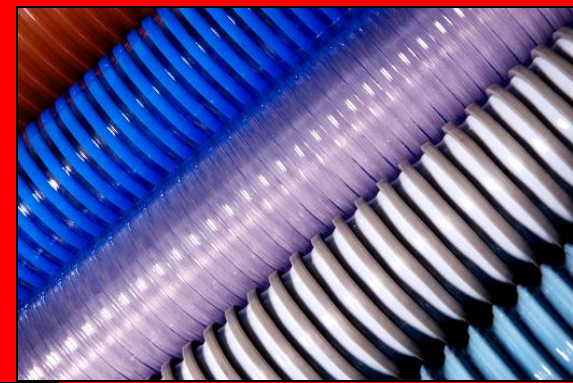




Balflex[®]

The Company
since 1963



The European Technology



Balflex®

Balflex® Group

since 1963



ISO 9001:2008



Balflex® – The European Technology



The Balflex® Group

Established since 1963, the **Balflex®** is an international group of companies dedicated to the design, production and distribution of all types of flexible hoses, fittings, connectors, adapters, quick couplings and v-belts with very high quality standard.



Almost half a century of know-how and expertise in this field, makes **Balflex®** the first choice for the industry, mining, agriculture, off-shore and construction. Today the **Balflex® Group** covers worldwide users, through our own companies, production facilities and net of distributors.

This reliable and constant approach has led to ISO 9001 certification, because for us quality and service comes first and always.



We will continue to develop new products with the same care and quality.

They cover a wide variety of low to very high pressure applications, in rubber, thermoplastic or P.T.F.E.



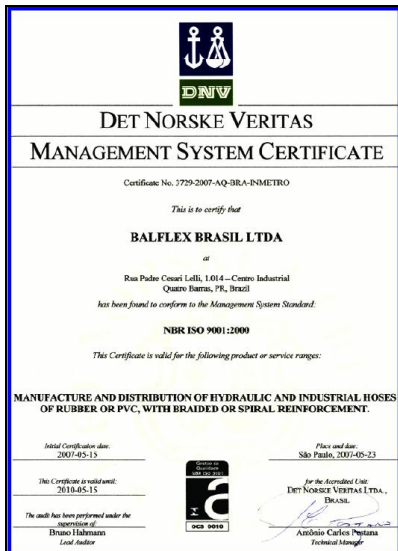
with textile and steel reinforcement, for petroleum and water base hydraulic fluids.

Balflex® industrial hoses are produced to **Balflex®** specifications and according to international



Quality

Quality is very important for us. We do have full equipped laboratories with long experience, expertised personnel and updated equipments.



Balflex® obtained various certifications for Management System and for Products.

Balflex® produces one of the most comprehensive range of hoses, fittings, flanges, adaptors and quick connectors.



All **Balflex®** hydraulic hoses are produced to **Balflex®** specifications and according to ISO 1436, SAE J517 and EN 853 to EN 857 standards.

standards, covering a wide variety of applications, with best chosen high quality grade polymers, with synthetic fibers or steel wire reinforcements, for a wide range of fluids and temperatures.



The range of **Balflex®** PVC Hoses, manufactured according to **Balflex®** specifications comprehends a wide variety of braid and spiral hoses (PVC rigid spiral wound and steel spiral wound to meet different applications).

Member of:



National
FLUID POWER
Association®
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U.S. Department of Labor



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FLUID CONNECTORS DIVISION

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HYDRAULIC FITTINGS AND ADAPTERS

HYDRAULIC CRIMPED FITTINGS

Crimped Fittings MULTICRIMP - one piece – P23. series **from 280 to 322**

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METRIC 45° SWEPT STANDPIPE (P23.6040.)	314
METRIC 90° SWEPT STANDPIPE (P23.6090.)	315
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METRIC FRENCH FEMALE (P23.5513.)	317
METRIC FRENCH 90° SWEPT FEMALE (P23.5593.)	318
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JIS JAPANESE 60° SEAT WHITWORTH FEMALE (P23.3712.)	319
METRIC BANJO (P23.6400.)	320
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Crimped Fittings MULTICRIMP - one piece – P24. and P.12 series **from 323 to 345**

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FLANGE STRAIGHT SUPERCAT (P24.7116.) (P12.7116.)	343
FLANGE - 45° SWEPT SUPERCAT (P24.7146.) (P12.7146.)	344
FLANGE - 90° SWEPT SUPERCAT (P24.7196.) (P12.7196.)	345

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NPT MALE (P25.0400.)	346
JIC 37° SWIVEL FEMALE (P25.4012.)	347

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HYDRAULIC FITTINGS AND ADAPTERS

HYDRAULIC ADAPTERS AND TUBE FITTINGS

SAE 37° Flared Pipe Fittings – SAE J514 – 35 series	from 348 to 386
GENERAL GUIDELINES	from 348 to 351
BULKHEAD LOCKNUT (35.017.)	352
TIGHTENING NUT (35.110.)	353
TUBE SLEEVES (35.120.) (35.121.)	354
PLUGS (35.140.) (35.141.)	355
CAP (35.142.)	356
HOLLOW HEX PLUG SAE-ORB (35.143.)	357
HOLLOW HEX PLUG JIC (35.144.)	358
STRAIGHT REDUCER FEMALE JIC x MALE JIC (35.145.)	from 359 to 360
SWIVEL CONNECTOR JIC FEMALE x NPT MALE (35.160.)	361
SWIVEL CONNECTOR JIC FEMALE x SAE-ORB MALE (35.180.)	362
MALE CONNECTOR JIC x NPT (35.200.)	from 363 to 364
MALE CONNECTOR SAE-ORB x NPT (35.205.)	365
MALE CONNECTOR JIC x SAE-ORB (35.220.)	366
MALE CONNECTOR JIC x BSPP (35.230.)	367
SWIVEL CONNECTOR JIC FEMALE x BSPP MALE (35.235.)	368
STRAIGHT BULKHEAD UNION JIC MALE (35.250.)	369
STRAIGHT JIC MALE UNION (35.260.)	370
NPT FEMALE x JIC MALE CONNECTOR (35.280.)	371
90° ELBOW JIC MALE x NPT FEMALE (35.290.)	372
NPT FEMALE RUN TEE (35.291.)	373
NPT FEMALE BRANCH TEE (35.292.)	374
90° ELBOW JIC MALE UNION (35.500.)	375
UNION TEE JIC MALE (35.505.)	376
90° ELBOW MALE CONNECTOR JIC x NPT (35.525.)	377
NPT RUN TEE (35.530.) / NPT BRANCH TEE (35.535.)	378
45° ELBOW JIC MALE CONNECTOR JIC x NPT (35.540.)	379
ORIENTABLE SAE-ORB RUN TEE (35.580.) / ORIENTABLE SAE-ORB BRANCH TEE (35.585.)	380
90° ELBOW JIC MALE x SAE-ORB (35.575.) / 45° ELBOW JIC MALE x SAE-ORB (35.590.)	381
90° ELBOW JIC MALE x BSPP MALE (35.600.)	382
ORIENTABLE BSPP RUN TEE (35.605.) / ORIENTABLE BSPP BRANCH TEE (35.610.)	383
BULKHEAD 90° ELBOW UNION (35.650.)	384
SWIVEL JIC 90° ELBOW (35.675.) / SWIVEL JIC 45° ELBOW (35.690.)	385
SWIVEL JIC RUN TEE (35.680.) / SWIVEL JIC BRANCH TEE (35.685.)	386
NPT CONNECTORS – 35 series	from 387 to 405
NPT FEMALE x NPT FEMALE CONNECTOR (35.281.)	387
NPT MALE x SWIVEL NPSM FEMALE CONNECTOR (35.282.)	388
90° ELBOW NPT MALE x SWIVEL NPSM FEMALE (35.283.)	389
NPT FEMALE x SWIVEL NPSM FEMALE (35.285.)	390
SAE-ORB MALE x NPSM SWIVEL FEMALE (35.286.)	391
45° ELBOW NPT MALE x NPSM SWIVEL FEMALE (35.287.)	392
90° ELBOW SAE-ORB MALE x NPSM SWIVEL FEMALE (35.289.)	393
NPT MALE 90° ELBOW (35.800.)	394
NPT MALE TEE (35.801.)	395

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HYDRAULIC FITTINGS AND ADAPTERS

HYDRAULIC ADAPTERS AND TUBE FITTINGS

NPT CONNECTORS – 35 series	from 387 to 405
90° ELBOW NPT FEMALE (35.802.) / 45° ELBOW NPT FEMALE (35.813.)	396
NPT FEMALE TEE (35.803.)	397
NPT FEMALE CROSS (35.804.)	398
NPT MALE UNION (35.805.)	399
NPT THREAD REDUCER BUSHING (35.806.)	400
FEMALE NPT to MALE NPT EXPANDER (35.807.)	401
45° ELBOW NPT FEMALE to MALE NPT (35.808.)	402
90° ELBOW NPT FEMALE to MALE NPT (35.809.)	403
FEMALE NPT to MALE NPT BRANCH TEE (35.810.) / FEMALE NPT to MALE NPT RUN TEE (35.811.)	404
NPT HEX MALE PLUG (35.812)	405

ORFS FITTINGS (ADAPTERS) – 36 series	from 406 to 432
GENERAL GUIDELINES	from 406 to 407
BULKHEAD LOCKNUT (36.017.)	408
TIGHTENING NUT (36.110.)	409
PLUGS (36.141.)	410
CAP (36.142.)	411
SWIVEL CONNECTOR ORFS MALE x JIC FEMALE (36.180.)	412
MALE CONNECTOR ORFS x NPT (36.200.)	413
ORFS x SAE-ORB STRAIGHT MALE CONNECTOR (36.220.)	414
STRAIGHT BULKHEAD UNION ORFS MALE (36.250.)	415
STRAIGHT ORFS MALE UNION (36.260.)	416
90° ELBOW ORFS MALE UNION (36.500.)	417
UNION TEE ORFS MALE (36.505.)	418
90° ELBOW MALE CONNECTOR ORFS x NPT (36.525.)	419
ORFS UNION CROSS (36.595.)	420
45° ELBOW MALE CONNECTOR ORFS x NPT (36.540.)	421
ORIENTABLE SAE-ORB RUN TEE (36.580.) / ORIENTABLE SAE-ORB BRANCH TEE (36.585.)	422
90° ELBOW ORFS MALE x SAE-ORB (36.575.) / 45° ELBOW ORFS MALE x SAE-ORB (36.590.)	423
BULKHEAD 90° ELBOW UNION (36.650.)	424
BULKHEAD 45° ELBOW UNION (36.510.)	425
BULKHEAD BRANCH TEE (36.515.)	426
BULKHEAD RUN TEE (36.520.)	427
90° SWIVEL CONNECTOR ORFS MALE x ORFS FEMALE (36.675.)	428
45° SWIVEL CONNECTOR ORFS MALE x ORFS FEMALE (36.690.)	429
ORFS MALE x JIC MALE CONNECTOR (36.280.)	430
SWIVEL CONNECTOR ORFS FEMALE x JIC MALE (36.281.)	431
SWIVEL CONNECTOR RUN TEE (36.680.) / SWIVEL CONNECTOR BRANCH TEE (36.685.)	432

HYDRAULIC ADAPTERS – 52 and 53 series	from 433 to 467
GENERAL GUIDELINES	433
BSP MALE UNION (52.100.)	434
BSP MALE (52.101.) x NPT MALE CONNECTOR (52.102.)	435
BSP MALE PLUG (52.400.)	436
BSP SWIVEL FEMALE PLUG (52.401.)	437
BSP INNER HEXAGON MALE PLUG (52.402.)	438

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HYDRAULIC FITTINGS AND ADAPTERS

HYDRAULIC ADAPTERS AND TUBE FITTINGS

HYDRAULIC ADAPTERS – 52 and 53 series	from 433 to 467
MALE BSPT UNION (52.103.)	439
MALE BSP x MALE BSPT CONNECTOR (52.1200.)	440
90° ELBOW MALE BSP UNION (53.100.)	441
90° ELBOW MALE BSP UNION REDUCTION (53.101.)	442
MALE x SWIVEL FEMALE BSP ADAPTER (52.500.)	443
SWIVEL FEMALE x FEMALE BSP ADAPTER (52.502.)	444
45° ELBOW MALE x SWIVEL FEMALE BSP (52.545.)	445
90° ELBOW MALE x SWIVEL FEMALE BSP (52.590.)	446
90° ELBOW FEMALE x SWIVEL FEMALE BSP (52.592.)	447
BSP MALE WELDING BOSSES (52.806.)	448
BSP FEMALE WELDING BOSSES (52.807.)	449
BSP HEXAGON MALE WELDING BOSSES (52.808.)	450
BSP THREADED BANJO EYE (52.800.)	451
BSPP FEMALE UNION (52.3000.)	452
BSPP MALE x BSP FIXED FEMALE ADAPTER (52.5000.)	453
BSPP MALE x BSP FIXED FEMALE ADAPTER (52.5001.)	454
BSP BULKHEAD CONNECTOR (52.5003.) / BSP LOCKNUT (52.5004.)	455
90° ELBOW BSP BULKHEAD CONNECTOR (52.5005.)	456
45° ELBOW ADJUSTABLE BSPP MALE (52.7008.)	457
90° ELBOW ADJUSTABLE BSPP MALE (52.7009.)	458
45° ELBOW ADJUSTABLE BSPP MALE x FEMALE (52.7011.)	459
90° ELBOW ADJUSTABLE BSPP MALE x FEMALE (52.7010.)	460
BSPP MALE ADJUSTABLE BRANCH TEE (52.7012.)	461
BSPP MALE ADJUSTABLE RUN TEE (52.7013.)	461
90° BSPP ELBOW MALE x FEMALE (53.110.)	462
BSPP MALE TEE (53.300.)	463
SWIVEL BSP RUN TEE (53.4011.)	464
SWIVEL BSP BRANCH TEE (53.4012.)	465
90° BSPP ELBOW FIXED FEMALE (53.120.)	466
FIXED FEMALE BSPP TEE (53.302.)	467
DIN 2353 COMPRESSION RING PIPE FITTINGS – 34 series	from 468 to 545
GENERAL GUIDELINES	from 468 to 471
24° COMPRESSION RING (34.101.)	472
TIGHTENING NUT (34.102.)	473
BSP MALE CONNECTOR (34.103.)	from 474 to 475
METRIC MALE CONNECTOR (34.104.)	from 476 to 477
BSP MALE CONNECTOR WITH SEAL (34.105.)	from 478 to 479
METRIC MALE CONNECTOR WITH SEAL (34.106.)	from 480 to 481
BSP FEMALE CONNECTOR (34.107.)	482
METRIC FEMALE CONNECTOR (34.108.)	483
NPTF MALE SWIVEL ADAPTOR (34.110.)	484
BSP MALE SWIVEL ADAPTOR (34.111.)	485
METRIC MALE SWIVEL ADAPTOR (34.112.)	486
BSP STUD MALE BANJO COUPLING WITH ALLOW SCREW (34.113.)	487
METRIC STUD MALE BANJO COUPLING WITH ALLOW SCREW (34.114.)	488
BSP STUD T-BANJO COUPLING WITH ALLOW SCREW (34.115.)	489

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HYDRAULIC ADAPTERS AND TUBE FITTINGS

DIN 2353 COMPRESSION RING PIPE FITTINGS – 34 series	from 468 to 545
METRIC STUD T-BANJO COUPLING WITH ALLOW SCREW (34.116.)	490
BSP TAPER MALE CONNECTOR (34.117.)	from 491 to 492
NPT TAPER MALE CONNECTOR (34.118.)	from 493 to 494
BSP TAPER ELBOW MALE CONNECTOR (34.120.)	from 495 to 496
NPTF TAPER ELBOW MALE CONNECTOR (34.121.)	from 497 to 498
BSP ELBOW MALE CONNECTOR (34.123.)	499
METRIC ELBOW MALE CONNECTOR (34.124.)	500
BSP TAPER MALE BRANCH TEE (34.125.)	501
NPTF TAPER MALE BRANCH TEE (34.126.)	502
BSP MALE BRANCH TEE (34.128.) / METRIC MALE BRANCH TEE (34.129.)	503
BSP TAPER MALE RUN TEE (34.130.)	504
BSP MALE RUN TEE (34.133.) / METRIC MALE RUN TEE (34.134.)	505
STRAIGHT UNION (34.135.)	506
STRAIGHT BULKHEAD UNION (34.136.)	507
ELBOW BULKHEAD UNION (34.137.)	508
ELBOW STANDPIPE UNION (34.138.)	509
TEE STANDPIPE UNION (34.139.)	510
CROSS STANDPIPE UNION (34.140.)	511
STRAIGHT REDUCING CONNECTOR (34.141.)	from 512 to 513
SWIVEL ELBOW ADAPTER (34.142.)	514
SWIVEL ELBOW ADAPTER WITH BSP MALE STUD (34.143.)	515
SWIVEL ELBOW ADAPTER WITH METRIC MALE STUD (34.144.)	516
REDUCING BRANCH TEE (34.145.)	from 517 to 518
SWIVEL RUN TEE STANDPIPE CONNECTOR (34.146.)	519
RUN TEE WITH BSP MALE STUD (34.147.)	520
RUN TEE WITH METRIC MALE STUD (34.148.)	521
SWIVEL BRANCH TEE STANDPIPE CONNECTOR (34.150.)	522
BRANCH TEE WITH BSP MALE STUD (34.151.)	523
BRANCH TEE WITH METRIC MALE STUD (34.152.)	524
SWIVEL REDUCING LIGHT STANDPIPE CONNECTOR (34.153.)	from 525 to 526
SWIVEL REDUCING HEAVY STANDPIPE CONNECTOR (34.154.)	from 527 to 528
WELDING BOSS (34.155.)	529
WELDING BULKHEAD CONNECTOR (34.156.)	530
WELDING NIPPLE (34.157.)	531
BLANKING PLUG (34.158.)	532
BSP GAUGE CONNECTOR (34.159.) / METRIC GAUGE CONNECTOR (34.160.)	533
MALE-FEMALE STUD ADAPTER (34.174.)	534
MALE-FEMALE STUD ADAPTER WITH RUBBER SEAL (34.175.)	535
BSP PLUG WITH HEXAGON SOCKET (34.176.) / METRIC PLUG WITH HEXAGON SOCKET (34.177.)	536
METRIC BULKHEAD NUT (34.179.)	537
BSP BANJO ALLOW SCREW (34.181.) / METRIC BANJO ALLOW SCREW (34.182.)	538
BSP MALE SWIVEL ADAPTER (34.605.)	539
METRIC MALE SWIVEL ADAPTER (34.606.)	540
METRIC SWIVEL UNION (34.635.)	541
SWIVEL ELBOW ADAPTER (34.642.)	542

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HYDRAULIC FITTINGS AND ADAPTERS

HYDRAULIC ADAPTERS AND TUBE FITTINGS

DIN 2391 C St 37.4 NBK Tube (34.205.)

from 543 to 545

HYDRAULIC AND INDUSTRIAL QUICK COUPLINGS

HYDRAULIC QUICK COUPLINGS AND BALL VALVES

Hydraulic Quick Couplings – 40 series

from 546 to 565

GENERAL GUIDELINES	from 546 to 548
QUICK-ACTION COUPLING ISO TYPE A (poppet valve) (40.B001. and 40.B002.)	549
QUICK-ACTION COUPLING ISO TYPE B (poppet valve) (40.B001. and 40.B002.)	550
QUICK-ACTION COUPLING DIN TYPE (poppet valve) (40.D001. and 40.D002.)	551
PUSH-PULL TRACTOR QUICK-ACTION COUPLING ISO TYPE A (40.A001.08 and 40.P002.08)	552
PUSH-PULL TRACTOR QUICK-ACTION COUPLING (40.A131., 40.P132., 40.A231. and 40.p232.)	553
AGRI QUICK-ACTION COUPLING (ball valve) (40.A013.08 and 40.A003.08)	554
QUICK COUPLING DUST CUP (40.0002.08 and 40.0001.08)	555
QUICK-ACTION TRAILER BRAKE IFR COUPLING (40.E005. and 40.E006.)	556
QUICK-ACTION HIGH FLOW VALVE (poppet valve) (40.T001. and 40.T002.)	557
NO RETURN VALVE (40.N001.)	558
HPA SCREW VALVE (40.V013. and 40.V114.)	559
SCREW VALVES (40.CA01. and 40.CA02.)	560
FLAT FACE QUICK-ACTION COUPLING ISO 16028 (40.F005. and 40.F006.)	561
SCREW VALVES (40.S001. and 40.S002.)	562
2-WAY DIRECTIONAL BALL VALVE (BKH) (40.200B.)	563
2-WAY DIRECTIONAL BALL VALVE (BKH) METRIC MALE (40.202L. and 40.202S.)	564
3-WAY DIRECTIONAL BALL VALVE (40.3L0C. and 40.3T0C.)	565

INDUSTRIAL QUICK COUPLINGS AND COMBINED NIPPLES

Industrial Cam Lock Quick Couplings - 44 series

from 566 to 573

GENERAL GUIDELINES	566
TYPE A CAM LOCK (44.A010.) / TYPE B CAM LOCK (44.B010.) / TYPE C CAM LOCK (44.C010.)	567
TYPE D CAM LOCK (44.D010.) / TYPE E CAM LOCK (44.E010.) / TYPE F CAM LOCK (44.F010.)	568
TYPE DC CAM LOCK (44.DC10.) / TYPE DP CAM LOCK (44.DP10.) / HANDLES (44.HP10.)	569

Combined Nipples - 44 series

570

KC MALE NIPPLE (44.KC10.) / TYPE B CAM LOCK (44.B010.) / TYPE C CAM LOCK (44.C010.)	570
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Air Lock Fittings - 44 series

from 571 to 573

AIR LOCK HOSE END (44.HE10.) / AIR LOCK FEMALE (44.FE10.) / AIR LOCK MALE (44.ME10.) USA	571
AIR LOCK HOSE END (44.HE10.) / AIR LOCK FEMALE (44.FE10.) / AIR LOCK MALE (44.ME10.) GERMAN	572
DOUBLE BOLT CLAMP (85.DB01.) / WORM DRIVE CLAMP (85.0008. and 85.0013)	573

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SAE FLANGES

SAE SPLIT FLANGES, WITH THREAD, FLAT, WELDING AND OTHERS

SAE Split Flanges - 88 series	from 574 to 579
GENERAL GUIDELINES	<i>from 574 to 576</i>
3000PSI SPLIT FLANGE CLAMP HALF (88.5300.) / 6000PSI SPLIT FLANGE CLAMP HALF (88.5600.)	577
3000PSI SPLIT FLANGE CLAMP UNCUT (88.5302.) / 6000PSI SPLIT FLANGE CLAMP UNCUT (88.5602.)	578
3000PSI SPLIT FLANGE CLAMP (88.3110.) / 6000PSI SPLIT FLANGE CLAMP (88.6110.)	579
SAE Flanges Weld-On, with Threaded Connections and Oval - 88 series	from 580 to 589
3000PSI FLANGED HEAD FOR WELD-ON BSP PIPE (88.3200.)	580
6000PSI FLANGED HEAD FOR WELD-ON BSP PIPE (88.6200.)	580
3000PSI FLANGED HEAD WITH BSPT THREAD (88.3230.)	581
6000PSI FLANGED HEAD WITH BSPT THREAD (88.6230.)	581
3000PSI FLANGED HEAD WITH BSP THREAD (88.3300.)	582
6000PSI FLANGED HEAD WITH BSP THREAD (88.6300.)	582
3000PSI FLANGED HEAD WITH NPT THREAD (88.3310.)	583
6000PSI FLANGED HEAD WITH NPT THREAD (88.6310.)	583
3000PSI FLANGED HEAD WITH UNF THREAD (88.3320.)	584
6000PSI FLANGED HEAD WITH UNF THREAD (88.6320.)	584
3000PSI FLANGED HEAD WITH JIC THREAD (88.3330.)	585
6000PSI FLANGED HEAD WITH JIC THREAD (88.6330.)	585
3000PSI FLANGED WELD-IN FOR BSP PIPE (88.3400.)	586
6000PSI FLANGED WELD-IN FOR BSP PIPE (88.6400.)	586
3000PSI FLANGED WELD-ON FOR BSP PIPE (88.3500.)	587
6000PSI FLANGED WELD-ON FOR BSP PIPE (88.6500.)	587
3000PSI DISTANCE PIECE WITH LATERAL HOLE (88.3601.)	588
6000PSI DISTANCE PIECE WITH LATERAL HOLE (88.6601.)	588
6000PSI OVAL (2 BOLTS) FLANGE (88.7710.)	589
SAE Flat Flanges - 88 series	590
FLAT FLANGE FOR HYDRAULIC PUMPS (88.7720.)	590
SAE Other Flange - 88 series	from 591 to 593
METRIC FLANGE (88.7740.)	591
3000PSI CETOP SQUARE FLANGE CLAMP (88.9300.)	592
6000PSI CETOP SQUARE FLANGE CLAMP (88.9300.)	593

DIN 3015 PIPE CLAMPS

DIN 3015 PIPE CLAMPS - 84 series	from 594 to 600
GENERAL GUIDELINES	<i>from 594 to 596</i>
LIGHT DUTY HYDRAULIC PIPE CLAMPS (84.100.)	597
HEAVY DUTY HYDRAULIC PIPE CLAMPS (84.200.)	<i>from 598 to 599</i>
TWIN LINE HYDRAULIC PIPE CLAMPS (84.300.)	600

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MISCELLANEOUS

MICROTEST AND BONDED SEALS

Microtest Hose and Couplings	from 601 to 610
GENERAL GUIDELINES	601
MICROTEST HOSES (05.HH01.) and (05.RH01.)	602
MICROTEST FERRULES AND FITTINGS	from 603 to 610
Bonded Seals - 88 series	from 611 to 614
GENERAL GUIDELINES	from 611 to 612
BSP BONDED SEALS (88.2003.)	613
METRIC BONDED SEALS (88.2004.)	614

RUBBER AND TRANSMISSION PRODUCTS DIVISION

RUBBER SHEETS

INDUSTRIAL AND FOOD RUBBER SHEETS

NR/SBR Rubber Sheet – 65.1 series	from 615 to 622
GENERAL GUIDELINES	from 615 to 616
NR/SBR RUBBER SHEET (65.1011/12.) and (65.1111/12.)	617
NR/SBR RUBBER SHEET (65.1211/12.) and (65.1311/12.)	618
NR/SBR RUBBER SHEET (65.1021/22.) and (65.1121/22.)	619
NR/SBR RUBBER SHEET (65.1221/22.) and (65.1321/22.)	620
NR/SBR RUBBER SHEET (65.1041/42.) and (65.1141/42.)	621
NR/SBR RUBBER SHEET (65.1241/42.) and (65.1341/42.)	622
NITRILE (NBR) Rubber Sheet – 65.2 series	from 623 to 624
NITRILE (NBR) RUBBER SHEET (65.2021/2121/2221.)	623
NITRILE (NBR) RUBBER SHEET (65.2041/2141/2241.)	624
EPDM Rubber Sheet – 65.3 series	from 625 to 626
EPDM RUBBER SHEET (65.3021/3121/3221.)	625
EPDM RUBBER SHEET (65.3041/3141/3241.)	626
NEOPRENE Rubber Sheet – 65.4 series	from 627 to 628
NEOPRENE RUBBER SHEET (65.4021/4121/4221.)	627
NEOPRENE RUBBER SHEET (65.4041/4141/4241.)	628
FOOD GRADE Rubber Sheet – 65.5 / 65.6 series	from 629 to 632
FOOD GRADE RUBBER SHEET (WHITE COLOR –SBR QUALITY) (65.5021/5121/5221.)	629
FOOD GRADE RUBBER SHEET (WHITE COLOR –SBR QUALITY) (65.5041/5141/5241.)	630
FOOD GRADE RUBBER SHEET (WHITE COLOR –NBR QUALITY) (65.6021/6121/6221.)	631
FOOD GRADE RUBBER SHEET (WHITE COLOR –NBR QUALITY) (65.6041/6141/6241.)	632

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POWER TRANSMISSION V-BELTS

INDUSTRIAL AND AUTOMOTIVE V-BELTS

Classic V-Belts (Z, A, B, C, D and E) – series 60.A/60.B/60.C/60.D/60.E **from 633 to 652**

GENERAL GUIDELINES CLASSIC V-BELTS	from 633 to 637
CLASSIC V-BELT TYPE Z (60.Z)	from 638 to 639
CLASSIC V-BELT TYPE A (60.A)	from 640 to 642
CLASSIC V-BELT TYPE B (60.B)	from 643 to 645
CLASSIC V-BELT TYPE C (60.C)	from 646 to 648
CLASSIC V-BELT TYPE D (60.D)	from 649 to 650
CLASSIC V-BELT TYPE D (60.D)	from 651 to 652

Evolution V-Belts (SPZ, SPA, SPB and SPC) – series 60.SP **from 653 to 664**

GENERAL GUIDELINES EVOLUTION V-BELTS	from 653 to 656
EVOLUTION V-BELT TYPE SPZ (60.SPZ)	from 657 to 658
EVOLUTION V-BELT TYPE SPA (60.SPA)	from 659 to 660
EVOLUTION V-BELT TYPE SPB (60.SPB)	from 661 to 662
EVOLUTION V-BELT TYPE SPC (60.SPC)	from 663 to 664

Extreme V-Belts (3V, 5V and 8V) – series 60.-V **from 665 to 674**

GENERAL GUIDELINES EXTREME V-BELTS	from 665 to 668
EXTREME V-BELT TYPE 3V (60.3V)	from 669 to 670
EXTREME V-BELT TYPE 5V (60.5V)	from 671 to 672
EXTREME V-BELT TYPE 8V (60.8V)	from 673 to 674

Platinum V-Belts (AX, BX and CX) – series 60.-X **from 675 to 681**

PLATINIUM V-BELT TYPE AX (60.AX)	from 675 to 677
PLATINIUM V-BELT TYPE BX (60.BX)	from 678 to 679
PLATINIUM V-BELT TYPE CX (60.CX)	from 680 to 681

Titanium V-Belts (SPZX, SPAX and SPBX) – series 60.SP-X **from 682 to 688**

TITANIUM V-BELT TYPE SPZX (60.SPZX)	from 682 to 684
TITANIUM V-BELT TYPE SPAX (60.SPAX)	from 685 to 686
TITANIUM V-BELT TYPE SPBX (60.SPBX)	from 687 to 688

Autoplus V-Belts (10AVX and 13AVX) – series 60.10AVX and 60.13A **from 689 to 691**

AUTOPLUS V-BELT TYPE 10AVX (60.10AVX)	from 689 to 690
AUTOPLUS V-BELT TYPE 13AVX (60.13AVX)	691

WARRANTY

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Balflex® – The European Technology

Balflex® Hydraulic Hoses



Balflex® Hydraulic Hoses

Balflex® hydraulic hoses are produced to Balflex® specifications and according to ISO 1436, ISO 3869, ISO 3949, SAE J517 and EN 853 to EN 857 standards. They cover a wide variety of low to very high pressure applications, in rubber, thermoplastic or P.T.F.E, with textile and steel reinforcement, for petroleum and water base hydraulic fluids.



Balflex® optimised the production of these hoses and their compatibility with a wide range of connectors, in order to assure the highest performance and the most extensive range of applications.

The Balflex® hydraulic hose program includes:

- > Textile Braid Hydraulic Hoses
- > Wire Braid Hydraulic Hoses
- > 4 and 6 Spiral Hydraulic Hoses
- > Thermoplastic Hoses

General Guidelines

Balflex® hydraulic hoses are designed with a safety factor of 4: 1 relating minimum burst pressure and recommended working pressure (except 2-MAX hose which is 2.3: 1). Working pressure and nominal diameter are always branded on the hose, except on hoses with external steel braid.

Hydraulic hoses are designed for petroleum base hydraulic fluids applications with a temperature range of – 40°C (- 40°F) to + 100°C (+ 212°F). Special rubber compounds and other lining materials allow to exceed these limits. Hydraulic hoses may also be used for water base hydraulic fluids if the working temperature does not exceed + 70°C (+ 158°F). With the presence of air in the fluid working temperature should be reduced to + 60°C (+ 140°F).

Selection, assembly and installation of hydraulic hoses should follow Balflex® recommendations and SAE J1273 and DIN 20066 standards. **Hydraulic hose assemblies should always be inspected and hydraulically tested before installation.** All hydraulics systems should be tested against leakage and malfunction in an appropriate area after any intervention.

Installations that do not comply with an adequate geometry of the hose assembly may reduce significantly the lifetime of the hose. Likewise, the use of wrongly dimensioned hoses or application in a system where working characteristics exceed the hose specifications may shorten drastically the hose lifetime.

The failure of an hydraulic hose assembly may be dangerous and expose people and property to irreversible damage. Among other occurrences that must be prevented are the high velocity and high temperature projections of hydraulic fluid, the projection of couplings and it's parts, the whipping of unrestrained hose, spillage of combustion of the fluid, electrical shocks through contact with electrical sources, immovability, fall or sudden movement of masses controlled by the hydraulic system.

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Hydraulic Hose – General Safety Guidelines

Maintenance technicians, fabricators, end-users and installers need to be aware of the potential safety hazards when handling or even when in proximity to hydraulic hose assemblies.

The following conditions can lead to personal injury and property damage:

- 1) Always use hose in well-ventilated areas; some fluids may permeate the hose cover and create fume and/or fire hazards.*
- 2) Hydraulic systems typically operate at very high pressures. Any leak of pressurized fluid can penetrate the skin, causing severe tissue damage and burns. One good approach is to use guards or shields around the hose assembly to reduce the risk of injury.*
- 3) Whipping – under high operating pressures, the hose and/or fitting can come loose or blow, causing the end of the hose to whip with great force. Again, the hose assembly should be shielded, guarded and, whenever possible, secured to avoid injury or damage from whipping.*
- 4) Hydraulic fluids are flammable and can explode with a source of ignition. To avoid possible injury or property damage, care should be taken to eliminate ignition sources and to properly route the hose assembly to minimize the chance of combustion.*
- 5) Most hose is conductive. Some applications require use of non-conductive hose to avoid electrocution.*
- 6) When hydraulic hose assemblies fail, the equipment it powers will fail, too, sometimes abruptly and without warning. Never work directly beneath hydraulically powered booms, shovels or other large, heavy pieces of equipment.*
- 7) When air or gaseous materials are being conveyed, the correct hose should be used. A pin-perforated cover may be required. Perforations in the cover will prevent permeated gases from accumulating and blistering the cover. Check with your supplier for the correct hose specification.*
- 8) Extreme care should be used when operating hand-held hydraulic tools where the operator is in proximity to the hydraulic hose assembly. The following steps should be taken to avoid injury:*
 - a. Use strain relievers on each end of the hose to prevent kinking, excessive bending or stress on the hose at the coupling.*
 - b. Never use the hose assembly to pull or carry the tool.*
 - c. Exposed hose near the operator should be guarded in case hose assembly fails to prevent injury from high pressure or high temperature fluid.*
 - d. Operators should be protected with the required safety clothing for the job and fluids being used.*
 - e. The hose should be protected against any external damage.*
- 9) Hose assemblies should be properly routed to avoid strain and the possibility of the hose bursting. Proper routing will also protect the assembly against flex fatigue, excessive heat or abrasion.*
- 10) When selecting a hose style and assembly, check for hose compliance to all relevant government, industry, and safety standards or regulations.*

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HIGH-PRESSURE INJECTION HAZARDS

High-pressure injection injuries (also known as grease gun injuries), are caused by the accidental injection of a foreign material, such as grease, oil, or solvent under pressure, through the skin and into the underlying tissue. This is analogous to medical techniques used to administer immunization shots without a needle.

A grease gun injury can cause serious delayed soft tissue damage and should be treated as a surgical emergency. Any person sustaining an injury of this sort should seek immediate medical attention, regardless of the appearance of the wound or its size.

Accidents involving injection injuries can occur when using any type of pressurized equipment. Two common cases in which petroleum products may be involved are accidents with pressurized grease guns or with hydraulic systems.

Pressurized grease guns are commonly used in service stations, garages and industrial plants. Typically, most service stations have grease guns operating at 500-1.000 kPa (90-150 psi) air pressure. Most modern industrial hydraulic systems operate in the range of 13 to 35 MPa (2,000 to 5,000 psi). A stream of oil ejected from a nozzle or leak under pressure of this magnitude has a velocity comparable to the muzzle velocity of a rifle bullet.

The most common sites of injury are the fingers or hand. However, any part of the body can be involved. With grease guns, especially, accidents usually occur when the injured person wipes the tip of the nozzle with his finger or the nozzle slips off the grease fitting while being held in place.

Grease may also be injected into the body from a leak in the grease line. In **hydraulic system accidents**, a leak in a hydraulic line can emit a high-velocity stream of oil and cause injury if it strikes a person. Workers are commonly injured when they try to stop the leak by covering it with their hand or finger.

Chemical irritation is not a major problem with most petroleum products because hydraulic oils and greases are generally non-irritating and low toxicity to skin. However, the resulting bacterial infection can be a problem because of the damaged tissue and circulation in the wound, even though it has been surgically opened and the foreign material removed. One of the dangers from this type of injury is that it is not recognized quickly by the injured person as being serious. Often the initial wound may be very small and essentially painless. The injured person may even continue working. However, in every case in which a person receives this type of injury, he or she should stop work and get immediate medical treatment.

The following are some basic rules that must be observed:

DON'T

- ✗ Play around with or use a grease gun for practical jokes;
- ✗ Touch the end of a grease gun;
- ✗ Use any part of the body to test a grease gun for grease flow;
- ✗ Use any part of the body to stop a leak in a hydraulic line.

DO

- ✓ Routinely check all hoses for wear and possible weak spots;
- ✓ Handle a grease gun with respect for its power;
- ✓ Take special care when starting up a new hydraulic system to be sure that every part of the system can withstand the operating pressure.

IN CASE OF A GREASE GUN ACCIDENT, SEEK IMMEDIATE MEDICAL TREATMENT. Identify the grease or oil involved in the accident. Contact the supplier or the manufacturer to obtain the product's Material Safety Data Sheet (MSDS) about possible toxicity if a physician or hospital needs more information.

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Balflex® Hydraulic Hoses

HYDRAULIC HOSE AND ELECTROCUTION

Although it is a mercifully infrequent occurrence, workers have been burned or electrocuted when using metal-reinforced hoses on aerial bucket trucks near energized power lines. Hydraulic hose, fluid and power lines are a deadly combination. Electrical contact between two power line phases through a metal-reinforced hydraulic hose can generate sufficient heat to rupture the hose and cause a fire. In addition, an electrocution hazard can be created if a metal-reinforced hose on the boom of a truck contacts an energized power line and allows current to flow through the truck chassis. Either scenario can quickly result in serious injury or death.

OSHA standards require that all hydraulic tools used on or near energized power lines or equipment be supplied with non-conducting hoses with sufficient strength for normal operating pressures. NIOSH recommends that the following precautions be taken to control the hazards associated with hydraulic hoses used on aerial bucket trucks:

- Employers should not install metal-reinforced hydraulic hoses on any part of the boom, aerial bucket or hydraulic attachments of aerial bucket trucks used near energized power lines;
- Employers should remove any metal-reinforced hoses currently installed on any part of the boom, aerial bucket or hydraulic attachments of aerial bucket trucks used to work near energized power lines. Before work begins, employers should require a competent person to conduct an initial and daily job site survey and inspect all equipment to identify hazards and implement appropriate controls;
- Employers should stress the importance of adherence to established safe work procedures. These include covering energized power lines in the immediate work area with insulating hoses or blankets, or de-energizing and grounding the lines before work begins. Workers should test de-energized power lines to verify that they have actually been de-energized;
- Employers should provide all workers with task-specific training that shows how each step controls the identified hazard;
- Employers should install all hydraulic hoses used in aerial buckets so that the flow of hydraulic fluid can be stopped immediately by the worker in the bucket. This objective can be achieved by incorporating a control valve into the hydraulic system in the aerial bucket. Manufacturers should continue research into the development of hydraulic fluids that are non-flammable and non-conducting.
- Employers should encourage equipment and tool manufacturers to design an independent coupling system to prevent the use of unsuitable hydraulic hoses on booms, aerial buckets or aerial bucket attachments. Labelling or colour coding hoses may also help workers who service this equipment.

These Guidelines reflect common practice procedures to be held for a Safe use of Hydraulic Fluid Power.

In no event shall Balflex® have any liability whatsoever to any person for any special, punitive, incidental or consequential damages been caused by mishandling of Hydraulic Fluid Power systems.

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Balflex® Hydraulic Hoses



Cross-reference for Hydraulic Hoses

Showing **Balflex®** hose type with corresponding competitor's hose type

Balflex® Hydraulic Hose 10 Serie type	R6 1TE 1216	R3 3TE 1220	R1AT 1SN 1002	R2AT 2SN 1004	R17 1017	R5 1007	R12 1012	4SP 1008	4SH 1009	R13 1014	R15 1016
Aeroquip		2583	GH663	GH793	FC639	1503	GH493		GH506		FC606
Eaton							FC659		FC254		
Dayco	A6	D1	MX	BXX	D6	Y9	M7/CZ	N3		NH/N6	N2
Gates	C6	C3	C1T	C2AT	M3K	C5C	C12			C13	G6K
GoodYear	9060		9015	9025	9291	9050	9120			9130	
Imperial			E7	J4	HR1C	Y9A	M6			N5	
Eastman					HFS		M7			N6	
Parker	7517	601	422 481	381	451TC	201 261	77C	701	731	78C 792	791
Weatherhead	H009	H017	H104	H425	H300	H066	H430			H470	

Balflex® Hydraulic Hose 10 Serie type	R4 1219	R7 1030	R7 NON CONDUCTIVE 1030L	R8 1032	PREMIUM 2SC – R16 1019	2-MAX JACK 1029	R14 BALFLON 2000 / 3
Aeroquip	FC318						
Eaton	FC619	FC372	FC373	FC374	FC310	FC579	2807
Dayco	C	S7	S7E	S8			TS
Gates	GMV	C7S	C7SNC	C8S	M2T	J2AT	C14
GoodYear	9040	9070	9075	9080			
Imperial		HR7	HR70				
Eastman		D5A	D4A	HR8			T1
Parker	881	540N	510A / 518A	520N	431	JK	919
Weatherhead	H039	H436	H435	H336			H243

The information provided by this Cross-reference chart is intended as a reference guide only. These hoses are similar but not exactly equal in all technical data and performances. Refer to hydraulic hose specifications to assure that the suggested hydraulic hose will attend the required application.

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Balflex® Hydraulic Hoses

Table 1a: Nominal working pressure at 20°C (+ 68°F) of Balflex® hydraulic hoses

MPa / PSI

		3/16" - 3	1/4" - 4	5/16" - 5	3/8" - 6	1/2" - 8	5/8" - 10	3/4" - 12	1" - 16	1.1/4" - 20	1.1/2" - 24	2" - 32
Balflex®	Standards											
2TE	ISO 4079 - 2 EN 854 2TE	<u>8.0</u> 1160	<u>7.5</u> 1087	<u>6.8</u> 985	<u>6.3</u> 913	<u>5.8</u> 840	<u>5.0</u> 725	<u>4.5</u> 650	<u>4.0</u> 580			
R3 / 3TE	ISO 4079 - 3 EN 854 3TE SAE 100R3	<u>16.0</u> 2320	<u>14.5</u> 2100	<u>13.0</u> 1885	<u>11.0</u> 1595	<u>9.3</u> 1350	<u>8.0</u> 1160	<u>7.0</u> 1015	<u>5.5</u> 797	<u>4.5</u> 650	<u>4.0</u> 580	(b) 480
R1T / 1SN	ISO 1436 EN 853 type 1 SAE 100R1	<u>25.0</u> 3625	<u>22.5</u> 3260	<u>21.5</u> 3115	<u>18.0</u> 2610	<u>16.0</u> 2320	<u>13.0</u> 1885	<u>10.5</u> 1520	<u>8.8</u> 1275	<u>6.3</u> 910	<u>5.0</u> 725	<u>4.0</u> 580
R2T / 2SN	ISO 1436 EN 853 type 2 SAE 100R2	<u>41.5</u> 6015	<u>40.0</u> 5800	<u>35.0</u> 5075	<u>33.0</u> 4785	<u>27.5</u> 3985	<u>25.0</u> 3625	<u>21.5</u> 3120	<u>16.5</u> 2390	<u>12.5</u> 1810	<u>9.0</u> 1300	<u>8.0</u> 1160
BALPAC PREMIUM 2SC-R16	ISO 11237 EN 857 - 2SC SAE 100R16		<u>40.0</u> 5800	<u>35.0</u> 5075	<u>33.0</u> 4785	<u>27.6</u> 4000	<u>25.0</u> 3625	<u>21.5</u> 3118	<u>16.5</u> 2393			
BALPAC 3000 R17	ISO 11237 EN 857 SAE 100R17		<u>22.5</u> 3260	<u>21.0</u> 3000	<u>21.0</u> 3000	<u>21.0</u> 3000	<u>25.0</u> 3625	<u>21.5</u> 3120	<u>21.0</u> 3000			
R12	ISO 3862 EN 856 R12 SAE 100R12				<u>27.6</u> 4000	<u>27.6</u> 4000	<u>27.6</u> 4000	<u>27.6</u> 4000	<u>27.6</u> 4000	<u>20.7</u> 3000	<u>17.2</u> 2500	<u>17.2</u> 2500
4SP	ISO 3862 EN 856 4SP		<u>50.0</u> 7250		<u>44.5</u> 6453	<u>41.5</u> 6018	<u>35.0</u> 5075	<u>35.0</u> 5075	<u>28.0</u> 4060	<u>21.0</u> 3045	<u>18.5</u> 2683	<u>16.5</u> 2393
4SH	ISO 3862 EN 856 4SH							<u>42.0</u> 6090	<u>38.0</u> 5510	<u>32.5</u> 4713	<u>29.0</u> 4205	<u>25.0</u> 3625
R13	ISO 3862 EN 856 R13 SAE 100R13							<u>42.0</u> 6090	<u>38.0</u> 5510	<u>34.5</u> 5000	<u>34.5</u> 5000	<u>34.5</u> 5000
R15	ISO 3862 SAE 100R15				<u>41.4</u> 6000	<u>41.4</u> 6000		<u>41.4</u> 6000	<u>41.4</u> 6000	<u>41.4</u> 6000	<u>41.4</u> 6000	
2-MAX JACK	a)		<u>70.0</u> 10000		<u>70.0</u> 10000	<u>55.2</u> 8000						
3-MAX	a)				<u>50.0</u> 7200	<u>47.0</u> 6800						

a) according to Balflex® specifications

b) not included in the standards

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Balflex® – The European Technology

Balflex® Hydraulic Hoses



Table 1b: Nominal working pressure at 20°C (+ 68°F) of Balflex® hydraulic hoses **MPa / PSI**

		3/16" - 4	1/4" - 5	5/16" - 6	13/32" - 8	1/2" - 10	5/8" - 12	7/8" - 16	1.1/8" - 20	1.3/8" - 24	1.13/16" - 32	2.3/8" - 40	3" - 48
Balflex®	Standards												
R5	SAE 100R5 SAE J1402 All	<u>20.7</u> 3000	<u>20.7</u> 3000	<u>15.5</u> 2250	<u>13.8</u> 2000	<u>12.1</u> 1755	<u>10.3</u> 1495	<u>5.5</u> 800	<u>4.3</u> 625	<u>3.4</u> 500	<u>2.4</u> 350	<u>2.4</u> 350	<u>1.4</u> 200

Table 1c: Nominal working pressure at 20°C (+ 68°F) of Balflex® hydraulic hoses **MPa / PSI**

		1/8" - 2	3/16" - 3	1/4" - 4	5/16" - 5	3/8" - 6	1/2" - 8	5/8" - 10	3/4" - 12	1" - 16
Balflex®	Standards									
R7	ISO 3949 EN 855 R7 SAE 100R7	(b) <u>28.0</u> 4060	<u>21.0</u> 3045	<u>19.0</u> 2755	<u>19.0</u> 2755	<u>16.0</u> 2320	<u>14.0</u> 2030	<u>10.5</u> 1523	<u>9.0</u> 1305	<u>7.0</u> 1015
R7 NON CONDUCTIVE	ISO 3949 EN 855 R7 SAE 100R7	(b) <u>28.0</u> 4060	<u>21.0</u> 3045	<u>19.0</u> 2755	<u>19.0</u> 2755	<u>16.0</u> 2320	<u>14.0</u> 2030	<u>10.5</u> 1523	<u>9.0</u> 1305	<u>7.0</u> 1015
R7 STEELFLEX	a)	<u>35.0</u> 5075	<u>30.0</u> 4350	<u>27.5</u> 3988	<u>24.0</u> 3480	<u>22.0</u> 3190	<u>17.5</u> 2538	<u>14.0</u> 2030	<u>11.5</u> 1668	<u>10.0</u> 1450
R8 (10.1032.)	ISO 3949 EN 855 R8 SAE 100R8		<u>35.0</u> 5075	<u>35.0</u> 5075	<u>29.0</u> 4205	<u>28.0</u> 4060	<u>24.5</u> 3553	<u>19.0</u> 2755	<u>15.5</u> 2250	<u>14.0</u> 2030
R8 (10.1033.)	ISO 3949 EN 855 R8 SAE 100R8		<u>35.0</u> 5075	<u>35.0</u> 5075	<u>30.0</u> 4350	<u>28.0</u> 4060	<u>24.5</u> 3553	<u>20.0</u> 2900	<u>16.5</u> 2393	<u>14.0</u> 2030
ULTRAFLEX R9	a)					<u>38.0</u> 5510	<u>34.5</u> 5000			

a) according to Balflex® specifications
b) not included in the standards

Table 1d: Nominal working pressure at 20°C (+ 68°F) of Balflex® hydraulic hoses **MPa / PSI**

		3/16" - 3	1/4" - 4	5/16" - 5	3/8" - 6	1/2" - 8	5/8" - 10	3/4" - 12	7/8" - 14	1" - 16
Balflex®	Standards									
R6 / 1TE	ISO 4079 - 1 EN 854 1TE SAE 100R6	<u>3.4</u> 500	<u>2.8</u> 400	<u>2.8</u> 400	<u>2.8</u> 400	<u>2.8</u> 400	<u>2.4</u> 350	<u>2.1</u> 300	<u>2.2</u> 310	<u>1.7</u> 250

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Balflex[®] Hydraulic Hoses

Table 2: Pressure Conversion

bar	0,00134	0,0025	0,0339	0,069	0,098	1,00	1,01	10,0	100
PSI	0,0194	0,036	0,492	1,001	1,421	14,504	14,69	145,04	1450,38
MPa	-	-	0,003	0,007	0,0098	0,10	0,101	1,00	10,00
1 atm	0,001	0,0025	0,0335	0,068	0,097	0,987	1,00	9,87	98,69
m H₂O (20°C)	0,014	0,026	0,346	0,704	1,000	10,207	10,34	102,074	1020,736
in Hg (20°C)	0,0396	0,074	1,001	2,04	2,89	29,53	29,91	295,30	2953
in H₂O (20°C)	0,538	1,005	13,623	27,73	39,38	401,86	407,09	4018,65	40186,47
mm Hg (20°C)	1,005	1,88	25,43	51,75	73,51	750,06	759,81	7500,62	75006,17

Example: 1 MPa = 14,51 PSI ; 1Mpa = 10,0bar

Table 3: Conversion Factors

Unit	Factor	Converted Unit
1 m (meter)	1000	mm (millimeter)
1 m (meter)	1,09362	yard
1 m (meter)	3,28084	foot
1 mm (millimeter)	0,001	m (meter)
1 mm (millimeter)	0,03937	Inch
1 inch	25,4	mm (millimeter)
1 inch	0,0254	m (meter)
1 foot	0,3048	m (meter)
1 yard	0,9144	m (meter)
F°	C° x 1,8 + 32	F° (Fahrenheit)
C°	(F° - 32): 1,8	C° (Celsius)

Example: 1 m = 3,28084 feet ; 1 inch = 25,4mm
 Example: + 100°C = + 212°F

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Selection of hydraulic hoses

Working pressure:

When selecting a hose it should be considered that its working pressure should be higher than the maximum operating pressure of the system. For determination of the maximum operating pressure the system engineer should always consider possible pressure peaks during start up and inversion. Pressure peaks may be so short that they are only measurable with electronic devices. In suction applications, the capacity of the hose to withstand negative pressure is a decisive factor. Working pressures are given for working temperature of + 20°C (+ 68°F). For increased temperatures a de-rating factor should be considered. The rated working pressures of Balflex[®] hydraulic hoses are summarized in table 1.

Note: Only an accurate knowledge of the pressure history of the service cycles of the equipment should lead to a sub-dimensioning of the hose by the engineer, bearing in mind the recommendations of SAE J 1927 standards.

Temperature:

Excessive temperature is one of the main limitations of rubber and induces accelerated aging. Fluid temperature, either in motion or with the equipment stopped, should not exceed the maximum working temperature recommended for each hose. Likewise, surrounding temperature should be considered, specially when resulting from heat sources in the proximity of the hose assembly.

Fluid compatibility:

Fluid compatibility with the hose and the coupling should be verified. Fluids that chemically attack the hose can lead to the contamination and obstruction of the hydraulic system and to premature failure of the hose. Handling gases requires special attention. As an orientation, the Balflex[®] Hydraulic Hose Fluid Compatibility Chart gives a classification of compatibility with some fluids. Consult Balflex[®] for compatibility of other fluids and rubber compounds. Whenever in doubt test before application.

Dimensioning:

Dimensioning of all components should guarantee that pressure loss is kept at a minimum, in order not to reduce power transmission and to avoid overheating or turbulence of the fluid that might lead to deterioration of the lining.

Assembly geometry:

Installation should guarantee that the minimum bend radius of the hose is respected and that bending occurs only in one plane. Hose length may suffer a variation between – 4% and + 2%, when submitted to pressure. The assembly length should provide enough margin for this change in length. Torsion and traction of the assembly must be avoided and protection and restraint of the assembly should be considered if there are obstacles to avoid. Mechanical loads acting on the assembly, including vibration, should be kept at a minimum. Free swivelling connectors should be used whenever torsion is present. Whenever hose failure may result in whipping (for example in gas applications) restraint through a steel cable to the connecting parts should be considered. When connecting a moving part, the free movement of the assembly without touching any surface should be assured. Positioning of the assembly should consider that risks of bodily injury and equipment damage through spillage or fluid ejection are minimized. Table 4 shows some correct and incorrect installation situations.

Environmental compatibility:

The hose and couplings compatibility with the working environment factors, as temperature, fire hazard, UV light, ozone, chemicals and electrical charges should be considered. External protection sleeves require an adequate assembly.

Air and Gaseous applications:

Hose assemblies that are to be used in air and other gaseous applications should be pin-pricked, through the cover, prior to use.

These micro perforations allow gas that has permeated the inner tube of the hose to escape into the atmosphere. This prevents gases from accumulating and blistering the hose cover.

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Balflex[®] Hydraulic Hoses

Electrical conductivity:

Electrical conductivity, to avoid static electricity build up, or non-conductivity, to avoid electrical discharge through the assembly, may be decisive requirement to avoid explosion or electrical shocks. **Whenever the hose is not unequivocally branded either non-conductive or anti-static, its electrical characteristics should always be considered as not controlled.**

Permeability:

All hoses present a certain degree of permeability, especially with gases and highly volatile liquids. The designer should consider the possibility that this permeability results in system or environment contamination.

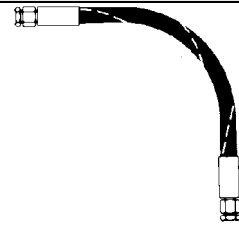
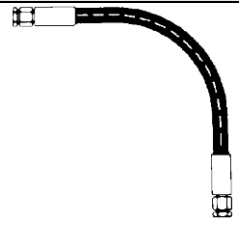
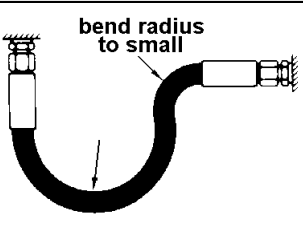
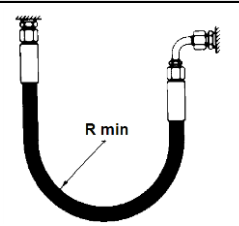
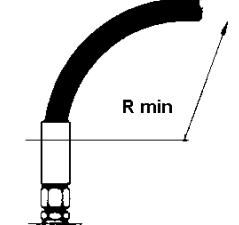
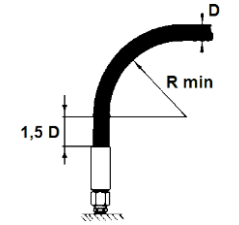
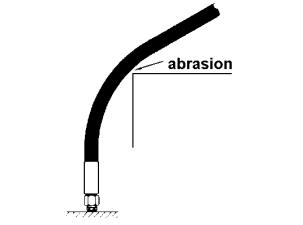
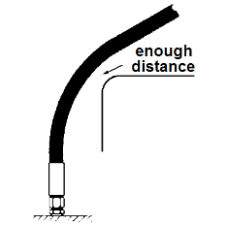
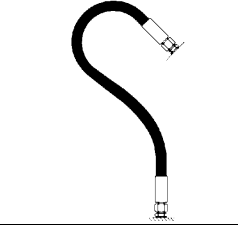
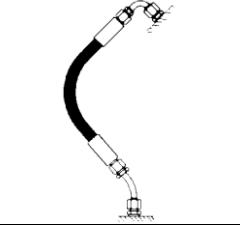
Abrasion:

Accelerated external abrasion, through contact in motion or exposure to projected particles reduces drastically hose life and leads to premature failure through exposure of the reinforcement. For special applications Balflex[®] recommends hoses with special abrasion resistant rubber compounds or protection through adequate sleeves.

Couplings selection:

Couplings are a fundamental part of the geometry of hose assemblies. The compatibility of sealing and securement of the couplings to the system ports should be verified. The recommended coupling series for each hose should be used and the assembly instructions carefully followed. Inadequate couplings may damage the hose and lead to a premature failure.

Table 4: Examples of installation of hoses assemblies

Incorrect 	Correct 	Incorrect  bend radius to small	Correct  R min
Incorrect  R min	Correct  D R min 1,5 D	Incorrect  abrasion	Correct  enough distance
Incorrect 	Correct 		

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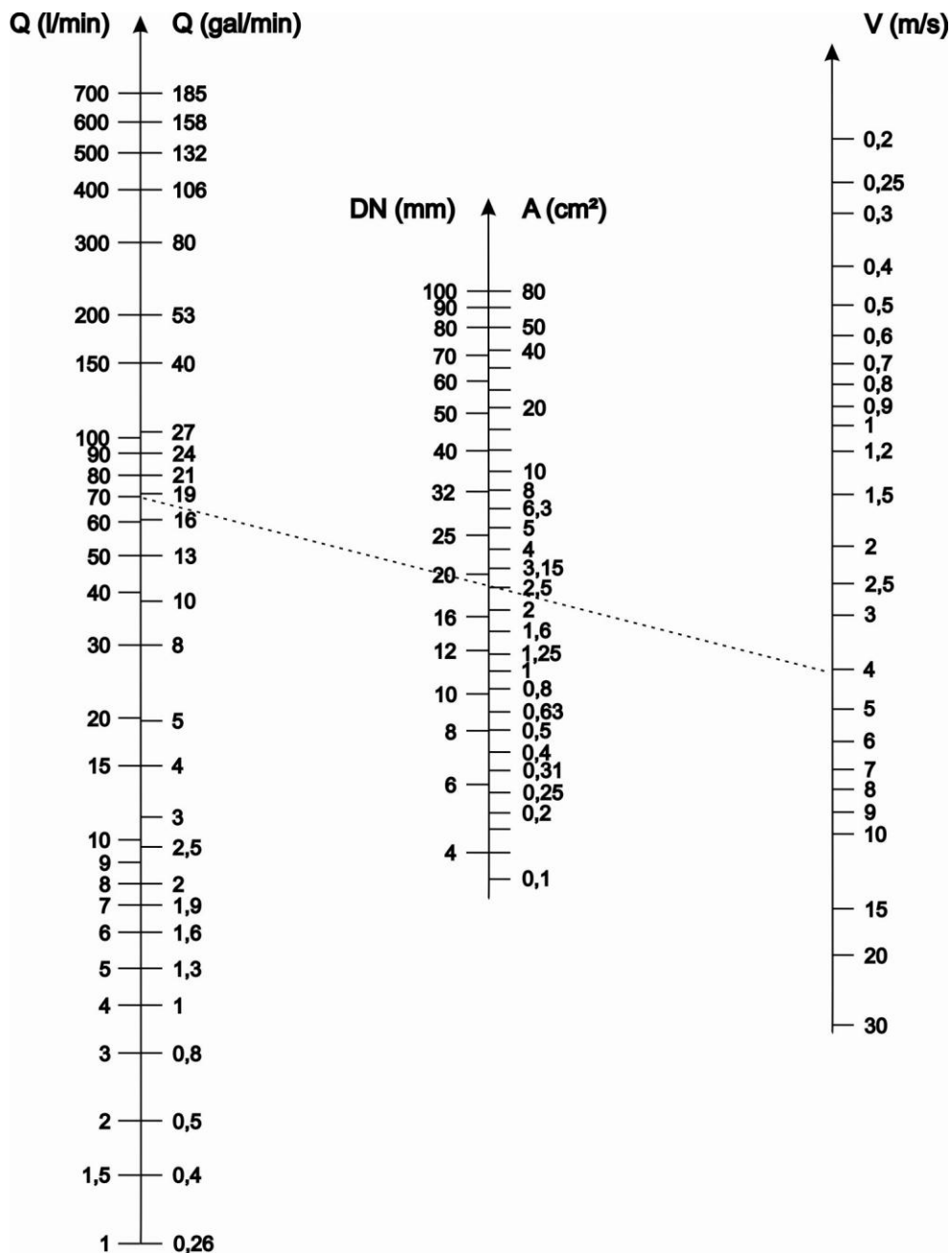
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Balflex[®] Hydraulic Hoses



Balflex[®] Hose Selection Chart

This graphic helps finding the Nominal Hose Diameter-DN (mm) or the Dash Size. Firstly, one must know the Flow Rate and Fluid Velocity values that are being used. These two pieces of information must be found in the outer graphic lines. Then by linking these two values with a straight line, one should obtain the Nominal Hose Diameter-DN (mm) or the Gauge Diameter-A (cm²). The example below shows that for a fluid velocity of 4 meters per second and a flow rate of 70 liters per minute or 19 gallons per minute, one should choose a hose with DN of 19mm it means 3/4" hose or a dash hose -12.



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Balflex® DIN 1TE / SAE 100R6 – DIN 2TE

Balflex® DIN EN 854 1TE / SAE 100R6 – 10.1216.

According to ISO 4079 type 1 / DIN EN 854 type 1TE / SAE J517 type SAE 100R6

Medium pressure, single textile braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 1 high resistance synthetic fiber braid
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 50°C (+ 122°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20.107. serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1216.03	3/16"	- 3	4,8	0.19	11,1	0.44	3.4	500	13.8	2000	51	2.0	0,10
10.1216.04	1/4"	- 4	6,3	0.25	12,5	0.49	2.8	400	11.0	1600	64	2.5	0,12
10.1216.05	5/16"	- 5	8,0	0.31	14,0	0.55	2.8	400	11.0	1600	76	3.0	0,15
10.1216.06	3/8"	- 6	9,5	0.38	16,0	0.63	2.8	400	11.0	1600	76	3.0	0,16
10.1216.08	1/2"	- 8	12,7	0.50	19,8	0.78	2.8	400	11.0	1600	102	4.0	0,24
10.1216.10	5/8"	- 10	16,0	0.63	23,0	0.91	2.4	350	9.7	1400	127	5.0	0,28
10.1216.12	3/4"	- 12	19,0	0.75	26,2	1.03	2.1	300	8.3	1200	152	7.0	0,41
10.1216.14	7/8"	- 14	22,0	0.87	31,3	1.23	2.2	310	8.8	1240	200	7.9	0,56
10.1216.16	1"	- 16	25,4	1.00	32,5	1.28	1.7	250	6.8	1000	203	8.0	0,58

Note: Sizes - 14 (DN 22) 7/8" and - 16 (DN 25) 1" not included in the standards.

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Balflex® DIN EN 854 2TE – 10.1217.

According to ISO 4079 type 2 / DIN EN 854 type 2TE

Medium pressure, single textile braid reinforced hydraulic hose



part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1217.03	3/16"	- 3	4,8	0.19	11,8	0.46	8.0	1160	32.0	4640	25	1.0	0,11
10.1217.04	1/4"	- 4	6,3	0.25	13,4	0.53	7.5	1087	30.0	4350	40	1.5	0,13
10.1217.05	5/16"	- 5	8,0	0.31	14,9	0.59	6.8	985	27.2	3940	50	2.0	0,17
10.1217.06	3/8"	- 6	9,5	0.38	16,5	0.65	6.3	913	25.2	3650	60	2.4	0,18
10.1217.08	1/2"	- 8	12,7	0.50	19,7	0.78	5.8	840	23.2	3360	70	2.8	0,26
10.1217.10	5/8"	- 10	16,0	0.63	23,9	0.94	5.0	725	20.0	2900	90	3.6	0,30
10.1217.12	3/4"	- 12	19,0	0.75	27,0	1.06	4.5	650	18.0	2610	110	4.4	0,43
10.1217.16	1"	- 16	25,4	1.00	34,4	1.35	4.0	580	16.0	2320	150	5.9	0,60

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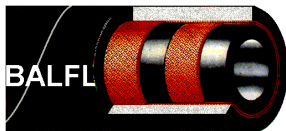
Balflex® DIN EN 854 3TE / SAE 100R3



Balflex® DIN EN 854 3TE / SAE 100R3 – 10.1220.

According to ISO 4079 type 3 / DIN EN 854 type 3TE / SAE J517 type SAE 100R3

Medium pressure, double textile braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 2 high resistance synthetic fiber braids
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F).
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 50°C (+ 122°F)**
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20.201. serie on sizes 1/4", 5/16", 3/8", 1", 1.1/4", 1.1/2" and 2", and 20.202. series on sizes 1/2", 5/8" and 3/4".

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1220.03	3/16"	- 3	4,8	0.19	12,8	0.50	16.0	2320	64.0	9280	40	1.57	0,13
10.1220.04	1/4"	- 4	6,3	0.25	14,5	0.57	14.5	2100	58.0	8400	45	1.77	0,18
10.1220.05	5/16"	- 5	8,0	0.31	17,0	0.67	13.0	1885	52.0	7540	55	2.17	0,25
10.1220.06	3/8"	- 6	9,5	0.38	18,5	0.73	11.0	1595	44.0	6380	70	2.76	0,28
10.1220.08	1/2"	- 8	12,7	0.50	21,8	0.86	9.3	1350	37.2	5400	85	3.35	0,44
10.1220.10	5/8"	- 10	16,0	0.63	26,0	1.02	8.0	1160	32.0	4640	105	4.13	0,49
10.1220.12	3/4"	- 12	19,0	0.75	29,0	1.14	7.0	1015	28.0	4060	130	5.12	0,68
10.1220.16	1"	- 16	25,4	1.00	36,0	1.42	5.5	797	22.0	3188	150	5.91	0,69
10.1220.20	1.1/4"	- 20	32,0	1.25	42,0	1.65	4.5	650	18.0	2600	190	7.48	0,88
10.1220.24	1.1/2"	- 24	38,0	1.50	49,5	1.95	4.0	580	16.0	2320	240	9.45	1,27
10.1220.32	2"	- 32	50,8	2.00	62,2	2.45	3.3	480	13.2	1920	300	11.81	1,35

Note: Sizes - 24 (1.1/2") and - 32 (2") not included in the standards.

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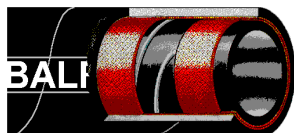
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Balflex® SAE 100R4 – 10.1219.

According to SAE J517 type SAE 100R4

Suction & Delivery hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** textile braids and 1 high strength steel wire helix
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** suction, delivery, return & discharge of petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** Balflex® fittings 23 serie up to 2" and 44 serie from 3" up to 4" with clamps

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1219.12	3/4"	- 12	19,0	0.75	34,9	1.38	2.1	315	8.4	1260	127	5.0	0,75
10.1219.16	1"	- 16	25,4	1.00	41,3	1.63	1.7	255	6.8	1020	152	6.0	0,93
10.1219.20	1.1/4"	- 20	31,8	1.25	50,8	2.00	1.4	210	5.6	840	203	8.0	1,25
10.1219.24	1.1/2"	- 24	38,1	1.50	57,2	2.25	1.05	157.5	4.2	630	254	10.0	1,54
10.1219.32	2"	- 32	50,8	2.00	69,9	2.75	0.7	105	2.8	420	305	12.0	2,00
10.1219.40	2.1/2"	- 40	63,5	2.50	82,6	3.25	0.4	60	1.6	240	356	14.0	2,50
10.1219.48	3"	- 48	76,2	3.00	95,3	3.75	0.4	60	1.6	240	457	18.0	3,20
10.1219.56	3.1/2"	- 56	88,9	3.50	108	4.25	0.3	45	1.2	180	533	21.0	4,03
10.1219.64	4"	- 64	101,6	4.00	121	4.75	0.25	37.5	1.0	150	610	24.0	5,04

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Balflex[®] DIN EN 853 1SN / SAE 100R1AT



Balflex[®] DIN EN 853 1SN / SAE 100R1AT – 10.1002.

According to ISO 1436 / DIN EN 853 type 1SN / SAE J517 type SAE 100R1 AT

High pressure, single steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** Balflex[®] crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1002.03	3/16"	- 3	4,8	0.19	11,8	0.47	25.0	3625	100.0	14500	89	3.5	0,23
10.1002.04	1/4"	- 4	6,3	0.25	13,4	0.53	22.5	3260	90.0	13040	100	3.9	0,26
10.1002.05	5/16"	- 5	8,0	0.31	15,0	0.59	21.5	3115	85.0	12460	114	4.5	0,30
10.1002.06	3/8"	- 6	9,5	0.38	17,4	0.69	18.0	2610	72.0	10440	127	5.0	0,36
10.1002.08	1/2"	- 8	12,7	0.50	20,7	0.81	16.0	2320	64.0	9280	178	7.0	0,46
10.1002.10	5/8"	- 10	16,0	0.63	23,8	0.93	13.0	1885	52.0	7540	200	7.9	0,56
10.1002.12	3/4"	- 12	19,0	0.75	27,8	1.09	10.5	1520	42.0	6080	240	9.4	0,74
10.1002.16	1"	- 16	25,4	1.00	35,9	1.40	8.8	1275	35.0	5100	300	11.8	1,06
10.1002.20	1.1/4"	- 20	32,0	1.25	43,8	1.71	6.3	910	25.0	3640	419	16.5	1,36
10.1002.24	1.1/2"	- 24	38,0	1.50	51,1	1.99	5.0	725	20.0	2900	500	19.7	1,65
10.1002.32	2"	- 32	50,8	2.00	64,5	2.52	4.0	580	16.0	2320	630	24.8	2,05
10.1002.40	2.1/2"	- 40	63,5	2.50	79,0	3.11	5.0	725	20.0	2900	760	30.4	2,89
10.1002.48	3"	- 48	76,2	3.00	92,0	3.62	3.5	508	14.0	2030	900	36.0	3,43

Note: Sizes - 40 (2.1/2") and - 48 (3") not included in the standards.

Balflex[®] hydraulic hose DIN EN 853 1SN / SAE 100R1AT has a very superior working and burst pressure compared with only SAE 100R1AT

COVER: U.S. MSHA APPROVED

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Balflex[®] – The European Technology



Balflex® DIN EN 853 2SN / SAE 100R2AT

Balflex® DIN EN 853 2SN / SAE 100R2AT – 10.1004.

According to ISO 1436 / DIN EN 853 type 2SN / SAE J517 type SAE 100R2 AT

High pressure, double steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight kg/m
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1004.03	3/16"	- 3	4,8	0.19	13,4	0.53	41.5	6015	165.0	24060	89	3.5	0,32
10.1004.04	1/4"	- 4	6,3	0.25	15,0	0.59	40.0	5800	160.0	23200	100	3.9	0,38
10.1004.05	5/16"	- 5	8,0	0.31	16,6	0.65	35.0	5075	140.0	20300	114	4.5	0,45
10.1004.06	3/8"	- 6	9,5	0.38	19,0	0.75	33.0	4785	132.0	19140	127	5.0	0,53
10.1004.08	1/2"	- 8	12,7	0.50	22,2	0.87	27.5	3985	110.0	15940	178	7.0	0,65
10.1004.10	5/8"	- 10	16,0	0.63	25,5	1.00	25.0	3625	100.0	14500	200	7.9	0,76
10.1004.12	3/4"	- 12	19,0	0.75	29,4	1.15	21.5	3120	86.0	12480	240	9.4	1,00
10.1004.16	1"	- 16	25,4	1.00	37,9	1.50	16.5	2390	65.0	9560	300	11.8	1,48
10.1004.20	1.1/4"	- 20	32,0	1.25	48,5	1.90	12.5	1810	50.0	7240	419	16.5	2,14
10.1004.24	1.1/2"	- 24	38,0	1.50	54,7	2.15	9.0	1300	36.0	5200	500	19.7	2,55
10.1004.32	2"	- 32	50,8	2.00	67,4	2.65	8.0	1160	32.0	4640	630	24.8	3,30
10.1004.40	2.1/2"	- 40	63,5	2.50	83,0	3.27	7.0	1015	28.0	4060	760	30.4	3,96
10.1004.48	3"	- 48	76,2	3.00	96,0	3.78	5.5	798	22.0	3192	900	36.0	4,96

Note: Size - 48 (3") not included in the standards.

Balflex® hydraulic hose DIN EN 853 2SN / SAE 100R2AT has a very superior working and burst pressure compared with only SAE 100R2AT

COVER: U.S. MSHA APPROVED

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Balflex® – The European Technology

Balflex[®] DIN EN 853 1ST / SAE 100R1A



Balflex[®] DIN EN 853 1ST / SAE 100R1A – 10.1001.

According to ISO 1436 / DIN EN 853 type 1ST / SAE J517 type SAE 100R1 A

THICK COVER - High pressure, single steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** Balflex[®] crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1001.04	1/4"	- 4	6,3	0.25	15,5	0.61	22.5	3260	90.0	13040	100	3.94	0,29
10.1001.05	5/16"	- 5	8,0	0.31	17,1	0.67	21.5	3115	85.0	12460	115	4.53	0,34
10.1001.06	3/8"	- 6	9,5	0.38	19,4	0.76	18.0	2610	72.0	10440	130	5.12	0,42
10.1001.08	1/2"	- 8	12,7	0.50	22,6	0.89	16.0	2320	64.0	9280	180	7.09	0,51
10.1001.10	5/8"	- 10	16,0	0.63	25,8	1.02	13.0	1885	52.0	7540	200	7.87	0,59
10.1001.12	3/4"	- 12	19,0	0.75	29,8	1.17	10.5	1520	42.0	6080	240	9.45	0,73
10.1001.16	1"	- 16	25,4	1.00	37,6	1.48	8.8	1275	35.0	5100	300	11.81	1,05
10.1001.20	1.1/4"	- 20	32,0	1.25	45,0	1.77	6.3	910	25.0	3640	420	16.54	1,36
10.1001.24	1.1/2"	- 24	38,0	1.50	51,4	2.02	5.0	725	20.0	2900	500	19.68	1,56
10.1001.32	2"	- 32	50,8	2.00	66,4	2.61	4.0	580	16.0	2320	630	24.80	2,30

Note: usually not available in stock, only by order.

Balflex[®] hydraulic hose DIN EN 853 1ST / SAE 100R1A has a very superior working and burst pressure compared with only SAE 100R1A

COVER: U.S. MSHA APPROVED

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Balflex[®] – The European Technology



Balflex® DIN EN 853 2ST / SAE 100R2A

Balflex® DIN EN 853 2ST / SAE 100R2A – 10.1003.

According to ISO 1436 / DIN EN 853 type 2ST / SAE J517 type SAE 100R2 A

THICK COVER - High pressure, double steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1003.04	1/4"	- 4	6,3	0.25	17,1	0.67	40.0	5800	160.0	23200	100	3.94	0,45
10.1003.05	5/16"	- 5	8,0	0.31	18,7	0.74	35.0	5075	140.0	20300	115	4.53	0,52
10.1003.06	3/8"	- 6	9,5	0.38	21,0	0.83	33.0	4785	132.0	19140	130	5.12	0,64
10.1003.08	1/2"	- 8	12,7	0.50	24,2	0.95	27.5	3985	110.0	15940	180	7.09	0,75
10.1003.10	5/8"	- 10	16,0	0.63	27,4	1.08	25.0	3625	100.0	14500	200	7.87	0,88
10.1003.12	3/4"	- 12	19,0	0.75	31,4	1.24	21.5	3120	86.0	12480	240	9.45	1,08
10.1003.16	1"	- 16	25,4	1.00	39,0	1.54	16.5	2390	65.0	9560	300	11.81	1,46
10.1003.20	1.1/4"	- 20	32,0	1.25	49,8	1.96	12.5	1810	50.0	7240	420	16.54	2,17
10.1003.24	1.1/2"	- 24	38,0	1.50	56,2	2.21	9.0	1300	36.0	5200	500	19.69	2,43
10.1003.32	2"	- 32	50,8	2.00	68,8	2.71	8.0	1160	32.0	4640	630	24.80	3,09

Note: usually not available in stock, only by order.

Balflex® hydraulic hose DIN EN 853 2ST / SAE 100R2A has a very superior working and burst pressure compared with only SAE 100R2A

COVER: U.S. MSHA APPROVED

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Balflex® – The European Technology

Balflex® DIN EN 853 1SN / SAE 100R1AT



Balflex® DIN EN 853 1SN / SAE 100R1AT SMOOTH COVER – 10.10S2.

According to ISO 1436 / DIN EN 853 type 1SN / SAE J517 type SAE 100R1 AT

SMOOTH COVER

High pressure, smooth cover, single steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil, weather and abrasion smooth resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.10S2.04	1/4"	- 4	6,3	0.25	13,4	0.53	22.5	3260	90.0	13040	100	3.9	0,26
10.10S2.05	5/16"	- 5	8,0	0.31	15,0	0.59	21.5	3115	85.0	12460	114	4.5	0,30
10.10S2.06	3/8"	- 6	9,5	0.38	17,4	0.69	18.0	2610	72.0	10440	127	5.0	0,36
10.10S2.08	1/2"	- 8	12,7	0.50	20,7	0.81	16.0	2320	64.0	9280	178	7.0	0,46
10.10S2.10	5/8"	- 10	16,0	0.63	23,8	0.93	13.0	1885	52.0	7540	200	7.9	0,56
10.10S2.12	3/4"	- 12	19,0	0.75	27,8	1.09	10.5	1520	42.0	6080	240	9.4	0,74
10.10S2.16	1"	- 16	25,4	1.00	35,9	1.40	8.8	1275	35.0	5100	300	11.8	1,06

Note: usually not available in stock, only by order.

Balflex® hydraulic hose **DIN EN 853 1SN / SAE 100R1AT** has a very superior working and burst pressure compared with only **SAE 100R1AT**

COVER: U.S. MSHA APPROVED

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Balflex® DIN EN 853 2SN / SAE 100R2AT

Balflex® DIN EN 853 2SN / SAE 100R2AT SMOOTH COVER – 10.10S4.

According to ISO 1436 / DIN EN 853 type 2SN / SAE J517 type SAE 100R2 AT

SMOOTH COVER

High pressure, smooth cover, double steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** black, oil, weather and abrasion smooth resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.10S4.04	1/4"	- 4	6,3	0.25	15,0	0.59	40.0	5800	160.0	23200	100	3.9	0,38
10.10S4.05	5/16"	- 5	8,0	0.31	16,6	0.65	35.0	5075	140.0	20300	114	4.5	0,45
10.10S4.06	3/8"	- 6	9,5	0.38	19,0	0.75	33.0	4785	132.0	19140	127	5.0	0,53
10.10S4.08	1/2"	- 8	12,7	0.50	22,2	0.87	27.5	3985	110.0	15940	178	7.0	0,65
10.10S4.10	5/8"	- 10	16,0	0.63	25,5	1.00	25.0	3625	100.0	14500	200	7.9	0,76
10.10S4.12	3/4"	- 12	19,0	0.75	29,4	1.15	21.5	3120	86.0	12480	240	9.4	1,00
10.10S4.16	1"	- 16	25,4	1.00	37,9	1.50	16.5	2390	65.0	9560	300	11.8	1,48

Note: usually not available in stock, only by order.

Balflex® hydraulic hose DIN EN 853 2SN / SAE 100R2AT has a very superior working and burst pressure compared with only SAE 100R2AT

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Balflex® – The European Technology

Balflex® ARTIC 1 LOW TEMPERATURE

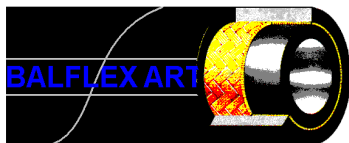


Balflex® ARTIC 1 DIN EN 853 1SN / SAE 100R1AT – 10.1002.--LT

According to ISO 1436 / DIN EN 853 type 1SN / SAE J517 type SAE 100R1 AT

High pressure, single steel braid reinforced hydraulic hose

LOW TEMPERATURE - 60°C (- 76°F)



- Inner tube:** seamless oil resistant synthetic rubber resistant to low temperature
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 60°C (- 76°F) + 100°C (+ 212°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1002.03LT	3/16"	- 3	4,8	0.19	11,8	0.47	25.0	3625	100.0	14500	89	3.5	0,23
10.1002.04LT	1/4"	- 4	6,3	0.25	13,4	0.53	22.5	3260	90.0	13040	100	3.9	0,26
10.1002.05LT	5/16"	- 5	8,0	0.31	15,0	0.59	21.5	3115	85.0	12460	114	4.5	0,30
10.1002.06LT	3/8"	- 6	9,5	0.38	17,4	0.69	18.0	2610	72.0	10440	127	5.0	0,36
10.1002.08LT	1/2"	- 8	12,7	0.50	20,7	0.81	16.0	2320	64.0	9280	178	7.0	0,46
10.1002.10LT	5/8"	- 10	16,0	0.63	23,8	0.93	13.0	1885	52.0	7540	200	7.9	0,56
10.1002.12LT	3/4"	- 12	19,0	0.75	27,8	1.09	10.5	1520	42.0	6080	240	9.4	0,74
10.1002.16LT	1"	- 16	25,4	1.00	35,9	1.40	8.8	1275	35.0	5100	300	11.8	1,06
10.1002.20LT	1.1/4"	- 20	32,0	1.25	43,8	1.71	6.3	910	25.0	3640	419	16.5	1,36
10.1002.24LT	1.1/2"	- 24	38,0	1.50	51,1	1.99	5.0	725	20.0	2900	500	19.7	1,65
10.1002.32LT	2"	- 32	50,8	2.00	64,5	2.52	4.0	580	16.0	2320	630	24.8	2,05

Balflex® hydraulic hose **DIN EN 853 1SN / SAE 100R1AT** has a very superior working and burst pressure compared with only **SAE 100R1AT**

COVER: U.S. MSHA APPROVED

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Balflex® ARTIC 2 LOW TEMPERATURE

Balflex® ARTIC 2 DIN EN 853 2SN / SAE 100R2AT – 10.1004.--LT

According to ISO 1436 / DIN EN 853 type 2SN / SAE J517 type SAE 100R2 AT

High pressure, double steel braid reinforced hydraulic hose

LOW TEMPERATURE - 60°C (- 76°F)



- Inner tube:** seamless oil resistant synthetic rubber resistant to low temperature
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 60°C (- 76°F) + 100°C (+ 212°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** **Balflex®** crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1004.03LT	3/16"	- 3	4,8	0.19	13,4	0.53	41.5	6015	165.0	24060	89	3.5	0,32
10.1004.04LT	1/4"	- 4	6,3	0.25	15,0	0.59	40.0	5800	160.0	23200	100	3.9	0,38
10.1004.05LT	5/16"	- 5	8,0	0.31	16,6	0.65	35.0	5075	140.0	20300	114	4.5	0,45
10.1004.06LT	3/8"	- 6	9,5	0.38	19,0	0.75	33.0	4785	132.0	19140	127	5.0	0,53
10.1004.08LT	1/2"	- 8	12,7	0.50	22,2	0.87	27.5	3985	110.0	15940	178	7.0	0,65
10.1004.10LT	5/8"	- 10	16,0	0.63	25,5	1.00	25.0	3625	100.0	14500	200	7.9	0,76
10.1004.12LT	3/4"	- 12	19,0	0.75	29,4	1.15	21.5	3120	86.0	12480	240	9.4	1,00
10.1004.16LT	1"	- 16	25,4	1.00	37,9	1.50	16.5	2390	65.0	9560	300	11.8	1,48
10.1004.20LT	1.1/4"	- 20	32,0	1.25	48,5	1.90	12.5	1810	50.0	7240	419	16.5	2,14
10.1004.24LT	1.1/2"	- 24	38,0	1.50	54,7	2.15	9.0	1300	36.0	5200	500	19.7	2,55
10.1004.32LT	2"	- 32	50,8	2.00	67,4	2.65	8.0	1160	32.0	4640	630	24.8	3,30

Balflex® hydraulic hose **DIN EN 853 2SN / SAE 100R2AT** has a very superior working and burst pressure compared with only **SAE 100R2AT**

COVER: U.S. MSHA APPROVED

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Balflex® TROPIC 1 HIGH TEMPERATURE



Balflex® TROPIC 1 DIN EN 853 1SN / SAE 100R1AT – 10.1002.--HT

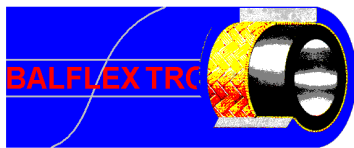
According to ISO 1436 / DIN EN 853 type 1SN / SAE J517 type SAE 100R1 AT

High pressure, single steel braid reinforced hydraulic hose

HIGH TEMPERATURE

+ 150°C (+ 302°F) intermittent service

+ 135°C (+ 275°F) continuous service



- Inner tube:** seamless oil resistant synthetic rubber resistant to high temperature
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** intermittent: - 40°C (- 40°F) + 150°C (+ 302°F); continuous service: + 135°C (+ 275°F)
Max. temperature recommended for water base hydraulic fluids: **+ 120°C (+ 248°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1002.03HT	3/16"	- 3	4,8	0.19	11,8	0.47	25.0	3625	100.0	14500	89	3.5	0,23
10.1002.04HT	1/4"	- 4	6,3	0.25	13,4	0.53	22.5	3260	90.0	13040	100	3.9	0,26
10.1002.05HT	5/16"	- 5	8,0	0.31	15,0	0.59	21.5	3115	85.0	12460	114	4.5	0,30
10.1002.06HT	3/8"	- 6	9,5	0.38	17,4	0.69	18.0	2610	72.0	10440	127	5.0	0,36
10.1002.08HT	1/2"	- 8	12,7	0.50	20,7	0.81	16.0	2320	64.0	9280	178	7.0	0,46
10.1002.10HT	5/8"	- 10	16,0	0.63	23,8	0.93	13.0	1885	52.0	7540	200	7.9	0,56
10.1002.12HT	3/4"	- 12	19,0	0.75	27,8	1.09	10.5	1520	42.0	6080	240	9.4	0,74
10.1002.16HT	1"	- 16	25,4	1.00	35,9	1.40	8.8	1275	35.0	5100	300	11.8	1,06
10.1002.20HT	1.1/4"	- 20	32,0	1.25	43,8	1.71	6.3	910	25.0	3640	419	16.5	1,36
10.1002.24HT	1.1/2"	- 24	38,0	1.50	51,1	1.99	5.0	725	20.0	2900	500	19.7	1,65
10.1002.32HT	2"	- 32	50,8	2.00	64,5	2.52	4.0	580	16.0	2320	630	24.8	2,05

Balflex® hydraulic hose DIN EN 853 1SN / SAE 100R1AT has a very superior working and burst pressure compared with only SAE 100R1AT

COVER: U.S. MSHA APPROVED

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Balflex® TROPIC 2 HIGH TEMPERATURE

Balflex® TROPIC 2 DIN EN 853 2SN / SAE 100R2AT – 10.1004.--HT

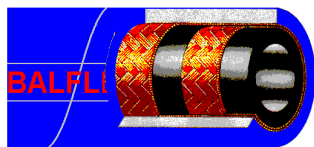
According to ISO 1436 / DIN EN 853 type 2SN / SAE J517 type SAE 100R2 AT

High pressure, double steel braid reinforced hydraulic hose

HIGH TEMPERATURE

+ 150°C (+ 302°F) intermittent service

+ 135°C (+ 275°F) continuous service



- Inner tube:** seamless oil resistant synthetic rubber resistant to high temperature
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** intermittent: - 40°C (- 40°F) + 150°C (+ 302°F); continuous service: + 135°C (+ 275°F)
Max. temperature recommended for water base hydraulic fluids: **+ 120°C (+ 248°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1004.03HT	3/16"	- 3	4,8	0.19	13,4	0.53	41.5	6015	165.0	24060	89	3.5	0,32
10.1004.04HT	1/4"	- 4	6,3	0.25	15,0	0.59	40.0	5800	160.0	23200	100	3.9	0,38
10.1004.05HT	5/16"	- 5	8,0	0.31	16,6	0.65	35.0	5075	140.0	20300	114	4.5	0,45
10.1004.06HT	3/8"	- 6	9,5	0.38	19,0	0.75	33.0	4785	132.0	19140	127	5.0	0,53
10.1004.08HT	1/2"	- 8	12,7	0.50	22,2	0.87	27.5	3985	110.0	15940	178	7.0	0,65
10.1004.10HT	5/8"	- 10	16,0	0.63	25,5	1.00	25.0	3625	100.0	14500	200	7.9	0,76
10.1004.12HT	3/4"	- 12	19,0	0.75	29,4	1.15	21.5	3120	86.0	12480	240	9.4	1,00
10.1004.16HT	1"	- 16	25,4	1.00	37,9	1.50	16.5	2390	65.0	9560	300	11.8	1,48
10.1004.20HT	1.1/4"	- 20	32,0	1.25	48,5	1.90	12.5	1810	50.0	7240	419	16.5	2,14
10.1004.24HT	1.1/2"	- 24	38,0	1.50	54,7	2.15	9.0	1300	36.0	5200	500	19.7	2,55
10.1004.32HT	2"	- 32	50,8	2.00	67,4	2.65	8.0	1160	32.0	4640	630	24.8	3,30

Balflex® hydraulic hose DIN EN 853 2SN / SAE 100R2AT has a very superior working and burst pressure compared with only SAE 100R2AT

COVER: U.S. MSHA APPROVED

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Balflex® BALPAC PREMIUM SAE 100R16



Balflex® BALPAC PREMIUM SAE 100R16 – 10.1019.

According to **SAE J517 Norm type / SAE 100R16 / ISO 11237-1 Norm type R16**

Exceeds SAE 100R16

Very High pressure, double steel wire braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** **Balflex®** crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1019.04	1/4"	- 4	6,3	0.25	13,3	0.52	40.0	5800	160.0	23200	50	2.0	0,27
10.1019.05	5/16"	- 5	8,0	0.31	15,0	0.59	35.0	5075	140.0	20300	57	2.2	0,30
10.1019.06	3/8"	- 6	9,5	0.38	17,1	0.67	33.0	4785	132.0	19140	65	2.6	0,42
10.1019.08	1/2"	- 8	12,7	0.50	20,6	0.81	27.6	4000	110.4	16000	90	3.5	0,52
10.1019.10	5/8"	- 10	16,0	0.63	23,7	0.93	25.0	3625	100.0	14500	100	3.9	0,63
10.1019.12	3/4"	- 12	19,0	0.75	27,7	1.09	21.5	3118	86.0	12472	120	4.7	0,80
10.1019.16	1"	- 16	25,4	1.00	35,8	1.41	16.5	2393	66.0	9572	150	5.9	1,22

COVER: U.S. MSHA APPROVED

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Balflex® BALPAC 3000 SAE 100R17

Balflex® BALPAC 3000 SAE 100R17 – 10.1017.

According to *SAE J517 Norm type / SAE 100R17 / ISO 11237-1 Norm type R17*

High pressure, single or double steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid on sizes 1/4", 5/16", 3/8" and 1/2" and 2 braids on sizes 5/8", 3/4" and 1"
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** **Balflex®** crimped fittings series 23 with ferrules series 20.204 (2 wires) & 20.205 (1 wire). Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
1 Wire Braid													
10.1017.04	1/4"	- 4	6,3	0.25	12,7	0.50	22.5	3260	90.0	13040	51	2.0	0.22
10.1017.05	5/16"	- 5	8,0	0.31	15,0	0.59	21.0	3000	84.0	12000	60	2.4	0.27
10.1017.06	3/8"	- 6	9,5	0.38	16,5	0.65	21.0	3000	84.0	12000	64	2.5	0.34
10.1017.08	1/2"	- 8	12,7	0.50	20,8	0.82	21.0	3000	84.0	12000	89	3.5	0.42
2 Wire Braid													
10.1017.10	5/8"	- 10	15,9	0.63	24,7	0.97	25.0	3625	100.0	14500	102	4.0	0.51
10.1017.12	3/4"	- 12	19,0	0.75	28,6	1.13	21.5	3120	86.0	12480	122	4.8	0.63
10.1017.16	1"	- 16	25,4	1.00	36,6	1.48	20.7	3000	82.8	12000	152	6.0	1.00

COVER: U.S. MSHA APPROVED

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Balflex® BALPAC DIN EN 1SC



Balflex® BALPAC DIN EN 857 1SC – 10.1017. / 10.1018.

According to ISO 11237–1 Norm type 1SC / DIN EN 857 Norm type 1SC

High pressure, single steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4 : 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings series 23 with ferrules series 20

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1017.													
10.1017.04	1/4"	- 4	6,3	0.25	12,7	0.50	22.5	3260	90.0	13040	51	2.0	0.22
10.1017.05	5/16"	- 5	8,0	0.31	15,0	0.59	21.0	3000	84.0	12000	60	2.4	0.27
10.1017.06	3/8"	- 6	9,5	0.38	16,5	0.65	21.0	3000	84.0	12000	64	2.5	0.34
10.1017.08	1/2"	- 8	12,7	0.50	20,8	0.82	21.0	3000	84.0	12000	89	3.5	0.42
10.1018.													
10.1018.10	5/8"	- 10	15,9	0.63	23.0	0.90	13.0	1885	52.0	7540	102	4.0	0.51
10.1018.12	3/4"	- 12	19,0	0.75	26.7	1.05	10.5	1523	42.0	6090	122	4.8	0.63
10.1018.16	1"	- 16	25,4	1.00	34.9	1.37	8.8	1276	35.2	5104	152	6.0	1.00

COVER: U.S. MSHA APPROVED

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Balflex® BALPAC PREMIUM DIN EN 2SC

Balflex® BALPAC PREMIUM DIN EN 857 2SC – 10.1019.

According to ISO 11237–1 Norm type 2SC / DIN EN 857 Norm type 2SC

High pressure, double steel braid reinforced hydraulic hose



- Inner tube :** seamless oil resistant synthetic rubber
- Reinforcement :** 2 high tensile steel wire braid
- Outer tube :** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor :** 4 : 1
- Application :** petroleum base hydraulic fluids
- Temperature range :** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings :** Balflex® crimped fittings series 23 with ferrules series 20

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1019.04	1/4"	- 4	6,3	0.25	13,3	0.52	40.0	5800	160.0	23200	50	2.0	0.27
10.1019.05	5/16"	- 5	8,0	0.31	15,0	0.59	35.0	5075	140.0	20300	57	2.2	0,30
10.1019.06	3/8"	- 6	9,5	0.38	17,1	0.67	33.0	4785	132.0	19140	65	2.6	0.42
10.1019.08	1/2"	- 8	12,7	0.50	20,6	0.81	27.6	4000	110.4	16000	90	3.5	0.52
10.1019.10	5/8"	- 10	15,9	0.63	23,7	0.93	25.0	3625	100.0	14500	100	3.9	0.63
10.1019.12	3/4"	- 12	19,0	0.75	27,7	1.09	21.5	3118	86.0	12472	120	4.7	0.80
10.1019.16	1"	- 16	25,4	1.00	35,8	1.41	16.5	2393	66.0	9572	150	5.9	1.22

COVER: U.S. MSHA APPROVED

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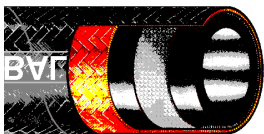
Balflex® SAE 100R5 / SAE J 1402 All



Balflex® SAE 100R5 / SAE J 1402 All – 10.1007.

According to SAE J517 type SAE 100R5 / SAE J 1402 type All

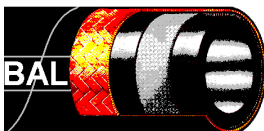
High pressure hydraulic hose with steel and textile braids reinforcement with rubber impregnated textile cover



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 2 high resistance synthetic textile braids with an intermediate high tensile steel wire braid
- Outer tube:** impregnation of the outer textile braid with black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings P25 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1007.04	3/16"	- 4	4,8	0.19	13,2	0.52	20.7	3000	82.8	12000	76	3.00	0,19
10.1007.05	1/4"	- 5	6,3	0.25	14,8	0.60	20.7	3000	82.8	12000	86	3.38	0,27
10.1007.06	5/16"	- 6	8,0	0.31	17,2	0.68	15.5	2250	62.0	9000	102	4.00	0,29
10.1007.08	13/32"	- 8	10,4	0.41	19,5	0.77	13.8	2000	55.2	8000	117	4.62	0,36
10.1007.10	1/2"	- 10	12,7	0.50	23,4	0.92	12.1	1755	48.3	7020	140	5.50	0,45
10.1007.12	5/8"	- 12	16,0	0.63	27,4	1.08	10.3	1495	41.4	5980	165	6.50	0,56
10.1007.16	7/8"	- 16	22,2	0.88	31,4	1.24	5.5	800	22.1	3200	187	7.38	0,78
10.1007.20	1.1/8"	- 20	28,6	1.13	38,1	1.50	4.3	625	17.2	2500	229	9.00	1,06
10.1007.24	1.3/8"	- 24	34,9	1.38	44,5	1.75	3.4	500	13.8	2000	267	10.50	1,45
10.1007.32	1.13/16"	- 32	46,0	1.81	56,4	2.22	2.4	350	9.7	1400	337	13.20	1,70
10.1007.40	2.3/8"	- 40	60,3	2.38	73,0	2.87	2.4	350	9.7	1400	610	24.00	2,15
10.1007.48	3"	- 48	76,2	3.00	90,5	3.56	1.4	200	5.5	800	838	33.00	3,08

High pressure hydraulic hose with steel and textile braids reinforcement with rubber cover



Balflex® SAE 100R5R – 10.1006.

SAE 100R5 hydraulic hose with rubber cover

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Balflex® SAE 100R5 HEATMASTER

Balflex® SAE 100R5 HEATMASTER 150°C / 302°F – 10.1007.--HT

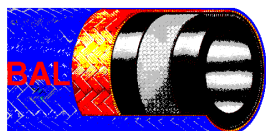
According to SAE J517 type SAE 100R5

High pressure HIGH TEMPERATURE hydraulic hose with steel and textile braids reinforcement with blue rubber impregnated textile cover

HIGH TEMPERATURE

+ 150°C (+ 302°F) intermittent service

+ 135°C (+ 275°F) continuous service



Inner tube: seamless oil resistant synthetic rubber

Reinforcement: 2 high resistance synthetic textile braids with an intermediate high tensile steel wire braid

Outer tube: impregnation of the outer textile blue braid with oil, weather and abrasion resistant synthetic rubber

Safety factor: 4: 1

Application: petroleum base hydraulic fluids and hot air in compressors

Temperature range: intermittent: - 40°C (- 40°F) + 150°C (+ 302°F); continuous service + 135°C (+ 275°F)

Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)

Max. temperature recommended for air: + 60°C (+ 140°F)

Couplings: Balflex® crimped fittings P25 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	kg/m
10.1007.04HT	3/16"	- 4	4,8	0.19	13,2	0.52	20,7	3000	82,8	12000	76	3.00	0,19
10.1007.05HT	1/4"	- 5	6,3	0.25	14,8	0.60	20,7	3000	82,8	12000	86	3.38	0,27
10.1007.06HT	5/16"	- 6	8,0	0.31	17,2	0.68	15,5	2250	62,0	9000	102	4.00	0,29
10.1007.08HT	13/32"	- 8	10,4	0.41	19,5	0.77	13,8	2000	55,2	8000	117	4.62	0,36
10.1007.10HT	1/2"	- 10	12,7	0.50	23,4	0.92	12,1	1755	48,3	7020	140	5.50	0,45
10.1007.12HT	5/8"	- 12	16,0	0.63	27,4	1.08	10,3	1495	41,4	5980	165	6.50	0,56
10.1007.16HT	7/8"	- 16	22,2	0.88	31,4	1.24	5,5	800	22,1	3200	187	7.38	0,78
10.1007.20HT	1.1/8"	- 20	28,6	1.13	38,1	1.50	4,3	625	17,2	2500	229	9.00	1,06
10.1007.24HT	1.3/8"	- 24	34,9	1.38	44,5	1.75	3,4	500	13,8	2000	267	10.50	1,45
10.1007.32HT	1.13/16"	- 32	46,0	1.81	56,4	2.22	2,4	350	9,7	1400	337	13.20	1,70
10.1007.40HT	2.3/8"	- 40	60,3	2.38	73,0	2.87	2,4	350	9,7	1400	610	24.00	2,15
10.1007.48HT	3"	- 48	76,2	3.00	90,5	3.56	1,4	200	5,5	800	838	33.00	3,08

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Balflex® – The European Technology

Balflex[®] 2 – MAX JACK



Balflex[®] 2 – MAX JACK 1/4" 3/8" 10.000PSI and 1/2" 8000PSI – 10.1029.

High pressure, double steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 2.3: 1 (1/4") and 2: 1 (3/8" and 1/2")
- Application:** hydraulic jacks
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** Balflex[®] crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1029.04	1/4"	- 4	6,3	0.25	15,0	0.59	70.0	10000	160.0	23200	100	3.9	0,38
10.1029.06	3/8"	- 6	9,5	0.38	19,0	0.75	70.0	10000	140.0	20000	127	5.0	0,53
10.1029.08	1/2"	- 8	12,7	0.50	22,2	0.87	55.2	8000	110.4	16000	178	7.0	0,65

COVER: U.S. MSHA APPROVED

Balflex[®] 3 – MAX



Balflex[®] 3 - MAX – 10.1005.

Very high pressure, triple steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 3 high tensile steel wire braids
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** Balflex[®] crimped fittings 23 serie or 24 with ferrules 20 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1005.06	3/8"	- 6	9,5	0.38	21,4	0.84	50.0	7200	200.0	28800	150	5.9	0,70
10.1005.08	1/2"	- 8	12,7	0.50	24,6	0.97	47.0	6800	188.0	27200	200	7.9	0,80

The Balflex[®] 3 – MAX hydraulic hose is a hose developed by Balflex[®] with special technical specification to attend higher working pressures.

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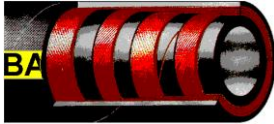


Balflex® BALMASTER SAE 100R12

Balflex® BALMASTER EN 856 R12 / SAE 100R12 – 10.1012.

According to ISO 3862 / EN 856 type R12 / SAE J517 type SAE 100R12

High pressure, four steel wire spirals reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 4 spirals of high tensile steel wire
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings 23 or 24 series with ferrules 20 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1012.06	3/8"	- 6	9,5	0.38	20,3	0.80	27.6	4000	110.0	16000	125	5.0	0,80
10.1012.08	1/2"	- 8	12,7	0.50	23,6	0.93	27.6	4000	110.0	16000	180	7.0	1,15
10.1012.10	5/8"	- 10	16,0	0.63	27,4	1.08	27.6	4000	110.0	16000	205	8.0	1,26
10.1012.12	3/4"	- 12	19,0	0.75	30,7	1.21	27.6	4000	110.0	16000	240	9.5	1,44
10.1012.16	1"	- 16	25,4	1.00	38,1	1.50	27.6	4000	110.0	16000	305	12.0	2,15
10.1012.20	1.1/4"	- 20	32,0	1.25	47,0	1.85	20.7	3000	82.7	12000	420	16.5	2,75
10.1012.24	1.1/2"	- 24	38,0	1.50	53,6	2.11	17.2	2500	69.0	10000	510	20.0	3,35
10.1012.32	2"	- 32	50,8	2.00	66,8	2.63	17.2	2500	69.0	10000	635	25.0	4,60

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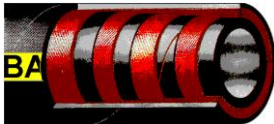
Balflex® BALMASTER DIN EN 856 4SP



Balflex® BALMASTER EN 856 4SP – 10.1008.

According to ISO 3862 / EN 856 type 4SP

Very high pressure, four steel wire spirals reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 4 spirals of high tensile steel wire
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings series 24 with ferrules 20 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1008.04	1/4"	- 4	6,6	0.26	17,9	0.70	50.0	7250	200.0	29000	120	4.7	0,70
10.1008.06	3/8"	- 6	9,5	0.38	21,4	0.84	44.5	6453	178.0	25812	130	5.1	0,80
10.1008.08	1/2"	- 8	12,7	0.50	24,6	0.97	41.5	6018	166.0	24072	180	7.1	1,15
10.1008.10	5/8"	- 10	16,0	0.63	28,2	1.11	35.0	5075	140.0	20300	225	8.9	1,26
10.1008.12	3/4"	- 12	19,0	0.75	32,2	1.27	35.0	5075	140.0	20300	280	11.0	1,44
10.1008.16	1"	- 16	25,4	1.00	39,7	1.56	28.0	4060	112.0	16240	355	14.0	2,15
10.1008.20	1.1/4"	- 20	32,0	1.25	50,8	2.00	21.0	3045	84.0	12180	460	18.1	2,75
10.1008.24	1.1/2"	- 24	38,0	1.50	57,2	2.25	18.5	2683	74.0	10732	560	22.0	3,35
10.1008.32	2"	- 32	50,8	2.00	69,8	2.75	16.5	2393	66.0	9572	710	28.0	4,60

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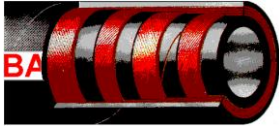


Balflex® POWERSPIR DIN EN 856 4SH

Balflex® POWERSPIR EN 856 4SH – 10.1009.

According to ISO 3862 / EN 856 type 4SH

Very high pressure, four steel wire spirals reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 4 spirals of very high tensile steel wire
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings series 26 with ferrules 20.406. (3/4" and 1") and 20.405. (1.1/4", 1.1/2" and 2") series

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1009.12	3/4"	- 12	19,0	0.75	32,2	1.27	42.0	6090	168.0	24360	280	11.0	1,56
10.1009.16	1"	- 16	25,4	1.00	38,7	1.52	38.0	5510	152.0	22040	340	13.4	2,09
10.1009.20	1.1/4"	- 20	32,0	1.25	45,5	1.79	32.5	4713	130.0	18852	460	18.1	2,57
10.1009.24	1.1/2"	- 24	38,0	1.50	53,5	2.11	29.0	4205	116.0	16820	560	22.0	3,44
10.1009.32	2"	- 32	50,8	2.00	68,1	2.68	25.0	3625	100.0	14500	700	27.6	4,90

* On sizes – 12 (3/4") and – 16 (1") the Balflex® POWERSPIR DIN EN 856 4SH and SAE 100R13 hoses are the same. The working pressure of Balflex® POWERSPIR DIN EN 856 4SH SAE 100R13 3/4" and Balflex® POWERSPIR DIN EN 856 4SH SAE 100R13 1" are higher than standard SAE 100R13.

* On size – 12 (3/4") the Balflex® POWERSPIR DIN EN 856 4SH, SAE 100R13 and SAE 100R15 hoses are the same

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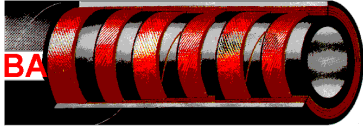
Balflex® POWERSPIR SAE 100R13



Balflex® POWERSPIR SAE 100R13 – 5000PSI – 10.1009. * - 10.1014.

According to ISO 3862 / EN 856 type R13 / SAE J517 type R13

Very high pressure, four or six steel wire spirals reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 4 or 6 spirals of high tensile steel wire
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings series 26 with ferrules 20.406 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1009.12 *	3/4"	- 12	19,0	0.75	32,2	1.27	42.0	6090	168.0	24360	280	11.0	1,56
10.1009.16 *	1"	- 16	25,4	1.00	38,7	1.52	38.0	5510	152.0	22040	340	13.4	2,09
10.1014.20	1.1/4"	- 20	32,0	1.25	49,8	1.96	34.5	5000	138.0	20000	420	16.5	3,90
10.1014.24	1.1/2"	- 24	38,0	1.50	57,4	2.26	34.5	5000	138.0	20000	500	20.0	4,96
10.1014.32	2"	- 32	50,8	2.00	71,1	2.80	34.5	5000	138.0	20000	635	25.0	7,09

Note: According to ISO 3862 / EN 856 type R13 / SAE J517 type R13, the Balflex® POWERSPIR SAE 100R13 hose is of 4 steel wire spirals on sizes – 12 (3/4") and – 16 (1") and of 6 steel wire spirals on sizes – 20 (1.1/4"), – 24 (1.1/2") and – 32 (2").

* On sizes – 12 (3/4") and – 16 (1") the Balflex® POWERSPIR DIN EN 856 4SH and SAE 100R13 hoses are the same. The working pressure of Balflex® POWERSPIR DIN EN 856 4SH SAE 100R13 3/4" and Balflex® POWERSPIR DIN EN 856 4SH SAE 100R13 1" are higher than standard SAE 100R13.

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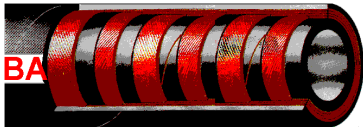


Balflex® POWERSPIR SAE 100R15

Balflex® POWERSPIR SAE 100R15 – 6000PSI – 10.1016.

According to ISO 3862 / EN 856 type R15 / SAE J517 type R15

Very high pressure, four or six steel wire spirals reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 4 or 6 spirals of high tensile steel wire
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings series 26 with ferrules 20 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1016.06	3/8"	- 6	9,5	0.38	23,3	0.92	41.4	6000	165.5	24000	153	6.0	0,75
10.1016.08	1/2"	- 8	12,7	0.50	26,8	1.06	41.4	6000	165.5	24000	203	8.0	0,89
10.1009.12*	3/4"	- 12	19,0	0.75	36,1	1.42	41.4	6000	165.5	24000	267	10.5	1,56
10.1016.16	1"	- 16	25,4	1.00	42,9	1.69	41.4	6000	165.5	24000	330	13.0	2,10
10.1016.20	1.1/4"	- 20	32,0	1.25	51,5	2.03	41.4	6000	165.5	24000	445	17.5	3,65
10.1016.24	1.1/2"	- 24	38,0	1.50	59,6	2.32	41.4	6000	165.5	24000	533	21.0	5,00

Note: According to ISO 3862 / EN 856 type R15 / SAE J517 type R15, the Balflex® POWERSPIR SAE 100R15 hose is of 4 steel wire spirals on sizes – 6 (3/8"), 8 (1/2"), – 12 (3/4") and – 16 (1") and of 6 steel wire spirals on sizes – 20 (1.1/4") and – 24 (1.1/2").

According to ISO 3862 / SAE J517 type R15 doesn't exist the size – 32 (2").

* On size – 12 (3/4") the Balflex® POWERSPIR DIN EN 856 4SH and SAE 100R15 hoses are the same

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Balflex® DIN EN 853 1SN / SAE 100R1AT



Balflex® ARMORGUARD DIN EN 853 1SN / SAE 100R1AT – 10.1002.--A

According to ISO 1436 / DIN EN 853 type 1SN / SAE J517 type SAE 100R1 AT

Balflex® ARMORGUARD VERY HIGH ABRASION RESISTANCE

High pressure, single steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil, weather and VERY HIGH abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1002.03A	3/16"	- 3	4,8	0.19	11,8	0.47	25.0	3625	100.0	14500	89	3.5	0,23
10.1002.04A	1/4"	- 4	6,3	0.25	13,4	0.53	22.5	3260	90.0	13040	100	3.9	0,26
10.1002.05A	5/16"	- 5	8,0	0.31	15,0	0.59	21.5	3115	85.0	12460	114	4.5	0,30
10.1002.06A	3/8"	- 6	9,5	0.38	17,4	0.69	18.0	2610	72.0	10440	127	5.0	0,36
10.1002.08A	1/2"	- 8	12,7	0.50	20,7	0.81	16.0	2320	64.0	9280	178	7.0	0,46
10.1002.10A	5/8"	- 10	16,0	0.63	23,8	0.93	13.0	1885	52.0	7540	200	7.9	0,56
10.1002.12A	3/4"	- 12	19,0	0.75	27,8	1.09	10.5	1520	42.0	6080	240	9.4	0,74
10.1002.16A	1"	- 16	25,4	1.00	35,9	1.40	8.8	1275	35.0	5100	300	11.8	1,06
10.1002.20A	1.1/4"	- 20	32,0	1.25	43,8	1.71	6.3	910	25.0	3640	419	16.5	1,36
10.1002.24A	1.1/2"	- 24	38,0	1.50	51,1	1.99	5.0	725	20.0	2900	500	19.7	1,65
10.1002.32A	2"	- 32	50,8	2.00	64,5	2.52	4.0	580	16.0	2320	630	24.8	2,05
10.1002.40A	2.1/2"	- 40	63,5	2.50	79,0	3.11	5.0	725	20.0	2900	760	30.4	2,89
10.1002.48A	3"	- 48	76,2	3.00	92,0	3.62	3.5	508	14.0	2030	900	36.0	3,43

Note: Sizes - 40 (2.1/2") and - 48 (3") not included in the standards.

Balflex® hydraulic hose DIN EN 853 1SN / SAE 100R1AT has a very superior working and burst pressure compared with only SAE 100R1AT

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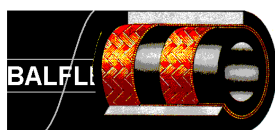
Balflex® DIN EN 853 2SN / SAE 100R2AT

Balflex® ARMORGUARD DIN EN 853 2SN / SAE 100R2AT – 10.1004.--A

According to ISO 1436 / DIN EN 853 type 2SN / SAE J517 type SAE 100R2 AT

Balflex® ARMORGUARD VERY HIGH ABRASION RESISTANCE

High pressure, double steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** black, oil, weather and VERY HIGH abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1004.03A	3/16"	- 3	4,8	0.19	13,4	0.53	41.5	6015	165.0	24060	89	3.5	0,32
10.1004.04A	1/4"	- 4	6,3	0.25	15,0	0.59	40.0	5800	160.0	23200	100	3.9	0,38
10.1004.05A	5/16"	- 5	8,0	0.31	16,6	0.65	35.0	5075	140.0	20300	114	4.5	0,45
10.1004.06A	3/8"	- 6	9,5	0.38	19,0	0.75	33.0	4785	132.0	19140	127	5.0	0,53
10.1004.08A	1/2"	- 8	12,7	0.50	22,2	0.87	27.5	3985	110.0	15940	178	7.0	0,65
10.1004.10A	5/8"	- 10	16,0	0.63	25,5	1.00	25.0	3625	100.0	14500	200	7.9	0,76
10.1004.12A	3/4"	- 12	19,0	0.75	29,4	1.15	21.5	3120	86.0	12480	240	9.4	1,00
10.1004.16A	1"	- 16	25,4	1.00	37,9	1.50	16.5	2390	65.0	9560	300	11.8	1,48
10.1004.20A	1.1/4"	- 20	32,0	1.25	48,5	1.90	12.5	1810	50.0	7240	419	16.5	2,14
10.1004.24A	1.1/2"	- 24	38,0	1.50	54,7	2.15	9.0	1300	36.0	5200	500	19.7	2,55
10.1004.32A	2"	- 32	50,8	2.00	67,4	2.65	8.0	1160	32.0	4640	630	24.8	3,30
10.1004.40A	2.1/2"	- 40	63,5	2.50	83,0	3.27	7.0	1015	28.0	4060	760	30.4	3,96
10.1004.48A	3"	- 48	76,2	3.00	96,0	3.78	5.5	798	22.0	3192	900	36.0	4,96

Note: Size - 48 (3") not included in the standards.

Balflex® hydraulic hose DIN EN 853 2SN / SAE 100R2AT has a very superior working and burst pressure compared with only SAE 100R2AT

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Balflex[®] DIN EN 853 1ST / SAE 100R1A



Balflex[®] ARMORGUARD DIN EN 853 1ST / SAE 100R1A – 10.1001.--A

According to ISO 1436 / DIN EN 853 type 1ST / SAE J517 type SAE 100R1 A

Balflex[®] ARMORGUARD VERY HIGH ABRASION RESISTANCE

THICK COVER - High pressure, single steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil, weather and VERY HIGH abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** Balflex[®] crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	kg/m
10.1001.04A	1/4"	- 4	6,3	0.25	15,5	0.61	22.5	3260	90.0	13040	100	3.94	0,29
10.1001.05A	5/16"	- 5	8,0	0.31	17,1	0.67	21.5	3115	85.0	12460	115	4.53	0,34
10.1001.06A	3/8"	- 6	9,5	0.38	19,4	0.76	18.0	2610	72.0	10440	130	5.12	0,42
10.1001.08A	1/2"	- 8	12,7	0.50	22,6	0.89	16.0	2320	64.0	9280	180	7.09	0,51
10.1001.10A	5/8"	- 10	16,0	0.63	25,8	1.02	13.0	1885	52.0	7540	200	7.87	0,59
10.1001.12A	3/4"	- 12	19,0	0.75	29,8	1.17	10.5	1520	42.0	6080	240	9.45	0,73
10.1001.16A	1"	- 16	25,4	1.00	37,6	1.48	8.8	1275	35.0	5100	300	11.81	1,05
10.1001.20A	1.1/4"	- 20	32,0	1.25	45,0	1.77	6.3	910	25.0	3640	420	16.54	1,36
10.1001.24A	1.1/2"	- 24	38,0	1.50	51,4	2.02	5.0	725	20.0	2900	500	19.68	1,56
10.1001.32A	2"	- 32	50,8	2.00	66,4	2.61	4.0	580	16.0	2320	630	24.80	2,30

Note: usually not available in stock, only by order.

Balflex[®] hydraulic hose DIN EN 853 1ST / SAE 100R1A has a very superior working and burst pressure compared with only SAE 100R1A

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Balflex® DIN EN 853 2ST / SAE 100R2A

Balflex® ARMORGUARD DIN EN 853 2ST / SAE 100R2A – 10.1003.--A

According to ISO 1436 / DIN EN 853 type 2ST / SAE J517 type SAE 100R2 A

Balflex® ARMORGUARD VERY HIGH ABRASION RESISTANCE

THICK COVER - High pressure, double steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** black, oil, weather and VERY HIGH abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1003.04A	1/4"	- 4	6,3	0.25	17,1	0.67	40.0	5800	160.0	23200	100	3.94	0,45
10.1003.05A	5/16"	- 5	8,0	0.31	18,7	0.74	35.0	5075	140.0	20300	115	4.53	0,52
10.1003.06A	3/8"	- 6	9,5	0.38	21,0	0.83	33.0	4785	132.0	19140	130	5.12	0,64
10.1003.08A	1/2"	- 8	12,7	0.50	24,2	0.95	27.5	3985	110.0	15940	180	7.09	0,75
10.1003.10A	5/8"	- 10	16,0	0.63	27,4	1.08	25.0	3625	100.0	14500	200	7.87	0,88
10.1003.12A	3/4"	- 12	19,0	0.75	31,4	1.24	21.5	3120	86.0	12480	240	9.45	1,08
10.1003.16A	1"	- 16	25,4	1.00	39,0	1.54	16.5	2390	65.0	9560	300	11.81	1,46
10.1003.20A	1.1/4"	- 20	32,0	1.25	49,8	1.96	12.5	1810	50.0	7240	420	16.54	2,17
10.1003.24A	1.1/2"	- 24	38,0	1.50	56,2	2.21	9.0	1300	36.0	5200	500	19.69	2,43
10.1003.32A	2"	- 32	50,8	2.00	68,8	2.71	8.0	1160	32.0	4640	630	24.80	3,09

Note: usually not available in stock, only by order.

Balflex® hydraulic hose DIN EN 853 2ST / SAE 100R2A has a very superior working and burst pressure compared with only SAE 100R2A

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Balflex® BALPAC PREMIUM SAE 100R16



Balflex® ARMORGUARD BALPAC PREMIUM SAE 100R16 – 10.1019.--A

According to SAE J517 Norm type / SAE 100R16 / ISO 11237-1 Norm type R16

Balflex® ARMORGUARD VERY HIGH ABRASION RESISTANCE

Exceeds SAE 100R16

Very High pressure, double steel wire braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** black, oil, weather and VERY HIGH abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1019.04A	1/4"	- 4	6,3	0.25	13,3	0.52	40.0	5800	160.0	23200	50	2.0	0,27
10.1019.05A	5/16"	- 5	8,0	0.31	15,0	0.59	35.0	5075	140.0	20300	57	2.2	0,30
10.1019.06A	3/8"	- 6	9,5	0.38	17,1	0.67	33.0	4785	132.0	19140	65	2.6	0,42
10.1019.08A	1/2"	- 8	12,7	0.50	20,6	0.81	27.6	4000	110.4	16000	90	3.5	0,52
10.1019.10A	5/8"	- 10	16,0	0.63	23,7	0.93	25.0	3625	100.0	14500	100	3.9	0,63
10.1019.12A	3/4"	- 12	19,0	0.75	27,7	1.09	21.5	3118	86.0	12472	120	4.7	0,80
10.1019.16A	1"	- 16	25,4	1.00	35,8	1.41	16.5	2393	66.0	9572	150	5.9	1,22

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Balflex® BALPAC 3000 SAE 100R17

Balflex® ARMORGUARD BALPAC 3000 SAE 100R17 – 10.1017.--A

According to SAE J517 Norm type / SAE 100R17 / ISO 11237-1 Norm type R17

Balflex® ARMORGUARD VERY HIGH ABRASION RESISTANCE

High pressure, single or double steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid on sizes 1/4", 5/16", 3/8" and 1/2" and 2 braids on sizes 5/8", 3/4" and 1"
- Outer tube:** black, oil, weather and VERY HIGH abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings series 23 with ferrules series 20.204 (2 wires) & 20.205 (1 wire). Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight Kg./m
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
1 Wire Braid													
10.1017.04A	1/4"	- 4	6,3	0.25	12,7	0.50	22.5	3260	90.0	13040	51	2.0	0.22
10.1017.05A	5/16"	- 5	8,0	0.31	15,0	0.59	21.0	3000	84.0	12000	60	2.4	0.27
10.1017.06A	3/8"	- 6	9,5	0.38	16,5	0.65	21.0	3000	84.0	12000	64	2.5	0.34
10.1017.08A	1/2"	- 8	12,7	0.50	20,8	0.82	21.0	3000	84.0	12000	89	3.5	0.42
2 Wire Braid													
10.1017.10A	5/8"	- 10	15,9	0.63	24,7	0.97	25.0	3625	100.0	14500	102	4.0	0.51
10.1017.12A	3/4"	- 12	19,0	0.75	28,6	1.13	21.5	3120	86.0	12480	122	4.8	0.63
10.1017.16A	1"	- 16	25,4	1.00	36,6	1.48	20.7	3000	82.8	12000	152	6.0	1.00

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Balflex® – The European Technology

Balflex® BALPAC DIN EN 1SC



Balflex® ARMORGUARD BALPAC DIN EN 857 1SC 10.1017.--A / 10.1018.--A

According to ISO 11237-1 Norm type 1SC / DIN EN 857 Norm type 1SC

Balflex® ARMORGUARD VERY HIGH ABRASION RESISTANCE

High pressure, single steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil, weather and VERY HIGH abrasion resistant synthetic rubber
- Safety factor:** 4 : 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings series 23 with ferrules series 20

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight Kg./m
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1017.													
10.1017.04A	1/4"	- 4	6,3	0.25	12,7	0.50	22.5	3260	90.0	13040	51	2.0	0.22
10.1017.05A	5/16"	- 5	8,0	0.31	15,0	0.59	21.0	3000	84.0	12000	60	2.4	0.27
10.1017.06A	3/8"	- 6	9,5	0.38	16,5	0.65	21.0	3000	84.0	12000	64	2.5	0.34
10.1017.08A	1/2"	- 8	12,7	0.50	20,8	0.82	21.0	3000	84.0	12000	89	3.5	0.42
10.1018.													
10.1018.10A	5/8"	- 10	15,9	0.63	23.0	0.90	13.0	1885	52.0	7540	102	4.0	0.51
10.1018.12A	3/4"	- 12	19,0	0.75	26.7	1.05	10.5	1523	42.0	6090	122	4.8	0.63
10.1018.16A	1"	- 16	25,4	1.00	34.9	1.37	8.8	1276	35.2	5104	152	6.0	1.00

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Balflex® BALPAC PREMIUM DIN EN 2SC

Balflex® ARMORGUARD BALPAC PREMIUM DIN EN 857 2SC 10.1019.--A

According to ISO 11237-1 Norm type 2SC / DIN EN 857 Norm type 2SC

Balflex® ARMORGUARD VERY HIGH ABRASION RESISTANCE

High pressure, double steel braid reinforced hydraulic hose



- Inner tube :** seamless oil resistant synthetic rubber
- Reinforcement :** 2 high tensile steel wire braid
- Outer tube :** black, oil, weather and VERY HIGH abrasion resistant synthetic rubber
- Safety factor :** 4 : 1
- Application :** petroleum base hydraulic fluids
- Temperature range :** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings :** Balflex® crimped fittings series 23 with ferrules series 20

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1019.04A	1/4"	- 4	6,3	0.25	13,3	0.52	40.0	5800	160.0	23200	50	2.0	0.27
10.1019.05A	5/16"	- 5	8,0	0.31	15,0	0.59	35.0	5075	140.0	20300	57	2.2	0,30
10.1019.06A	3/8"	- 6	9,5	0.38	17,1	0.67	33.0	4785	132.0	19140	65	2.6	0.42
10.1019.08A	1/2"	- 8	12,7	0.50	20,6	0.81	27.6	4000	110.4	16000	90	3.5	0.52
10.1019.10A	5/8"	- 10	15,9	0.63	23,7	0.93	25.0	3625	100.0	14500	100	3.9	0.63
10.1019.12A	3/4"	- 12	19,0	0.75	27,7	1.09	21.5	3118	86.0	12472	120	4.7	0.80
10.1019.16A	1"	- 16	25,4	1.00	35,8	1.41	16.5	2393	66.0	9572	150	5.9	1.22

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Balflex® BALMASTER SAE 100R12

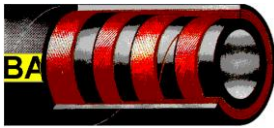


Balflex® ARMORGUARD BALMASTER EN 856 R12 / SAE 100R12 10.1012.--A

According to ISO 3862 / EN 856 type R12 / SAE J517 type SAE 100R12

Balflex® ARMORGUARD VERY HIGH ABRASION RESISTANCE

High pressure, four steel wire spirals reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 4 spirals of high tensile steel wire
- Outer tube:** black, oil, weather and VERY HIGH abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings 23 or 24 series with ferrules 20 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1012.06A	3/8"	- 6	9,5	0.38	20,3	0.80	27.6	4000	110.0	16000	125	5.0	0,80
10.1012.08A	1/2"	- 8	12,7	0.50	23,6	0.93	27.6	4000	110.0	16000	180	7.0	1,15
10.1012.10A	5/8"	- 10	16,0	0.63	27,4	1.08	27.6	4000	110.0	16000	205	8.0	1,26
10.1012.12A	3/4"	- 12	19,0	0.75	30,7	1.21	27.6	4000	110.0	16000	240	9.5	1,44
10.1012.16A	1"	- 16	25,4	1.00	38,1	1.50	27.6	4000	110.0	16000	305	12.0	2,15
10.1012.20A	1.1/4"	- 20	32,0	1.25	47,0	1.85	20.7	3000	82.7	12000	420	16.5	2,75
10.1012.24A	1.1/2"	- 24	38,0	1.50	53,6	2.11	17.2	2500	69.0	10000	510	20.0	3,35
10.1012.32A	2"	- 32	50,8	2.00	66,8	2.63	17.2	2500	69.0	10000	635	25.0	4,60

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Balflex® BALMASTER DIN EN 856 4SP

Balflex® ARMORGUARD BALMASTER EN 856 4SP – 10.1008.--A

According to ISO 3862 / EN 856 type 4SP

Balflex® ARMORGUARD VERY HIGH ABRASION RESISTANCE

Very high pressure, four steel wire spirals reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 4 spirals of high tensile steel wire
- Outer tube:** black, oil, weather and VERY HIGH abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings series 24 with ferrules 20 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1008.04A	1/4"	- 4	6,6	0.26	17,9	0.70	50.0	7250	200.0	29000	120	4.7	0,70
10.1008.06A	3/8"	- 6	9,5	0.38	21,4	0.84	44.5	6453	178.0	25812	130	5.1	0,80
10.1008.08A	1/2"	- 8	12,7	0.50	24,6	0.97	41.5	6018	166.0	24072	180	7.1	1,15
10.1008.10A	5/8"	- 10	16,0	0.63	28,2	1.11	35.0	5075	140.0	20300	225	8.9	1,26
10.1008.12A	3/4"	- 12	19,0	0.75	32,2	1.27	35.0	5075	140.0	20300	280	11.0	1,44
10.1008.16A	1"	- 16	25,4	1.00	39,7	1.56	28.0	4060	112.0	16240	355	14.0	2,15
10.1008.20A	1.1/4"	- 20	32,0	1.25	50,8	2.00	21.0	3045	84.0	12180	460	18.1	2,75
10.1008.24A	1.1/2"	- 24	38,0	1.50	57,2	2.25	18.5	2683	74.0	10732	560	22.0	3,35
10.1008.32A	2"	- 32	50,8	2.00	69,8	2.75	16.5	2393	66.0	9572	710	28.0	4,60

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Balflex® POWERSPIR DIN EN 856 4SH



Balflex® ARMORGUARD POWERSPIR EN 856 4SH – 10.1009.--A

According to ISO 3862 / EN 856 type 4SH

Balflex® ARMORGUARD VERY HIGH ABRASION RESISTANCE

Very high pressure, four steel wire spirals reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 4 spirals of very high tensile steel wire
- Outer tube:** black, oil, weather and VERY HIGH abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**
- Couplings:** Balflex® crimped fittings series 26 with ferrules 20.406. (3/4" and 1") and 20.405. (1.1/4", 1.1/2" and 2") series

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1009.12A	3/4"	- 12	19,0	0.75	32,2	1.27	42.0	6090	168.0	24360	280	11.0	1,56
10.1009.16A	1"	- 16	25,4	1.00	38,7	1.52	38.0	5510	152.0	22040	340	13.4	2,09
10.1009.20A	1.1/4"	- 20	32,0	1.25	45,5	1.79	32.5	4713	130.0	18852	460	18.1	2,57
10.1009.24A	1.1/2"	- 24	38,0	1.50	53,5	2.11	29.0	4205	116.0	16820	560	22.0	3,44
10.1009.32A	2"	- 32	50,8	2.00	68,1	2.68	25.0	3625	100.0	14500	700	27.6	4,90

* On sizes – 12 (3/4") and – 16 (1") the Balflex® POWERSPIR DIN EN 856 4SH and SAE 100R13 hoses are the same. The working pressure of Balflex® POWERSPIR DIN EN 856 4SH SAE 100R13 3/4" and Balflex® POWERSPIR DIN EN 856 4SH SAE 100R13 1" are higher than standard SAE 100R13.

* On size – 12 (3/4") the Balflex® POWERSPIR DIN EN 856 4SH and SAE 100R13 hose are the same

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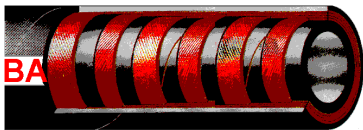
Balflex® POWERSPIR SAE 100R13

Balflex® ARMORGUARD POWERSPIR SAE 100R13 – 5000PSI 10.1009.--A * - 10.1014.--A

According to ISO 3862 / EN 856 type R13 / SAE J517 type R13

Balflex® ARMORGUARD VERY HIGH ABRASION RESISTANCE

Very high pressure, four or six steel wire spirals reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 4 or 6 spirals of high tensile steel wire
- Outer tube:** black, oil, weather and VERY HIGH abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings series 26 with ferrules 20.406 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1009.12A *	3/4"	- 12	19,0	0.75	32,2	1.27	42.0	6090	168.0	24360	280	11.0	1,56
10.1009.16A *	1"	- 16	25,4	1.00	38,7	1.52	38.0	5510	152.0	22040	340	13.4	2,09
10.1014.20A	1.1/4"	- 20	32,0	1.25	49,8	1.96	34.5	5000	138.0	20000	420	16.5	3,90
10.1014.24A	1.1/2"	- 24	38,0	1.50	57,4	2.26	34.5	5000	138.0	20000	500	20.0	4,96
10.1014.32A	2"	- 32	50,8	2.00	71,1	2.80	34.5	5000	138.0	20000	635	25.0	7,09

Note: According to ISO 3862 / EN 856 type R13 / SAE J517 type R13, the Balflex® POWERSPIR SAE 100R13 hose is of 4 steel wire spirals on sizes – 12 (3/4") and – 16 (1") and of 6 steel wire spirals on sizes – 20 (1.1/4"), – 24 (1.1/2") and – 32 (2").

* On sizes – 12 (3/4") and – 16 (1") the Balflex® POWERSPIR DIN EN 856 4SH and SAE 100R13 hoses are the same. The working pressure of Balflex® POWERSPIR DIN EN 856 4SH SAE 100R13 3/4" and Balflex® POWERSPIR DIN EN 856 4SH SAE 100R13 1" are higher than standard SAE 100R13.

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Balflex® POWERSPIR SAE 100R15

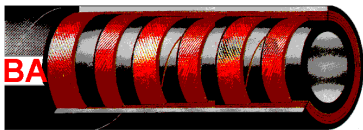


Balflex® ARMORGUARD POWERSPIR SAE 100R15 – 6000PSI 10.1016.--A

According to ISO 3862 / EN 856 type R15 / SAE J517 type R15

Balflex® ARMORGUARD VERY HIGH ABRASION RESISTANCE

Very high pressure, four or six steel wire spirals reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 4 or 6 spirals of high tensile steel wire
- Outer tube:** black, oil, weather and VERY HIGH abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex® crimped fittings series 26 with ferrules 20 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1016.06A	3/8"	- 6	9,5	0.38	23,3	0.92	41.4	6000	165.5	24000	153	6.0	0,75
10.1016.08A	1/2"	- 8	12,7	0.50	26,8	1.06	41.4	6000	165.5	24000	203	8.0	0,89
10.1009.12A*	3/4"	- 12	19,0	0.75	36,1	1.42	41.4	6000	165.5	24000	267	10.5	1,56
10.1016.16A	1"	- 16	25,4	1.00	42,9	1.69	41.4	6000	165.5	24000	330	13.0	2,10
10.1016.20A	1.1/4"	- 20	32,0	1.25	51,5	2.03	41.4	6000	165.5	24000	445	17.5	3,65
10.1016.24A	1.1/2"	- 24	38,0	1.50	59,6	2.32	41.4	6000	165.5	24000	533	21.0	5,00

Note: According to ISO 3862 / EN 856 type R15 / SAE J517 type R15, the Balflex® POWERSPIR SAE 100R15 hose is of 4 steel wire spirals on sizes – 6 (3/8"), 8 (1/2"), – 12 (3/4") and – 16 (1") and of 6 steel wire spirals on sizes – 20 (1.1/4") and – 24 (1.1/2").

According to ISO 3862 / SAE J517 type R15 doesn't exist the size – 32 (2").

* On size – 12 (3/4") the Balflex® POWERSPIR DIN EN 856 4SH and SAE 100R15 hoses are the same

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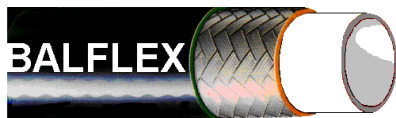


Balflex® EN 855 R7 / SAE 100R7

Balflex® EN 855 R7 / SAE 100R7 – 10.1030.

According to ISO 3949 / EN 855 type R7 / SAE J517 type SAE 100R7

High pressure, synthetic polyester braid reinforced thermoplastic hydraulic hose



- Inner tube:** seamless oil resistant thermoplastic
- Reinforcement:** 1 high tensile polyester braid
- Outer tube:** black, oil and weather resistant thermoplastic
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)
Max. temperature recommended for water base hydraulic fluids: + 65°C (+ 149°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20.107. serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1030.02	1/8"	- 2	3,0	0.12	8,1	0.32	28.0	4060	112.0	16240	50	2.00	0,05
10.1030.03	3/16"	- 3	4,8	0.19	10,3	0.41	21.0	3045	84.0	12180	75	2.95	0,07
10.1030.04	1/4"	- 4	6,3	0.25	12,4	0.49	19.0	2755	76.0	11020	100	3.94	0,09
10.1030.05	5/16"	- 5	8,0	0.31	14,2	0.56	19.0	2755	76.0	11020	114	4.49	0,13
10.1030.06	3/8"	- 6	9,5	0.38	15,7	0.62	16.0	2320	64.0	9280	127	5.00	0,16
10.1030.08	1/2"	- 8	12,7	0.50	19,3	0.76	14.0	2030	56.0	8120	178	7.00	0,22
10.1030.10	5/8"	- 10	16,0	0.63	23,1	0.91	10.5	1523	42.0	6092	203	7.99	0,28
10.1030.12	3/4"	- 12	19,0	0.75	26,4	1.04	9.0	1305	36.0	5220	254	10.00	0,33
10.1030.16	1"	- 16	25,4	1.00	33,3	1.31	7.0	1015	28.0	4060	305	12.00	0,40

Note: Size - 2 (1/8") not included in the standards.

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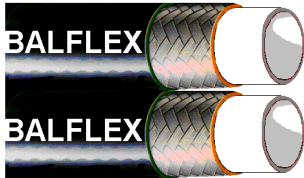
Balflex® EN 855 R7 / SAE 100R7 TWIN



Balflex® EN 855 R7 / SAE 100R7 TWIN – 10.1034.

According to ISO 3949 / EN 855 type R7 / SAE J517 type SAE 100R7

High pressure, synthetic polyester braid reinforced thermoplastic hydraulic twin line hose



- Inner tube:** seamless oil resistant thermoplastic
- Reinforcement:** 1 high tensile polyester braid
- Outer tube:** black, oil and weather resistant thermoplastic
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)
Max. temperature recommended for water base hydraulic fluids: + 65°C (+ 149°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20.107. serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1034.03	3/16"	- 3	4,8	0.19	10,3	0.41	21.0	3045	84.0	12180	75	2.95	0,07
10.1034.04	1/4"	- 4	6,3	0.25	12,4	0.49	19.0	2755	76.0	11020	100	3.94	0,09
10.1034.05	5/16"	- 5	8,0	0.31	14,2	0.56	19.0	2755	76.0	11020	114	4.49	0,13
10.1034.06	3/8"	- 6	9,5	0.38	15,7	0.62	16.0	2320	64.0	9280	127	5.00	0,16
10.1034.08	1/2"	- 8	12,7	0.50	19,3	0.76	14.0	2030	56.0	8120	178	7.00	0,22
10.1034.10	5/8"	- 10	16,0	0.63	23,1	0.91	10.5	1523	42.0	6092	203	7.99	0,28
10.1034.12	3/4"	- 12	19,0	0.75	26,4	1.04	9.0	1305	36.0	5220	254	10.00	0,33
10.1034.16	1"	- 16	25,4	1.00	33,3	1.31	7.0	1015	28.0	4060	305	12.00	0,40

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Balflex® EN 855 R7/SAE 100R7 NONCONDUCTIVE

Balflex® EN 855 R7 / SAE 100R7 NON CONDUCTIVE – 10.1030.L

According to ISO 3949 / EN 855 type R7 / SAE J517 type SAE 100R7

High pressure, synthetic fiber braid reinforced thermoplastic NON CONDUCTIVE hydraulic hose



- Inner tube:** seamless oil resistant thermoplastic
- Reinforcement:** 1 high tensile polyester braid
- Outer tube:** orange, oil and weather resistant polyurethane
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)
Max. temperature recommended for water base hydraulic fluids: + 65°C (+ 149°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20.107. serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1030.02L	1/8"	- 2	3,0	0.12	8,1	0.32	28.0	4060	112.0	16240	50	2.00	0,05
10.1030.03L	3/16"	- 3	4,8	0.19	10,3	0.41	21.0	3045	84.0	12180	75	2.95	0,07
10.1030.04L	1/4"	- 4	6,3	0.25	12,4	0.49	19.0	2755	76.0	11020	100	3.94	0,09
10.1030.05L	5/16"	- 5	8,0	0.31	14,2	0.56	19.0	2755	76.0	11020	114	4.49	0,13
10.1030.06L	3/8"	- 6	9,5	0.38	15,7	0.62	16.0	2320	64.0	9280	127	5.00	0,16
10.1030.08L	1/2"	- 8	12,7	0.50	19,3	0.76	14.0	2030	56.0	8120	178	7.00	0,22
10.1030.10L	5/8"	- 10	16,0	0.63	23,1	0.91	10.5	1523	42.0	6092	203	7.99	0,28
10.1030.12L	3/4"	- 12	19,0	0.75	26,4	1.04	9.0	1305	36.0	5220	254	10.00	0,33
10.1030.16L	1"	- 16	25,4	1.00	33,3	1.31	7.0	1015	28.0	4060	305	12.00	0,40

Note: Size - 2 (1/8") not included in the standards.

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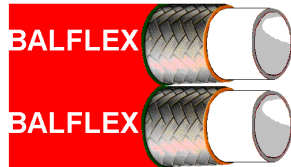
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Balflex® EN 855 R7 / SAE 100R7 NON CONDUCTIVE TWIN – 10.1034.L

According to ISO 3949 / EN 855 type R7 / SAE J517 type SAE 100R7

High pressure, synthetic fiber braid reinforced thermoplastic NON CONDUCTIVE hydraulic twin line hose



- Inner tube:** seamless oil resistant thermoplastic
- Reinforcement:** 1 high tensile polyester braid
- Outer tube:** orange, oil and weather resistant polyurethane
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)
Max. temperature recommended for water base hydraulic fluids: + 65°C (+ 149°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20.107. serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1034.03L	3/16"	- 3	4,8	0.19	10,3	0.41	21.0	3045	84.0	12180	75	2.95	0,07
10.1034.04L	1/4"	- 4	6,3	0.25	12,4	0.49	19.0	2755	76.0	11020	100	3.94	0,09
10.1034.05L	5/16"	- 5	8,0	0.31	14,2	0.56	19.0	2755	76.0	11020	114	4.49	0,13
10.1034.06L	3/8"	- 6	9,5	0.38	15,7	0.62	16.0	2320	64.0	9280	127	5.00	0,16
10.1034.08L	1/2"	- 8	12,7	0.50	19,3	0.76	14.0	2030	56.0	8120	178	7.00	0,22
10.1034.10L	5/8"	- 10	16,0	0.63	23,1	0.91	10.5	1523	42.0	6092	203	7.99	0,28
10.1034.12L	3/4"	- 12	19,0	0.75	26,4	1.04	9.0	1305	36.0	5220	254	10.00	0,33
10.1034.16L	1"	- 16	25,4	1.00	33,3	1.31	7.0	1015	28.0	4060	305	12.00	0,40

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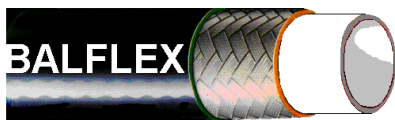
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Balflex® R7 SteelFlex

Balflex® R7 SteelFlex – 10.1031.

High pressure, wire steel braid reinforced thermoplastic hydraulic hose



- Inner tube:** seamless oil resistant thermoplastic
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil and weather resistant thermoplastic
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)
Max. temperature recommended for water base hydraulic fluids: + 65°C (+ 149°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20.107. serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1031.02	1/8"	- 2	3,0	0.12	6,9	0.27	35.0	5075	140.0	20300	25	1.00	0,10
10.1031.03	3/16"	- 3	4,8	0.19	10,0	0.39	30.0	4350	120.0	17400	30	1.18	0,13
10.1031.04	1/4"	- 4	6,3	0.25	11,9	0.47	27.5	3988	110.0	15952	40	1.57	0,17
10.1031.05	5/16"	- 5	8,0	0.31	14,0	0.55	24.0	3480	96.0	13920	50	1.96	0,22
10.1031.06	3/8"	- 6	9,5	0.38	16,0	0.63	22.0	3190	88.0	12790	60	2.36	0,26
10.1031.08	1/2"	- 8	12,7	0.50	20,5	0.81	17.5	2538	70.0	10152	75	2.95	0,39
10.1031.10	5/8"	- 10	16,0	0.63	23,3	0.92	14.0	2030	56.0	8120	110	4.33	0,41
10.1031.12	3/4"	- 12	19,0	0.75	25,0	0.98	11.5	1668	46.0	6672	150	5.90	0,45
10.1031.16	1"	- 16	25,4	1.00	32,5	1.28	10.0	1450	40.0	5800	230	9.06	0,62

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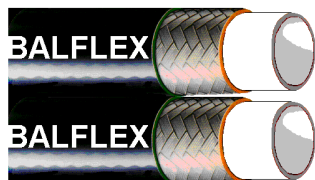
Balflex® – The European Technology

Balflex® R7 SteelFlex Twin



Balflex® R7 SteelFlex TWIN – 10.1035.

High pressure, wire steel braid reinforced thermoplastic hydraulic twin line hose



- Inner tube:** seamless oil resistant thermoplastic
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil and weather resistant thermoplastic
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)
Max. temperature recommended for water base hydraulic fluids: **+ 65°C (+ 149°F)**
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20.107. serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1035.03	3/16"	- 3	4,8	0.19	10,0	0.39	30.0	4350	120.0	17400	30	1.18	0,13
10.1035.04	1/4"	- 4	6,3	0.25	11,9	0.47	27.5	3988	110.0	15952	40	1.57	0,17
10.1035.05	5/16"	- 5	8,0	0.31	14,0	0.55	24.0	3480	96.0	13920	50	1.96	0,22
10.1035.06	3/8"	- 6	9,5	0.38	16,0	0.63	22.0	3190	88.0	12790	60	2.36	0,26
10.1035.08	1/2"	- 8	12,7	0.50	20,5	0.81	17.5	2538	70.0	10152	75	2.95	0,39
10.1035.10	5/8"	- 10	16,0	0.63	23,3	0.92	14.0	2030	56.0	8120	110	4.33	0,41
10.1035.12	3/4"	- 12	19,0	0.75	25,0	0.98	11.5	1668	46.0	6672	150	5.90	0,45
10.1035.16	1"	- 16	25,4	1.00	32,5	1.28	10.0	1450	40.0	5800	230	9.06	0,62

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Balflex® EN 855 R8 / SAE 100R8

Balflex® EN 855 R8 / SAE 100R8 – 10.1032.

According to ISO 3949 / EN 855 type R8 / SAE J517 type SAE 100R8

High pressure, double polyester braid reinforced thermoplastic hydraulic hose



- Inner tube:** seamless oil resistant thermoplastic
- Reinforcement:** 2 high tensile polyester braids
- Outer tube:** black, oil and weather resistant thermoplastic
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)
Max. temperature recommended for water base hydraulic fluids: **+ 65°C (+ 149°F)**
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1032.03	3/16"	- 3	4,8	0.19	12,4	0.49	35.0	5075	140.0	20300	35	1.38	0,09
10.1032.04	1/4"	- 4	6,3	0.25	16,1	0.63	35.0	5075	140.0	20300	50	1.96	0,10
10.1032.05	5/16"	- 5	8,0	0.31	16,7	0.66	29.0	4205	116.0	16820	60	2.36	0,13
10.1032.06	3/8"	- 6	9,5	0.38	18,5	0.73	28.0	4060	112.0	16240	80	3.15	0,18
10.1032.08	1/2"	- 8	12,7	0.50	22,6	0.89	24.5	3553	98.0	14212	95	3.74	0,22
10.1032.10	5/8"	- 10	16,0	0.63	25,6	1.01	19.0	2755	76.0	11020	125	4.92	0,31
10.1032.12	3/4"	- 12	19,0	0.75	28,9	1.14	15.5	2250	62.0	9000	150	5.90	0,36
10.1032.16	1"	- 16	25,4	1.00	36,1	1.42	14.0	2030	56.0	8120	200	7.87	0,51

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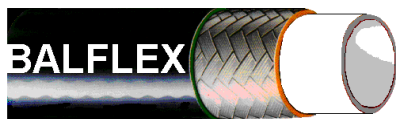
Balflex® EN 855 R8 / SAE 100R8



Balflex® EN 855 R8 / SAE 100R8 – 10.1033.

According to ISO 3949 / EN 855 type R8 / SAE J517 type SAE 100R8

High pressure, single aramidic braid reinforced thermoplastic hydraulic hose

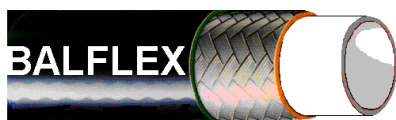


- Inner tube:** seamless oil resistant thermoplastic
- Reinforcement:** 1 high tensile aramidic fiber braid
- Outer tube:** black, oil and weather resistant thermoplastic
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)
Max. temperature recommended for water base hydraulic fluids: + 65°C (+ 149°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1033.03	3/16"	- 3	4,8	0.19	10,3	0.41	35.0	5075	140.0	20300	35	1.38	0,09
10.1033.04	1/4"	- 4	6,3	0.25	11,7	0.46	35.0	5075	140.0	20300	50	1.96	0,10
10.1033.05	5/16"	- 5	8,0	0.31	14,2	0.55	30.0	4350	120.0	17400	60	2.36	0,13
10.1033.06	3/8"	- 6	9,5	0.38	15,7	0.62	28.0	4060	112.0	16240	80	3.15	0,18
10.1033.08	1/2"	- 8	12,7	0.50	19,3	0.76	24.5	3553	98.0	14212	95	3.74	0,22
10.1033.10	5/8"	- 10	16,0	0.63	23,1	0.91	20.0	2900	80.0	11600	125	4.92	0,31
10.1033.12	3/4"	- 12	19,0	0.75	26,4	1.04	16.5	2393	66.0	9572	150	5.90	0,36
10.1033.16	1"	- 16	25,4	1.00	33,3	1.31	14.0	2030	56.0	8120	200	7.87	0,51

Balflex® Ultraflex R9 – 10.1038.

High pressure, single aramidic braid reinforced thermoplastic hydraulic hose



- Inner tube:** seamless oil resistant thermoplastic
- Reinforcement:** 1 high tensile aramidic fiber braid
- Outer tube:** black, oil and weather resistant thermoplastic
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)
Max. temperature recommended for water base hydraulic fluids: + 65°C (+ 149°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules 20 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1038.06	3/8"	- 6	9,5	0.38	16,0	0.63	38.0	5510	152.0	22040	80	3.15	0,18
10.1038.08	1/2"	- 8	12,7	0.50	20,3	0.80	34.5	5000	138.0	20000	95	3.74	0,22

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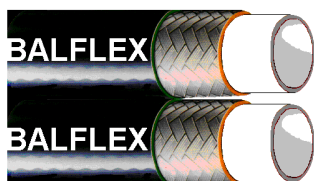


Balflex® EN 855 R8 / SAE 100R8 TWIN

Balflex® EN 855 R8 / SAE 100R8 TWIN – 10.1036.

According to ISO 3949 / EN 855 type R8 / SAE J517 type SAE 100R8

High pressure, single aramidic braid reinforced thermoplastic hydraulic twin line hose



Inner tube: seamless oil resistant thermoplastic
Reinforcement: 1 high tensile aramidic fiber braid
Outer tube: black, oil and weather resistant thermoplastic
Safety factor: 4: 1

Application: petroleum base hydraulic fluids
Temperature range: - 40°C (- 40°F) + 100°C (+ 212°F)
Max. temperature recommended for water base hydraulic fluids: + 65°C (+ 149°F)

Couplings: Balflex® crimped fittings 23 serie with ferrules 20 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1036.03	3/16"	- 3	4,8	0.19	10,3	0.41	35.0	5075	140.0	20300	35	1.38	0,18
10.1036.04	1/4"	- 4	6,3	0.25	12,4	0.49	35.0	5075	140.0	20300	50	1.96	0,20
10.1036.05	5/16"	- 5	8,0	0.31	14,2	0.55	30.0	4350	120.0	17400	60	2.36	0,26
10.1036.06	3/8"	- 6	9,5	0.38	15,7	0.62	28.0	4060	112.0	16240	80	3.15	0,36
10.1036.08	1/2"	- 8	12,7	0.50	19,3	0.76	24.5	3553	98.0	14212	95	3.74	0,44
10.1036.10	5/8"	- 10	16,0	0.63	23,1	0.91	20.0	2900	80.0	11600	125	4.92	0,62
10.1036.12	3/4"	- 12	19,0	0.75	26,4	1.04	16.5	2393	66.0	9572	150	5.90	0,72
10.1036.16	1"	- 16	25,4	1.00	33,3	1.31	14.0	2030	56.0	8120	200	7.87	1,02

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Balflex[®] Flat HDPE Spring Guard



Balflex[®] HYDRAULIC AND INDUSTRIAL HOSE FLAT GUARD – 11.103.

High Density Polyethylene Protection Spring Guard



- Raw Material** : high density polyethylene resistant to abrasion and UV rays
Color : black or yellow
Temperature range : - 20°C (- 4°F) + 95°C (- 203°F)
Application : protection of external rubber layer of hydraulic and industrial hoses, against the early wearing due to abrasion

Part number	Ø nom
	mm
11.103.012	12
11.103.013	13
11.103.016	16
11.103.020	20
11.103.024	24
11.103.025	25
11.103.027	27
11.103.030	30
11.103.032	32
11.103.035	35
11.103.044	44
11.103.050	50
11.103.055	55
11.103.070	70
11.103.100	100

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Balflex[®] – The European Technology



Balflex® Nylon Protective Guard

Balflex® Nylon Protective Guard

Textile Hose Protection Guard

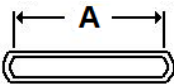
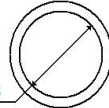


Easy-to-install, textile protection guard

When used in hoses, protective guard protects people nearby a breaking hose and meets the requirements of standards EN 12999 and EN ISO 3457.

The recommended temperature range is - 40°C (- 40°F) + 80°C(+ 176°F) UV-protected and has a very low conductivity of electricity.

Abrasion resistance very good.

		
Balflex® Part Number	Flat I.D. (mm)	Round I.D. (mm)
11.400.027	27	17
11.400.031	31	20
11.400.036	36	23
11.400.039	39	25
11.400.042	42	27
11.400.049	49	31
11.400.050	52	33
11.400.054	54	36
11.400.063	63	40
11.400.069	69	44
11.400.074	74	47
11.400.083	83	53
11.400.086	86	55
11.400.094	94	60
11.400.104	104	66
11.400.115	115	73
11.400.146	146	93
11.400.176	176	112
11.400.202	202	127

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Balflex® – The European Technology

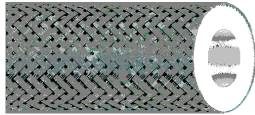
Balflex® Balfilon SAE 100R14



Balflex® BALFLON SAE 100R14 – AMERICAN SIZE – 10.2000.

According to SAE J517 type SAE 100R14 A

High pressure, single steel wire reinforced hydraulic hose with smooth PTFE lining



- Inner tube:** seamless smooth polytetrafluorethylene (PTFE)
- Cover:** 1 stainless steel wire braid
- Safety factor:** 4: 1
- Application:** water base, petroleum base or synthetic base hydraulic fluids, corrosive, food liquids and high temperature gases and liquids.
- Temperature range:** - 50°C (- 58°F) + 200°C (+ 392°F)
- Couplings:** Balflex® crimped fittings 23 serie with ferrules series 20.107.

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.2001.03	1/8"	- 3	3,2	0.13	6,3	0.25	27.5	3900	110.0	15600	40	1.57	0,07
10.2000.04	3/16"	- 4	4,8	0.19	7,6	0.30	19.0	2755	76.0	11020	55	1.97	0,07
10.2000.05	1/4"	- 5	6,3	0.25	8,8	0.35	18.0	2610	72.0	10440	75	2.95	0,09
10.2000.06	5/16"	- 6	8,0	0.31	11,0	0.43	17.5	2538	70.0	10152	100	3.94	0,13
10.2000.08	13/32"	- 8	10,3	0.41	13,0	0.51	14.2	2059	56.8	8236	120	4.72	0,16
10.2000.10	1/2"	- 10	12,7	0.50	15,7	0.62	12.0	1740	48.0	6960	140	5.51	0,21
10.2000.12	5/8"	- 12	16,0	0.63	19,3	0.76	10.5	1523	42.0	6092	165	6.50	0,26
10.2000.16	7/8"	- 16	22,0	0.88	26,1	1.03	6.8	970	27.2	3880	240	9.45	0,36
10.2000.20	1.1/8"	- 20	28,6	1.13	32,6	1.28	4.4	638	17.6	2552	330	13.0	0,53

Balflex® BALFLON SAE 100R14 – EUROPEAN SIZE – 10.2003.

According to SAE J517 type SAE 100R14 A

- Inner tube:** seamless smooth polytetrafluorethylene (PTFE)
- Cover:** 1 stainless steel wire braid
- Safety factor:** 4: 1
- Application:** water base, petroleum base or synthetic base hydraulic fluids, corrosive, food liquids and high temperature gases and liquids.
- Temperature range:** - 50°C (- 58°F) + 200°C (+ 392°F)
- Couplings:** Balflex® crimped fittings series 23 with ferrules series 20.107.

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.2001.02	1/8"	- 2	3,2	0.13	6,3	0.25	27.5	3900	110.0	15600	40	1.57	0,07
10.2003.03	3/16"	- 3	4,8	0.19	7,6	0.30	19.0	2755	76.0	11020	55	1.97	0,07
10.2003.04	1/4"	- 4	6,3	0.25	8,8	0.35	18.0	2610	72.0	10440	75	2.95	0,09
10.2003.05	5/16"	- 5	8,0	0.31	11,0	0.43	17.5	2538	70.0	10152	100	3.94	0,13
10.2003.06	3/8"	- 6	9,5	0.38	12,1	0.48	16.5	2393	66.0	9572	110	4.33	0,15
10.2003.08	1/2"	- 8	12,7	0.50	15,7	0.62	12.0	1740	48.0	6960	140	5.51	0,21
10.2003.10	5/8"	- 10	16,0	0.63	19,3	0.76	10.5	1523	42.0	6092	165	6.50	0,26
10.2003.12	3/4"	- 12	19,0	0.75	22,2	0.87	8.6	1247	34.4	4988	200	7.87	0,32
10.2003.16	1"	- 16	25,4	1.00	29,1	1.15	6.0	870	24.0	3480	300	11.8	0,45

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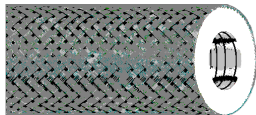
Balflex® – The European Technology



Balflex® Balfon Corrugated PTFE

Balflex® BALFLON CORRUGATED – 10.2010.

High pressure, single Stainless Steel wire braid reinforced corrugated PTFE hose



Inner tube: seamless corrugated polytetrafluorethylene (PTFE)

Cover: 1 stainless steel wire braid

Safety factor: 4: 1

Application: water base, petroleum base, corrosive and high temperature gases or fluids

Temperature range: - 50°C (- 58°F) + 200°C (+ 392°F)

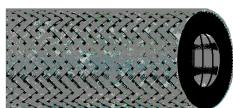
part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.2010.06	3/8"	- 6	10,0	0.39	15,0	0.59	12.0	1740	48.0	6960	20	0.79	0,13
10.2010.08	1/2"	- 8	13,0	0.51	18,0	0.71	11.0	1595	44.0	6380	25	0.98	0,15
10.2010.10	5/8"	- 10	16,0	0.63	22,0	0.87	8.0	1160	32.0	4640	50	1.97	0,16
10.2010.12	3/4"	- 12	19,5	0.77	26,0	1.02	7.0	1015	28.0	4060	65	2.56	0,21
10.2010.16	1"	- 16	25,5	1.00	33,0	1.30	5.0	725	20.0	2900	89	3.50	0,26
10.2010.20	1.1/4"	- 20	31,5	1.24	38,0	1.50	4.5	653	18.0	2610	110	4.33	0,32
10.2010.24	1.1/2"	- 24	37,5	1.48	44,5	1.75	4.0	580	16.0	2320	120	4.72	0,36
10.2010.32	2"	- 32	50,5	1.99	57,0	2.24	3.0	435	14.0	2030	120	4.72	0,45



Balflex® Black Balfon Corrugated PTFE

Balflex® BLACK CONDUCTIVE BALFLON CORRUGATED – 10.2010.--B

High pressure, single Stainless Steel wire braid reinforced black conductive corrugated PTFE hose



Inner tube: seamless black conductive corrugated polytetrafluorethylene (PTFE)

Cover: 1 high resistance stainless steel wire braid

Safety factor: 4: 1

Application: water base, petroleum base, corrosive and high temperature gases or fluids

Temperature range: - 50°C (- 58°F) + 200°C (+ 392°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.2010.06B	3/8"	- 6	10,0	0.39	15,0	0.59	12.0	1740	48.0	6960	20	0.79	0,13
10.2010.08B	1/2"	- 8	13,0	0.51	18,0	0.71	11.0	1595	44.0	6380	25	0.98	0,15
10.2010.10B	5/8"	- 10	16,0	0.63	22,0	0.87	8.0	1160	32.0	4640	50	1.97	0,16
10.2010.12B	3/4"	- 12	19,5	0.77	26,0	1.02	7.0	1015	28.0	4060	65	2.56	0,21
10.2010.16B	1"	- 16	25,5	1.00	33,0	1.30	5.0	725	20.0	2900	89	3.50	0,26
10.2010.20B	1.1/4"	- 20	31,5	1.24	38,0	1.50	4.5	653	18.0	2610	110	4.33	0,32
10.2010.24B	1.1/2"	- 24	37,5	1.48	44,5	1.75	4.0	580	16.0	2320	120	4.72	0,36
10.2010.32B	2"	- 32	50,5	1.99	57,0	2.24	3.0	435	14.0	2030	120	4.72	0,45

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FLUID COMPATIBILITY AND RESISTANCE CHART



RECOMMENDED



RECOMMENDED WITH RESTRICTIONS



NOT RECOMMENDED

Fluids	Hose Types			
	SAE 100R6 / DIN 1TE DIN 2TE SAE 100R3 / DIN 3TE SAE 100R1AT / DIN 1SN SAE 100R2AT / DIN 2SN SAE 100R17 DIN EN 857 1SC DIN EN 857 2SC SAE 100R5 2-MAX JACK 3-MAX	SAE 100R12 DIN EN 856 4SP DIN EN 856 4SH SAE 100R13 SAE 100R15	SAE 100R7 R7 NON CONDUCTIVE SAE 1007 STEELFLEX SAE 100R8	BALFLON
Acetic Acid				
Acetic Acid (30%)				
Acetone				
Acetylene				
Ammonia, Gas (Hot)				
Ammonia, Liquid				
Ammoniumchloride				
Amyl Acetate				
Aniline				
Animal Oils				
Benzol / Benzene				
Butane				
Butyl Acetate				
Butyl Alcohol / Butanol				
Calcium Chloride Solutions				
Carbon Dioxide				
Carbon Disulfide				
Carbonates				
Caustic Soda				
Chlorinated Solvents				
Chlorine				
Chloroform				

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


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FLUID COMPATIBILITY AND RESISTANCE CHART

 **RECOMMENDED**
  **RECOMMENDED WITH RESTRICTIONS**
  **NOT RECOMMENDED**

Fluids	Hose Types				
	SAE 100R6 / DIN 1TE DIN 2TE SAE 100R3 / DIN 3TE SAE 100R1AT / DIN 1SN SAE 100R2AT / DIN 2SN SAE 100R17 DIN EN 857 1SC DIN EN 857 2SC SAE 100R5 2-MAX JACK 3-MAX	SAE 100R12 DIN EN 856 4SP DIN EN 856 4SH SAE 100R13 SAE 100R15	SAE 100R7 R7 NON CONDUCTIVE SAE 1007 STEELFLEX SAE 100R8	BALFLON	
Citric and Solutions					
Compressed Air					
Cyclohexane					
Crude Petroleum Oil					
Diocetyl Phthalate					
Diesel Fuel					
Ethers					
Ethyl Acetate					
Ethyl Alcohol					
Ethyl Chloride					
Ethyl Glycol					
Ethyleneoxide					
Fluorine					
Formaldehyde					
Formaldehyde 40%					
Fuel Oil					
Gaseous Hydrogen					
Gasoline					
Glycerin / Glycerol					
Glycol to 66° C					
Hexane					
Hydraulic Oil					

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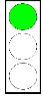
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FLUID COMPATIBILITY AND RESISTANCE CHART



RECOMMENDED



RECOMMENDED WITH RESTRICTIONS



NOT RECOMMENDED

Fluids	Hose Types				
	SAE 100R6 / DIN 1TE DIN 2TE SAE 100R3 / DIN 3TE SAE 100R1AT / DIN 1SN SAE 100R2AT / DIN 2SN SAE 100R17 DIN EN 857 1SC DIN EN 857 2SC SAE 100R5 2-MAX JACK 3-MAX		SAE 100R12 DIN EN 856 4SP DIN EN 856 4SH SAE 100R13 SAE 100R15	SAE 100R7 R7 NON CONDUCTIVE SAE 1007 STEELFLEX SAE 100R8	BALFLON
Hydrochloric Acid 37%					
Hydroger Peroxide (Dil.)					
Hydroger Peroxide (Conc.)					
Isocyanates					
Isopropil Alcohol					
Kerosene					
Liquid Oxygen					
LPG					
Lubricating Oils					
Mercury					
Methyl Alcohol / Methanol					
Methyl Chloride (Cold)					
Methyl Ethyl Khetone					
Mineral Oils					
Naphtha					
Naphthalene					
Natural Gas					
Nitric Acid (Dil.)					
Nitric Acid (Conc.)					
Nitrobenzen					
Oil of Turpentine					
Oleic Acid					

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FLUID COMPATIBILITY AND RESISTANCE CHART



RECOMMENDED



RECOMMENDED WITH RESTRICTIONS



NOT RECOMMENDED

Fluids	Hose Types				
	SAE 100R6 / DIN 1TE DIN 2TE SAE 100R3 / DIN 3TE SAE 100R1AT / DIN 1SN SAE 100R2AT / DIN 2SN SAE 100R17 DIN EN 857 1SC DIN EN 857 2SC SAE 100R5 2-MAX JACK 3-MAX	SAE 100R12 DIN EN 856 4SP DIN EN 856 4SH SAE 100R13 SAE 100R15	SAE 100R7 R7 NON CONDUCTIVE SAE 1007 STEELFLEX SAE 100R8	BALFLON	
Oxalic Acid					
Perchloroethylene					
Phenol					
Phosphoric Acid (10%)					
Phosphoric Acid (70%)					
Phosphate Ester Base Oil					
Saturated Steam					
Sea Water					
Silicone Oils					
Soap Solutions					
Soda					
Sodium Chloride Solutions					
Sodium Hydroxide 20%					
Sodium Hypochloride 10%					
Sulphur					
Sulphur Dioxide					
Sulphuric Acid up to 50%					
Sulphuric Acid above 50%					
Toluene					
Trichloroethylene					
Vegetable Greases					
Water					
Xylene					

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Balflex[®] PU and PA6 Tubing

Balflex[®] Tubing are produced to Balflex[®] specifications and according to international standards, covering a wide variety of applications, with best chosen high quality grade polymers, for a extensive range of applications.

The Balflex[®] Tubing range in this catalogue includes:

- Balflex[®] PU Tubing (Blue Color) - I.D. mm – **12.2020.**
- Balflex[®] PU Tubing (Blue Color) - I.D. inch – **12.2030.**
- Balflex[®] PA6 Tubing (Black Color) - I.D. mm – **12.2000.**
- Balflex[®] PA6 Tubing (Black Color) - I.D. inch – **12.2010.**

General Guidelines

Balflex[®] PU Tubing or Polyurethane Tubing is suitable for pneumatic uses where low temperatures or tight bend radius rule out the more traditional nylon tubing. Blue polyurethane tubing is capable of withstanding higher pressure than the standard version and in addition it has increased shock absorbencies capacity and does not work harden.

Balflex[®] PA6 Tubing is suitable for automation, tooling, instrumentation, pneumatics, lubricating and low pressure hydraulic lines.

Balflex[®] Tubing Cutter – 90.TUBCUT

Tubing Cutter for making a perfect cut of all PU and PA6 tubing



Balflex Part. Number: **90.TUBCUT**

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Balflex® PU-PA Tubing

Balflex® PU Tubing – 12.2020 / 2030

Pu Tubing for automation, robotics, tooling, pneumatics and low pressure hydraulic systems



POLYURETHANE TUBING (98 Shore A) – Blue Color

mm SIZE

Part. Number	External Diameter		Inner Diameter		Wall Thickness		Working Pressure		Coil Length
	mm	inch.	mm	inch.	mm	inch.	MPa	PSI	meter
12.2020.040	4,0	0.16	2,4	0.09	0,8	0.03	1.2	174	100
12.2020.044	4,4	0.17	2,8	0.11	0,8	0.03	1.2	174	100
12.2020.050	5,0	0.20	3,0	0.12	1,0	0.04	1.2	174	100
12.2020.060	6,0	0.24	4,4	0.17	0,8	0.03	0.6	87	100
12.2020.061	6,0	0.24	4,0	0.16	1,0	0.04	1.0	145	100
12.2020.080	8,0	0.32	6,0	0.24	1,0	0.04	0.6	87	100
12.2020.081	8,0	0.32	5,5	0.22	1,25	0.05	1.0	145	100
12.2020.082	8,0	0.32	5,0	0.20	1,5	0.06	1.2	174	100
12.2020.083	8,3	0.33	5,7	0.22	1,3	0.05	1.0	145	100
12.2020.100	10,0	0.39	7,5	0.30	1,25	0.05	0.6	87	100
12.2020.101	10,0	0.39	7,0	0.28	1,5	0.06	1.0	145	100
12.2020.120	12,0	0.47	9,0	0.35	1,5	0.06	0.6	87	50
12.2020.121	12,0	0.47	8,0	0.31	2,0	0.08	1.0	145	50
12.2020.140	14,0	0.55	11,0	0.43	1,5	0.06	0.5	72.5	50
12.2020.141	14,0	0.55	10,0	0.39	2,0	0.08	0.8	116	50
12.2020.160	16,0	0.63	12,0	0.47	2,0	0.08	0.8	116	50
12.2020.180	18,0	0.71	13,0	0.51	2,5	0.10	0.8	116	50



inch SIZE

Part. Number	External Diameter		Inner Diameter		Wall Thickness		Working Pressure		Coil Length
	inch.	mm	inch.	mm	inch.	mm	MPa	PSI	meter
12.2030.02	1/8"	3,20	0.063	1,60	0.031	0,8	1.2	174	100
12.2030.03	3/16"	4,75	0.124	3,15	0.031	0,8	1.0	145	100
12.2030.04	1/4"	6,35	0.171	4,35	0.039	1,0	1.0	145	100
12.2030.06	3/8"	9,52	0.257	6,52	0.059	1,5	1.0	145	100
12.2030.08	1/2"	12,70	0.382	9,70	0.059	1,5	1.0	145	50

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Balflex® – The European Technology



Balflex® PA6 Tubing – 12.2000 / 2010

PA6 Tubing for automation, tooling, instrumentation, pneumatics, lubricating and low pressure hydraulic lines



PA6 TUBING – Black Color

According to DIN 73378

mm SIZE

Part. Number	External Diameter		Inner Diameter		Wall Thickness		Working Pressure		Coil Length
	mm	inch.	mm	inch.	mm	inch.	MPa	PSI	meter
12.2000.040	4,0	0.16	2,4	0.09	0,8	0.03	3.1	450	100
12.2000.060	6,0	0.24	4,0	0.16	1,0	0.04	2.7	392	100
12.2000.080	8,0	0.31	6,0	0.24	1,0	0.04	1.9	276	100
12.2000.100	10,0	0.39	7,0	0.28	1,5	0.06	2.3	334	100
12.2000.110	11,0	0.43	8,0	0.31	1,5	0.06	2.1	305	100
12.2000.120	12,0	0.47	9,0	0.35	1,5	0.06	1.9	276	100
12.2000.140	14,0	0.55	10,4	0.41	1,8	0.07	1.8	261	50
12.2000.150	15,0	0.59	11,4	0.45	1,8	0.07	1.7	247	50
12.2000.160	16,0	0.63	12,4	0.49	1,8	0.07	1.6	232	50



inch SIZE

Part. Number	External Diameter		Inner Diameter		Wall Thickness		Working Pressure		Coil Length
	inch.	mm	inch.	mm	inch.	mm	MPa	PSI	meter
12.2010.02	1/8"	3,20	0.063	1,60	0.031	0,8	5.0	725	100
12.2010.03	3/16"	4,75	0.124	3,15	0.031	0,8	2.7	392	100
12.2010.04	1/4"	6,35	0.171	4,35	0.039	1,0	2.4	348	100
12.2010.06	3/8"	9,52	0.257	6,52	0.059	1,5	2.4	348	100
12.2010.08	1/2"	12,70	0.382	9,70	0.059	1,5	1.7	247	100

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Balflex® – The European Technology



Balflex® Industrial Hoses

Balflex® industrial hoses are produced to **Balflex®** specifications and according to international standards, covering a wide variety of applications, with best chosen high quality grade polymers, with synthetic fibers or steel wire reinforcements, for a wide range of fluids and temperatures.



Balflex® optimized the production of these hoses and their compatibility with a wide range of connectors, in order to assure the highest performance and the most extensive range of applications:

The **Balflex®** industrial hose program includes:

- > Long length textile Industrial Hoses
- > Mandrel built Industrial Hoses
- > Thermoplastic Industrial Hoses
- > Thermoplastic steel spiral Spirjet Hoses
- > Steel wire Industrial Hoses
- > High pressure steel spiral Waterbast Hoses

General Guidelines

Balflex® industrial hoses are designed with different safety factors (the ratio relating minimum burst pressure and recommended working pressure), according to the relevant in the application field. Working pressure and nominal diameter are always branded on the hose, except on hoses with external steel braid. Industrial hoses are designed for a variety of fluids and granulates applications with different temperature ranges. Special rubber compounds and lining materials allow exceeding ambient temperatures.

The following catalogue pages list the compatibility of the hose for different applications, working and minimum burst pressure, diameters, minimum bend radius and working temperature range. For additional data please consult our technical department.

Selection, assembly and installation of industrial hoses should follow **Balflex®** recommendations and the applicable field standards. **Industrial hose assemblies should always be inspected and hydrostatically tested before installation.** All systems where new hoses have been installed should be tested against leakage and malfunction in an appropriate area.

Installations that not comply with an adequate geometry of the hose assembly may reduce significantly the life of the hose. Likewise, the use of wrongly dimensioned hoses or application in a system whose working characteristics exceed the hose specifications may shorten drastically the hose life.

The failure of an industrial hose assembly may be dangerous and expose people and property to irreversible damage. Among other occurrences that must be prevented are the high velocity and high temperature projection of conveyed fluid or granulate, the projection of couplings and it's parts, the whipping of unrestrained hose, spillage or combustion of the fluid or granulate and electrical shocks through contact with electrical sources.

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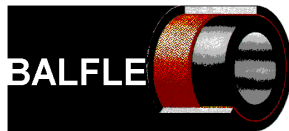
Balflex® AIRMASTER Air & Water 300PSI



Balflex® AIRMASTER AIR & WATER – 10.1232.

Exceeds ISO 2398 / BS 5118 type 2

Air & Water 2.0MPa / 300PSI (100% rubber hose)



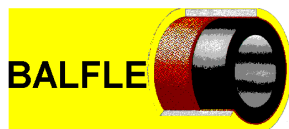
Inner tube: seamless air and water resistant synthetic rubber
Reinforcement: 1 high resistance synthetic fiber braid
Outer tube: black, weather and abrasion resistant synthetic rubber
Safety factor: 3: 1
Application: heavy works on mining, construction, steel plants, quarries and air compressors
Temperature range: - 40°C (- 40°F) + 100°C (+ 212°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1232.04	1/4"	- 4	6,0	0.24	14,0	0.55	2.0	300	6.0	900	60	2.4	0,17
10.1232.05	5/16"	- 5	8,0	0.32	17,0	0.67	2.0	300	6.0	900	80	3.2	0,22
10.1232.06	3/8"	- 6	10,0	0.39	19,0	0.75	2.0	300	6.0	900	100	3.9	0,26
10.1232.08	1/2"	- 8	13,0	0.51	21,0	0.83	2.0	300	6.0	900	125	4.9	0,33
10.1232.10	5/8"	- 10	16,0	0.63	26,0	1.02	2.0	300	6.0	900	160	6.3	0,50
10.1232.12	3/4"	- 12	19,0	0.75	29,0	1.14	2.0	300	6.0	900	190	7.5	0,56
10.1232.16	1"	- 16	25,0	0.98	36,0	1.42	2.0	300	6.0	900	254	10.0	0,83

Balflex® AIRMASTER AIR & WATER **YELLOW** – 10.1232.Y

Exceeds ISO 2398 / BS 5118 type 2

Yellow Air & Water 2.0MPa / 300PSI (100% rubber hose)



Inner tube: seamless air and water resistant synthetic rubber
Reinforcement: 1 high resistance synthetic fiber braid
Outer tube: yellow, weather and abrasion resistant synthetic rubber
Safety factor: 3: 1
Application: heavy works on mining, construction, steel plants, quarries and air compressors
Temperature range: - 40°C (- 40°F) + 100°C (+ 212°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1232.04Y	1/4"	- 4	6,0	0.24	14,0	0.55	2.0	300	6.0	900	60	2.4	0,17
10.1232.05Y	5/16"	- 5	8,0	0.32	17,0	0.67	2.0	300	6.0	900	80	3.2	0,22
10.1232.06Y	3/8"	- 6	10,0	0.39	19,0	0.75	2.0	300	6.0	900	100	3.9	0,26
10.1232.08Y	1/2"	- 8	13,0	0.51	21,0	0.83	2.0	300	6.0	900	125	4.9	0,33
10.1232.10Y	5/8"	- 10	16,0	0.63	26,0	1.02	2.0	300	6.0	900	160	6.3	0,50
10.1232.12Y	3/4"	- 12	19,0	0.75	29,0	1.14	2.0	300	6.0	900	190	7.5	0,56
10.1232.16Y	1"	- 16	25,0	0.98	36,0	1.42	2.0	300	6.0	900	254	10.0	0,83

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Balflex® AIRMASTER Air & Water 300PSI

Balflex® AIRMASTER AIR & WATER **RED** – 10.1232.R

Exceeds ISO 2398 / BS 5118 type 2

Red Air & Water 2.0MPa / 300PSI (100% rubber hose)



- Inner tube:** seamless air and water resistant synthetic rubber
- Reinforcement:** 1 high resistance synthetic fiber braid
- Outer tube:** red, weather and abrasion resistant synthetic rubber
- Safety factor:** 3: 1
- Application:** heavy works on mining, construction, steel plants, quarries and air compressors
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1232.04R	1/4"	- 4	6,0	0.24	14,0	0.55	2.0	300	6.0	900	60	2.4	0,17
10.1232.05R	5/16"	- 5	8,0	0.32	17,0	0.67	2.0	300	6.0	900	80	3.2	0,22
10.1232.06R	3/8"	- 6	10,0	0.39	19,0	0.75	2.0	300	6.0	900	100	3.9	0,26
10.1232.08R	1/2"	- 8	13,0	0.51	21,0	0.83	2.0	300	6.0	900	125	4.9	0,33
10.1232.10R	5/8"	- 10	16,0	0.63	26,0	1.02	2.0	300	6.0	900	160	6.3	0,50
10.1232.12R	3/4"	- 12	19,0	0.75	29,0	1.14	2.0	300	6.0	900	190	7.5	0,56
10.1232.16R	1"	- 16	25,0	0.98	36,0	1.42	2.0	300	6.0	900	254	10.0	0,83

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Balflex® MULTIPURPOSE Fuel & Gasoline



Balflex® MULTIPURPOSE OIL, FUEL & GASOLINE – 10.1215.

Oil, Fuel and Gasoline 2.0MPa / 300PSI (100% rubber hose)



- Inner tube:** seamless oil, fuel and gasoline resistant synthetic rubber
- Reinforcement:** 1 high resistance synthetic fiber braid
- Outer tube:** black wrapped, weather and abrasion resistant synthetic rubber
- Safety factor:** 3: 1
- Application:** oil, fuel and gasoline on automotive, and service stations
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1215.03	3/16"	- 3	4,8	0.19	11,1	0.44	2.0	300	6.0	900	50	2.0	0,10
10.1215.04	1/4"	- 4	6,4	0.25	14,0	0.55	2.0	300	6.0	900	60	2.4	0,12
10.1215.05	5/16"	- 5	7,9	0.31	15,5	0.61	2.0	300	6.0	900	80	3.2	0,15
10.1215.06	3/8"	- 6	9,5	0.37	17,5	0.69	2.0	300	6.0	900	100	3.9	0,16
10.1215.08	1/2"	- 8	12,7	0.50	22,0	0.87	2.0	300	6.0	900	125	4.9	0,24
10.1215.10	5/8"	- 10	15,9	0.63	26,5	1.04	2.0	300	6.0	900	160	6.3	0,27
10.1215.12	3/4"	- 12	19,1	0.75	29,4	1.16	2.0	300	6.0	900	190	7.5	0,40
10.1215.16	1"	- 16	25,4	1.00	36,2	1.43	2.0	300	6.0	900	254	10.0	0,55

On dash size – 3 (3/16") the outer tube is smooth cover

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Balflex® Single Welding 2.0MPa / 300PSI

Balflex® SINGLE WELDING – 10.1227.

According to ISO 3821 class B / DIN EN 559 / RMA / CGA IP-7 grade R

Oxygen and Acetylene 2.0MPa / 300PSI (100% rubber hose)



Inner tube: seamless oxygen or acetylene resistant synthetic rubber
Reinforcement: 1 high resistance synthetic fiber braid
Outer tube: red, green or blue, weather and abrasion resistant synthetic rubber
Safety factor: 3: 1
Application: welding equipments
Temperature range: - 35°C (- 31°F) + 100°C (+ 212°F)

part number		Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
oxygen	acetylene			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1227.04	10.1227.04A	1/4"	- 4	6,4	0.25	13,8	0.54	2.0	300	6.0	900	80	3.2	0,17
10.1227.05	10.1227.05A	5/16"	- 5	8,0	0.32	15,5	0.61	2.0	300	6.0	900	80	3.2	0,23
10.1227.06	10.1227.06A	3/8"	- 6	9,5	0.37	17,0	0.67	2.0	300	6.0	900	80	3.2	0,26



Balflex® Twin Welding 2.0MPa / 300PSI

Balflex® TWIN WELDING – 10.1228.

According to ISO 3821 class B / DIN EN 559 / RMA / CGA IP-7 grade R

Oxygen and Acetylene 2.0MPa / 300PSI (100% rubber hose)



Inner tube: seamless oxygen or acetylene resistant synthetic rubber
Reinforcement: 1 high resistance synthetic fiber braid
Outer tube: red and green or blue, weather and abrasion resistant synthetic rubber
Safety factor: 3: 1
Application: welding equipments
Temperature range: - 35°C (- 31°F) + 100°C (+ 212°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1228.04	1/4"	- 4	6,4	0.25	13,8	0.54	2.0	300	6.0	900	80	3.2	0,31
10.1228.05	5/16"	- 5	8,0	0.32	15,5	0.61	2.0	300	6.0	900	80	3.2	0,42
10.1228.06	3/8"	- 6	9,5	0.37	17,0	0.67	2.0	300	6.0	900	80	3.2	0,50

WARNING: For use with acetylene ONLY. Do not use with any other fuel gases

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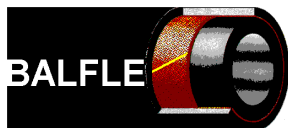
Balflex® FUEL PUMP



Balflex® FUEL PUMP – 10.1221.

According to EN 1360 – 1 / ISO 7840 - 1

Fuel dispensing hose polyester braid



- Inner tube:** petrol, gasoline and fuel seamless resistant synthetic rubber
- Reinforcement:** high tensile polyester braid and antistatic copper line
- Outer tube:** oil, weather, ozone, abrasion resistant synthetic rubber
- Safety factor:** 3: 1
- Application:** dispensing of fuel, gasoline, ethanol, unleaded petrol and diesel oil
- Temperature range:** - 40°C (- 40°F) + 120°C (+ 248°F)
- Couplings:** reusable or crimped **Balflex® FUEL PUMP** coupling serie

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1221.10	5/8"	- 10	16,0	0.63	26,0	1.02	1.6	232	4.8	696	160	6.3	0,42
10.1221.12	3/4"	- 12	19,0	0.75	30,0	1.18	1.6	232	4.8	696	190	7.4	0,48
10.1221.16	1"	- 16	25,4	1.00	37,0	1.46	1.6	232	4.8	696	254	10.0	0,69

Balflex® FUEL PUMP STEEL



Balflex® FUEL PUMP STEEL – 10.1222.

According to EN 1360 – 3 / ISO 7840 - 3

Fuel dispensing hose steel braid



- Inner tube:** petrol, gasoline and fuel seamless resistant synthetic rubber
- Reinforcement:** high tensile steel braid
- Outer tube:** oil, weather, ozone, abrasion resistant synthetic rubber
- Safety factor:** 3: 1
- Application:** dispensing of fuel, gasoline, ethanol, unleaded petrol and diesel oil
- Temperature range:** - 40°C (- 40°F) + 120°C (+ 248°F)
- Couplings:** reusable or crimped **Balflex® FUEL PUMP** coupling serie

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1222.10	5/8"	- 10	16,0	0.63	25,4	1.00	1.8	260	5.4	780	160	6.3	0,57
10.1222.12	3/4"	- 12	19,0	0.75	28,7	1.13	1.8	260	5.4	780	190	7.4	0,64
10.1222.16	1"	- 16	25,4	1.00	35,1	1.38	1.8	260	5.4	780	254	10.0	0,86

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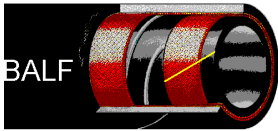


Balflex® FUEL PUMP HELIX

Balflex® FUEL PUMP HELIX – 10.1223.

According to EN 1360 – 2 / ISO 7840 - 2

Fuel dispensing hose with steel helix



- Inner tube:** petrol, gasoline and fuel seamless resistant synthetic rubber
- Reinforcement:** high tensile synthetic textile braid, steel helix and antistatic copper line
- Outer tube:** oil, weather, ozone, abrasion resistant synthetic rubber
- Safety factor:** 3: 1
- Application:** dispensing of fuel, gasoline, ethanol, unleaded petrol and diesel oil
- Temperature range:** - 40°C (- 40°F) + 120°C (+ 248°F)
- Couplings:** reusable or crimped **Balflex® FUEL PUMP** coupling serie

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1223.10	5/8"	- 10	16,0	0.63	26,0	1.02	1.6	232	4.8	696	160	6.3	0,55
10.1223.12	3/4"	- 12	19,0	0.75	30,0	1.18	1.6	232	4.8	696	190	7.4	0,63
10.1223.16	1"	- 16	25,4	1.00	37,0	1.46	1.6	232	4.8	696	254	10.0	0,86



Balflex® CNG

Balflex® CNG - ELETRICALY CONDUCTIVE – 10.1037.

CNG Dispenser Very High Pressure Hose



- Inner tube:** internal core in polyamide
- Reinforcement:** 1 high tensile steel braid and 1 aramidic fiber braid
- Outer tube:** red pin-pricked polyurethane
- Safety factor:** 4: 1
- Application:** CNG (compressed natural gas) dispenser at very high pressure
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)
- Couplings:** crimped **Balflex® CNG** coupling serie

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1037.04	1/4"	- 4	6,4	0.25	14,0	0.55	69.0	10000	276.0	40000	40	1.6	0,24
10.1037.06	3/8"	- 6	9,5	0.37	18,0	0.71	50.0	7250	200.0	29000	60	2.4	0,26

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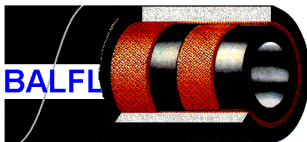
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Rigid rubber mandrel hose for delivery of Air and Water 1.0MPa / 150PSI

Reinforced with several high resistance synthetic fiber braids



Inner tube: seamless air and water resistant synthetic rubber
Reinforcement: several high resistance synthetic fiber braids
Outer tube: black, weather and abrasion resistant synthetic rubber

Safety factor: 3: 1

Application: for conveying water in construction, mining, steel plants and agriculture

Temperature range: - 35°C (- 31°F) + 85°C (+ 185°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	kg/m
10.1235.025	1"	- 16	25,4	1.00	35,0	1.38	1.0	150	3.0	450	254	10.0	0,60
10.1235.028	1.1/8"	- 18	28,6	1.13	38,0	1.50	1.0	150	3.0	450	300	11.8	0,80
10.1235.032	1.1/4"	- 20	31,8	1.25	44,0	1.73	1.0	150	3.0	450	320	12.6	1,00
10.1235.040	1.1/2"	- 24	38,1	1.50	50,0	1.97	1.0	150	3.0	450	380	15.0	1,10
10.1235.045	1.3/4"	- 28	45,0	1.77	57,0	2.24	1.0	150	3.0	450	445	17.5	1,30
10.1235.050	2"	- 32	50,8	2.00	63,0	2.48	1.0	150	3.0	450	510	20.1	1,40
10.1235.055	2.1/4"	- 36	55,0	2.17	71,0	2.80	1.0	150	3.0	450	590	23.2	1,60
10.1235.063	2.1/2"	- 40	63,5	2.50	77,0	3.03	1.0	150	3.0	450	635	25.0	1,90
10.1235.075	3"	- 48	76,2	3.00	92,0	3.62	1.0	150	3.0	450	762	30.0	2,50
10.1235.090	3.1/2"	- 56	88,9	3.50	106,0	4.17	1.0	150	3.0	450	900	35.4	3,00
10.1235.100	4"	- 64	101,6	4.00	118,0	4.65	1.0	150	3.0	450	1016	40.0	3,60
10.1235.125	5"	- 80	127,0	5.00	140,0	5.51	1.0	150	3.0	450	1270	50.0	4,00
10.1235.150	6"	- 96	152,4	6.00	165,0	6.50	1.0	150	3.0	450	1524	60.0	4,60
10.1235.200	8"	- 128	203,2	8.00	222,0	8.74	1.0	150	3.0	450	2032	80.0	7,60
10.1235.250	10"	- 160	254,0	10.00	270,0	10.60	1.0	150	3.0	450	2540	99.9	9,37

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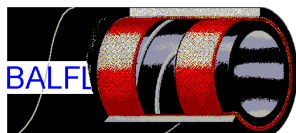


Balflex® ACQUATANK S & D

Balflex® ACQUATANK S & D – 10.1237.

Rigid rubber mandrel hose for suction and delivery of Air and Water 1.0MPa /150PSI

Reinforced with several high resistance synthetic fiber braids and steel helix



- Inner tube:** seamless air and water resistant synthetic rubber
- Reinforcement:** several high resistance synthetic fiber braids and steel helix
- Outer tube:** black, weather and abrasion resistant synthetic rubber
- Safety factor:** 3: 1
- Application:** suction and delivery of water in construction, mining, steel plants and agriculture
- Temperature range:** - 35°C (- 31°F) + 85°C (+ 185°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		negative pressure		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	MPa	PSI	
10.1237.025	1"	- 16	25,4	1.00	35,0	1.38	1,0	150	3,0	450	152	6.0	0,8	12	0,74
10.1237.028	1.1/8"	- 18	28,6	1.13	38,0	1.50	1,0	150	3,0	450	175	6.9	0,8	12	0,90
10.1237.032	1.1/4"	- 20	31,8	1.25	44,0	1.73	1,0	150	3,0	450	192	7.6	0,8	12	1,14
10.1237.040	1.1/2"	- 24	38,1	1.50	50,0	1.97	1,0	150	3,0	450	228	9.0	0,8	12	1,28
10.1237.045	1.3/4"	- 28	45,0	1.77	57,0	2.24	1,0	150	3,0	450	267	10.5	0,8	12	1,42
10.1237.050	2"	- 32	50,8	2.00	63,0	2.48	1,0	150	3,0	450	306	12.0	0,8	12	2,10
10.1237.055	2.1/4"	- 36	55,0	2.17	71,0	2.80	1,0	150	3,0	450	342	13.5	0,8	12	2,30
10.1237.060	2.3/8"	- 38	60,0	2.36	75,0	2.95	1,0	150	3,0	450	370	14.6	0,8	12	2,40
10.1237.063	2.1/2"	- 40	63,5	2.50	77,0	3.03	1,0	150	3,0	450	381	15.0	0,8	12	2,50
10.1237.075	3"	- 48	76,2	3.00	92,0	3.62	1,0	150	3,0	450	457	18.0	0,8	12	3,00
10.1237.080	3.1/8"	- 50	80,0	3.15	95,0	3.74	1,0	150	3,0	450	505	19.9	0,8	12	3,10
10.1237.090	3.1/2"	- 56	88,9	3.50	106,0	4.17	1,0	150	3,0	450	540	21.3	0,8	12	3,40
10.1237.100	4"	- 64	101,6	4.00	118,0	4.65	1,0	150	3,0	450	610	24.0	0,8	12	4,08
10.1237.125	5"	- 80	127,0	5.00	144,0	5.67	1,0	150	3,0	450	762	30.2	0,8	12	6,30
10.1237.150	6"	- 96	152,4	6.00	171,0	6.73	1,0	150	3,0	450	915	36.0	0,8	12	8,21
10.1237.200	8"	- 128	203,2	8.00	224,0	8.82	1,0	150	3,0	450	1219	48.0	0,8	12	12,54
10.1237.250	10"	- 160	254,0	10.00	275,0	10.83	1,0	150	3,0	450	1524	60.0	0,8	12	15,30
10.1237.300	12"	- 192	304,8	12.00	327,0	12.87	1,0	150	3,0	450	1829	72.0	0,8	12	22,03

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Balflex® BALDRILL MINE AIR & WATER



Balflex® BALDRILL MINE AIR & WATER – 10.1233.

According to BS 5118-20

Rigid rubber heavy mandrel hose for delivery of Air and Water 2.0MPa / 300PSI

Reinforced with several high resistance synthetic fiber braids



Inner tube: seamless air and water resistant synthetic rubber
Reinforcement: several high resistance synthetic fiber braids
Outer tube: yellow, weather and abrasion resistant synthetic rubber
Safety factor: 3: 1

Application: heavy works on mining, construction, steel plants, perforation and quarries
Temperature range: - 35°C (- 31°F) + 85°C (+ 185°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1233.20	1.1/4"	- 20	31,8	1.25	43,0	1.69	2.0	300	6.0	900	320	12.6	1,17
10.1233.24	1.1/2"	- 24	38,1	1.50	50,0	1.97	2.0	300	6.0	900	380	15.0	1,33
10.1233.32	2"	- 32	50,8	2.00	64,0	2.52	2.0	300	6.0	900	510	20.1	1,96
10.1233.40	2.1/2"	- 40	63,5	2.50	77,0	3.03	2.0	300	6.0	900	635	25.0	2,90
10.1233.48	3"	- 48	76,2	3.00	90,0	3.54	2.0	300	6.0	900	762	30.0	3,57
10.1233.64	4"	- 64	101,6	4.00	118,0	4.65	2.0	300	6.0	900	1016	40.0	5,20

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Balflex® BALDRILL MINE STEEL UNO

Balflex® BALDRILL MINE STEEL UNO AIR & WATER – 10.1242.

High Pressure, single steel braid reinforced industrial hose



- Inner tube:** seamless oil, air and water resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** yellow, weather and abrasion resistant pin-pricked synthetic rubber
- Safety factor:** 4: 1
- Application:** very heavy works on mining, construction, steel plants, perforation and quarries
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
Max. temperature recommended for air: **+ 60°C (+ 140°F)**

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1242.032	1.1/4"	- 20	32,0	1.25	41,0	1.61	4.5	650	18.0	2610	419	16.5	2,14
10.1242.040	1.1/2"	- 24	38,0	1.50	48,0	1.89	4.5	650	18.0	2610	500	19.7	2,55
10.1242.050	2"	- 32	50,8	2.00	63,0	2.48	4.5	650	18.0	2610	630	24.8	3,30

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Balflex® BALDRILL MINE STEEL DUO



Balflex® BALDRILL MINE STEEL DUO AIR & WATER – 10.1243.

High Pressure, double steel braid reinforced industrial hose



- Inner tube:** seamless oil, air and water resistant synthetic rubber
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** yellow, weather and abrasion resistant pin-pricked synthetic rubber
- Safety factor:** 4: 1
- Application:** very heavy works on mining, construction, steel plants, perforation and quarries
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
 Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
 Max. temperature recommended for air: **+ 60°C (+ 140°F)**

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	kg/m
10.1243.032	1.1/4"	- 20	32,0	1.25	45,0	1.77	12.5	1810	50.0	7240	419	16.5	2,14
10.1243.040	1.1/2"	- 24	38,0	1.50	50,0	1.97	9.0	1300	36.0	5200	500	19.7	2,55
10.1243.050	2"	- 32	50,8	2.00	63,0	2.48	8.0	1160	32.0	4640	630	24.8	3,30
10.1243.063	2.1/2"	- 40	63,5	2.50	78,0	3.07	4.5	650	18.0	2610	760	30.4	3,96
10.1243.075	3"	- 48	76,2	3.00	88,0	3.46	4.5	650	18.0	2610	900	36.0	4,96
10.1243.100	4"	- 64	101,6	4.00	118,0	4.65	4.5	650	18.0	2610	1100	43.3	6,01

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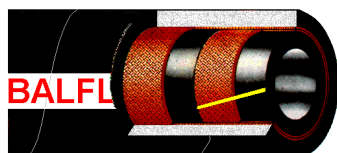
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Balflex® OILTANK – 10.1238.

Rigid rubber mandrel TANK TRUCK hose for delivery of Petroleum, Gasoline, Oil and Fuel 1.0MPa / 150PSI

Reinforced with several high resistance synthetic fiber braids and antistatic copper line



Inner tube: synthetic rubber resistant to oil, gasoline, diesel and fuels with up to 40% aromatic content, with antistatic characteristics

Reinforcement: several high resistance synthetic fiber braids

Outer tube: black, oil, weather and abrasion resistant synthetic rubber, with antistatic copper line

Safety factor: 3: 1

Application: delivery of oil, gasoline, diesel and fuels

Temperature range: - 40°C (- 40°F) + 100°C (+ 212°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1238.025	1"	- 16	25,4	1.00	36,0	1.42	1.0	150	3.0	450	254	10.0	0,60
10.1238.032	1.1/4"	- 20	31,8	1.25	43,0	1.69	1.0	150	3.0	450	320	12.6	1,14
10.1238.040	1.1/2"	- 24	38,1	1.50	49,0	1.93	1.0	150	3.0	450	380	15.0	1,30
10.1238.050	2"	- 32	50,8	2.00	61,0	2.40	1.0	150	3.0	450	510	20.1	1,75
10.1238.063	2.1/2"	- 40	63,5	2.50	76,0	2.99	1.0	150	3.0	450	635	25.0	1,90
10.1238.075	3"	- 48	76,2	3.00	88,0	3.46	1.0	150	3.0	450	762	30.0	2,50
10.1238.090	3.1/2"	- 56	88,9	3.50	106,0	4,17	1.0	150	3.0	450	900	35.4	3,00
10.1238.100	4"	- 64	101,6	4.00	115,0	4.53	1.0	150	3.0	450	1016	40.0	3,60
10.1238.125	5"	- 80	127,0	5.00	140,0	5.51	1.0	150	3.0	450	1270	50.0	4,00
10.1238.150	6"	- 96	152,4	6.00	165,0	6.50	1.0	150	3.0	450	1524	60.0	4,60

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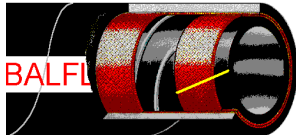
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Balflex® AUTOTANK S & D – 10.1236.

Rigid rubber mandrel TANK TRUCK hose for suction and delivery of Petroleum, Gasoline, Oil and Fuel 1.0MPa / 150PSI

Reinforced with several high resistance synthetic fiber braids with steel helix and antistatic copper line



Inner tube: synthetic rubber resistant to oil, gasoline, diesel and fuels with up to 40% aromatic content, with antistatic characteristics

Reinforcement: several high resistance synthetic fiber braids with a steel helix

Outer tube: black, oil, weather and abrasion resistant synthetic rubber, with antistatic copper line

Safety factor: 3: 1

Application: suction and delivery of oil, gasoline, diesel and fuels

Temperature range: - 40°C (- 40°F) + 100°C (+ 212°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		negative pressure		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	MPa	PSI	
10.1236.020	3/4"	- 12	19,0	0.75	33,0	1.30	1.0	150	3.0	450	136	5.0	0.8	12	0,85
10.1236.025	1"	- 16	25,4	1.00	36,0	1.42	1.0	150	3.0	450	152	6.0	0.8	12	0,97
10.1236.032	1.1/4"	- 20	31,8	1.25	43,0	1.69	1.0	150	3.0	450	192	7.6	0.8	12	1,24
10.1236.040	1.1/2"	- 24	38,1	1.50	49,0	1.93	1.0	150	3.0	450	228	9.0	0.8	12	1,42
10.1236.050	2"	- 32	50,8	2.00	61,0	2.40	1.0	150	3.0	450	306	12.0	0.8	12	1,81
10.1236.063	2.1/2"	- 40	63,5	2.50	76,0	2.99	1.0	150	3.0	450	381	15.0	0.8	12	2,68
10.1236.075	3"	- 48	76,2	3.00	88,0	3.46	1.0	150	3.0	450	457	18.0	0.8	12	3,00
10.1236.090	3.1/2"	- 56	88,9	3.50	106,0	4.17	1.0	150	3.0	450	540	21.3	0.8	12	3,85
10.1236.100	4"	- 64	101,6	4.00	115,0	4.53	1.0	150	3.0	450	610	24.0	0.8	12	4,08
10.1236.125	5"	- 80	127,0	5.00	144,0	5.67	1.0	150	3.0	450	762	30.2	0.8	12	6,30
10.1236.150	6"	- 96	152,4	6.00	171,0	6.73	1.0	150	3.0	450	915	36.0	0.8	12	8,21

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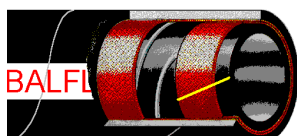


Balflex® AUTOTANK HEAVY S & D

Balflex® AUTOTANK HEAVY S & D – 10.1242.

Rigid rubber mandrel TANK TRUCK HEAVY hose for suction and delivery of Petroleum, Gasoline, Oil and Fuel 2.0MPa / 300PSI

Reinforced with several high resistance synthetic fiber braids with steel helix and antistatic copper line



Inner tube: synthetic rubber resistant to oil, gasoline, diesel and fuels with up to 40% aromatic content, with antistatic characteristics

Reinforcement: several high resistance synthetic fiber braids with a steel helix

Outer tube: black, oil, weather and abrasion resistant synthetic rubber, with antistatic copper line

Safety factor: 3: 1

Application: suction and delivery of oil, gasoline, diesel and fuels

Temperature range: - 40°C (- 40°F) + 100°C (+ 212°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		negative pressure		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	MPa	PSI	
10.1242.020	3/4"	- 12	19,0	0.75	33,0	1.30	2.0	300	6.0	900	136	5.0	0.8	12	0,85
10.1242.025	1"	- 16	25,4	1.00	37,0	1.46	2.0	300	6.0	900	152	6.0	0.8	12	0,97
10.1242.032	1.1/4"	- 20	31,8	1.25	44,0	1.73	2.0	300	6.0	900	192	7.6	0.8	12	1,24
10.1242.040	1.1/2"	- 24	38,1	1.50	50,0	1.97	2.0	300	6.0	900	228	9.0	0.8	12	1,42
10.1242.050	2"	- 32	50,8	2.00	63,0	2.48	2.0	300	6.0	900	306	12.0	0.8	12	1,81
10.1242.063	2.1/2"	- 40	63,5	2.50	77,0	3.03	2.0	300	6.0	900	381	15.0	0.8	12	2,68
10.1242.075	3"	- 48	76,2	3.00	92,0	3.62	2.0	300	6.0	900	457	18.0	0.8	12	3,00
10.1242.090	3.1/2"	- 56	88,9	3.50	106,0	4.17	2.0	300	6.0	900	540	21.3	0.8	12	3,85
10.1242.100	4"	- 64	101,6	4.00	121,0	4.76	2.0	300	6.0	900	610	24.0	0.8	12	4,08
10.1242.125	5"	- 80	127,0	5.00	148,0	5.83	2.0	300	6.0	900	762	30.2	0.8	12	6,30
10.1242.150	6"	- 96	152,4	6.00	174,0	6.85	2.0	300	6.0	900	915	36.0	0.8	12	8,21

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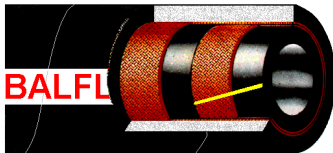


Balflex® AIRCRAFT REFUELLING DELIVERY – 10.1224.

According to *EN 1361 Type B*

Rigid rubber mandrel AIRCRAFT hose for ground delivery of Fuel 2.0MPa / 300PSI

Reinforced with several high resistance synthetic fiber braids and antistatic copper line



Inner tube: synthetic rubber resistant to oil, gasoline, diesel and fuels with up to 50% aromatic content, with antistatic characteristics

Reinforcement: several high resistance synthetic fiber braids

Outer tube: black, oil, weather and abrasion resistant synthetic rubber, with antistatic copper line

Safety factor: 4: 1

Application: fuel delivery with up 50% aromatic content for aircraft ground fuelling

Temperature range: - 40°C (- 40°F) + 70°C (+ 158°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	kg/m
10.1224.020	3/4"	- 12	19,0	0.75	32,0	1.26	2.0	290	8.0	1160	113	4.4	0,51
10.1224.025	1"	- 16	25,4	1.00	39,0	1.54	2.0	290	8.0	1160	150	5.9	0,81
10.1224.032	1.1/4"	- 20	31,8	1.25	47,0	1.85	2.0	290	8.0	1160	200	7.9	1,01
10.1224.040	1.1/2"	- 24	38,1	1.50	53,0	2.09	2.0	290	8.0	1160	230	9.1	1,18
10.1224.050	2"	- 32	50,8	2.00	67,0	2.64	2.0	290	8.0	1160	305	12.0	1,66
10.1224.063	2.1/2"	- 40	63,5	2.50	81,0	3.19	2.0	290	8.0	1160	390	15.4	2,18
10.1224.075	3"	- 48	76,2	3.00	94,0	3.70	2.0	290	8.0	1160	460	18.1	2,59
10.1224.100	4"	- 64	101,6	4.00	123,0	4.84	2.0	290	8.0	1160	610	24.0	3,95

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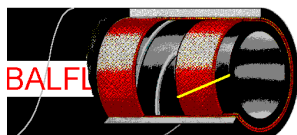
Balflex® AIRCRAFT REFUELLING S & D

Balflex® AIRCRAFT REFUELLING S & D – 10.1225.

According to EN 1361 Type E

Rigid rubber mandrel AIRCRAFT hose for ground S & D of Fuel 2.0MPa / 300PSI

Reinforced with several high resistance synthetic fiber braids with 2 steel helix and antistatic copper line



Inner tube: synthetic rubber resistant to oil, gasoline, diesel and fuels with up to 50% aromatic content, with antistatic characteristics

Reinforcement: several high resistance synthetic fiber braids, 2 steel helix

Outer tube: black, oil, weather and abrasion resistant synthetic rubber, with antistatic copper line

Safety factor: 4: 1

Application: fuel suction & delivery with up 50% aromatic content for aircraft ground fuelling and refuelling

Temperature range: - 40°C (- 40°F) + 70°C (+ 158°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		negative pressure		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	MPa	PSI	
10.1225.020	3/4"	- 12	19,0	0.75	32,0	1.26	2.0	290	8.0	1160	113	4.4	0.8	12	0,68
10.1225.025	1"	- 16	25,4	1.00	39,0	1.54	2.0	290	8.0	1160	150	5.9	0.8	12	0,94
10.1225.032	1.1/4"	- 20	31,8	1.25	47,0	1.85	2.0	290	8.0	1160	200	7.9	0.8	12	1,23
10.1225.040	1.1/2"	- 24	38,1	1.50	53,0	2.09	2.0	290	8.0	1160	230	9.1	0.8	12	1,63
10.1225.050	2"	- 32	50,8	2.00	67,0	2.64	2.0	290	8.0	1160	305	12.0	0.8	12	2,30
10.1225.063	2.1/2"	- 40	63,5	2.50	81,0	3.19	2.0	290	8.0	1160	390	15.4	0.8	12	3,01
10.1225.075	3"	- 48	76,2	3.00	94,0	3.70	2.0	290	8.0	1160	460	18.1	0.8	12	3,77
10.1225.100	4"	- 64	101,6	4.00	123,0	4.84	2.0	290	8.0	1160	610	24.0	0.8	12	5,43

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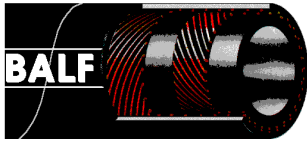
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Balflex[®] RADIATOR – 10.1262.

Radiator Hose 0.4MPa / 60PSI



- Inner tube:** black EPDM resistant to hot water
- Reinforcement:** high tensile textile cords
- Outer tube:** black, heat, weather and abrasion resistant EPDM rubber
- Safety factor:** 3: 1
- Application:** vehicle radiator hose
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)

part number	Ø nom		Ø internal		Ø external		working pressure		min. burst pressure		weight
	inch	mm	inch	mm	inch	mm	MPa	PSI	MPa	PSI	
10.1262.020	3/4"	19,0	0.75	27,0	1.06	0.4	60	1.2	180	0,37	
10.1262.022	7/8"	22,0	0.87	29,0	1.14	0.4	60	1.2	180	0,41	
10.1262.025	1"	25,0	0.98	32,0	1.26	0.4	60	1.2	180	0,46	
10.1262.028	1.1/8"	28,0	1.10	36,0	1.42	0.4	60	1.2	180	0,51	
10.1262.032	1.1/4"	32,0	1.26	40,0	1.57	0.4	60	1.2	180	0,57	
10.1262.035	1.3/8"	35,0	1.38	43,0	1.69	0.4	60	1.2	180	0,62	
10.1262.038	1.1/2"	38,0	1.50	47,5	1.87	0.4	60	1.2	180	0,85	
10.1262.042	1.5/8"	42,0	1.65	51,0	2.01	0.4	60	1.2	180	0,92	
10.1262.045	1.3/4"	45,0	1.77	54,5	2.15	0.4	60	1.2	180	0,99	
10.1262.048	1.7/8"	48,0	1.90	57,0	2.24	0.4	60	1.2	180	1,03	
10.1262.050	2"	50,0	1.97	60,0	2.36	0.4	60	1.2	180	1,10	
10.1262.055	2.1/8"	55,0	2.17	65,0	2.56	0.4	60	1.2	180	1,19	
10.1262.057	2.1/4"	57,0	2.24	67,0	2.64	0.4	60	1.2	180	1,23	
10.1262.060	2.3/8"	60,0	2.36	70,0	2.76	0.4	60	1.2	180	1,28	
10.1262.063	2.1/2"	63,0	2.48	73,0	2.87	0.4	60	1.2	180	1,34	
10.1262.070	2.3/4"	70,0	2.76	80,0	3.15	0.4	60	1.2	180	1,51	
10.1262.075	3"	76,0	2.99	86,0	3.39	0.4	60	1.2	180	1,62	
10.1262.090	3.1/2"	90,0	3.54	102,0	4.02	0.4	60	1.2	180	1,95	
10.1262.100	4"	100,0	3.94	113,0	4.45	0.4	60	1.2	180	2,08	

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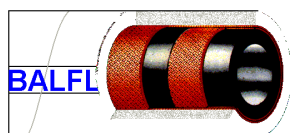
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Balflex® WASHSTEAM – 10.1120.

Saturated Steam synthetic textile braid hose + 165°C (+ 330°F)

0.7 MPa / 102PSI W.P. - 7.0 Mpa / 1015PSI B.P.



- Inner tube:** black, heat resistance synthetic rubber
- Reinforcement:** high tensile synthetic textile braids
- Outer tube:** white heat, weather and abrasion resistant synthetic rubber
- Safety factor:** 10: 1
- Application:** for general saturated steam services. Food plants
- Temperature range:** - 40°C (- 40°F) + 165°C (+ 330°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	kg/m
10.1120.06	3/8"	- 6	9,5	0.38	17,0	0.67	0.7	102	7.0	1015	68	2.68	0.33
10.1120.08	1/2"	- 8	12,7	0.50	22,0	0.87	0.7	102	7.0	1015	80	3.15	0.39
10.1120.12	3/4"	- 12	19,0	0.75	32,0	1.26	0.7	102	7.0	1015	135	5.31	0.67
10.1120.16	1"	- 16	25,4	1.00	38,0	1.50	0.7	102	7.0	1015	170	6.69	0.83
10.1120.20	1.1/4"	- 20	31,8	1.25	45,0	1.77	0.7	102	7.0	1015	240	9.45	1.10
10.1120.24	1.1/2"	- 24	38,1	1.50	51,0	2.01	0.7	102	7.0	1015	300	11.81	1.27
10.1120.32	2"	- 32	50,8	2.00	66,0	2.60	0.7	102	7.0	1015	375	14.76	1.83

Smooth cover on sizes – 6 and – 8, wrapped cover on sizes – 12, - 16, - 20, - 24, - 32.

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Balflex® SUPERSTEAM – 10.1260.

Saturated Steam steel braid hose + 208°C (+ 406°F)

1.7 MPa / 250PSI W.P. 17.0 Mpa / 2500PSI B.P.



Inner tube: black, heat resistance synthetic rubber

Reinforcement: high tensile steel wire braids

Outer tube: black heat, weather and abrasion resistant synthetic rubber

Safety factor: 10: 1

Application: super heated steam services in chemical plants, steel mills, refineries, shipyards

Temperature range: - 40°C (- 40°F) + 208°C (+ 406°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	kg/m
10.1260.08	1/2"	- 8	12,7	0.50	25,0	0.98	1.7	250	17.0	2500	180	7.1	0,55
10.1260.12	3/4"	- 12	19,0	0.75	31,0	1.22	1.7	250	17.0	2500	240	9.4	0,74
10.1260.16	1"	- 16	25,4	1.00	38,3	1.51	1.7	250	17.0	2500	300	11.8	0,97
10.1260.20	1.1/4"	- 20	31,8	1.25	46,5	1.83	1.7	250	17.0	2500	400	15.7	1,30
10.1260.24	1.1/2"	- 24	38,1	1.50	53,0	2.09	1.7	250	17.0	2500	500	19.7	1,65
10.1260.32	2"	- 32	50,8	2.00	67,0	2.64	1.7	250	17.0	2500	650	25.6	2,50

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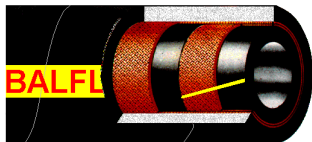
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Balflex® SANDBLAST – 10.1240.

Rigid rubber mandrel hose for Sandblasting / Gravel 1.2MPa / 175PSI

Reinforced with several high resistance synthetic fiber braids and antistatic copper line



Inner tube: seamless synthetic rubber high abrasion resistant to sand with antistatic characteristics; abrasion acc. DIN 53516: approx. 65 mm³

Reinforcement: several high resistance synthetic fiber braids

Outer tube: black, weather and abrasion resistant synthetic rubber, with antistatic copper line

Safety factor: 3: 1

Application: sandblasting

Temperature range: - 40°C (- 40°F) + 100°C (+ 212°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1240.12	1/2"	- 8	12,7	0.50	27,0	1.06	1.2	175	3.6	525	130	5.2	0,52
10.1240.20	3/4"	- 12	19,0	0.75	34,0	1.34	1.2	175	3.6	525	230	9.1	0,60
10.1240.25	1"	- 16	25,4	1.00	40,0	1.57	1.2	175	3.6	525	254	10.0	1,03
10.1240.32	1.1/4"	- 20	31,8	1.25	48,0	1.89	1.2	175	3.6	525	320	12.6	1,40
10.1240.40	1.1/2"	- 24	38,1	1.50	54,0	2.13	1.2	175	3.6	525	380	15.0	1,55
10.1240.50	2"	- 32	50,8	2.00	71,0	2.80	1.2	175	3.6	525	510	20.1	2,02

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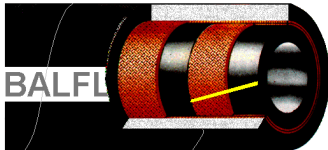


Balflex® DRY CEMENT DELIVERY – 10.1241.

According to EN ISO 3861 / ISO 4649

Dry bulk materials and dry powder cement delivery hose

Reinforced with several high resistance synthetic fiber braids with antistatic copper line



- Inner tube:** seamless synthetic rubber resistant to abrasion
- Reinforcement:** high tensile textile cords
- Outer tube:** black, weather and abrasion resistant synthetic rubber with antistatic copper line
- Safety factor:** 3: 1
- Application:** discharge of dry bulk materials, sand, gravel, and dry powder cement
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1241.050	2"	- 32	50,8	2.00	62,0	2.44	0.5	75	1.5	225	510	20.1	1,24
10.1241.063	2.1/2"	- 40	63,5	2.50	75,0	2.95	0.5	75	1.5	225	635	25.0	1,60
10.1241.075	3"	- 48	76,0	3.00	90,0	3.54	0.5	75	1.5	225	762	30.0	1,98
10.1241.090	3.1/2"	- 56	90,0	3.54	104,0	4.09	0.5	75	1.5	225	900	35.4	2,51
10.1241.100	4"	- 64	101,0	3.98	115,0	4.53	0.5	75	1.5	225	1016	40.0	3,18
10.1241.125	5"	- 80	127,0	5.00	140,0	5.51	0.5	75	1.5	225	1270	50.0	4,05
10.1241.150	6"	- 96	152,0	5.98	166,0	6.54	0.5	75	1.5	225	1524	60.0	5,05
10.1241.200	8"	- 128	203,0	7.99	218,0	8.58	0.5	75	1.5	225	2032	80.0	7,80

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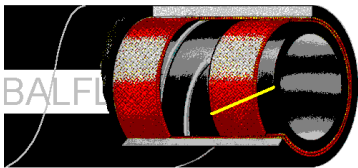
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Bulk materials handling suction and delivery hose

Reinforced with several high resistance synthetic fiber braids with steel helix and antistatic copper line



- Inner tube:** seamless synthetic rubber resistant to abrasion
- Reinforcement:** high tensile textile cords with steel helix and antistatic copper line
- Outer tube:** black, weather and abrasion resistant synthetic rubber
- Safety factor:** 3: 1
- Application:** suction & discharge of bulk materials
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1245.050	2"	- 32	51,0	2.00	71,0	2.80	1.0	150	3.0	450	306	12.0	2,10
10.1245.075	3"	- 48	76,0	3.00	98,0	3.86	1.0	150	3.0	450	457	18.0	3,00
10.1245.100	4"	- 64	102,0	4.00	125,0	4.92	1.0	150	3.0	450	610	24.0	4,08
10.1245.125	5"	- 80	127,0	5.00	154,0	6.06	1.0	150	3.0	450	762	30.2	6,30
10.1245.150	6"	- 96	152,0	6.00	178,0	7.01	1.0	150	3.0	450	915	36.0	8,21
10.1245.200	8"	- 128	203,0	8.00	238,0	9.37	1.0	150	3.0	450	1219	48.0	12,54
10.1245.250	10"	- 160	254,0	10.00	291,0	11.46	1.0	150	3.0	450	1524	60.0	15,30

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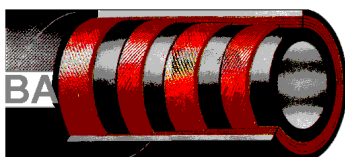
Balflex® STEEL WIRE CONCRETE



Balflex® STEEL WIRE REINFORCED CONCRETE – 10.1247.

Hose for Placement of Concrete to the Casting Locations

Abrasion loss value: Acc DIN 53516 < 65 mm³



- Inner tube:** seamless special synthetic rubber resistant to abrasion
- Reinforcement:** high tensile steel cords
- Outer tube:** black, weather and abrasion resistant pin-pricked synthetic rubber
- Safety factor:** 2.3: 1
- Application:** placement of concrete to the casting locations
- Temperature range:** - 40°C (- 40°F) + 70°C (+ 158°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1247.050	2"	- 32	50,8	2.00	70,0	2.76	8.5	1232	20	2900	510	20.1	3,41
10.1247.063	2.1/2"	- 40	63,5	2.50	88,0	3.46	8.5	1232	20	2900	635	25.0	4,97
10.1247.075	3"	- 48	76,0	3.00	102,0	4.02	8.5	1232	20	2900	762	30.0	6,58
10.1247.100	4"	- 64	101,0	3.98	130,0	5.12	8.5	1232	20	2900	1016	40.0	9,38
10.1247.125	5"	- 80	127,0	5.00	155,0	6.10	8.5	1232	20	2900	1270	50.0	10,95
101247.150	6"	- 96	152,0	5.98	184,0	7.24	8.5	1232	20	2900	1524	60.0	13,49

Can be supplied already assembly, with fittings, upon request

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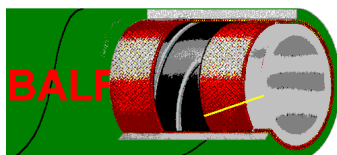


Balflex® XLPE Acid-Solvent & Chemical S & D

Balflex® XLPE ACID-SOLVENT & CHEMICAL S & D – 10.1270.

Corrosive Chemicals and Solvents Translucent XLPE (Cross Linked Polyethylene) 1.7MPa / 250PSI W.P. S & D hose

Reinforced with several high resistance synthetic fiber braids with steel helix and antistatic copper line



- Inner tube:** corrosive acid-solvents and chemicals translucent XLPE (cross linked polyethylene)
- Reinforcement:** several high resistance synthetic fiber braids with a steel helix
- Outer tube:** green, weather and abrasion resistant synthetic rubber, with antistatic copper line
- Safety factor:** 3: 1
- Application:** suction and delivery of strong acids, corrosive chemicals, high aromatic solvents. Suitable for 90% of existing chemicals
- Temperature range:** - 30°C (- 22°F) + 65°C (+ 150°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		negative pressure		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	MPa	PSI	
10.1270.020	3/4"	- 12	19,0	0.75	32,0	1.26	1.7	250	5.1	750	136	5.0	0.09	12	0,67
10.1270.025	1"	- 16	25,4	1.00	38,0	1.50	1.7	250	5.1	750	152	6.0	0.09	12	0,79
10.1270.032	1.1/4"	- 20	31,8	1.25	46,0	1.69	1.7	250	5.1	750	192	7.6	0.09	12	1,24
10.1270.040	1.1/2"	- 24	38,1	1.50	52,0	2.05	1.7	250	5.1	750	228	9.0	0.09	12	1,42
10.1270.050	2"	- 32	50,8	2.00	65,0	2.56	1.7	250	5.1	750	306	12.0	0.09	12	1,81
10.1270.063	2.1/2"	- 40	63,5	2.50	78,0	3.08	1.7	250	5.1	750	381	15.0	0.09	12	2,68
10.1270.075	3"	- 48	76,2	3.00	92,0	3.62	1.7	250	5.1	750	457	18.0	0.09	12	3,00
10.1270.100	4"	- 64	101,6	4.00	119,0	4.69	1.7	250	5.1	750	610	24.0	0.09	12	4,08

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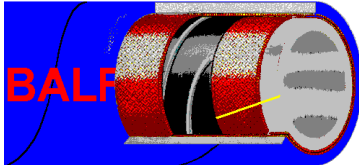
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Chemicals and Acid-Solvent Translucent UHMWPE (Ultra High Molecular Weight Polyethylene) 1.7MPa / 250PSI W.P. S & D hose

Reinforced with several high resistance synthetic fiber braids with steel helix and antistatic copper line



- Inner tube:** corrosive acid-solvents and chemicals translucent UHMWPE (ultra high molecular weight polyethylene)
- Reinforcement:** several high resistance synthetic fiber braids with a steel helix
- Outer tube:** blue, weather and abrasion resistant synthetic rubber, with antistatic copper line
- Safety factor:** 3: 1
- Application:** suction and delivery of strong acids, corrosive chemicals, high aromatic solvents. Suitable for 98% of existing chemicals
- Temperature range:** - 40°C (- 40°F) + 80°C (+ 176°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		negative pressure		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	MPa	PSI	
10.1275.020	3/4"	- 12	19,0	0.75	32,0	1.26	1.7	250	5.1	750	136	5.0	0.09	12	0,67
10.1275.025	1"	- 16	25,4	1.00	38,0	1.50	1.7	250	5.1	750	152	6.0	0.09	12	0,79
10.1275.032	1.1/4"	- 20	31,8	1.25	46,0	1.69	1.7	250	5.1	750	192	7.6	0.09	12	1,24
10.1275.040	1.1/2"	- 24	38,1	1.50	52,0	2.05	1.7	250	5.1	750	228	9.0	0.09	12	1,42
10.1275.050	2"	- 32	50,8	2.00	65,0	2.56	1.7	250	5.1	750	306	12.0	0.09	12	1,81
10.1275.063	2.1/2"	- 40	63,5	2.50	78,0	3.08	1.7	250	5.1	750	381	15.0	0.09	12	2,68
10.1275.075	3"	- 48	76,2	3.00	92,0	3.62	1.7	250	5.1	750	457	18.0	0.09	12	3,00
10.1275.100	4"	- 64	101,6	4.00	119,0	4.69	1.7	250	5.1	750	610	24.0	0.09	12	4,08

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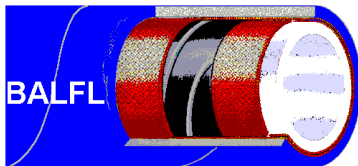
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Balflex® FOOD S & D – 10.1280.

Food 1.0MPa / 150PSI W.P. S & D hose

**Reinforced with several high resistance synthetic fiber braids with steel helix
FDA approved compounds**



- Inner tube:** white color, non-toxic rubber compound
- Reinforcement:** several high resistance synthetic fiber braids with a steel helix
- Outer tube:** blue, weather and abrasion resistant synthetic rubber
- Safety factor:** 3: 1
- Application:** suction and delivery of foodstuff
- Temperature range:** - 40°C (- 40°F) + 80°C (+ 176°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		negative pressure		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	MPa	PSI	
10.1280.025	1"	- 16	25,4	1.00	36,0	1.42	1.0	150	3.0	300	152	6.0	0.09	12	0,79
10.1280.032	1.1/4"	- 20	31,8	1.25	43,0	1.69	1.0	150	3.0	300	192	7.6	0.09	12	1,24
10.1280.040	1.1/2"	- 24	38,1	1.50	49,0	1.93	1.0	150	3.0	300	228	9.0	0.09	12	1,42
10.1280.050	2"	- 32	50,8	2.00	62,0	2.44	1.0	150	3.0	300	306	12.0	0.09	12	1,81
10.1280.063	2.1/2"	- 40	63,5	2.50	76,0	2.99	1.0	150	3.0	300	381	15.0	0.09	12	2,68
10.1280.075	3"	- 48	76,2	3.00	89,0	3.50	1.0	150	3.0	300	457	18.0	0.09	12	3,00
10.1280.100	4"	- 64	101,6	4.00	116,0	4.57	1.0	150	3.0	300	610	24.0	0.09	12	4,08

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Balflex® LPG DELIVERY HOSE – 10.1214.

LPG 2.5MPa / 350PSI hose – long length



Inner tube: seamless synthetic rubber resistant to LPG
Reinforcement: 1 high resistance synthetic fiber braid
Outer tube: black, smooth, weather and abrasion resistant synthetic rubber
Safety factor: 3: 1
Application: LPG (Liquefied Petroleum Gas)
Temperature range: - 30°C (- 22°F) + 100°C (+ 212°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1214.06	1/4"	- 4	6,4	0.25	15,0	0.59	2.5	350	7.5	1050	48	1.9	0,11
10.1214.08	5/16"	- 5	8,0	0.31	16,0	0.63	2.5	350	7.5	1050	64	2.5	0,15
10.1214.10	3/8"	- 6	9,5	0.37	19,0	0.75	2.5	350	7.5	1050	80	3.2	0,18
10.1214.12	1/2"	- 8	12,7	0.50	23,8	0.94	2.5	350	7.5	1050	104	4.1	0,23
10.1214.20	3/4"	- 12	19,0	0.75	32,0	1.26	2.5	350	7.5	1050	152	6.0	0,42
10.1214.25	1"	- 16	25,4	1.00	38,6	1.52	2.5	350	7.5	1050	200	7.9	0,84



Balflex® LPG DELIVERY HOSE – 10.1214.

LPG 2.5MPa / 350PSI hose – mandrel built



Inner tube: seamless synthetic rubber resistant to LPG
Reinforcement: high tensile textile cords
Outer tube: black, wrapped, weather and abrasion resistant synthetic rubber
Safety factor: 3: 1
Application: LPG (Liquefied Petroleum Gas)
Temperature range: - 30°C (- 22°F) + 100°C (+ 212°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1214.32	1.1/4"	- 20	32,0	1.26	46,1	1.81	2.5	350	7.5	1050	250	9.8	1,23
10.1214.40	1.1/2"	- 24	38,0	1.50	54,8	2.16	2.5	350	7.5	1050	320	12.6	1,48
10.1214.50	2"	- 32	50,8	2.00	70,0	2.76	2.5	350	7.5	1050	400	15.8	2,02

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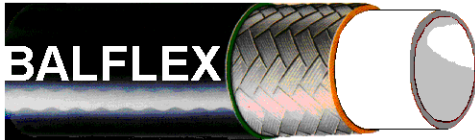
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Balflex® Jet Wash Microline Light

Balflex® JET WASH MICROLINE LIGHT 1/4" – 12.160W.04

High Pressure Thermoplastic Jet Washing and Lubrification Hose



- Inner tube** : polyethylene seamless pipe resistant to water, grease and oil
- Reinforcement** : 1 braid of high resistance polyester
- Outer tube** : black PVC compound resistant to abrasion and weather
- Color** : white inner tube / black outer tube
- Safety factor** : 4 : 1
- Temperature range** : - 40°C (- 40°F) + 100°C (+ 212°F)
- Application** : hobby type jet washing and lubricators
- Couplings** : Balflex® crimped fittings series 23 with ferrules series 20.107.

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
12.160W.04	1/4"	- 4	6,4	0.25	12,5	0.49	16.0	2320	64.0	9280	100	3.94	0.097

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Balflex® Balwash 155°C 1W 25.0MPa



Balflex® Balwash Microline 155°C (+ 311°F) 1W –10.1WJK.

High pressure, single wire braid reinforced high temperature car wash hose



- Inner tube:** seamless hot water resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil, weather and abrasion resistant pin-pricked synthetic rubber
- Safety factor:** 4: 1
- Application:** high temperature and high pressure cleaning professional equipments
- Temperature range:** 0°C (+ 32°F) **+ 155°C (+ 311°F)**
- Couplings:** Balflex® crimped fittings series 23 with ferrules series 20.

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1WJK.04	1/4"	- 4	6,3	0.25	11,7	0.46	28.0	4060	112.0	16240	100	3.9	0,26
10.1WJK.05	5/16"	- 5	8,0	0.31	13,8	0.54	25.0	3625	100.0	14500	110	4.4	0,30

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Balflex® – The European Technology



Balflex® Balwash Microline 25.0MPa

Balflex® BALWASH MICROLINE 25.0MPa 1/4" – 10.1WSK.

SMOOTH COVER

High Pressure Hobby Steel Wire Braid Jet Washing Cold Water Hose



- Inner tube :** seamless cold water resistant synthetic rubber
- Reinforcement :** 1 high tensile steel wire braid
- Outer tube :** black, oil, weather and abrasion resistant pin-pricked smooth synthetic rubber
- Safety factor :** 4: 1
- Temperature range :** - 40°C (- 40°F) + 80°C (+ 176°F)
- Application :** hobby type jet washing
- Couplings :** Balflex® crimped fittings series 23 with ferrules series 20.107.

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1WSK.04	1/4"	- 4	6,3	0.25	11,8	0.46	25.0	3625	100.0	14500	100	3.9	0,26
10.1WSK.05	5/16"	- 5	8,0	0.31	13,8	0.54	22.0	3190	88.0	12760	110	4.4	0,30

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Balflex® Balwash 155°C 1W 22.0MPa



Balflex® Balwash 155°C (+ 311°F) 1W 22.0MPa – 10.1WJ0.

High pressure, single wire braid reinforced high temperature car wash hose



- Inner tube:** seamless hot water resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil, weather and abrasion resistant pin-pricked synthetic rubber
- Safety factor:** 4: 1
- Application:** high temperature and high pressure cleaning professional equipments
- Temperature range:** 0°C (+ 32°F) **+ 155°C (+ 311°F)**
- Couplings:** Balflex® crimped fittings series 23 with ferrules series 20.

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1WJ0.04	1/4"	- 4	6,3	0.25	13,4	0.53	22.0	3190	88.0	12760	100	3.9	0,26
10.1WJ0.05	5/16"	- 5	8,0	0.31	15,0	0.59	22.0	3190	88.0	12760	110	4.4	0,30
10.1WJ0.06	3/8"	- 6	9,5	0.38	17,4	0.69	22.0	3190	88.0	12760	120	4.8	0,36
10.1WJ0.08	1/2"	- 8	12,7	0.50	20,7	0.81	22.0	3190	88.0	12760	180	7.0	0,46

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Balflex® – The European Technology



Balflex® Balwash 155°C 1W 22.0MPa

Balflex® Balwash **155°C (+ 311°F)** 1W 22.0MPa – 10.1WS0.

SMOOTH COVER

High pressure, single wire braid reinforced high temperature car wash hose



- Inner tube:** seamless hot water resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil, weather and abrasion resistant pin-pricked smooth synthetic rubber
- Safety factor:** 4: 1
- Application:** high temperature and high pressure cleaning professional equipments
- Temperature range:** 0°C (+ 32°F) **+ 155°C (+ 311°F)**
- Couplings:** Balflex® crimped fittings series 23 with ferrules series 20.

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	kg/m
10.1WS0.04	1/4"	- 4	6,3	0.25	13,4	0.53	22.0	3190	88.0	12760	100	3.9	0,26
10.1WS0.05	5/16"	- 5	8,0	0.31	15,0	0.59	22.0	3190	88.0	12760	110	4.4	0,30
10.1WS0.06	3/8"	- 6	9,5	0.38	17,4	0.69	22.0	3190	88.0	12760	120	4.8	0,36
10.1WS0.08	1/2"	- 8	12,7	0.50	20,7	0.81	22.0	3190	88.0	12760	180	7.0	0,46

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Balflex® Balwash 155°C 1W 22.0MPa



Balflex® Balwash **155°C (+ 311°F)** 1W 22.0MPa – 10.1WJB.

BLUE COVER

High pressure, single wire braid reinforced high temperature car wash hose



- Inner tube:** seamless hot water resistant synthetic rubber
Reinforcement: 1 high tensile steel wire braid
Outer tube: blue, oil, weather and abrasion resistant pin-pricked synthetic rubber
Safety factor: 4: 1
Application: high temperature and high pressure cleaning professional equipments
Temperature range: 0°C (+ 32°F) **+ 155°C (+ 311°F)**
Couplings: Balflex® crimped fittings series 23 with ferrules series 20.

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	kg/m
10.1WJB.04	1/4"	- 4	6,3	0.25	13,4	0.53	22.0	3190	88.0	12760	100	3.9	0,26
10.1WJB.05	5/16"	- 5	8,0	0.31	15,0	0.59	22.0	3190	88.0	12760	110	4.4	0,30
10.1WJB.06	3/8"	- 6	9,5	0.38	17,4	0.69	22.0	3190	88.0	12760	120	4.8	0,36
10.1WJB.08	1/2"	- 8	12,7	0.50	20,7	0.81	22.0	3190	88.0	12760	180	7.0	0,46

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Balflex® Balwash 155°C 1W 22.0MPa

Balflex® Balwash **155°C (+ 311°F)** 1W 22.0MPa – 10.1WSB.

SMOOTH COVER

BLUE COVER

High pressure, single wire braid reinforced high temperature car wash hose



- Inner tube:** seamless hot water resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** blue, oil, weather and abrasion resistant pin-pricked smooth synthetic rubber
- Safety factor:** 4: 1
- Application:** high temperature and high pressure cleaning professional equipments
- Temperature range:** 0°C (+ 32°F) **+ 155°C (+ 311°F)**
- Couplings:** Balflex® crimped fittings series 23 with ferrules series 20.

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1WSB.04	1/4"	- 4	6,3	0.25	13,4	0.53	22.0	3190	88.0	12760	100	3.9	0,26
10.1WSB.05	5/16"	- 5	8,0	0.31	15,0	0.59	22.0	3190	88.0	12760	110	4.4	0,30
10.1WSB.06	3/8"	- 6	9,5	0.38	17,4	0.69	22.0	3190	88.0	12760	120	4.8	0,36
10.1WSB.08	1/2"	- 8	12,7	0.50	20,7	0.81	22.0	3190	88.0	12760	180	7.0	0,46

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Balflex® Balwash 155°C 2W 40.0MPa



Balflex® Balwash 155°C (+ 311°F) 40.0MPa – 10.2WJ0.

High pressure, double wire braid reinforced high temperature car wash hose



- Inner tube:** seamless hot water resistant synthetic rubber
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** black, oil, weather and abrasion resistant pin-pricked synthetic rubber
- Safety factor:** 4: 1
- Application:** high temperature and high pressure cleaning professional equipments
- Temperature range:** 0°C (+ 32°F) **+ 155°C (+ 311°F)**
- Couplings:** Balflex® crimped fittings series 23 with ferrules series 20.

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.2WJ0.04	1/4"	- 4	6,3	0.25	15,0	0.59	40.0	5800	160.0	23200	100	3.9	0,38
10.2WJ0.05	5/16"	- 5	8,0	0.31	16,6	0.65	40.0	5800	160.0	23200	110	4.4	0,45
10.2WJ0.06	3/8"	- 6	9,5	0.38	19,0	0.75	40.0	5800	160.0	23200	120	4.8	0,53
10.2WJ0.08	1/2"	- 8	12,7	0.50	22,2	0.87	40.0	5800	160.0	23200	178	7.0	0,65

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Balflex® – The European Technology

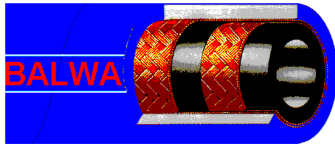


Balflex® Balwash 155°C 2W 40.0MPa

Balflex® Balwash **155°C (+ 311°F)** 40.0MPa – 10.2WJB.

BLUE COVER

High pressure, blue, double wire braid reinforced high temperature car wash hose



Inner tube: seamless hot water resistant synthetic rubber

Reinforcement: 2 high tensile steel wire braids

Outer tube: blue, oil, weather and abrasion resistant pin-pricked synthetic rubber

Safety factor: 4: 1

Application: high temperature and high pressure cleaning professional equipments

Temperature range: 0°C (+ 32°F) **+ 155°C (+ 311°F)**

Couplings: Balflex® crimped fittings series 23 with ferrules series 20.

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.2WJB.04	1/4"	- 4	6,3	0.25	15,0	0.59	40.0	5800	160.0	23200	100	3.9	0,38
10.2WJB.05	5/16"	- 5	8,0	0.31	16,6	0.65	40.0	5800	160.0	23200	110	4.4	0,45
10.2WJB.06	3/8"	- 6	9,5	0.38	19,0	0.75	40.0	5800	160.0	23200	120	4.8	0,53
10.2WJB.08	1/2"	- 8	12,7	0.50	22,2	0.87	40.0	5800	160.0	23200	178	7.0	0,65

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Balflex® Balwash 155°C 2W 40.0MPa



Balflex® Balwash **155°C (+ 311°F)** 40.0MPa – 10.2WS0.

SMOOTH COVER

High pressure, double wire braid reinforced high temperature car wash hose



- Inner tube:** seamless hot water resistant synthetic rubber
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** black, oil, weather and abrasion resistant pin-pricked smooth synthetic rubber
- Safety factor:** 4: 1
- Application:** high temperature and high pressure cleaning professional equipments
- Temperature range:** 0°C (+ 32°F) **+ 155°C (+ 311°F)**
- Couplings:** Balflex® crimped fittings series 23 with ferrules series 20.

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.2WS0.04	1/4"	- 4	6,3	0.25	15,5	0.59	40.0	5800	160.0	23200	100	3.9	0,38
10.2WS0.05	5/16"	- 5	8,0	0.31	16,5	0.65	40.0	5800	160.0	23200	110	4.4	0,45
10.2WS0.06	3/8"	- 6	9,5	0.38	19,5	0.75	40.0	5800	160.0	23200	120	4.8	0,53
10.2WS0.08	1/2"	- 8	12,7	0.50	22,2	0.87	40.0	5800	160.0	23200	178	7.0	0,65

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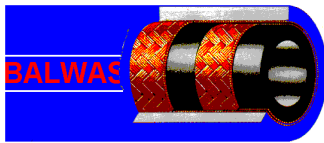
Balflex® Balwash 155°C 2W 40.0MPa

Balflex® Balwash **155°C (+ 311°F)** 40.0MPa – 10.2WSB.

SMOOTH COVER

BLUE COVER

High pressure, blue, double wire braid reinforced high temperature car wash hose



- Inner tube:** seamless hot water resistant synthetic rubber
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** blue, oil, weather and abrasion resistant pin-pricked smooth synthetic rubber
- Safety factor:** 4: 1
- Application:** high temperature and high pressure cleaning professional equipments
- Temperature range:** 0°C (+ 32°F) **+ 155°C (+ 311°F)**
- Couplings:** Balflex® crimped fittings series 23 with ferrules series 20.

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.2WSB.04	1/4"	- 4	6,3	0.25	15,5	0.59	40.0	5800	160.0	23200	100	3.9	0,38
10.2WSB.05	5/16"	- 5	8,0	0.31	16,5	0.65	40.0	5800	160.0	23200	110	4.4	0,45
10.2WSB.06	3/8"	- 6	9,5	0.38	19,5	0.75	40.0	5800	160.0	23200	120	4.8	0,53
10.2WSB.08	1/2"	- 8	12,7	0.50	22,2	0.87	40.0	5800	160.0	23200	178	7.0	0,65

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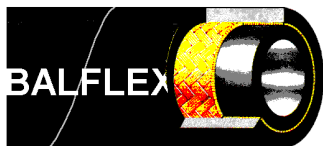
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Balflex® – The European Technology



High Pressure Wire Braid Jet Washing and Lubrification Hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)
Max. temperature recommended for water base hydraulic fluids: **+ 70°C (+ 158°F)**
- Couplings:** Max. temperature recommended for air: **+ 60°C (+ 140°F)**
Balflex® crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1190.04	1/4"	- 4	6,3	0.25	13,0	0.51	19.0	2750	76.0	11000	100	3.9	0,26

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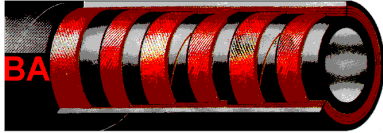
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Balflex® WATERBLAST 100.0MPa

Balflex® WATERBLAST 100.0MPa – 10.1022.

Extremely high pressure hose for Waterblasting



- Inner tube:** seamless synthetic rubber resistant to water at very high pressure
- Reinforcement:** 4 spirals (1/2"), 6 spirals (3/4") of high tensile steel wire
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 2.8: 1
- Application:** very high pressure waterblasting
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)
- Couplings:** crimped **Balflex® Waterblast** coupling serie

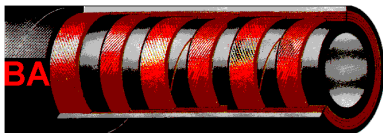
part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1022.08	1/2"	- 8	12,7	0.50	27,0	1.06	100.0	14500	280.0	40600	200	7.9	1.36
10.1022.12	3/4"	- 12	19,0	0.75	36,0	1.42	100.0	14500	280.0	40600	310	12.2	2.50



Balflex® WATERBLAST 120.0MPa

Balflex® WATERBLAST 120.0MPa – 10.1023.

Extremely high pressure hose for Waterblasting



- Inner tube:** seamless synthetic rubber resistant to water at very high pressure
- Reinforcement:** 6 spirals of high tensile steel wire
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 2.5: 1
- Application:** very high pressure waterblasting
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)
- Couplings:** crimped **Balflex® Waterblast** coupling serie

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1023.06	3/8"	- 6	9,5	0.38	23,8	0.94	120.0	17400	320.0	45700	155	6.1	1.12
10.1023.08	1/2"	- 8	12,7	0.50	29,0	1.14	120.0	17400	300.0	43500	210	8.3	1.45

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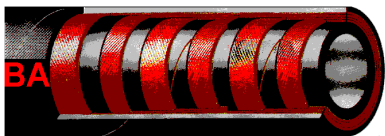
Balflex® – The European Technology

Balflex® WATERBLAST 140.0MPa



Balflex® WATERBLAST 140.0MPa – 10.1024.

Extremely high pressure hose for Waterblasting



- Inner tube:** seamless synthetic rubber resistant to water at very high pressure
- Reinforcement:** 6 spirals of high tensile steel wire
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 2.5: 1
- Application:** very high pressure waterblasting
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)
- Couplings:** crimped **Balflex® Waterblast** coupling serie

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1024.04	1/4"	- 4	6,4	0.25	20,6	0.81	140.0	20300	355.0	51475	150	5.9	0.92
10.1024.06	3/8"	- 6	9,5	0.37	24,0	0.94	140.0	20300	355.0	51475	180	7.1	1.37
10.1024.08	1/2"	- 8	12,7	0.50	29,0	1.14	140.0	20300	365.0	52925	230	9.1	1.90

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Balflex® SPIRJET – 10.2222. and 10.222W.

POM or PA very high pressure hoses with spirals of high tensile steel wire



- Inner tube:** internal core in polyamide (PA) or polyoxymethylene (POM)
- Reinforcement:** 2 spirals(10.2222), 4 spirals(10.222W) of high tensile steel wire
- Outer tube:** green polyamide (PA) (10.2222), black polyurethane (PUR) (10.222W)
- Safety factor:** 2.5: 1
- Application:** water base, petroleum base or synthetic base hydraulic fluids, water jet cleaning and cutting, extremely high pressure hydraulic fluids
- Temperature range:** - 30°C (- 22°F) + 60°C (+ 140°F)
- Couplings:** crimped **Balflex® Spirjet** coupling serie

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	kg/m
10.2222.04	1/8"	- 2	4,0	0.16	8,0	0.31	120.0	17400	300.0	43500	75	3.0	0.115
10.2222.06	1/4"	- 4	6,3	0.25	11,5	0.45	100.0	14500	250.0	36250	110	4.3	0.175
10.222W.08	5/16"	- 5	8,0	0.31	14,3	0.56	104.0	15080	260.0	37700	110	4.3	0.314

Balflex® produces other special **Spirjet** hoses up to 1" and with W.P. up to 320.0MPa / 46400PSI

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Balflex® PAINTSPRAY



Balflex® PAINT SPRAY – 10.1040.

Paint Spray hose 1 steel wire Braid



- Inner tube:** internal core in polyamide
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** blue pin pricked polyurethane high abrasion resistance
- Safety factor:** 4: 1
- Application:** high pressure airless spray systems, chemical resistance to solvents and aggressive fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F) max. temperature recommended for water base hydraulic fluids and air: **+ 70°C (+ 158°F)**
- Couplings:** crimped **Balflex® PaintSpray** coupling serie

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1040.03	3/16"	- 3	4,8	0.19	9,7	0.38	35.0	5000	140.0	20000	30	1.2	0,13
10.1040.04	1/4"	- 4	6,3	0.25	11,7	0.46	32.0	4650	128.0	18600	40	1.8	0,17
10.1040.05	5/16"	- 5	8,0	0.31	13,6	0.54	27.5	4000	110.0	16000	50	2.0	0,22
10.1040.06	3/8"	- 6	9,5	0.38	15,2	0.60	25.0	3600	100.0	14400	60	2.4	0,26
10.1040.08	1/2"	- 8	12,7	0.50	18,4	0.72	19.0	2750	76.0	11000	75	3.0	0,39
10.1040.12	3/4"	- 12	19,0	0.75	25,7	1.01	12.0	1750	48.0	7000	150	6.0	0,45

Balflex® PAINTSPRAY



Balflex® PAINT SPRAY – 10.1041.

Paint Spray hose 2 steel wire braids



- Inner tube:** internal core in polyamide
- Reinforcement:** 2 high tensile steel wire braids
- Outer tube:** blue pin pricked polyurethane high abrasion resistance
- Safety factor:** 4: 1
- Application:** high pressure airless spray systems, chemical resistance to solvents and aggressive fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F) max. temperature recommended for water base hydraulic fluids and air: **+ 70°C (+ 158°F)**
- Couplings:** crimped **Balflex® PaintSpray** coupling serie

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1041.04	1/4"	- 4	6,3	0.25	13,7	0.54	45.0	6500	180.0	26000	100	3.9	0,27
10.1041.05	5/16"	- 5	8,0	0.31	15,2	0.60	40.0	5800	160.0	23200	110	4.3	0,32
10.1041.06	3/8"	- 6	9,5	0.38	17,5	0.69	38.0	5500	152.0	22000	127	5.0	0,36
10.1041.08	1/2"	- 8	12,7	0.50	21,1	0.83	30.0	4350	120.0	17400	178	7.0	0,49
10.1041.12	3/4"	- 12	19,0	0.75	28,6	1.13	16.0	2300	64.0	9200	250	9.8	0,55

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Balflex® PAINTSPRAY

Balflex® PAINT SPRAY – 10.1042.

Paint Spray hose 1 or 2 aramidic braids



- Inner tube:** internal core in polyamide
- Reinforcement:** 1 or 2 high tensile aramidic braid with antistatic polymeric braid
- Outer tube:** blue pin pricked polyurethane high abrasion resistance
- Safety factor:** 4: 1
- Application:** high pressure airless spray systems, chemical resistance to solvents and aggressive fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F) max. temperature recommended for water base hydraulic fluids and air: **+ 70°C (+ 158°F)**
- Couplings:** crimped **Balflex® PaintSpray** coupling serie

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1042.03	3/16"	- 3	4,8	0.19	10,3	0.41	35.0	5000	140.0	20000	50	2.0	0,09
10.1042.04	1/4"	- 4	6,3	0.25	12,4	0.49	35.0	5000	140.0	20000	75	3.0	0,10
10.1042.06	3/8"	- 6	9,5	0.38	15,7	0.62	30.0	4350	120.0	17400	100	4.0	0,18
10.1042.08	1/2"	- 8	12,7	0.50	19,3	0.76	24.5	3500	98.0	14000	120	4.7	0,22

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Balflex® JETCLEAN – 10.1039.

Sewer jet cleaning hose



- Inner tube:** internal core in poliester
- Reinforcement:** 2 high tensile aramidic fiber braids
- Outer tube:** orange polyurethane high abrasion resistance
- Safety factor:** 2.5: 1
- Application:** sewer cleaning with high pressure water
- Temperature range:** - 40°C (- 40°F) + 65°C (+ 149°F)
- Couplings:** crimped **Balflex® Jetclean** coupling serie

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	kg/m
10.1039.08	1/2"	- 8	13,0	0.51	20,3	0.80	24.1	3500	60.3	8750	100	4.0	0,21
10.1039.10	5/8"	- 10	16,0	0.63	25,6	1.01	20.7	3000	51.7	7500	125	5.0	0,35
10.1039.12	3/4"	- 12	19,0	0.75	29,8	1.17	20.7	3000	51.8	7500	125	5.0	0,48
10.1039.16	1"	- 16	25,4	1.00	36,5	1.44	20.7	3000	51.8	7500	150	6.0	0,58

The **Balflex®** Sewer JETCLEAN hoses are supplied in lengths of 120 meters (393,7 feet) long

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Balflex® AIR BRAKE SAE J1402

Balflex® AUTOMOTIVE AIR BRAKE – 10.1049.

According to SAE J 1402

Air Brake hose



- Inner tube:** seamless air resistant synthetic rubber
- Reinforcement:** 1 high resistance synthetic fiber braid
- Outer tube:** black, weather and abrasion resistant synthetic rubber
- Safety factor:** 3: 1
- Application:** air brake lines on truck and buses
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)

part number	Ø nom	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1049.06	3/8"	- 6	9,5	0.37	19,0	0.75	2.0	300	6.0	900	100	3.9	0,26
10.1049.08	1/2"	- 8	12,7	0.50	22,0	0.87	2.0	300	6.0	900	125	4.9	0,36



Balflex® HYDRAULIC BRAKE SAE J1401

Balflex® SAE J 1401 HYDRAULIC BRAKE 1/8" – 10.1050.02

According to SAE J 1401

Hydraulic Brake hose



- Inner tube:** seamless, brake fluid resistant special compound synthetic rubber
- Reinforcement:** 2 high tensile synthetic textile braids
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 3: 1
- Application:** hydraulic brake lines for automobiles
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F)

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1050.02	1/8"	- 3	3,2	0.13	10,5	0.41	20.0	2900	60.0	8700	102	4.0	0,091

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Balflex® AIR CONDITIONING SAE J 2064



Balflex® AUTOMOTIVE AIR CONDITIONING VENEER TYPE – 10.1300.

According to **SAE J 2064** and **ISO 8066**

Air Conditioning hose R134a



- Inner tube:** seamless resistant synthetic rubber with PA barrier
- Reinforcement:** high resistance synthetic fiber braid
- Outer tube:** pin-pricked black, weather and abrasion resistant synthetic rubber
- Application:** air conditioning hose for mobile R12 and R134a systems; PAG, ester and mineral lubricants
- Temperature range:** - 30°C (- 22°F) + 125°C (+ 257°F)

part number	Ø nom.	dash size	Ø internal		Ø external		min. bend radius		weight
			mm	inch	mm	inch	mm	inch	kg/m
10.1300.06	5/16"	- 6	8,0	0.31	19,0	0.75	76,2	3.00	0,30
10.1300.08	13/32"	- 8	10,6	0.42	22,6	0.89	88,9	3.50	0,41
10.1300.10	1/2"	- 10	12,7	0.50	25,4	1.00	101,6	4.00	0,47
10.1300.12	5/8"	- 12	16,2	0.64	28,1	1,11	114,3	4.50	0,55

Balflex® AUTOMOTIVE AIR CONDITIONING BARRIER TYPE – 10.1350.

According to **SAE J 2064** and **ISO 8066**

Air Conditioning hose R134a

- Inner tube:** seamless resistant synthetic rubber
- Reinforcement:** high resistance synthetic fiber braid with PA barrier
- Outer tube:** pin-pricked black, weather and abrasion resistant synthetic rubber
- Application:** air conditioning hose for mobile R12 and R134a systems; PAG, ester and mineral lubricants
- Temperature range:** - 30°C (- 22°F) + 125°C (+ 257°F)

part number	Ø nom.	dash size	Ø internal		Ø external		min. bend radius		weight
			mm	inch	mm	inch	mm	inch	kg/m
10.1350.06	5/16"	- 6	8,0	0.31	19,0	0.75	76,2	3.00	0,30
10.1350.08	13/32"	- 8	10,6	0.42	22,6	0.89	88,9	3.50	0,41
10.1350.10	1/2"	- 10	12,7	0.50	25,4	1.00	101,6	4.00	0,47
10.1350.12	5/8"	- 12	16,2	0.64	28,1	1,11	114,3	4.50	0,55

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Balflex® A/C REFRIGERATION BUS & TRUCK

Balflex® BUS A/C AND REFRIGERATION TRUCK – 10.1301.

According to SAE J 2064 Type B Class I

Air Conditioning hose R134a for BUS Air Conditioning and TRUCK Refrigeration



- Inner tube:** IIR compound
- Reinforcement:** 1 steel wire braid
- Safety factor:** 4.3: 1
- Outer tube:** pin-pricked black, weather and abrasion resistant CSM compound
- Application:** air conditioning hose for R134a systems; PAG, ester and mineral lubricants
- Temperature range:** - 30°C (- 22°F) + 125°C (+ 257°F)

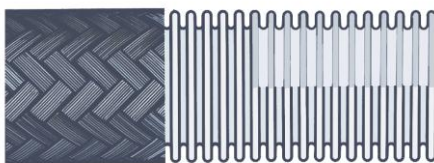
part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1301.16	7/8"	- 16	22,2	0.88	31,4	1.24	3.5	508	15.0	2175	155,0	6.10	0,78
10.1301.20	1.1/8"	- 20	28,6	1.13	38,1	1.50	3.5	508	15.0	2175	190,0	7.48	1,06

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Balflex® – The European Technology



Balflex® Balinox

Balinox is the corrugated stainless steel hose range by **Balflex®**. **Balinox** stainless steel hoses are produced to **Balflex®** specifications and to **ISO 10380** type 2 standards. It covers a wide variety of low to very high-pressure applications, in different grades of stainless steel, with different construction methods of the inner tube and of the reinforcement braid.

Stainless steel hoses facilitate relative movement of the parts to be connected, adapt to thermal expansion, resist to high pressure and offer good corrosion resistance to a wide range of fluids.

Balflex® optimized the production of these hoses in order to assure the highest performance and the most extensive range of applications. The **Balinox** range of stainless steel hoses offer a very wide variety of materials and construction solutions in order to suit the particular problems to be addressed.

The **Balinox** range of metal hoses in this catalogue includes:

- **Balinox 10.5211**. - Wide pitch annular corrugated stainless steel AISI 321 hose with one braid AISI 304
- **Balinox 10.5161**. - Wide pitch annular corrugated stainless steel AISI 316L hose with one braid AISI 304

General Guidelines

Normally, the following aspects should be considered when choosing a stainless steel hose:

- the chemical reactivity of the product to be conveyed by the hose;
- the temperature of the product to be conveyed;
- the pressure of the product to be conveyed;
- the kind of flow of the product to be conveyed (pulsation or high velocity);
- the geometry of the parts to be connected and the degree of movement required, the bend radius and unsupported lengths;
- the environmental conditions.

1. Suitability of corrugated metal hose assemblies

Corrugated metal hose assemblies are basically suitable for the transport of critical fluids under pressure and temperature.

The required flexibility of the corrugated hose generally results in a wall thickness considerably smaller than that of all other parts of the system in which they are installed. Therefore, increasing the wall thickness of the hose to prevent damages caused by corrosion is not reasonable and it becomes essential to select a suitable material for the flexible element which is sufficiently resistant against all corrosive media that may occur during the entire lifetime. In many cases, the hose has to be manufactured out of a material with even higher corrosion resistance than those of the system parts it is connected to.

In addition, possible corrosive environmental effects must be considered.

The material selection must take into account all possible kinds of corrosion, especially pitting corrosion, intergranular corrosion, crevice corrosion and stress corrosion cracking (SCC).

2. Selection of a suitable material

The material for the corrugated hose is to be selected according the specific aggressiveness of the operating fluid or of the surrounding atmosphere.

Recommendations for the selection of materials are given under www.euroqualiflex.com.

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3. Prevention of corrosive effects during operation of the plant

Any uncertainties concerning the exact composition of the working fluid, differing operating states, and other peripheral service conditions may additionally increase the danger of corrosion and have to be taken into account.

4. Responsibility of the hose manufacturer

The responsibility of the hose manufacturer covers the functional design of the hose assembly according to the given information, as pressures, temperatures, movements, kind of application and additional loadings, and also the material concerning its formability and weldability.

In addition, BALFLEX techn staff contribute their wide scope of experience when assisting the user in selecting a suitable material for the special application.

But, with regard to the influences of the actual operating situation given (see point 3) only the user can take full responsibility for the selected material. The advice of the hose manufacturer can only be given without obligation, i.e. without any liability for the material to be properly selected.

Selection of the hose

Chemical reactivity

Balinox Stainless Steel hose is supplied in the following grades:

- **AISI 321**
- **AISI 316**

The different grades have different chemical resistance to the fluids or gases to be conveyed. **AISI 321** grade suits most applications; **AISI 316** is used for more demanding applications. The Chemical Resistance Chart shows the suitability of the two grades in terms of corrosion resistance to the most common products to be conveyed.

The corrosion resistance of the end fittings should also be considered at this point. **AISI 321** can be used with stainless steel, carbon steel and copper based alloys fittings, which offer a wide variety of corrosion and mechanical resistance. Carbon steel fittings should not be welded on **AISI 316** hose; normally **AISI 316** applications require also stainless steel fittings.

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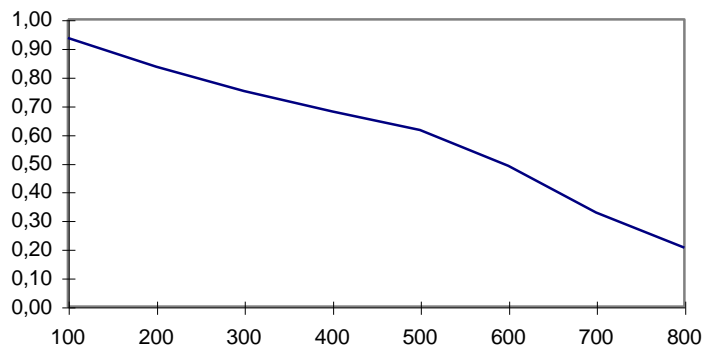


Temperature

The different grades allow different maximum working temperatures. The maximum working temperature is of 800°C (1472°F) for the **AISI 321** and **AISI 316** grades, and of 450°C for the **AISI 304** grade. Brass fittings and galvanizing allow a maximum working temperature of 220°C (428°F).

High working temperatures and alternation of high and low temperatures accelerate corrosion and imply a decrease in life expectancy of the hose. Chart 1 recommends a de-rating factor for pressure rating and bend radius as a function of working temperature. Please consult for more information.

Chart 1: Temperature de-rating factor for working pressure



Note: Enter the working temperature in °C (°F) in the horizontal axis and read the de-rating factor on the vertical axis. Apply this factor to the maximum working pressure of the hose rated for ambient temperature to obtain the actual working pressure at the project temperature. Likewise apply the inverse coefficient to the minimum bend radius.

Pressure

The construction type of the hose influences mainly its mechanical resistance and flexibility. The corrugated inner tube allows for flexibility and tightness. The external braid or braids allow for increased pressure resistance. **Balinox®** hoses are supplied standard with none, one or two braids of **AISI 304**. Other braids or external sleeves may be supplied and fit into the assemblies. Double-walled hoses allow higher working pressures while maintaining high flexibility.

Pulsating and high velocity flows

Pulsating flows, such as exhaust of alternating machines or discharge controlled by fast operating valves, can force the assembly into vibration, which causes premature failure of the assembly. High velocity flows (5 m/s for liquids, 10 m/s for saturated vapor and 50 m/s for gases) can also force the corrugations into vibration.

Vibrations can be avoided through the use of an adequate interlocked flexible internal liner, that smoothes the flow. Double-walled inner tube also reduces vibration hazard.

Installation geometry

The construction type of the hose influences mainly its mechanical resistance and flexibility. **Balinox®** Stainless Steel hose is supplied in the following construction variations:

- annular or helical corrugated
- narrow or wide pitch
- single or double walled
- unbraided or braided
- unlined or lined

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The flexibility of the hose is limited. The minimum bend radius of the hose is a very important parameter for hose selection. Installation should always take into consideration the need to respect the minimum bend radius of the hose. The static minimum bend radius is the minimum bend radius that can be achieved once, at installation, for connection of static parts. The dynamic minimum bend radius is the minimum flexure radius that shall be considered for a constant motion.

The determination of the length of the hose should allow for thermal expansion and for the minimum bend radius necessary for the motion and offset of the assembly. Flexing must be always limited to one plane.

The catalogue pages list the minimum bend radius of the standard **Balinox**® hoses. For other construction variations please consult. Table 2 gives equations for calculation of hose lengths for different common situations.

Care should be given to fluid and hose weight on unsupported lengths of hose and its effect on bending the hose beyond the minimum bend radius. Hose support should be used in order to restrain the hose at the inferior horizontal axis level.

Environmental conditions

Abrasion can damage the external braid and thus reduce sharply the pressure resistance of the hose. External abrasion, mechanical shock or external exposure to extreme temperatures and aggressive media should be considered when choosing external braid, sleeves or other protection elements. A larger diameter metal or rubber hose may be fit on the outside, as well as insulating braided sleeves.

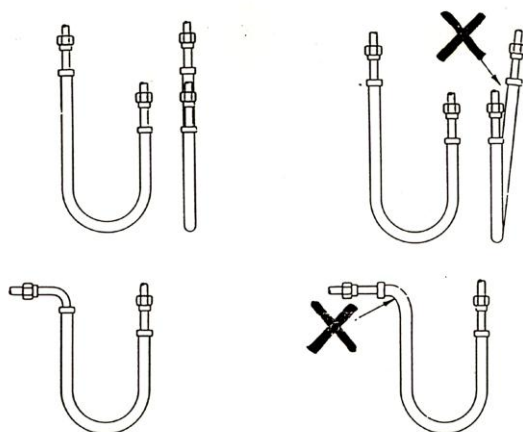
Assembly, Installation and Servicing

All hoses should be handled and installed without twisting or torsion (see examples below). The twisting of the hose causes shear stress and significantly reduces service life. To avoid the possibility of applying torsion when tightening fittings, free swiveling connections should be used at both ends.

Braid damage significantly reduces pressure resistance. Visual inspection of the outer braid should be made. Braids that show wire cuts should be proportionally pressure underrated.

Stainless steel hoses should be hydrostatically tested before installation at 150% of working pressure for 1 minute.

Some applications require special cleaning procedures like degreasing, washing and drying. Care should be taken to use non-aggressive solvents. The same applies when servicing the equipment to which the hose were assembled.



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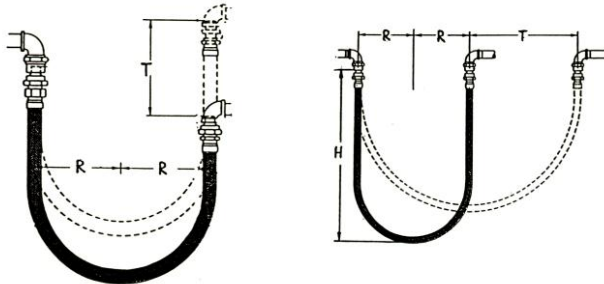
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Table 2: Equations for calculation of hose lengths

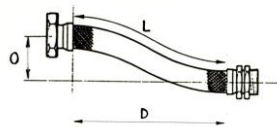
2.1 Equation for calculation of hose length in an installation with a 180° loop and travel length in the same plane:



$$L = X + \pi R + 1/2 T$$

$$H = 1/2 (L - \pi R) + R$$

2.2 Equation for calculation of hose length in an off-set static installation:



$$L = X + 2,86 R_s \arccos (1 - O / 2R_s)$$

$$D = 2,86 R_s \sin (L / 2,86 R_s)$$

2.3 Equation for calculation of hose length in an off-set dynamic installation:

$$L = X + 4,42 R \arccos (1 - O / 2R)$$

$$D = 4,42 R \sin (L / 4,42 R)$$

in which

- L = Developed length of the hose
- X = constant (see table 2.4) for the straight length needed at the end of the hose
- R = radius of the half loop (\geq dynamic minimum bend radius)
- R_s = static minimum bend radius
- T = travel distance of the moving end of the hose
- O = Off-set of the two ends of the hose
- D = Distance between hose ends

2.4 Table for determination of the straight length needed at the end of the hose

DN	6	10	16	19	25	31	39	50
X (mm)	50	75	100	125	150	175	200	250

Construction characteristics and dimensions may be changed at any time without prior notice.

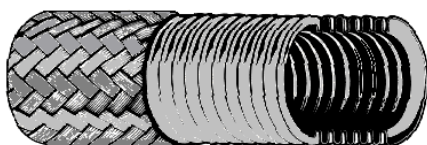
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Balflex® BALINOX AISI 321

Stainless Steel Annular Corrugated Tube with Stainless Steel Wire Braid



Balflex® BALINOX AISI 321 WITH 304 BRAID – 10.5211

According to *ISO 10380 type 2*

Inner tube : AISI 321 annular corrugated stainless steel
Outer cover : one stainless steel AISI 304 braid
Application : steam, chemicals, oxygen, thermofluid, naphta, cryogening
Temperature range : - 200°C (-328°F) + 600°C (+ 1112°F)

part number	Ø nom		Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
	inch	mm	inch	mm	inch	mm	bar	PSI	bar	PSI	mm	inch	
10.5211.006	1/4"	8,0	0.31	12,2	0.48	100	1450	400	5800	25,0	0.98	0,30	
10.5211.010	3/8"	11,0	0.43	16,0	0.63	90	1305	360	5220	40,0	1.57	0,40	
10.5211.013	1/2"	12,0	0,47	19,5	0.77	80	1160	320	4640	50,0	1.97	0,50	
10.5211.020	3/4"	20,0	0.79	28,0	1.10	64	928	256	3712	70,0	2.76	0,62	
10.5211.025	1"	25,0	0.98	34,0	1.34	50	725	200	2900	90,0	3.54	0,80	
10.5211.032	1.1/4"	32,0	1.26	43,0	1.69	40	580	160	2320	110,0	4.33	1,20	
10.5211.040	1.1/2"	40,0	1.57	51,0	2.01	30	435	120	1740	130,0	5.12	1,30	
10.5211.050	2"	50,0	1.97	65,0	2.56	28	406	112	1624	175,0	6.89	1,80	
10.5211.065	2.1/2"	65,0	2.56	81,0	3.19	24	348	96	1392	200,0	7.87	2,40	
10.5211.075	3"	80,0	3.15	96,0	3.78	18	261	72	1044	205,0	8.07	3,40	
10.5211.100	4"	100,0	3.94	118,0	4.65	16	232	64	928	230,0	9.06	3,60	
10.5211.125	5"	125,0	4.92	150,0	5.91	12	174	48	696	280,0	11.02	7,40	
10.5211.150	6"	150,0	5.91	175,0	6.89	10	145	40	580	320,0	12.60	8,40	
10.5211.200	8"	198,0	7.80	225,0	8.86	8	116	32	464	435,0	17.13	12,00	

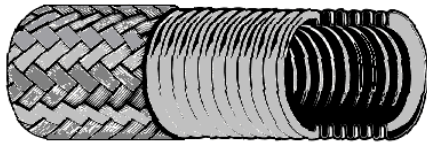
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Stainless Steel Annular Corrugated Tube with Stainless Steel Wire Braid



Balflex® BALINOX AISI 316L WITH 304 BRAID – 10.5161

According to **ISO 10380** type 2

- Inner tube** : AISI 316L annular corrugated stainless steel
- Outer cover** : one stainless steel AISI 304 braid
- Application** : steam, chemicals, oxygen, thermofluid, naphta, cryogening
- Temperature range** : - 200°C (-328°F) + 600°C (+ 1112°F)

part number	Ø nom		Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
	inch	mm	inch	mm	inch	mm	bar	PSI	bar	PSI	mm	inch	
10.5161.006	1/4"	8,0	0.31	12,2	0.48	12,2	100	1450	400	5800	25,0	0.98	0,30
10.5161.010	3/8"	11,0	0.43	16,0	0.63	16,0	90	1305	360	5220	40,0	1.57	0,40
10.5161.013	1/2"	12,0	0.47	19,5	0.77	19,5	80	1160	320	4640	50,0	1.97	0,50
10.5161.020	3/4"	20,0	0.79	28,0	1.10	28,0	64	928	256	3712	70,0	2.76	0,62
10.5161.025	1"	25,0	0.98	34,0	1.34	34,0	50	725	200	2900	90,0	3.54	0,80
10.5161.032	1.1/4"	32,0	1.26	43,0	1.69	43,0	40	580	160	2320	110,0	4.33	1,20
10.5161.040	1.1/2"	40,0	1.57	51,0	2.01	51,0	30	435	120	1740	130,0	5.12	1,30
10.5161.050	2"	50,0	1.97	65,0	2.56	65,0	28	406	112	1624	175,0	6.89	1,80
10.5161.065	2.1/2"	65,0	2.56	81,0	3.19	81,0	24	348	96	1392	200,0	7.87	2,40
10.5161.075	3"	80,0	3.15	96,0	3.78	96,0	18	261	72	1044	205,0	8.07	3,40
10.5161.100	4"	100,0	3.94	118,0	4.65	118,0	16	232	64	928	230,0	9.06	3,60
10.5161.125	5"	125,0	4.92	150,0	5.91	150,0	12	174	48	696	280,0	11.02	7,40
10.5161.150	6"	150,0	5.91	175,0	6.89	175,0	10	145	40	580	320,0	12.60	8,40
10.5161.200	8"	198,0	7.80	225,0	8.86	225,0	8	116	32	464	435,0	17.13	12,00

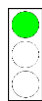
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Stainless Steel Chemical Resistance Chart



RECOMMENDED



RECOMMENDED WITH RESTRICTIONS



NOT RECOMMENDED

Fluids	SS grade		Fluids	SS grade	
	AISI 316L	AISI 321		AISI 316L	AISI 321
Acetic acid all concentrations, 20°C			Ammonium sulfate, 1% - 5%		
Acetic acid all concentrations, boiling			Ammonium sulfate, 10%		
Acetic anhydride			Ammonium sulfite, 20°C, boiling		
Acetone			Amyl acetate, amyl chloride		
Acetyl chloride			Aniline		
Acetylene			Argon, liquid		
Air			Barium carbonate		
Aluminium acetate			Barium hydroxide		
Aluminium chloride 10%, quiescent			Barium nitrate		
Aluminium chloride 25%, quiescent			Barium sulfate		
Aluminium hydroxide			Barium sulfide		
Aluminium sulfate all concentrations, 20°C			Benzene, 20°C or hot		
Aluminium sulfate, boiling			Benzoic acid		
Ammonia, anhydrous			Boric acid,		
Ammonia, anhydrous hot gas			Borax, 5%		
Ammonia, liquor			Butane		
Ammonium bromide			Butyl acetate		
Ammonium carbonate, 1% - 5%			Butyric acid		
Ammonium chloride, 1% - 10%			Calcium carbonate		
Ammonium chloride higher concentrations			Calcium chlorate		
Ammonium bicarbonate, hot			Calcium chloride		
Ammonium hydroxide all concentrations			Calcium hypochlorite, 2%		
Ammonium monophosphate			Calcium hydroxide, 10% - 20%		
Ammonium nitrate, boiling			Calcium sulfate, saturated		
Ammonium oxalate, 5%			Carbonated water		
Ammonium perchlorate 10%, boiling			Carbonic acid, saturated solution		
Ammonium persulfate, 5%			Carbon dioxide		
Ammonium phosphate, 5%			Carbon disulfide		

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Fluids	SS grade		Fluids	SS grade	
	AISI 316L	AISI 321		AISI 316L	AISI 321
Carbon tetrachloride			Glycerine		
Carbon tetrachloride commercial + 1% water			Hydrochloric acid		
Cellulose			Hydrocyanic acid		
Chloroacetic acid			Hydrofluoric acid		
Chlorine gas			Hydrogen peroxide		
Chlorinated water, saturated			Hydrogen sulfide, dry		
Chloroform			Hydrogen sulfide, wet		
Chromium plating bath			Iodoform		
Chloroethane			Iron 2 chloride		
Citric acid, still			Iron 3 chloride, 1%, 20°C		
Citric acid, boiling			Iron 3 chloride, 1%, boiling		
Copper acetate			Iron 3 hydroxide		
Copper carbonate			Iron 3 nitrate		
Copper cyanide			Iron 2 sulfate		
Copper nitrate			Kerosene		
Copper sulfate			Lactic acid, 1%		
Creosote			Lactic acid, 5% and more, 20°C		
Cyanogen gas			Lactic acid, 5% and more, boiling		
Cichloroethane			Lead diacetate, 5%		
Diethyl ether			Linseed oil		
Ethylene glycol			Magnesium chloride quiescent, 20°C		
Ethanol, 20°C and boiling			Magnesium chloride quiescent, hot		
Ethyl acetate concentrated solution			Magnesium sulfate		
Ethylene chloride			Mercury		
Fluorine, gas, moist			Methane, liquid		
Formaldehyde, 40%			Methanol, boiling		
Formic acid			Naphtha		
Furfural			Naphthalene sulphonic acid		
Gglue solution (acid)			Nickel chloride solution		

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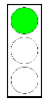
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Fluids	SS grade		Fluids	SS grade	
	AISI 316L	AISI 321		AISI 316L	AISI 321
Nickel sulfate			Potassium hypochlorite		
Nitre cake			Potassium nitrate		
nitric acid 5%, 50%, 70%, boiling			Potassium permanganate, 5%		
nitric acid, 65%, 20°C			Potassium sulfate		
nitric acid, 65%, boiling			Potassium sulphite		
nitric acid, concentrated, 20°C			Propane		
Nitric acid, concentrated, boiling			Sea water		
Nitrogen, liquid			Silver bromide		
Oil, crude			Silver nitrate		
Oil, vegetable, mineral			Sodium acetate		
Oleic acid			Sodium carbonate, 5%, 50%		
Oxalic acid, 20°C			Sodium chloride, saturated, 20°C		
Oxalic acid, boiling			Sodium chloride saturated, boiling		
Oxygen, liquid			Sodium cyanide		
Paraffin, hot			Sodium fluoride, 5%, solution		
Petrol			Sodium bicarbonate		
Petroleum ether			Sodium bisulfate, solution		
Phenol			Sodium bisulfate saturated solution		
Phosphoric acid, 1%, 5%			Sodium hydroxide		
Phosphoric acid, 10%, quiescent			Sodium hypochlorite		
Phosphoric acid, 80%			Sodium nitrate		
Potassium bromide			Sodium perchlorate, 10%		
Potassium carbonate			Sodium phosphate		
Potassium chlorate			Sodium sulfate		
Potassium chloride			Sodium sulfite		
Potassium chromium sulfate, 5%			Sodium thiosulphate		
Potassium cyanide			Sodium thiosulphite		
Potassium bichromate			Steam		
Potassium ferricyanide			Stearic acid		
Potassium oxalate			Sulfur, moist		
Potassium hydroxide, 5%, 27%			Sulfur, molten		

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Stainless Steel Chemical Resistance Chart



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Fluids	SS grade	
	AISI 316L	AISI 321
Sulfur chloride, dry		
Sulfur dioxide gas, moist		
Sulfur dioxide gas, dry		
Sulfuric acid, 5%, 10%		
Sulfuric acid, 50%		
Sulfuric acid, concentrated, 20°C		
Sulfuric acid concentrated, boiling		
Sulphurous acid		
Tannic acid		
Tartaric acid, 20°C		
Tartaric acid, boiling		
Tin 2 chloride saturated		
Tin 4 chloride solution		
Trichloroacetic acid		
Trichloroethylene, dry		
Trichloroethylene, moist		
Vinegar		
Water, potable		
Yeast		
Zinc chloride, 5%, still		
Zinc cyanide, moist		
Zinc nitrate, solution		
Zinc sulfate		

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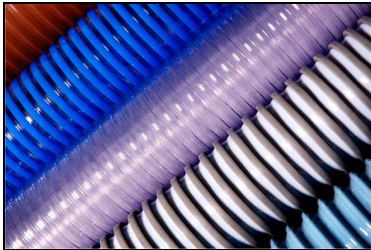
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Balflex® PVC Hoses

The range of **Balflex®** PVC Hoses, manufactured according to **Balflex®** specifications comprehends a wide variety of braid and spiral hoses (PVC rigid spiral wound and steel spiral wound to meet different applications).



Balflex® optimized the production of these hoses and their compatibility with a wide range of fluids so as to assure a more extensive and complete offer.

All the **Balflex®** PVC hoses are made from the best quality compound with virgin raw material so as to assure the best performance.

The program of **Balflex®** PVC hoses includes :

Generalities about PVC

The letters PVC are the initials of **PolyVinylChloride** or **Polyvinyl Chloride**

PVC has as the main raw material the sodium chloride (kitchen salt), which is present in underground mines (mineral salt) and in unlimited amounts in the sea. It corresponds to 57% of its composition. The remaining 43% come from oil derived or alternatively from other sources such as calcium carbide and sugar cane.

The chlorine is obtained from sea-salt (sodium chloride) through electrolysis process. The electrolysis is a process that separates the chemical elements of a compound through the use of electricity. In a summarized way, first the decomposition is proceeded (ionization or disassociation) of the ions compound and, after that, with the passage of a continuous current through these ions, chemical elements are obtained. In many cases, depending on the substance to be electrolyzed and the means where it occurs, besides forming elements the formation of new compounds also occurs. The electrolysis process is a reaction to oxidoreduction opposite to the one that occurs in an electrolytic cell, being, thus, a non-spontaneous physico-chemical phenomenon.

To turn PVC resin into hose, it is necessary the mixture of several additives that will give each hose the appropriate characteristics to each application. The most used additives in PVC compounds for the hose manufacturing are the plastifiers, the thermal stabilizer, the pigments, the impact modifiers, the charges and the processing auxiliaries.

PVC, which is inactive, is one of the materials that present better resistance to the sterilization methods (vaporization, oxide of ethylene or gamma rays).

PVC can be manufactured in every color by the addition of pigments, which make easier the identification of the hoses according to the use they are intended for.

PVC is a product that can be considered ecological because it is 100% recyclable.

Generalities about PVC hoses

Fluid compatibility:

It is necessary to verify the fluid compatibility with the hose. A fluid that chemically attacks the hose can lead to contamination and obstruction of the equipment elements and to an early failure of the hose. The presence of gases requires special attention. The table of chemical resistance indicates the PVC compatibility with some fluids. Refer to **Balflex®** for the compatibility of other fluids. In case of doubt it is recommended a previous test.

Temperature:

Excessive temperature is one of the PVC considerable restrictions, which provokes its accelerated aging. The fluid temperature, either functioning or not, it must not exceed the maximum functioning temperature indicated for the PVC of + 55°C (+ 131°F). It is also necessary to pay attention to the room temperature, mainly the one that results from heat sources in the proximity of the flexible.

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Balflex® – The European Technology

Balflex® WATERMASTER Garden 180PSI



Balflex® WATERMASTER GARDEN 180PSI – 12.1020

Flexible Hose of PVC compound with one braid



- Inner tube :** PVC compound, highly flexible, resistant to abrasion
- Internal surface :** smooth, passage facilitator
- Reinforcement :** 1 braid of high tensile synthetic yarn
- Outer tube :** transparent PVC, highly flexible, resistant to ozone, UV rays and to abrasion
- Color :** inner tube black / outer tube bluish transparent crystal
- Coil lenght :** 50 / 100 meters
- Safety factor :** 3 : 1
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** gardening services that need reinforced hose, resistant to pressure, weather and ultra-violet rays attack.

part number	Ø nom.	dash size	Ø internal	Ø external	working pressure		min. burst pressure	
			mm	mm	MPa	PSI	MPa	PSI
12.1020.08	1/2"	- 8	12,7	17,8 ± 0,3	1.2	180	3.6	540
12.1020.12	3/4"	- 12	19,1	25,1 ± 0,3	1.2	180	3.6	540

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Balflex® – The European Technology



Balflex® BALCRISTAL PT 250

Balflex® BALCRISTAL AIR & WATER – 12.1030

PVC Flexible Hose for Air & Water 250 PSI



- Inner tube :** transparent PVC, highly flexible, resistant to abrasion
- Internal surface :** smooth, passage facilitator
- Reinforcement :** 1 braid of high tensile synthetic yarn
- Outer tube :** transparent PVC, highly flexible, resistant to ozone, UV rays and to abrasion
- Color :** transparent crystal
- Coil lenght :** 50 / 100 meters
- Safety factor :** 3 : 1
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** industrial services of air and water, in compressors, pneumatic facilities, washing services and water or air conduction where it is important the visual follow-up of the operations.

part number	Ø nom.	dash size	Ø internal	Ø external	working pressure		min. burst pressure	
			mm	mm	MPa	PSI	MPa	PSI
12.1030.04	1/4"	- 4	6,4 ± 0,3	10,8	1.7	250	5.1	750
12.1030.05	5/16"	- 5	7,9 ± 0,3	12,8	1.7	250	5.1	750
12.1030.06	3/8"	- 6	9,5 ± 0,3	15,0	1.7	250	5.1	750
12.1030.08	1/2"	- 8	12,7 ± 0,3	18,0	1.7	250	5.1	750
12.1030.10	5/8"	- 10	15,8 ± 0,5	21,3	1.7	250	5.1	750
12.1030.12	3/4"	- 12	19,1 ± 0,5	25,0	1.7	250	5.1	750
12.1030.16	1"	- 16	25,4 ± 0,5	32,6	1.7	250	5.1	750

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Balflex® – The European Technology

Balflex® BALCRISTAL PT 250



Balflex® BALCRISTAL FOOD QUALITY – 12.1010

Low pressure, textile braid reinforced, non-toxic, odor and tasteless, food-quality PVC water hose



- Inner tube** : transparent PVC, highly flexible, resistant to abrasion, non-toxic, food quality
- Internal surface** : smooth, passage facilitator
- Reinforcement** : 1 braid of high tensile synthetic yarn
- Outer tube** : transparent PVC, highly flexible, resistant to ozone, UV rays and to abrasion
- Color** : transparent crystal
- Safety factor** : 3 : 1
- Temperature range** : - 10°C (+14°F) + 55°C (+ 131°F)
- Application** : food industry

part number	Ø nom.	dash size	Ø internal		working pressure		min. burst pressure	
			mm	mm	MPa	PSI	MPa	PSI
12.1010.06	1/4"	- 4	6	11	2.0	280	6.0	840
12.1010.08	5/16"	- 5	8	13	2.0	280	6.0	840
12.1010.10	3/8"	- 6	10	15	1.5	210	4.5	630
12.1010.12	15/32"	- 7	12	17	1.5	210	4.5	630
12.1010.13	1/2"	- 8	13	18	1.2	170	3.6	510
12.1010.16	5/8"	- 10	16	21	1.0	150	3.0	450
12.1010.19	3/4"	- 12	19	25	1.0	150	3.0	450
12.1010.25	1"	- 16	25	32	0.8	110	2.4	330
12.1010.32	1-1/4"	- 20	32	42	0.7	102	2.1	306
12.1010.38	1-1/2"	- 24	38	48	0.7	102	2.1	306
12.1010.45	1-3/4"	- 28	45	55	0.7	102	2.1	306
12.1010.50	2"	- 32	50	62	0.7	102	2.1	306

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Balflex® – The European Technology



Balflex® AIRPRESSOR PT 300

Balflex® AIRPRESSOR AIR & WATER – 10.1234

Flexible Hose of PVC compound for Air & Water 300 PSI



- Inner tube :** black PVC compound, highly flexible, resistant to abrasion
- Internal surface :** smooth, passage facilitator
- Reinforcement :** 1 braid of high tensile synthetic yarn
- Outer tube :** black PVC compound, resistant to ozone, UV rays and to abrasion
- Coil lenght :** 50 / 100 meters
- Safety factor :** 3 : 1
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** industrial services of air and water, in compressors, pneumatic facilities, washing services and for water and air conduction

part number	Ø nom.	dash size	Ø internal		working pressure		min. burst pressure	
			mm	mm	MPa	PSI	MPa	PSI
10.1234.04	1/4"	- 4	6,4 ± 0,3	12,2	2.0	300	6.0	900
10.1234.05	5/16"	- 5	7,9 ± 0,3	14,0	2.0	300	6.0	900
10.1234.06	3/8"	- 6	9,5 ± 0,3	15,7	2.0	300	6.0	900
10.1234.08	1/2"	- 8	12,7 ± 0,3	18,0	2.0	300	6.0	900
10.1234.10	5/8"	- 10	15,8 ± 0,5	22,0	2.0	300	6.0	900
10.1234.12	3/4"	- 12	19,1 ± 0,5	25,5	2.0	300	6.0	900
10.1234.16	1"	- 16	25,4 ± 0,5	32,0	2.0	300	6.0	900

Balflex® AIRPRESSOR AIR & WATER RED – 10.1234.R

- Inner tube :** black PVC compound, highly flexible, resistant to abrasion
- Internal surface :** smooth, passage facilitator
- Reinforcement :** 1 braid of high tensile synthetic yarn
- Outer tube :** red PVC compound, resistant to ozone, UV rays and to abrasion
- Coil lenght :** 50 / 100 meters
- Safety factor :** 3 : 1
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** industrial services of air and water, in compressors, pneumatic facilities, washing services and for water and air conduction

part number	Ø nom.	dash size	Ø internal		working pressure		min. burst pressure	
			mm	mm	MPa	PSI	MPa	PSI
10.1234.04R	1/4"	- 4	6,4 ± 0,3	12,2	2.0	300	6.0	900
10.1234.05R	5/16"	- 5	7,9 ± 0,3	14,0	2.0	300	6.0	900
10.1234.06R	3/8"	- 6	9,5 ± 0,3	15,7	2.0	300	6.0	900
10.1234.08R	1/2"	- 8	12,7 ± 0,3	18,0	2.0	300	6.0	900
10.1234.10R	5/8"	- 10	15,8 ± 0,5	22,0	2.0	300	6.0	900
10.1234.12R	3/4"	- 12	19,1 ± 0,5	25,5	2.0	300	6.0	900
10.1234.16R	1"	- 16	25,4 ± 0,5	32,0	2.0	300	6.0	900

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Balflex® – The European Technology

Balflex® AUTOWASH 5.2MPa / 750PSI



Balflex® AUTOWASH Car Wash 750PSI – 10.1224.

Flexible Hose of PVC compound with 2 braids Car Wash 750PSI

BALFLEX AUTO



- Inner tube :** PVC compound, highly flexible, resistant to abrasion
- Internal surface :** smooth, passage facilitator
- Reinforcement :** 2 braids of high tensile synthetic yarn
- Outer tube :** PVC compound, highly flexible, resistant to ozone, UV rays and to abrasion
- Color :** black inner tube / blue outer tube
- Coil length :** 50 / 100 meters
- Safety factor :** 3 : 1
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** car washing services or industrial pressure washing

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure	
			mm	mm	mm	mm	MPa	PSI	MPa	PSI
10.1224.08	1/2"	- 8	12,7 ± 0,3	24,0 ± 0,3	5.2	750	15.6	2250		

Balflex® AUTOWASH 8.0MPa / 1160PSI



Balflex® AUTOWASH Car Wash 1160PSI – 10.1223.

Flexible Hose of PVC compound with 2 braids Car Wash 1160PSI

BALFLEX AUTO



- Inner tube :** PVC compound, highly flexible, resistant to abrasion
- Internal Surface :** smooth, passage facilitator
- Reinforcement :** 2 braids of high tensile synthetic yarn
- Outer tube :** PVC compound, highly flexible, resistant to ozone, UV rays and to abrasion
- Color :** black inner tube / blue outer tube
- Coil length :** 50 / 100 meters
- Safety factor :** 3 : 1
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** car washing services or industrial pressure washing

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure	
			mm	mm	mm	mm	MPa	PSI	MPa	PSI
10.1223.08	1/2"	- 8	12,7 ± 0,3	24,0 ± 0,3	8.0	1160	24.0	3480		

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Balflex® – The European Technology



Balflex® BALSPRAY 580PSI – 12.1004.

Flexible Hose of PVC compound for Agricultural Pulverization



- Inner tube** : PVC compound black, highly flexible, resistant to abrasion
- Internal surface** : smooth, passage facilitator
- Reinforcement** : braid of high tensile synthetic yarn
- Outer tube** : PVC compound, resistant to ozone, UV rays and to abrasion
- Color** : black inner tube / orange outer tube
- Coil length** : 100 meters
- Safety factor** : 3 : 1
- Temperature range** : - 10°C (+14°F) + 55°C (+ 131°F)
- Application** : services of pulverization of insecticide, herbicides and pesticides

part number	Ø nom.	dash size	Ø internal	Ø external	working pressure		min. burst pressure	
			mm	mm	MPa	PSI	MPa	PSI
12.1004.04	1/4"	- 4	6,4 ± 0,3	11,0 ± 0,3	4.0	580	12.0	1740
12.1004.05	5/16"	- 5	7,9 ± 0,3	13,5 ± 0,3	4.0	580	12.0	1740
12.1004.06	3/8"	- 6	9,5 ± 0,3	16,0 ± 0,3	4.0	580	12.0	1740
12.1004.08	1/2"	- 8	12,7 ± 0,3	20,0 ± 0,3	4.0	580	12.0	1740
12.1004.12	3/4"	- 12	19,1 ± 0,5	28,0 ± 0,4	4.0	580	12.0	1740

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Balflex® – The European Technology

Balflex® BALSPRAY PLUS



Balflex® BALSPRAY PLUS 750PSI – 12.1002.

Flexible Hose of PVC compound with 2 braids for Agricultural Pulverization



- Inner tube** : PVC compound green, highly flexible, resistant to abrasion
- Internal surface** : smooth, passage facilitator
- Reinforcement** : 2 braids of high tensile synthetic yarn
- Outer tube** : PVC compound, resistant to ozone, UV rays and to abrasion
- Color** : green inner tube / orange outer tube
- Coil length** : 50 / 100 meters
- Safety factor** : 3 : 1
- Temperature range** : - 10°C (+14°F) + 55°C (+ 131°F)
- Application** : services of pulverization of insecticide, herbicides and pesticides

part number	Ø nom.	dash size	Ø internal	Ø external	working pressure		min. burst pressure	
			mm	mm	MPa	PSI	MPa	PSI
12.1002.04	1/4"	- 4	6,4 ± 0,3	13,6 ± 0,3	5.2	750	15.5	2250
12.1002.05	5/16"	- 5	7,9 ± 0,3	15,1 ± 0,3	5.2	750	15.5	2250
12.1002.06	3/8"	- 6	9,5 ± 0,3	16,9 ± 0,3	5.2	750	15.5	2250
12.1002.08	1/2"	- 8	12,7 ± 0,3	21,9 ± 0,3	5.2	750	15.5	2250
12.1002.10	5/8"	- 10	15,8 ± 0,5	25,0 ± 0,4	4.5	650	13.5	1950
12.1002.12	3/4"	- 12	19,1 ± 0,5	28,6 ± 0,4	3.5	500	10.5	1500

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Balflex® – The European Technology



Balflex® BALSPRAY ELITE

Balflex® BALSPRAY ELITE 1160PSI – 12.1003.

Flexible Hose of PVC compound for High Pressure Agricultural Pulverization



- Inner tube :** PVC compound black, highly flexible, resistant to abrasion
- Internal surface :** smooth, passage facilitator
- Reinforcement :** 2 braids of high tensile synthetic yarn
- Outer tube :** PVC compound, resistant to ozone, UV rays and to abrasion
- Color :** black inner tube / orange outer tube
- Coil length :** 100 meters
- Safety factor :** 3 : 1
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** services of pulverization of insecticide, herbicides and pesticides

part number	Ø nom.	dash size	Ø internal	Ø external	working pressure		min. burst pressure	
			mm	mm	MPa	PSI	MPa	PSI
12.1003.04	1/4"	- 4	6,4 ± 0,3	11,0 ± 0,3	8.0	1160	24.0	3480
12.1003.05	5/16"	- 5	7,9 ± 0,3	13,5 ± 0,3	8.0	1160	24.0	3480
12.1003.06	3/8"	- 6	9,5 ± 0,3	16,0 ± 0,3	8.0	1160	24.0	3480
12.1003.08	1/2"	- 8	12,7 ± 0,3	20,0 ± 0,3	8.0	1160	24.0	3480
12.1003.12	3/4"	- 12	19,1 ± 0,5	28,0 ± 0,4	8.0	1160	24.0	3480

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Balflex® BAL-L / Light Services S & D



Balflex® BAL – L SUCTION & DELIVERY – 12.9040.

Flexible Hose of PVC Reinforced with Spiral



- Inner tube :** PVC, highly flexible, resistant to abrasion, weather and UV rays
- Internal surface :** smooth, passage facilitator
- Reinforcement :** high resistant PVC spiral
- Color :** transparent crystal with blue spiral
- Coil lenght :** 25 / 50 meters (30 meters in 5"e 6')
- Safety factor :** 2.5 : 1
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** light services of water suction and discharge, agricultural irrigation, tank trucks, industrial water circuits and chemical products, gallery cleaning.

part number	Ø nom.	dash size	Ø internal	Ø external	working pressure	min. burst pressure	vacuum	coils
			mm	mm	PSI	PSI	PSI	Mts
12.9040.019	3/4"	- 19	19,0 ± 0,5	25,0 ± 1,0	120	300	15	25 / 50
12.9040.025	1"	- 25	25,0 ± 0,5	32,0 ± 1,0	108	270	15	25 / 50
12.9040.032	1.1/4"	- 32	32,0 ± 0,5	37,0 ± 1,0	96	240	15	25 / 50
12.9040.038	1.1/2"	- 38	38,0 ± 0,5	44,0 ± 1,0	96	240	15	25 / 50
12.9040.050	2"	- 50	50,0 ± 1,0	57,0 ± 1,0	96	240	15	25 / 50
12.9040.063	2.1/2"	- 63	62,0 ± 1,0	71,0 ± 1,5	90	225	15	25 / 50
12.9040.075	3"	- 75	75,0 ± 1,0	83,0 ± 1,5	84	210	15	25 / 50
12.9040.100	4"	- 100	100,0 ± 1,0	112,0 ± 1,5	78	195	15	25 / 50
12.9040.125	5"	- 125	127,0 ± 1,0	139,0 ± 1,5	72	180	15	30
12.9040.150	6"	- 150	152,0 ± 1,0	165,0 ± 1,5	66	165	15	30

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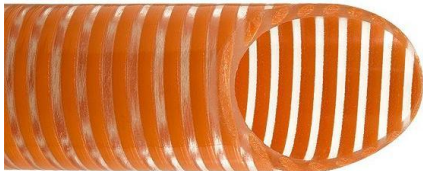
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Balflex® BAL-P / Heavy Services S & D

Balflex® BAL – P SUCTION & DELIVERY – 12.9020.

Flexible Hose of PVC Reinforced with Spiral



- Inner tube :** PVC, highly flexible, resistant to abrasion, weather and UV rays
- Internal surface :** smooth, passage facilitator
- Reinforcement :** high resistant PVC spiral
- Color :** transparent crystal with orange spiral
- Coil lenght :** 25 / 50 meters (30 meters in 5" and 6")
- Safety factor :** 2.5 : 1
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** heavy services of water suction and discharge, mining with gravel, viscous liquids, chemicals, cesspit cleaning or draining and dredging for industries and civil building

part number	Ø nom.	dash size	Ø internal	Ø external	working pressure	min. burst pressure	vacuum	coils
			mm	mm	PSI	PSI	PSI	Mts
12.9020.050	2"	- 50	50,0 ± 1,0	60,0 ± 1,0	120	300	15	25 / 50
12.9020.063	2.1/2"	- 63	62,0 ± 1,0	73,0 ± 1,5	120	300	15	25 / 50
12.9020.075	3"	- 75	75,0 ± 1,0	85,0 ± 1,5	108	270	15	25 / 50
12.9020.100	4"	- 100	102,0 ± 1,0	115,0 ± 1,5	96	240	15	25 / 50
12.9020.125	5"	- 125	127,0 ± 1,0	142,0 ± 1,5	84	210	15	30
12.9020.150	6"	- 150	151,5 ± 1,0	168,5 ± 1,5	78	195	15	30

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Balflex® – The European Technology



Balflex® BAL – OQ SUCTION & DELIVERY – 12.9010.

Flexible Hose of PVC Reinforced with Spiral



- Inner tube :** PVC, highly flexible, resistant to abrasion, weather and UV rays
- Internal surface :** smooth, passage facilitator
- Reinforcement :** high resistant PVC spiral
- Color :** brown
- Coil lenght :** 25 / 50 meters
- Safety factor :** 2.5 : 1
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** suction and discharge services of oil, gasoline, diesel, fuels and huge variety of chemical products or formulations

part number	Ø nom.	dash size	Ø internal	Ø external	working pressure	min. burst pressure	vacuum	coils
			mm	mm	PSI	PSI	PSI	Mts
12.9010.025	1"	- 25	25,0 ± 0,5	32,0 ± 1,0	144	360	15	25 / 50
12.9010.032	1.1/4"	- 32	32,0 ± 0,5	39,0 ± 1,0	132	330	15	25 / 50
12.9010.038	1.1/2"	- 38	38,0 ± 0,5	47,0 ± 1,0	120	300	15	25 / 50
12.9010.050	2"	- 50	50,0 ± 1,0	60,0 ± 1,0	120	300	15	25 / 50
12.9010.063	2.1/2"	- 63	63,0 ± 1,0	73,0 ± 1,5	108	270	15	25 / 50
12.9010.075	3"	- 75	75,0 ± 1,0	86,0 ± 1,5	108	270	15	25 / 50
12.9010.100	4"	- 100	101,0 ± 1,0	114,0 ± 1,5	96	240	15	25 / 50

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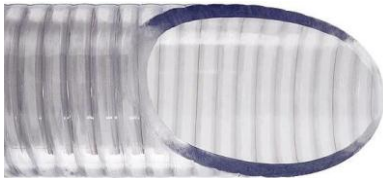
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Balflex® BAL-QA / Food Quality

Balflex® BAL – QA SUCTION & DELIVERY NON-TOXIC – 12.9050.

Flexible Hose of PVC Reinforced with Spiral



- Inner tube :** PVC, highly flexible, resistant to abrasion, weather and UV rays
- Internal surface :** smooth, avoids residue adhesion on the internal wall and contaminations
- Reinforcement :** high resistant PVC spiral
- Color :** transparent crystal with transparent spiral, allows visualization of the fluid passage
- Coil lenght :** 25 / 50 meters
- Safety factor :** 2.5 : 1
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** non-toxic hose (approval according to **ANVISA N. 105/99** resolution, for Types I, II, V and VI food), for suction services, discharge and food products bottling, such as wine, water, beer, soda and milk.

part number	Ø nom.	dash size	Ø internal	Ø external	working pressure	min. burst pressure	vacuum	coils
			mm	mm	PSI	PSI	PSI	Mts
12.9050.019	3/4"	- 19	19,0 ± 0,5	24,5 ± 1,0	120	300	15	25 / 50
12.9050.025	1"	- 25	25,0 ± 0,5	31,0 ± 1,0	108	270	15	25 / 50
12.9050.032	1.1/4"	- 32	32,0 ± 0,5	40,0 ± 1,0	96	240	15	25 / 50
12.9050.038	1.1/2"	- 38	38,0 ± 0,5	46,0 ± 1,0	96	240	15	25 / 50
12.9050.050	2"	- 50	50,0 ± 1,0	60,0 ± 1,0	96	240	15	25 / 50
12.9050.063	2.1/2"	- 63	63,0 ± 1,0	74,0 ± 1,5	90	225	15	25 / 50
12.9050.075	3"	- 75	75,0 ± 1,0	85,0 ± 1,5	84	210	15	25 / 50
12.9050.100	4"	- 100	100,0 ± 1,0	114,0 ± 1,5	78	195	15	25 / 50

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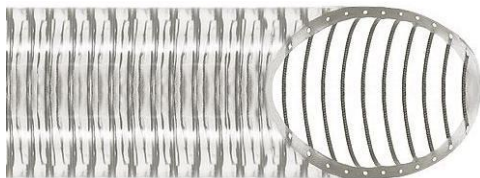
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Flexible Hose of PVC Reinforced with Steel Spiral



- Inner tube :** PVC, highly flexible, resistant to abrasion, weather and UV rays
- Internal surface :** smooth, passage facilitator
- Reinforcement :** 1 wire helix of galvanized steel of high resistance
- Color :** transparent crystal
- Safety factor :** 3 : 1
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** food industry, water pumps, agriculture, fiber impulsion

part number	Ø nom.	dash size	Ø internal	Ø external	min. burst pressure	vacuum	coils
			mm	mm	PSI	PSI	Mts
12.1227.012	1/2"	- 12	12,0	18,0 ± 2,0	100	7	100
12.1227.014	9/16"	- 14	14,0	20,0 ± 2,0	85	6	100
12.1227.016	5/8"	- 16	16,0	23,0 ± 2,0	85	6	100
12.1227.018	11/16"	- 18	18,0	25,0 ± 2,0	85	6	100
12.1227.020	3/4"	- 20	20,0	26,0 ± 2,0	70	5	50
12.1227.022	7/8"	- 22	22,0	28,0 ± 2,0	70	5	50
12.1227.025	1"	- 25	25,0	32,0 ± 2,0	70	5	50
12.1227.030	1.3/16"	- 30	30,0	38,0 ± 2,0	60	4	50
12.1227.032	1.1/4"	- 32	32,0	41,0 ± 2,0	60	4	50
12.1227.035	1.3/8"	- 35	35,0	44,0 ± 2,0	60	4	50
12.1227.038	1.1/2"	- 38	38,0	47,0 ± 2,0	60	4	50
12.1227.040	1.9/16"	- 40	40,0	49,0 ± 2,0	40	3	50
12.1227.045	1.3/4"	- 45	45,0	54,0 ± 2,0	40	3	50
12.1227.050	2"	- 50	50,0	59,0 ± 2,0	40	3	50
12.1227.060	2.3/8"	- 60	60,0	70,0 ± 2,0	29	2	20
12.1227.070	2.3/4"	- 70	70,0	81,0 ± 2,0	29	2	20
12.1227.076	3"	- 76	76,0	87,0 ± 2,0	20	2	20
12.1227.080	3.1/4"	- 80	80,0	91,0 ± 2,0	29	2	20
12.1227.090	3.1/2"	- 90	90,0	101,0 ± 2,0	29	2	10
12.1227.102	4"	- 102	102,0	113,0 ± 2,0	29	2	10

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Balflex® BAL-AL / Light Vacuum Suction

Balflex® BAL – AL LIGHT VACUUM SUCTION – 12.9070.

Flexible Hose of PVC Reinforced with Spiral



- Inner tube :** PVC, highly flexible, resistant to abrasion and weather
- Internal surface :** smooth, passage facilitator
- External surface :** corrugated, allowing even more flexibility
- Reinforcement :** high resistant PVC spiral
- Color :** gray
- Coil lenght :** 25 / 50 meters (30 meters in 5"e 6")
- Safety factor :** 2.5 : 1
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** light industrial suction or exhaust for domestic usage, in cowls and dust collectors or for air-conditioning

part number	Ø nom.	dash size	Ø internal	Ø external	vacuum	coils
			mm	mm		
12.9070.025	1"	- 25	25,0 ± 0,5	31,4 ± 1,0	8	25 / 50
12.9070.032	1.1/4"	- 32	32,0 ± 0,5	37,6 ± 1,0	8	25 / 50
12.9070.038	1.1/2"	- 38	38,0 ± 0,5	45,7 ± 1,0	8	25 / 50
12.9070.050	2"	- 50	50,0 ± 1,0	59,0 ± 1,0	8	25 / 50
12.9070.063	2.1/2"	- 63	62,0 ± 1,0	72,0 ± 1,5	7	25 / 50
12.9070.075	3"	- 75	75,0 ± 1,0	85,0 ± 1,5	7	25 / 50
12.9070.100	4"	- 100	100,0 ± 1,0	110,0 ± 1,5	6	25 / 50
12.9070.125	5"	- 125	127,0 ± 1,0	139,0 ± 1,5	5	30
12.9070.150	6"	- 150	152,0 ± 1,0	164,0 ± 1,5	4	30

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Balflex® BAL-AP / Heavy Vacuum Suction



Balflex® BAL – AP HEAVY VACUUM SUCTION – 12.9060.

Flexible Hose of PVC Reinforced with Spiral



- Inner tube :** PVC, highly flexible, resistant to abrasion e weather
- Internal surface :** smooth, passage facilitator
- External surface :** corrugated, allowing even more flexibility
- Reinforcement :** high resistant PVC spiral
- Color :** blue
- Coil lenght :** 25 / 50 meters (30 meters in 5" and 6')
- Safety factor :** 2.5 : 1
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** suction and industrial exhaust, for example, in wood mills and textile industry. Superior resistance to friction of the particles in suspension.

part number	Ø nom.	dash size	Ø internal	Ø external	vacuum	coils
			mm	mm		
12.9060.025	1"	25	25,0 ± 0,5	29,5 ± 1,0	8	25 / 50
12.9060.032	1.1/4"	32	32,0 ± 0,5	37,5 ± 1,0	8	25 / 50
12.9060.038	1.1/2"	38	38,0 ± 0,5	44,0 ± 1,0	8	25 / 50
12.9060.050	2"	50	50,0 ± 1,0	57,0 ± 1,0	8	25 / 50
12.9060.063	2.1/2"	63	62,0 ± 1,0	72,0 ± 1,5	7	25 / 50
12.9060.075	3"	75	75,0 ± 1,0	84,0 ± 1,5	7	25 / 50
12.9060.100	4"	100	100,0 ± 1,0	111,0 ± 1,5	6	25 / 50
12.9060.125	5"	125	127,0 ± 1,0	139,0 ± 1,5	5	30
12.9060.150	6"	150	152,0 ± 1,0	164,0 ± 1,5	4	30

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Balflex® – The European Technology



Balflex® BALFLAT 0.4MPa

Balflex® BALFLAT 0.4MPa – 12.1040.

Flat PVC Hose for Water and Pesticides



- Inner tube :** PVC compound resistant to pesticides
- Internal surface :** smooth, passage facilitator
- Reinforcement :** braid of reinforced polyester
- Outer tube :** PVC compound, resistant to ozone, UV rays and to abrasion
- Color :** black inner tube / blue outer tube
- Coil lenght :** 100 meters
- Temperature range :** - 10°C (+14°F) + 55°C (+ 131°F)
- Application :** construction and irrigation in the agriculture. Excellent resistance to pesticides

part number	Ø nom.	Ø internal	working pressure	coils
		inch	MPa	Mts
12.1040.040	- 40	1.1/2"	0.4	100
12.1040.050	- 50	2"	0.4	100
12.1040.060	- 60	2.1/2"	0.4	100
12.1040.075	- 75	3"	0.4	100
12.1040.100	- 100	4"	0.4	100

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Balflex® BALFLAT 0.6MPa



Balflex® BALFLAT 0.6MPa – 12.1041.

Flat PVC Hose for Water and Pesticides



- Inner tube** : PVC compound resistant to pesticides
- Internal surface** : smooth, passage facilitator
- Reinforcement** : braid of reinforced polyester
- Outer tube** : PVC compound, resistant to ozone, UV rays and to abrasion
- Color** : black inner tube / blue outer tube
- Coil length** : 100 meters
- Temperature range** : - 10°C (+14°F) + 55°C (+ 131°F)
- Application** : construction and irrigation in the agriculture. Excellent resistance to pesticides

part number	Ø nom.	Ø internal	working pressure	coils
		inch	MPa	Mts
12.1041.040	- 40	1.1/2"	0.6	100
12.1041.050	- 50	2"	0.6	100
12.1041.060	- 60	2.1/2"	0.6	100
12.1041.075	- 75	3"	0.6	100
12.1041.100	- 100	4"	0.6	100

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PVC Chemical Resistance Chart



RECOMMENDED



RECOMMENDED WITH RESTRICTIONS



NOT RECOMMENDED

Chemical	Concentration	Temperature		Chemical	Concentration	Temperature	
		20° C	55° C			20° C	55° C
Acetate Solvents				Barium Hydroxide			
Acetic Acid	10%			Barium Sulfide			
Acetic Acid	Glacial			Benzene			
Acetone				Benzine			
Acrylonitrile				Bordeaux Mixture			
Adipic Acid				Borax			
Alcohol Butyl				Boric Acid			
Alcohol Ethyl				Brine			
Alcohol Isorpopyl				Bromine Traces			
Alcohol Methyl				Butyl Acetate			
Alcohol Acetate				Calcium Hydroxide			
Aluminium Chloride				Calcium Hypochloride			
Aluminium Hydroxide				Carbonic Acid			
Aluminium Sulfate				Carbon Dioxide			
Allyl Chloride				Carbon Disulphite			
Ammonia	0.88 S.G. (Aqueous)			Carbon Monoxide			
Ammonia	Dry Gas			Carbon Tetrachloride			
Ammonia	Liquid			Casein			
Ammonium Chloride				Chlorine	Dry Gas		
Ammonium Hydroxide				Chlorine	Wet Gas		
Animal Oils				Chlorine	Water		
Amyl Acetae				Chlorobenzene			
Aniline Oils				Chlorinated Hydrocarbons			
Aromatic Hydrocarbons				Chloroform			
Asphalt				Chromic Acid	10%		
ASTM Fuel A				Citric Acid			
ASTM Fuel B				Coal Tar			
ASTM # 1 Oil				Copper Chloride			
ASTM # 3 Oil				Copper Nitrate			
Barium Chloride				Copper Sulphate			

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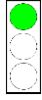
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PVC Chemical Resistance Chart



RECOMMENDED

RECOMMENDED WITH RESTRICTIONS

NOT RECOMMENDED

NON TOXIC

OQ

Chemical	Concentration	Temperature		Chemical	Concentration	Temperature	
		20° C	55° C			20° C	55° C
Cottonseed Oil				Fluorine			
Creosote				Formaldehyde	40%		
Cresol				Formic Acid	40%		
Cresylic Acid				Formic Acid	50%		
Cyclohexane				Formic Acid	100%		
Cyclohexanone				Fuel Oil			
DDT Weed Killer				Glacial Acetic Acid			
Detergent Synthetic				Glucose			
Developers Photographic				Glycerine			
Dextrin				Grape Sugar			
Dextrose				Grease			
Dibutyl Phthalate				Heptane			
Dichlorobenzene				Hexane			
Diesel Oil				Hydrobromic Acid			
Diethylene Glycol				Hydrochloric Acid	10%		
Diethyl Ether				Hydrochloric Acid	40%		
Di-isodecyl Phthalate				Hydrofluoric Acid	10%		
Dicetyl Phthalate				Hydrofluoric Acid	40%		
Emulsifiers				Hydrofluoboric Acid			
Emulsions Photographic				Hydrofluosilicic Acid			
Ethyl Acetate				Hydrogen Peroxide			
Ethylene Dichloride				Hydrogen Sulphide			
Ethylene Glycol				Iso-octan			
Fatty Acid				Isopropyl Acetate			
Ferric Chloride				Kerosene			
Ferric Sulphate				Ketones			
Ferrous Chloride				Lactic Acid	10%		
Ferrous Sulphate				Lactic Acid	100%		
Fixing Solution Photografic				Lacquer Solvents			

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Recommended Balflex® Food Quality Hoses as Balsteel (12.1227) and QA (12.9050)



Recommended Balflex® OQ (12.9010)

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PVC Chemical Resistance Chart



RECOMMENDED

RECOMMENDED WITH RESTRICTIONS

NOT RECOMMENDED

NON TOXIC

Chemical	Concentration	Temperature		Chemical	Concentration	Temperature	
		20° C	55° C			20° C	55° C
Linseed Oils				Sodium Hydroxide (caustic soda)	10%		
Magnesium Chloride				Sodium Hydroxide (caustic soda)	50%		
Magnesium Hydroxide				Sodium Cyanide			
Magnesium Sulphate				Soybean Oil			
Malic Acid				Stearic Acid			
Methyl Acetate				Styrene			
Methyl Bromide				Sulphur Dioxide	Dry		
Methyl Ethyl Ketone				Sulphur Dioxide	Moist		
Methylene Chloride				Sulphur Dioxide	Liquid		
Mineral Oils				Sulphuric Acid	45%		
Monochlorobenzene				Sulphuric Acid	60%		
Naphtha				Sulphuric Acid	98%		
Naphthalene				Sulphurous Acid	30%		
Nitric Acid	10%			Tannic Acid			
Nitric Acid	40%			Tartaric Acid			
Nitric Acid	70%			Tetrahydrofuran			
Nitrobenzene				Toluene			
Nitrogen Fertilizers				Trichlorethylene			
Oleic Acid				Triethanolamine			
Oxalic Acid				Tricresyl Phosphate			
Palmitic Acid				Turpentine			
Paraffin				Urea			
Pentane				Vinegar			
Perchloroethylene				Vinyl Acetate			
Phenol				Vinyl Chloride			
Phosphoric Acid				Water			
Pitch				Wine			
Potassium Hydroxide				Xylene			
Propane				Zinc Chloride			
Sea Water				Zinc Sulphate			

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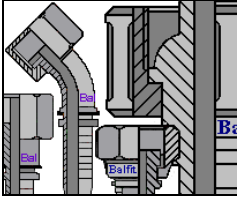
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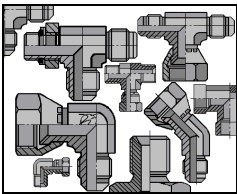
Balfit[®] Hydraulic Fittings and Adapters



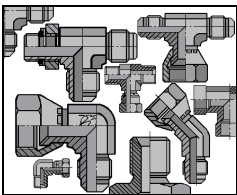
Hydraulic Crimped Fittings – 20/23/24/26/P12/P23/P24/P25 series



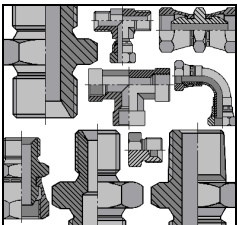
SAE 37[°] Flared Pipe Fittings / NPT Adapters – 35 series



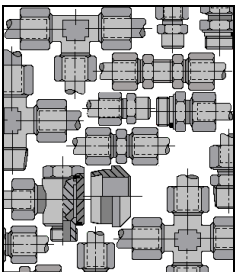
ORFS Fittings – 36 series



Hydraulic Adapters – 52 and 53 series



DIN 2353 Compression Ring Pipe Fittings – 34 series



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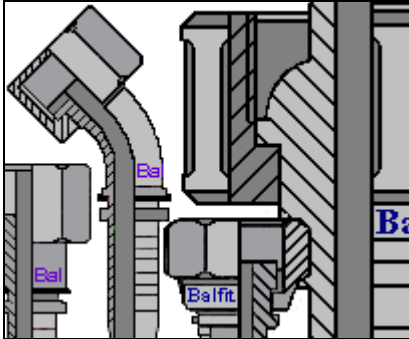
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] Hydraulic Hose Fittings

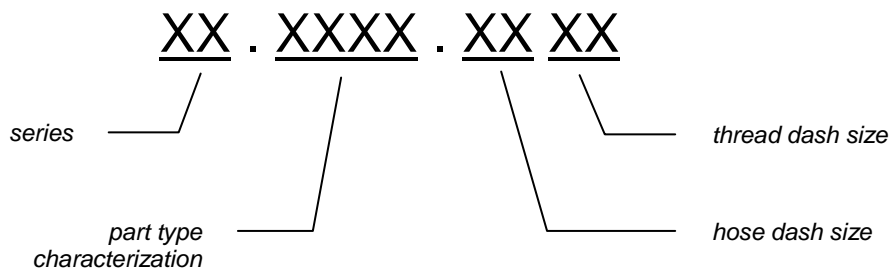
The range of **Balfit[®]** hydraulic hose connectors is produced according to **Balflex[®]** specifications and to **ISO, SAE, DIN, JIS, BS, NF** and other standards. It covers a very wide variety of applications typical of hydraulic pressure hose lines.

Balflex[®] optimized the production of these connectors and their compatibility with a wide range of hydraulic hoses, in order to assure the highest performance and the most extensive range of applications. The **Balfit[®]** hydraulic connectors program in this catalogue includes the following standard crimped two-piece type (connector + ferrule) parts:

- Series **20** - **Balfit[®]** ferrules for all types of crimped **Balfit[®]** connectors
- Series **23** - **Balfit[®]** crimped connectors for standard 1 and 2 wire braided hydraulic hoses
- Series **24** - **Balfit[®]** crimped connectors for **Balmaster** multi-spiral hydraulic hoses
- Series **26** - **Balfit[®]** crimped interlocking connectors for **Powerspir** multi-spiral hydraulic hoses

An overview of these parts is given in the following pages.

The **Balfit[®]** connectors parts code is composed of three groups of digits:



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Balfit® Hydraulic Hose Fittings



Series 20 Balfit® Ferrules

SKIVING FERRULES

				double-skived	
20.100.	20.200.	20.400.	20.403.	20.405.	20.406
R1A – 1ST	R2A – 2ST	4SP	R12	4SH *	4SH **
	R12	R9R	4SH		R13
	3 - MAX	R12			R15

NON SKIVING FERRULES

20.107.	20.101.	20.201.	20.202.	20.204.
R7 – TEFLON	R1AT – 1SN	R2AT – 2SN	R1AT – 1SN	R1AT – R2AT
R6 – 1TE		2 - MAX	R2AT – 2SN	R16 – R17
R8		R3 – 3TE	2 - MAX	2 - MAX
2TE			R3 – 3TE	

* 4SH (1.1/4", 1.1/2" and 2")

** 4SH (3/4" and 1") SAE 100R13 (all sizes)

Series 23 Balfit® Hose Fittings for High Pressure Hydraulic Wire Braid Hoses

Complete line of swaged Hydraulic Hose Fittings for SAE 100R6, DIN EN 1TE, DIN EN 2TE, SAE 100R3, DIN EN 3TE, SAE 100R1AT / DIN EN 1SN, SAE 100R2AT / DIN EN 2SN, DIN EN 1SC, DIN EN 2SC, SAE 100R17, SAE 100R1A / DIN EN 1ST, SAE 100R2A / DIN EN 2ST, SAE 100R14, Balflex 2-MAX and Balflex 3-MAX Hoses, SAE 100R7, SAE 100R8 and R7 Steelflex

Series 24 Balfit® Hose Fittings for Very High Pressure Hydraulic Spiral Hoses

Complete line of swaged Hydraulic Hose Fittings for SAE 100R12, DIN EN 4SP and DIN EN 4SH Hoses.

Series 26 Balfit® Hose Fittings for Extreme Pressure Hydraulic Spiral Hoses

Complete line of swaged Hydraulic Hose Fittings, Powerspir type, with internal and external skiving for DIN EN 4SH, SAE 100R13 and SAE 100R15 Hoses.

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Balfit[®] Hydraulic Hose Fittings

Balflex[®] Hose vs Fittings

HOSE VS FITTINGS			3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1.1/4"	1.1/2"	2"
			- 03	- 04	- 05	- 06	- 08	- 10	- 12	- 16	- 20	- 24	- 32
Balflex [®]			Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]
10.1216		1TE	20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107	X	X	X
			23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX			
10.1217		2TE	20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107	X	X	X
			23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX			
10.1220		R3 / 3TE	20.201	20.201	20.201	20.201	20.202	20.202	20.202	20.201	20.201	20.201	20.201
			23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX
10.1001		R1A / 1ST	20.100	20.100	20.100	20.100	20.100	20.100	20.100	20.100	20.100	20.100	20.100
			23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX
10.1002		R1T / 1SN	20.101	20.101 20.204	20.101 20.204	20.101 20.204	20.202 20.204	20.202 20.204	20.202 20.204	20.101 20.204	20.101 20.204	20.101 20.204	20.101 20.204
			23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX
10.1003		R2A / 2ST	20.200	20.200	20.200	20.200	20.200	20.200	20.200	20.200	20.200	20.200	20.200
			23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX
10.1004		R2T / 2SN	20.201	20.201 20.204	20.201 20.204	20.201 20.204	20.202 20.204	20.202 20.204	20.202 20.204	20.201 20.204	20.201 20.204	20.201 20.204	20.201 20.204
			23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX
10.1017		BALPAC 3000 R17	X	20.204	20.204	20.204	20.204	20.204	20.204	20.204	X	X	X
				23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX	23.XXXX			
10.1012		R12	X	X	X	20.200	20.200 20.400	20.200 20.400	20.200 20.400	20.200 20.400	20.403	20.403	20.403
						24.XXXX	24.XXXX	24.XXXX	24.XXXX	24.XXXX	23.XXXX	23.XXXX	23.XXXX
10.1008		4SP	X	20.400	X	20.200 20.400	20.200 20.400	20.200 20.400	20.200 20.400	20.200 20.400	20.400	20.400	20.400
				24.XXXX		24.XXXX	24.XXXX	24.XXXX	24.XXXX	24.XXXX	23.XXXX	23.XXXX	23.XXXX
10.1009		4SH	X	X	X	X	X	X	20.400 20.406	20.400 20.406	20.403 20.405	20.403 20.405	20.403 20.405
										24.XXXX 26.XXXX	24.XXXX 26.XXXX	24.XXXX 26.XXXX	24.XXXX 26.XXXX
10.1014		R13	X	X	X	X	X	X	20.406	20.406	20.406	20.406	X
										26.XXXX	26.XXXX	26.XXXX	
10.1016		R15	X	X	X	X	X	X	20.406	20.406	20.406	20.406	X
										26.XXXX	26.XXXX	26.XXXX	
10.1029		2-MAX JACK	X	20.204	X	20.204	X	X	X	X	X	X	X
				23.XXXX		23.XXXX							

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Balflex[®] – The European Technology

Balfit[®] Hydraulic Hose Fittings



Balflex[®] Hose vs Fittings

HOSE VS FITTINGS			3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1.1/4"	1.1/2"	2"
			- 03	- 04	- 05	- 06	- 08	- 10	- 12	- 16	- 20	- 24	- 32
Balflex [®]			Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]	Balfit [®]
10.1029		2-MAX JACK	X	20.204 23.XXXX	X	20.204 23.XXXX	X	X	X	X	X	X	X
10.1005		3-MAX	X	X	X	20.400 23.XXXX 24.XXXX	20.400 23.XXXX 24.XXXX	X	X	X	X	X	X
10.1030		R7 TEXTIL	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	X	X	X
10.1031		R7 AÇO	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	X	X	X
10.1032		R8	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	X	X	X
10.2000 10.2003		BALFLON R14	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX	20.107 23.XXXX
10.2010		BALFLON ONDULADO	20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107

Cross-reference for Hydraulic Crimped Fittings

Showing Balfit[®] fittings type with corresponding competitor's hose type

Balfit [®] Fittings series	23 Series	P23 Series	24 Series	P24 Series	P12 Series	P25 Series	26 Series
Aeroquip Eaton		TTC			TTC12		ISCF *
Dayco		BW / HY		JJ	BW / JJ	HF / HY	JJ
Gates	PC	G25	GS - PCS		GS - PCS	PC	
Parker		43		70	71		78
Weatherhead		M / S / U			E / U		

* Aeroquip ISCF – Internal Skiving Crimp Fittings

The information provided by this Cross-reference chart is intended as a reference guide only. These hydraulic crimped fittings are similar but not exactly equal in all technical data and performances. Refer to hydraulic crimped fittings specifications to assure that the suggested hydraulic crimped fittings will attend the required application.

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Balflex[®] Hydraulic Hose Fittings

Torque

For each type of fitting a torque value that assures sealing without damaging the thread is recommended in table 2. Whenever a torque meter is not available, follow the rule of thumb given for the fitting type.

Table 2a: Recommended Torque for JIC Connectors

Size	Dash	Torque (Nm)
7/16"	-4	14
1/2"	-5	19
9/16"	-6	23
5/8"	-7	25
3/4"	-8	30
7/8"	-10	35
1-1/16"	-12	41
1-3/16"	-14	47
1-5/16"	-16	52
1-5/8"	-20	60
1-7/8"	-24	69
2-1/2"	-32	80

Table 2b: Recommended Torque for BSP Connectors

Size	Dash	Torque (Nm)
1/8"	-2	15
1/4"	-4	20
3/8"	-6	31
1/2"	-8	36
5/8"	-10	41
3/4"	-12	46
1"	-16	57
1-1/4"	-20	65
1-1/2"	-24	74
2"	-32	86

Table 2c: Recommended Torque for Metric Connectors

Size	Dash	Torque (Nm)
M12 x 1,5	12	11
M14 x 1,5	14	16
M16 x 1,5	16	20
M18 x 1,5	18	22
M20 x 1,5	20	27
M22 x 1,5	22	32
M24 x 1,5	24	38
M26 x 1,5	26	44
M30 x 2,0	30	49
M36 x 2,0	36	57
M42 x 2,0	42	66
M45 x 2,0	45	77
M52 x 2,0	52	79

Table 2d: Recommended Torque for ORFS Connectors

Size	Dash	Torque (Nm)
9/16"	-6	15
11/16"	-9	20
13/16"	-11	26
1"	-13	31
1-3/16"	-14	36
1-7/16"	-15	41
1-11/16"	-21	46
2-1/2"	-32	51

Table 2e: Recommended Torque for Code 61 Flange

Size	Dash	Torque (Nm)
1/2"	- 8	17
3/4"	- 12	25
1"	- 16	31
1-1/4"	- 20	40
1-1/2"	- 24	52
2"	- 32	60
2.1/2"	- 40	85

Table 2f: Recommended Torque for Code 62 Flange

Size	Dash	Torque (Nm)
1/2"	- 8	17
3/4"	- 12	29
1"	- 16	46
1-1/4"	- 20	68
1-1/2"	- 24	125
2"	- 32	208

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Balfit[®] Hydraulic Hose Fittings



Thread Dash and Dash Sizes of Balfit[®] Connectors

**Table 3a: Thread dash for JIC (37° flared)
series 23 / 24 / P23 / P12 / P24 / P25 / 26 connectors**

Nominal Hose Size	Hose Dash	Nominal Thread	Thread Dash
3/16"	- 3	7/16" – 20	- 4
1/4"	- 4	7/16" – 20	- 4
1/4"	- 4	1/2" – 20	- 5
1/4"	- 4	9/16" – 18	- 6
5/16"	- 5	9/16" – 18	- 6
3/8"	- 6	9/16" – 18	- 6
3/8"	- 6	3/4" – 16	- 8
13/32"	- 6.5	3/4" – 16	- 8
1/2"	- 8	3/4" – 16	- 8
1/2"	- 8	7/8" – 14	- 10
5/8"	- 10	7/8" – 14	- 10
5/8"	- 10	1-1/16" – 12	- 12
3/4"	- 12	7/8" – 14	- 10
3/4"	- 12	1-1/16" – 12	- 12
3/4"	- 12	1-3/16" – 12	- 14
7/8"	- 14	1-3/16" – 12	- 14
7/8"	- 14	1-5/16" – 12	- 16
1"	- 16	1-5/16" – 12	- 16
1-1/4"	- 20	1-5/8" – 12	- 20
1-1/2"	- 24	1-7/8" – 12	- 24
2"	- 32	2-1/2" – 12	- 32

**Table 3b: Thread dash for NPT (dryseal taper)
series 23 / 24 / P23 / P12 / P24 / P25 / 26 connectors**

Nominal Hose Size	Hose Dash	Dryseal Taper Thread	Thread Dash
3/16"	-3	1/8" – 27	-2
3/16"	-3	1/4" – 18	-4
1/4"	-4	1/8" – 27	-2
1/4"	-4	1/4" – 18	-4
5/16"	-5	1/4" – 18	-4
5/16"	-5	3/8" – 18	-6
3/8"	-6	1/4" – 18	-4
3/8"	-6	3/8" – 18	-6
3/8"	-6	1/2" – 14	-8
13/32"	-6.5	3/8" – 18	-6
13/32"	-6.5	1/2" – 14	-8
1/2"	-8	3/8" – 18	-6
1/2"	-8	1/2" – 14	-8
5/8"	-10	1/2" – 14	-8
5/8"	-10	3/4" – 14	-12
3/4"	-12	3/4" – 14	-12
7/8"	-14	1" – 11.1/2"	-16
1"	-16	1" – 11.1/2"	-16
1-1/4"	-20	1-1/4" – 11.1/2"	-20
1-1/2"	-24	1-1/2" – 11.1/2"	-24
2"	-32	2" – 11.1/2"	-32

**Table 3c: Thread dash for SAE (45° flared)
series 23 / 24 / P23 / P12 / P24 / P25 / 26 connectors**

Nominal Hose Size	Hose Dash	Nominal Thread	Thread Dash
1/4"	-4	7/16" – 20	- 4
1/4"	-4	1/2" – 20	- 5
5/16"	-5	5/8" – 18	- 6
3/8"	-6	5/8" – 18	- 6
3/8"	-6	3/4" – 16	- 8
1/2"	-8	3/4" – 16	- 8
1/2"	-8	7/8" – 14	- 10
5/8"	-10	7/8" – 14	- 10
5/8"	-10	1-1/16" – 14	- 12
3/4"	-12	7/8" – 14	- 10
3/4"	-12	1-1/16" – 14	- 12

**Table 3d: Thread dash for ORFS (O-Ring Face Seal)
series 23 / 24 / P23 / P12 / P24 / P25 / 26 connectors**

Nominal Hose Size	Hose Dash	Dryseal Taper Thread	Thread Dash
1/4"	- 4	9/16" – 18	- 4
3/8"	- 6	11/16" – 16	- 6
1/2"	- 8	13/16" – 16	- 8
5/8"	- 10	1" – 14	- 10
3/4"	- 12	1-3/16" – 12"	- 12
1"	- 16	1-7/16" – 12	- 16
1-1/4"	- 20	1-11/16" – 12	- 20
1-1/2"	- 24	2" – 12	- 24

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Balflex[®] Hydraulic Hose Fittings

Thread Dash and Dash Sizes of Balflex[®] Connectors

**Table 3e: Dash size for Code 61
series 23 / 24 / P23 / P12 / P24 / 26 connectors**

Nominal Hose Size	Hose Dash	Nominal Flange Size	Flange Dash
1/2"	- 8	30,16	- 8
3/4"	- 12	38,10	- 12
1"	- 16	44,45	- 16
1-1/4"	- 20	50,80	- 20
1-1/2"	- 24	60,32	- 24
2"	- 32	71,43	- 32

**Table 3f: Dash size for Code 62
series 23 / 24 / P23 / P12 / P24 / 26 connectors**

Nominal Hose Size	Hose Dash	Nominal Flange Size	Flange Dash
1/2"	- 8	31,75	- 8
3/4"	- 12	41,27	- 12
1"	- 16	47,62	- 16
1-1/4"	- 20	53,97	- 20
1-1/2"	- 24	63,50	- 24
2"	- 32	79,37	- 32

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Quick identification of hydraulic connectors

Metric Connections (ISO 8434-1)				
DIN 8434, Metric thread, 24° cone				
thread	D (mm)	d (mm)	Ø L pipe (mm)	Ø S pipe (mm)
M10 x 1,0	9,0	10,0	4	-
M12 x 1,5	10,5	12,0	6	-
M14 x 1,5	12,5	14,0	8	6
M16 x 1,5	14,5	16,0	10	8
M18 x 1,5	16,5	18,0	12	10
M20 x 1,5	18,5	20,0	-	12
M22 x 1,5	20,5	22,0	15	14
M24 x 1,5	22,5	24,0	-	16
M26 x 1,5	24,5	26,0	18	-
M30 x 2,0	28,0	30,0	22	20
M36 x 2,0	34,0	36,0	28	25
M42 x 2,0	40,0	42,0	-	30
M45 x 2,0	43,0	45,0	35	-
M52 x 2,0	50,0	52,0	42	38

JIC Connections (ISO 8434-2)			
ANSI thread, 37° flared			
thread	D (mm)	d (mm)	threads per inch
7/16"	10,00	11,07	20
1/2"	11,60	12,70	20
9/16"	13,00	14,25	18
5/8"	14,70	15,85	18
3/4"	17,60	19,00	16
7/8"	20,50	22,17	14
1-1/16"	25,00	26,95	12
1-1/16"	25,30	26,95	14
1-3/16"	27,95	30,12	12
1-5/16"	31,30	33,30	12
1-5/8"	39,20	41,22	12
1-7/8"	45,60	47,57	12
2-1/2"	61,50	63,45	12

Sizes 5/8"-18 UNF and 1-1/16"-14 UNF are 45° flared

BSP Connections (BS 5200)			
Whitworth thread, 60° cone			
thread	D (mm)	d (mm)	threads per inch
1/8"	8,60	9,73	28
1/4"	11,60	13,16	19
3/8"	15,10	16,66	19
1/2"	18,90	20,96	14
5/8"	20,90	22,91	14
3/4"	24,40	26,44	14
1"	30,60	33,25	11
1-1/4"	39,30	41,91	11
1-1/2"	45,10	47,80	11
2"	56,70	59,60	11

NPT Connections (SAE J476)		
ANSI taper thread, 60° cone		
thread	d (mm)	threads per inch
1/8"	10,00	27
1/4"	13,60	18
3/8"	17,00	18
1/2"	21,00	14
3/4"	26,00	14
1"	33,50	11-1/2"
1.1/4"	42,10	11-1/2"
1.1/2"	47,80	11-1/2"
2"	59,60	11-1/2"

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Quick identification of hydraulic connectors

Japanese Metric Connections			
JIS B 8363, Metric thread, 60° cone			
thread	D (mm)	d (mm)	pitch (mm)
M14 x 1,5	12,50	14,00	1,5
M16 x 1,5	14,50	16,00	1,5
M18 x 1,5	16,50	18,00	1,5
M22 x 1,5	20,50	22,00	1,5
M24 x 1,5	22,50	24,00	1,5
M30 x 1,5	28,50	30,00	1,5
M33 x 1,5	31,50	33,00	1,5
M42 x 1,5	40,50	42,00	1,5

Japanese Gas Connections			
JIS B 8363, Whitworth thread, 60° cone			
thread	D (mm)	d (mm)	threads per inch
1/8"	8,60	9,73	28
1/4"	11,60	13,16	19
3/8"	15,10	16,66	19
1/2"	18,90	20,96	14
5/8"	20,90	22,91	14
3/4"	24,40	26,44	14
1"	30,60	33,25	11
1-1/4"	39,30	41,91	11
1-1/2"	45,10	47,80	11
2"	56,70	59,60	11

ORFS Connections (ISO 8434-3)			
ANSI thread, flat face (male with o-ring groove)			
threads	d (mm)	D (mm)	threads per inch
9/16"	12,70	14,28	18
11/16"	15,87	17,46	16
13/16"	19,05	20,63	16
1"	23,81	25,40	14
1.3/16"	27,78	30,16	12
1.7/16"	34,13	36,51	12
1.11/16"	40,48	42,86	12
2"	48,41	50,80	12

Split Flanges (SAE J518)				
code 61 (3000 PSI) & 62 (6000 PSI)				
DN	D (mm)	w (mm)	D (mm)	w (mm)
	code 61 - 3000 PSI		code 62 - 6000 PSI	
1/2"	30,16	38,10	31,75	40,48
3/4"	38,10	47,62	41,27	50,80
1"	44,45	52,38	47,62	57,15
1-1/4"	50,80	58,73	53,97	66,67
1-1/2"	60,32	69,85	63,50	79,37
2"	71,43	77,78	79,37	96,83

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Thread Codes

thread code	NPT	ORFS	JIC / SAE UN / UNF	METRIC	BSP
02	1/8" – 27				1/8" – 28
04	1/4" – 18	9/16" – 18	7/16" – 20		1/4" – 19
05			1/2" – 20		
06	3/8" – 18	11/16" – 16	9/16" – 18		3/8" – 19
07			5/8" – 18		
08	1/2" – 14	13/16" – 16	3/4" – 16		1/2" – 14
10		1" – 14	7/8" – 14	M10 x 1,0	5/8" – 14
12	3/4" – 14	1.3/16" – 14	1.1/16" – 12	M12 x 1,5	3/4" – 14
14			1.3/16" – 12	M14 x 1,5	
16	1" – 11.1/2	1.7/16" – 12	1.5/16" – 12	M16 x 1,5	1" – 11
18				M18 x 1,5	
20	1.1/4" – 11.1/2	1.11/16" – 12	1.5/8" – 12	M20 x 1,5	1.1/4" – 11
22				M22 x 1,5	
24	1.1/2" – 11.1/2	2" – 12	1.7/8" – 12	M24 x 1,5	1.1/2" – 11
26				M26 x 1,5	
30				M30 x 2,0	
32	2" – 11.1/2		2.1/2" – 12		2" – 11
36				M36 x 2,0	
42				M42 x 2,0	
45				M45 x 2,0	
52				M52 x 2,0	

Flange Codes

flange code	flange 61 code 3000 PSI	flange 62 code 6000 PSI
08	1/2" – 30,2 mm	1/2" – 31,7 mm
10	5/8" – 34,0 mm	
12	3/4" – 38,1 mm	3/4" – 41,3 mm
16	1" – 44,5 mm	1" – 47,6 mm
20	1.1/4" – 50,8 mm	1.1/4" – 54,0 mm
24	1.1/2" – 60,3 mm	1.1/2" – 63,5 mm
32	2" – 71,4 mm	2" – 79,4 mm

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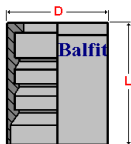
Balfit[®] Hydraulic Hose Fittings

SKIVE Balfit[®] SAE 100R1A / SAE 100R2A Ferrules

Skive carbon steel ferrule for crimping on high pressure SAE 100R1A / SAE 100R2A hydraulic hoses

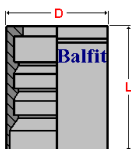
Material: carbon steel, zinc plated

Connectors: Balfit[®] crimped fittings 23 serie



20.100 - Ferrule for SAE 100R1A / DIN EN 853 1ST Hose

part number	hose dash	hose \varnothing		dimensions (mm)	
		mm	inch	L	D
20.100.03	- 3	4,8	3/16"	27	17
20.100.04	- 4	6,3	1/4"	31	19
20.100.05	- 5	8,0	5/16"	31	20
20.100.06	- 6	9,5	3/8"	32	24
20.100.08	- 8	12,7	1/2"	34	28
20.100.10	- 10	16,0	5/8"	37	32
20.100.12	- 12	19,0	3/4"	42	36
20.100.16	- 16	25,4	1"	51	43
20.100.20	- 20	32,0	1.1/4"	59	51
20.100.24	- 24	38,0	1.1/2"	63	58
20.100.32	- 32	50,8	2"	79	71



20.200 - Ferrule for SAE 100R2A / DIN EN 853 2ST Hose / 3 - MAX

part number	hose dash	hose \varnothing		dimensions (mm)	
		mm	inch	L	D
20.200.03	- 3	4,8	3/16"	27	20
20.200.04	- 4	6,3	1/4"	30	20
20.200.05	- 5	8,0	5/16"	30	24
20.200.06	- 6	9,5	3/8"	32	25
20.200.08	- 8	12,7	1/2"	34	30
20.200.10	- 10	16,0	5/8"	37	33
20.200.12	- 12	19,0	3/4"	42	38
20.200.16	- 16	25,4	1"	51	45
20.200.20	- 20	32,0	1.1/4"	59	56
20.200.24	- 24	38,0	1.1/2"	76	62
20.200.32	- 32	50,8	2"	79	75

also available:

Balfit[®] Stainless Steel SKIVE 20.100 and 20.200 Ferrules

(add an 'S' at the end of the part number; ex: 20.100.12S or 20.200.06S)

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Balfit® Hydraulic Hose Fittings

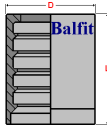


NON SKIVE Balfit® SAE 100R1AT / SAE 100R2AT Ferrules

non-skive carbon steel ferrule for crimping on high pressure SAE 100R1AT and R2AT hydraulic hoses

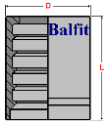
Material: carbon steel, zinc plated

Connectors: Balfit® crimped fittings 23 serie



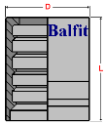
20.101 Ferrule for SAE 100R1AT / DIN EN 853 1SN Hose

part number	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.101.03	- 3	4,8	3/16"	27	17
20.101.04	- 4	6,3	1/4"	31	19
20.101.05	- 5	8,0	5/16"	31	20
20.101.06	- 6	9,5	3/8"	32	23
20.101.16	- 16	25,4	1"	51	43
20.101.20	- 20	32,0	1.1/4"	59	52
20.101.24	- 24	38,0	1.1/2"	63	58
20.101.32	- 32	50,8	2"	79	72



20.201 - Ferrule for SAE 100R2AT / DIN EN 853 2SN / 2 – MAX / SAE 100R3 Hoses

part number	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.201.03	- 3	4,8	3/16"	27	19
20.201.04	- 4	6,3	1/4"	30	20
20.201.05	- 5	8,0	5/16"	31	22
20.201.06	- 6	9,5	3/8"	32	25
20.201.16	- 16	25,4	1"	50	45
20.201.20	- 20	32,0	1.1/4"	59	56
20.201.24	- 24	38,0	1.1/2"	63	62
20.201.32	- 32	50,8	2"	78	75



20.202 - Ferrule for SAE 100R1AT / R2AT / DIN EN 853 1SN / 2SN / SAE 100R3 Hoses

part number	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.202.08	- 8	12,7	1/2"	34	28
20.202.10	- 10	16,0	5/8"	37	32
20.202.12	- 12	19,0	3/4"	42	35

also available:

Balfit® Stainless Steel NON SKIVE Ferrules

(add an 'S' at the end of the part number; ex: 20.101.16S, 20.201.04S or 20.202.08S)

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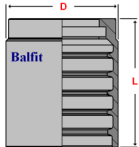
Balfit[®] Hydraulic Hose Fittings

NON SKIVE Balfit[®] SAE 100R1AT / R2AT / R16 / R17 DIN EN 853 1SN / 2SN / DIN EN 857 1SC / 2SC Ferrule

non-skive carbon steel ferrule for crimping on high pressure hydraulic hoses

Material: carbon steel, zinc plated

Connectors: Balfit[®] crimped fittings 23 serie



20.204 - Ferrule for SAE 100R1AT / R2AT / R17 / DIN EN 853 1SN / 2SN / DIN EN 857 1SC / 2SC 2-MAX Hoses

part number	hose dash	hose \varnothing		dimensions (mm)	
		mm	inch	L	D
20.204.03	- 3	4,8	3/16"	26	21
20.204.04	- 4	6,3	1/4"	28,1	22
20.204.05	- 5	8,0	5/16"	28	24
20.204.06	- 6	9,5	3/8"	28,1	26
20.204.08	- 8	12,7	1/2"	31	30
20.204.10	- 10	16,0	5/8"	31	33
20.204.12	- 12	19,0	3/4"	31,5	37
20.204.16	- 16	25,4	1"	39,9	46
20.204.20	- 20	32,0	1-1/4"	44	58
20.204.24	- 24	38,0	1-1/2"	60,3	65
20.204.32	- 32	50,8	2"	62,7	78

also available:

Balfit[®] Stainless Steel NON SKIVE Ferrules

(add an 'S' at the end of the part number; ex: 20.204.08S)

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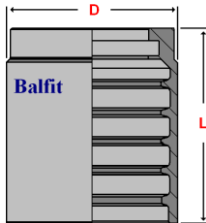
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Balfit[®] Hydraulic Hose Fittings



NON SKIVE Balfit[®] SAE 100R17 / DIN EN 857 1SC Ferrule

non-skive carbon steel ferrule for crimping on high pressure hydraulic hoses



20.205 - Ferrule for SAE SAE R17 / DIN EN 857 1SC

Material : carbon steel, zinc plated
 Connectors : Balfit[®] crimped fittings series 23
 Hoses : Balflex[®] Hydraulic Hoses SAE 100R17 / DIN EN 857 1SC

part number	hose dash	hose \varnothing		dimensions (mm)	
		mm	inch	L	D
20.205.04	- 4	6,3	1/4"	26.0	20.0
20.205.05	- 5	8,0	5/16"	26.0	22.0
20.205.06	- 6	9,5	3/8"	26.0	24.0
20.205.08	- 8	12,7	1/2"	28.0	28.0
20.205.10	- 10	16,0	5/8"	29.0	32.0
20.205.12	- 12	19,0	3/4"	35.0	35.0
20.205.16	- 16	25,4	1"	44.0	44.0

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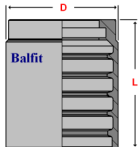
Balfit[®] Hydraulic Hose Fittings

NON SKIVE Balfit[®] SAE 100R7 / SAE 100R6 / SAE 100R8 SAE 100R14 Ferrule

non-skive carbon steel ferrule for crimping on high pressure hydraulic hoses

Material: carbon steel, zinc plated

Connectors: Balfit[®] crimped fittings 23 serie



20.107 - Ferrule for SAE 100R7 / SAE 100R6 / DIN 1TE / DIN 2TE / SAE 100R8 SAE 100R14 Hoses

part number	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.107.03	- 3	4,8	3/16	27	14
20.107.04	- 4	6,3	1/4"	29	17
20.107.05	- 5	7,9	5/16"	30	19
20.107.06	- 6	9,5	3/8"	31	21
20.107.08	- 8	12,7	1/2"	34	26
20.107.10	- 10	16,0	5/8"	36	29
20.107.12	- 12	19,0	3/4"	42	32
20.107.16	- 16	25,4	1"	50	40

also available:

Balfit[®] Stainless Steel NON SKIVE R7 Ferrules

(add an 'S' at the end of the part number; ex: 20.107.04S)

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Balfit® Hydraulic Hose Fittings

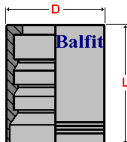


SKIVE Balfit® DIN 4SP / SAE 100R12 / DIN 4SH Ferrules

Skive carbon steel ferrule for crimping on skived high pressure SAE 100R12, EN 856 4SP & EN 856 4SH spiral hydraulic hoses

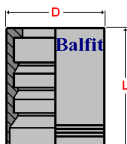
Material: carbon steel, zinc plated

Connectors: Balfit® crimped fittings 24 serie



20.400 - Ferrule for SAE 100R12 (3/8", 1/2", 5/8", 3/4" and 1") / DIN EN 856 4SP Hoses

part number	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.400.04	- 4	6,3	1/4"	40	21
20.400.06	- 6	9,5	3/8"	43	25
20.400.08	- 8	12,7	1/2"	42	28
20.400.10	- 10	16,0	5/8"	50	34
20.400.12	- 12	19,0	3/4"	51	38
20.400.16	- 16	25,4	1"	62	46
20.400.20	- 20	31,8	1.1/4"	66	56
20.400.24	- 24	38,1	1.1/2"	76	67
20.400.32	- 42	50,8	2"	80	80



20.403 - Ferrule for SAE 100R12 (1.1/4", 1.1/2" and 2") / DIN EN 856 4SH Hoses

part number	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.403.20	- 20	31,8	1.1/4"	65,9	52
20.403.24	- 24	38,1	1.1/2"	76,6	62
20.403.32	- 42	50,8	2"	79,9	75

also available:

Balfit® Stainless Steel SKIVE 4SP and 4SH Ferrules

(add an 'S' at the end of the part number; ex: 20.400.12S or 20.403.32S)

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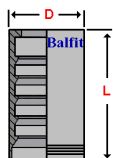
Balfit[®] Hydraulic Hose Fittings

DOUBLE SKIVE Balfit[®] SAE 100R13 / SAE 100R15 / DIN 4SH

carbon steel ferrule for crimping on double-skived (internally and externally) high pressure **DIN EN 856 4SH**, **SAE 100R13** & **SAE 100R15** hydraulic hoses

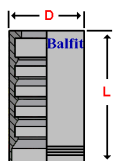
Material: carbon steel, zinc plated

Connectors: Balfit[®] crimped fittings 26 serie



20.405 - Ferrule for DIN EN 856 4SH Hose (1.1/4", 1.1/2" and 2")

part number	hose dash	hose \varnothing		dimensions (mm)	
		mm	inch	L	D
20.405.20	- 20	31,8	1.1/4"	88	55
20.405.24	- 24	38,1	1.1/2"	94	62
20.405.32	- 32	50,8	2"	99	80



20.406 - Ferrule for DIN EN 856 4SH Hose (3/4" and 1"), SAE 100R13 Hose (all sizes) and SAE 100R15 Hose (all sizes)

part number	hose dash	hose \varnothing		dimensions (mm)	
		mm	inch	L	D
20.406.12	- 12	19,1	3/4"	60	38
20.406.16	- 16	25,4	1"	75	46
20.406.20	- 20	31,8	1.1/4"	88	60
20.406.24	- 24	38,1	1.1/2"	94	65
20.406.32	- 32	50,8	2"	99	80

also available:

Balfit[®] Stainless Steel DOUBLE SKIVE Powerspir Ferrules

(add an 'S' at the end of the part number; ex: 20.405.20S or 20.406.12S)

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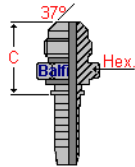
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Balfit® Hydraulic Hose Fittings



Balfit® JIC Male 37° - 23.2000

carbon steel, JIC American thread, 37° flared (5/8"- 18 is 45° flared) male for crimping on high pressure hydraulic hoses



According to ISO 12151-5 and ISO 8434-2 According to SAE J516 / SAE J514

Material : carbon steel, zinc plated

Ferrules : Balfit® ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107

Hoses : Balflex® wire braid hydraulic hoses SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST

Balflex® wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex® thermoplastic hydraulic hoses SAE 100R7 / SAE 100R8 / DIN EN 855 / STEEFLEX

Balflex® Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

Balflex® textile braid hydraulic hoses SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE

Balflex® Balwash Hoses

Balflex® 2 – MAX JACK / 3 – MAX

Balflex® SAE 100R12 / DIN EN 856 4SP on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
23.2000.0304	- 3	3/16"	7/16" – 20	- 4	26	12
23.2000.0404	- 4	1/4"	7/16" – 20	- 4	26	12
23.2000.0405	- 4	1/4"	1/2" – 20	- 5	26	14
23.2000.0406	- 4	1/4"	9/16" – 18	- 6	26	14
23.2000.0507	- 5	5/16"	5/8" – 18	- 7	26	17
23.2000.0505	- 5	5/16"	1/2" – 20	- 5	27	14
23.2000.0506	- 5	5/16"	9/16" – 18	- 6	27	17
23.2000.0606	- 6	3/8"	9/16" – 18	- 6	27	17
23.2000.0607	- 6	3/8"	5/8" – 18	- 7	28	17
23.2000.0608	- 6	3/8"	3/4" – 16	- 8	31	22
23.2000.0610	- 6	3/8"	7/8" – 14	- 10	34	24
23.2000.0808	- 8	1/2"	3/4" – 16	- 8	32	22
23.2000.0810	- 8	1/2"	7/8" – 14	- 10	35	24
23.2000.0812	- 8	1/2"	1.1/16" – 12	- 12	39	27
23.2000.1010	- 10	5/8"	7/8" – 14	- 10	35	24
23.2000.1012	- 10	5/8"	1.1/16" – 12	- 12	40	27
23.2000.1212	- 12	3/4"	1.1/16" – 12	- 12	40	27
23.2000.1214	- 12	3/4"	1.3/16" – 12	- 14	41	32
23.2000.1216	- 12	3/4"	1.5/16" – 12	- 16	42	36
23.2000.1616	- 16	1"	1.5/16" – 12	- 16	43	36
23.2000.1620	- 16	1"	1.5/8" – 12	- 20	47	46
23.2000.2020	- 20	1.1/4"	1.5/8" – 12	- 20	49	46
23.2000.2024	- 20	1.1/4"	1.7/8" – 12	- 24	54	50
23.2000.2424	- 24	1.1/2"	1.7/8" – 12	- 24	54	50
23.2000.3232	- 32	2"	2.1/2" – 12	- 32	72	65

also available:

Balfit® Stainless Steel JIC Male

(add an 'S' at the end of the part number; ex: 23.2000.0808S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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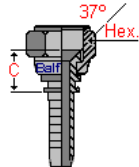
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Balflex® Hydraulic Hose Fittings

Balflex® JIC 37° Swivel Female - 23.4012

carbon steel, JIC American thread, 37° flared (5/8" - 18 is 45° flared) female for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**
(see option 23.4H12.- for back hexagon)

- Material :** carbon steel, zinc plated
- Ferrules :** Balflex® ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex® wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex® wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex® thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex® **Balpac** compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex® textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex® **Balwash Hoses**
- Balflex® **2 - MAX JACK / 3 - MAX**
- Balflex® **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
23.4012.0304	- 3	3/16"	7/16" - 20	- 4	13	15
23.4012.0404	- 4	1/4"	7/16" - 20	- 4	15	15
23.4012.0405	- 4	1/4"	1/2" - 20	- 5	15	17
23.4012.0406	- 4	1/4"	9/16" - 18	- 6	15	19
23.4012.0506	- 5	5/16"	9/16" - 18	- 6	16	19
23.4012.0606	- 6	3/8"	9/16" - 18	- 6	16	19
23.4012.0607	- 6	3/8"	5/8" - 18	- 7	15	22
23.4012.0608	- 6	3/8"	3/4" - 16	- 8	18	24
23.4012.0610	- 6	3/8"	7/8" - 14	- 10	19	27
23.4012.0808	- 8	1/2"	3/4" - 16	- 8	18	24
23.4012.0810	- 8	1/2"	7/8" - 14	- 10	19	27
23.4012.0812	- 8	1/2"	1.1/16" - 12	- 12	21	32
23.4012.1010	- 10	5/8"	7/8" - 14	- 10	20	27
23.4012.1012	- 10	5/8"	1.1/16" - 12	- 12	21	32
23.4012.1212	- 12	3/4"	1.1/16" - 12	- 12	21	32
23.4012.1214	- 12	3/4"	1.3/16" - 12	- 14	21	36
23.4012.1216	- 12	3/4"	1.5/16" - 12	- 16	22	41
23.4012.1616	- 16	1"	1.5/16" - 12	- 16	23	41
23.4012.1620	- 16	1"	1.5/8" - 12	- 20	25	50
23.4012.2020	- 20	1.1/4"	1.5/8" - 12	- 20	26	50
23.4012.2424	- 24	1.1/2"	1.7/8" - 12	- 24	27	55
23.4012.3232	- 32	2"	2.1/2" - 12	- 32	27	70

also available:

Balflex® Stainless Steel JIC Female

(add an 'S' at the end of the part number; ex: 23.4012.0808S)

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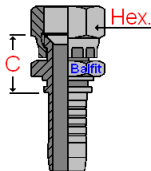
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Balfit® Hydraulic Hose Fittings



Balfit® JIC 37° Swivel Female with Back Hexagon - 23.4H12

carbon steel, JIC American thread, 37° flared (5/8"- 18 is 45° flared) female for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

Material : carbon steel, zinc plated

Ferrules : Balfit® ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107

Hoses : Balflex® wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**

Balflex® wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex® thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**

Balflex® Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

Balflex® textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**

Balflex® **Balwash Hoses**

Balflex® **2 – MAX JACK / 3 - MAX**

Balflex® **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
23.4H12.0404	- 4	1/4"	7/16" – 20	- 4	20	15
23.4H12.0405	- 4	1/4"	1/2" – 20	- 5	21	17
23.4H12.0406	- 4	1/4"	9/16" – 18	- 6	21	19
23.4H12.0506	- 5	5/16"	9/16" – 18	- 6	21	19
23.4H12.0606	- 6	3/8"	9/16" – 18	- 6	21	19
23.4H12.0607	- 6	3/8"	5/8" – 18	- 7	26	22
23.4H12.0608	- 6	3/8"	3/4" – 16	- 8	25	24
23.4H12.0610	- 6	3/8"	7/8" – 14	- 10	27	27
23.4H12.0808	- 8	1/2"	3/4" – 16	- 8	25	24
23.4H12.0810	- 8	1/2"	7/8" – 14	- 10	29	27
23.4H12.0812	- 8	1/2"	1.1/16" – 12	- 12	30	32
23.4H12.1010	- 10	5/8"	7/8" – 14	- 10	29	27
23.4H12.1012	- 10	5/8"	1.1/16" – 12	- 12	32	32
23.4H12.1212	- 12	3/4"	1.1/16" – 12	- 12	31	32
23.4H12.1214	- 12	3/4"	1.1/16" – 12	- 14	33	36
23.4H12.1216	- 12	3/4"	1.5/16" – 12	- 16	34	41
23.4H12.1616	- 16	1"	1.5/16" – 12	- 16	35	41
23.4H12.2020	- 20	1.1/4"	1.5/8" – 12	- 20	39	50
23.4H12.2424	- 24	1.1/2"	1.7/8" – 12	- 24	41	55
23.4H12.3232	- 32	2"	2.1/2" – 12	- 32	43	70

also available:

Balfit® Stainless Steel JIC Female with back hexagon

(add an 'S' at the end of the part number; ex: 23.4H12.0808S)

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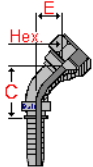
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] JIC 37° - 45° Swept Swivel Female - 23.4042

solid-piece, carbon steel, JIC American thread, 37° flared (5/8"- 18 is 45° flared) 45° Swept for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107

Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**

Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**

Balflex[®] **Balwash Hoses**

Balflex[®] **2 – MAX JACK / 3 - MAX**

Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
23.4042.0304	- 3	3/16"	7/16" – 20	- 4	22	15	15
23.4042.0404	- 4	1/4"	7/16" – 20	- 4	38	14	15
23.4042.0405	- 4	1/4"	1/2" – 20	- 5	40	14	17
23.4042.0406	- 4	1/4"	9/16" – 18	- 6	38	17	19
23.4042.0506	- 5	5/16"	9/16" – 18	- 6	47	18	19
23.4042.0606	- 6	3/8"	9/16" – 18	- 6	51	17	19
23.4042.0607	- 6	3/8"	5/8" – 18	- 7	51	17	22
23.4042.0608	- 6	3/8"	3/4" – 16	- 8	52	17	24
23.4042.0610	- 6	3/8"	7/8" – 14	- 10	54	21	27
23.4042.0808	- 8	1/2"	3/4" – 16	- 8	65	22	24
23.4042.0810	- 8	1/2"	7/8" – 14	- 10	64	23	27
23.4042.0812	- 8	1/2"	1.1/16" – 12	- 12	68	25	32
23.4042.1010	- 10	5/8"	7/8" – 14	- 10	68	24	27
23.4042.1012	- 10	5/8"	1.1/16" – 12	- 12	70	25	32
23.4042.1212	- 12	3/4"	1.1/16" – 12	- 12	84	28	32
23.4042.1214	- 12	3/4"	13/16" – 12	- 14	56	53	36
23.4042.1216	- 12	3/4"	1.5/16" – 12	- 16	88	30	41
23.4042.1616	- 16	1"	1.5/16" – 12	- 16	104	33	41
23.4042.2020	- 20	1.1/4"	1.5/8" – 12	- 20	104	45	50
23.4042.2424	- 24	1.1/2"	1.7/8" – 12	- 24	140	49	55
23.4042.3232	- 32	2"	2.1/2" – 12	- 32	170	68	70

also available:

Balfit[®] Stainless Steel 45° Swept JIC Female

(add an 'S' at the end of the part number; ex: 23.4042.0404S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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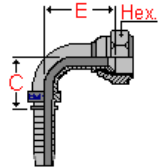
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Balfit® Hydraulic Hose Fittings



Balfit® JIC 37° - 90° Swept Swivel Female - 23.4092

solid-piece, carbon steel, JIC American thread, 37° flared (5/8"- 18 is 45° flared) 90° Swept for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit® ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex® wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex® wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex® thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex® **Balpac** compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex® textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex® **Balwash Hoses**
- Balflex® **2 – MAX JACK / 3 – MAX**
- Balflex® **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	C	E	Hex.
		Ø			Cut Off		
		inch			mm	mm	mm
23.4092.0304	- 3	3/16"	7/16" – 20	- 4	22	22	15
23.4092.0404	- 4	1/4"	7/16" – 20	- 4	25	26	15
23.4092.0405	- 4	1/4"	1/2" – 20	- 5	25	26	17
23.4092.0406	- 4	1/4"	9/16" – 18	- 6	25	27	19
23.4092.0506	- 5	5/16"	9/16" – 18	- 6	33	31	19
23.4092.0606	- 6	3/8"	9/16" – 18	- 6	36	33	19
23.4092.0607	- 6	3/8"	5/8" – 18	- 7	33	32	22
23.4092.0608	- 6	3/8"	3/4" – 16	- 8	37	39	24
23.4092.0610	- 6	3/8"	7/8" – 14	- 10	34	39	27
23.4092.0808	- 8	1/2"	3/4" – 16	- 8	39	42	24
23.4092.0810	- 8	1/2"	7/8" – 14	- 10	44	47	27
23.4092.0812	- 8	1/2"	1.1/16" – 12	- 12	40	45	32
23.4092.1010	- 10	5/8"	7/8" – 14	- 10	46	46	27
23.4092.1012	- 10	5/8"	1.1/16" – 12	- 12	45	49	32
23.4092.1212	- 12	3/4"	1.1/16" – 12	- 12	56	54	32
23.4092.1214	- 12	3/4"	1.3/16" – 12	- 14	58	58	36
23.4092.1216	- 12	3/4"	1.5/16" – 12	- 16	63	62	41
23.4092.1616	- 16	1"	1.5/16" – 12	- 16	73	71	41
23.4092.2020	- 20	1.1/4"	1.5/8" – 12	- 20	85	88	50
23.4092.2424	- 24	1.1/2"	1.7/8" – 12	- 24	99	101	55
23.4092.3232	- 32	2"	2.1/2" – 12	- 32	125	124	70

also available:

Balfit® Stainless Steel 90° Swept JIC Female

(add an 'S' at the end of the part number; ex: 23.4092.0606S)

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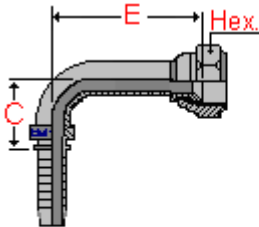
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] JIC 37° - 90° Swept Swivel Female SAE Long Drop - 23.4092L

solid-piece, carbon steel, JIC American thread, 37° flared (5/8"- 18 is 45° flared) 90° Swept for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516**

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107

Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**

Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**

Balflex[®] **Balpac** compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**

Balflex[®] **Balwash Hoses**

Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	C	E	Hex.
		inch			Cut Off		
23.4092.0606L	- 6	3/8"	9/16" - 18	- 6	36	55.4	19
23.4092.0608L	- 6	3/8"	3/4" - 16	- 8	37	61.7	24
23.4092.0808L	- 8	1/2"	3/4" - 16	- 8	39	61.7	24
23.4092.0810L	- 8	1/2"	7/8" - 14	- 10	44	65.3	27
23.4092.1212L	- 12	3/4"	1-1/16" - 12	- 12	56	94.7	32
23.4092.1616L	- 16	1"	1-5/16" - 12	- 16	73	110	41

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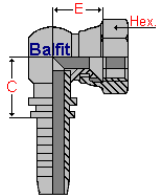
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] JIC 37° Compact Elbow Female - 23.4082

solid-piece, carbon steel, JIC (American thread, 37° flared) 90° compact elbow swivel female for crimping on high pressure hydraulic hoses



According to **ISO 8434-2** According to **SAE J514**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex[®] **Balwash Hoses**
- Balflex[®] **2 – MAX JACK / 3 - MAX**
- Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	C	E	Hex.
		Ø			Cut Off		
		inch			mm	mm	mm
23.4082.0404	- 4	1/4"	7/16" – 20	- 4	14	20	14
23.4082.0405	- 4	1/4"	1/2" – 20	- 5	14	21	17
23.4082.0406	- 4	1/4"	9/16" – 18	- 6	15	24	19
23.4082.0506	- 5	5/16"	9/16" – 18	- 6	15	24	19
23.4082.0606	- 6	3/8"	9/16" – 18	- 6	18	24	19
23.4082.0608	- 6	3/8"	3/4" – 16	- 8	20	23	24
23.4082.0808	- 8	1/2"	3/4" – 16	- 8	21	23	24
23.4082.0810	- 8	1/2"	7/8" – 14	- 10	21	23	27
23.4082.1010	- 10	5/8"	7/8" – 14	- 10	23	27	27
23.4082.1012	- 10	5/8"	1.1/16" – 12	- 12	23	29	32
23.4082.1212	- 12	3/4"	1.1/16" – 12	- 12	27	31	32
23.4082.1616	- 16	1"	1.5/16" – 12	- 16	35	37	41

also available:

Balfit[®] Stainless Steel 90° Compact Elbow JIC Female

(add an 'S' at the end of the part number; ex: 23.4082.0606S)

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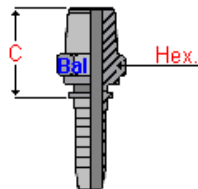
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Balflex® Hydraulic Hose Fittings

Balflex® NPT Male - 23.0400

carbon steel, NPT (dry-seal taper thread) male fitting for crimping on high pressure hydraulic hoses



According to **SAE J516 / SAE J514**

- Material :** carbon steel, zinc plated
- Ferrules :** Balflex® ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex® wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex® wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex® thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex® Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex® textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex® **Balwash Hoses**
- Balflex® **2 – MAX JACK / 3 – MAX**
- Balflex® **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	C Cut Off	Hex.
		∅				
		inch			mm	mm
23.0400.0302	- 3	3/16"	1/8" – 27	- 2	22	12
23.0400.0304	- 3	3/16"	1/4" – 18	- 4	28	17
23.0400.0402	- 4	1/4"	1/8" – 27	- 2	23	12
23.0400.0404	- 4	1/4"	1/4" – 18	- 4	28	17
23.0400.0406	- 4	1/4"	3/8" – 18	- 6	28	19
23.0400.0504	- 5	5/16"	1/4" – 18	- 4	28	17
23.0400.0506	- 5	5/16"	3/8" – 18	- 6	28	19
23.0400.0508	- 5	5/16"	1/2" – 14	- 8	34	22
23.0400.0604	- 6	3/8"	1/4" – 18	- 4	28	17
23.0400.0606	- 6	3/8"	3/8" – 18	- 6	30	19
23.0400.0608	- 6	3/8"	1/2" – 14	- 8	35	22
23.0400.0806	- 8	1/2"	3/8" – 18	- 6	31	19
23.0400.0808	- 8	1/2"	1/2" – 14	- 8	35	22
23.0400.0812	- 8	1/2"	3/4" – 14	- 12	38	27
23.0400.1012	- 10	5/8"	3/4" – 14	- 12	38	27
23.0400.1212	- 12	3/4"	3/4" – 14	- 12	39	27
23.0400.1216	- 12	3/4"	1" – 11.1/2	- 16	44	36
23.0400.1616	- 16	1"	1" – 11.1/2	- 16	45	36
23.0400.1620	- 16	1"	1.1/4" – 11.1/2	- 20	50	46
23.0400.2020	- 20	1.1/4"	1.1/4" – 11.1/2	- 20	49	46
23.0400.2424	- 24	1.1/2"	1.1/2" – 11.1/2	- 24	51	50
23.0400.3232	- 32	2"	2" – 11.1/2	- 32	55	65

also available:

Balflex® Stainless Steel NPT Male

(add an 'S' at the end of the part number; ex: 23.0400.0808 S)

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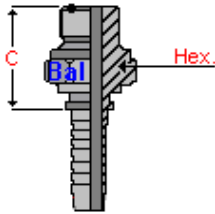
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Balfit® Hydraulic Hose Fittings



Balfit® ORFS Male - 23.4000

carbon steel, ORFS, O'ring face seal male fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-1** and **ISO 8434-3** According to **SAE J 1453**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit® ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex® wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex® wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex® thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex® Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex® textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex® **Balwash Hoses**
- Balflex® **2 – MAX JACK / 3 – MAX**
- Balflex® **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	C Cut Off	Hex.
		Ø				
		inch			mm	mm
23.4000.0404	- 4	1/4"	9/16" – 18	- 4	23	17
23.4000.0406	- 4	1/4"	11/16" – 16	- 6	21	19
23.4000.0506	- 5	5/16"	11/16" – 16	- 6	26	19
23.4000.0606	- 6	3/8"	11/16" – 16	- 6	26	19
23.4000.0608	- 6	3/8"	13/16" – 16	- 8	29	22
23.4000.0808	- 8	1/2"	13/16" – 16	- 8	29	22
23.4000.0810	- 8	1/2"	1" – 14	- 10	34	27
23.4000.1010	- 10	5/8"	1" – 14	- 10	33	27
23.4000.1012	- 10	5/8"	1.3/16" – 14	- 12	35	32
23.4000.1212	- 12	3/4"	1.3/16" – 14	- 12	36	32
23.4000.1616	- 16	1"	1.7/16" – 12	- 16	37	38
23.4000.2020	- 20	1.1/4"	1.11/16" – 12	- 20	38	46

also available:

Balfit® Stainless Steel ORFS Male

(add an 'S' at the end of the part number; ex: 23.4000.0404 S)

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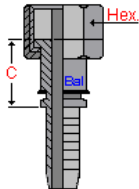
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] ORFS Swivel Female - 23.4414

carbon steel, ORFS, O'ring face seal female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-1** and **ISO 8434-3** According to **SAE J 1453**
(see option 23.44H4. - for back hexagon)

- Material :** carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**
 Balflex[®] **2 – MAX JACK / 3 – MAX**
 Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	C Cut Off	Hex.
		Ø				
		inch			mm	mm
23.4414.0404	- 4	1/4"	9/16" – 18	- 4	20	19
23.4414.0406	- 4	1/4"	11/16" – 16	- 6	23	22
23.4414.0506	- 5	5/16"	11/16" – 16	- 6	24	22
23.4414.0606	- 6	3/8"	11/16" – 16	- 6	18	22
23.4414.0608	- 6	3/8"	13/16" – 16	- 8	25	27
23.4414.0808	- 8	1/2"	13/16" – 16	- 8	26	27
23.4414.0810	- 8	1/2"	1" – 14	- 10	30	30
23.4414.0812	- 8	1/2"	1.3/16" – 14	- 12	27	36
23.4414.1010	- 10	5/8"	1" – 14	- 10	30	30
23.4414.1012	- 10	5/8"	1.3/16" – 14	- 12	31	36
23.4414.1210	- 12	3/4"	1" – 14	- 10	34	30
23.4414.1212	- 12	3/4"	1.3/16" – 14	- 12	31	36
23.4414.1216	- 12	3/4"	1.7/16" – 12	- 16	33	41
23.4414.1616	- 16	1"	1.7/16" – 12	- 16	35	41
23.4414.2020	- 20	1.1/4"	1.11/16" – 12	- 20	40	50
23.4414.2424	- 24	1.1/2"	2" - 12	- 24	41	60

also available:

Balfit[®] Stainless Steel ORFS Female

(add an 'S' at the end of the part number; ex: 23.4414.0606 S)

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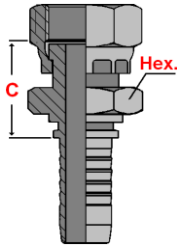
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] ORFS Swivel Female with Back Hexagon - 23.44H4

carbon steel, ORFS, O'ring face seal female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-1** and **ISO 8434-3** According to **SAE J 1453**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex[®] **Balwash Hoses**
- Balflex[®] **2 – MAX JACK / 3 – MAX**
- Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	C	Hex.
		Ø				
		inch			mm	mm
23.44H4.0404	- 4	1/4"	9/16" – 18	- 4	27	19
23.44H4.0406	- 4	1/4"	11/16" – 16	- 6	31	22
23.44H4.0606	- 6	3/8"	11/16" – 16	- 6	31	22
23.44H4.0608	- 6	3/8"	13/16" – 16	- 8	36	27
23.44H4.0808	- 8	1/2"	13/16" – 16	- 8	37	27
23.44H4.0810	- 8	1/2"	1" – 14	- 10	41	30
23.44H4.1010	- 10	5/8"	1" – 14	- 10	42	30
23.44H4.1212	- 12	3/4"	1.3/16" – 14	- 12	43	36
23.44H4.1616	- 16	1"	1.7/16" – 12	- 16	35	41

also available:

Balfit[®] Stainless Steel ORFS Female with Back Hexagon

(add an 'S' at the end of the part number; ex: 23.44H4.0606 S)

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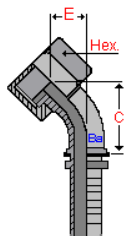
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] ORFS 45° Swept Swivel Female - 23.4444

solid-piece, carbon steel, ORFS, O'ring face seal fitting 45° swept swivel female for crimping on high pressure hydraulic hoses



According to **ISO 12151-1** and **ISO 8434-3** According to **SAE J 1453**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex[®] **Balwash Hoses**
- Balflex[®] **2 – MAX JACK / 3 – MAX**
- Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	C	E	Hex.
		Ø			Cut Off		
		inch			mm	mm	mm
23.4444.0404	- 4	1/4"	9/16" – 18	- 4	40	14	19
23.4444.0406	- 4	1/4"	11/16" – 16	- 6	40	15	22
23.4444.0506	- 5	5/16"	11/16" – 16	- 6	44	14	22
23.4444.0606	- 6	3/8"	11/16" – 16	- 6	52	17	22
23.4444.0608	- 6	3/8"	13/16" – 16	- 8	51	18	27
23.4444.0808	- 8	1/2"	13/16" – 16	- 8	60	23	27
23.4444.0810	- 8	1/2"	1" – 14	- 10	66	23	30
23.4444.1010	- 10	5/8"	1" – 14	- 10	71	26	30
23.4444.1212	- 12	3/4"	1.3/16" – 14	- 12	83	27	36
23.4444.1616	- 16	1"	1.7/16" – 12	- 16	100	30	41
23.4444.2020	- 20	1.1/4"	1.11/16" – 12	- 20	125	44	50
23.4444.2424	- 24	1.1/2"	2" - 12	- 24	96	36.5	60

also available:

Balfit[®] Stainless Steel ORFS 45° Swept Swivel Female

(add an 'S' at the end of the part number; ex: 23.4444.1010 S)

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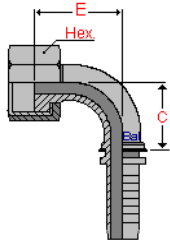
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] ORFS 90° Swept Swivel Female - 23.4494

solid-piece, carbon steel, ORFS, O'ring face seal fitting 90° swept swivel female for crimping on high pressure hydraulic hoses



According to **ISO 12151-1** and **ISO 8434-3** According to **SAE J 1453**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex[®] **Balwash Hoses**
- Balflex[®] **2 – MAX JACK / 3 – MAX**
- Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	C	E	Hex.
		∅			Cut Off		
		inch			mm	mm	mm
23.4494.0404	- 4	1/4"	9/16" – 18	- 4	27	26	19
23.4494.0406	- 4	1/4"	11/16" – 16	- 6	34	23	22
23.4494.0506	- 5	5/16"	11/16" – 16	- 6	32	29	22
23.4494.0606	- 6	3/8"	11/16" – 16	- 6	36	32	22
23.4494.0608	- 6	3/8"	13/16" – 16	- 8	37	32	27
23.4494.0808	- 8	1/2"	13/16" – 16	- 8	41	40	27
23.4494.0810	- 8	1/2"	1" – 14	- 10	39	40	30
23.4494.1010	- 10	5/8"	1" – 14	- 10	47	45	30
23.4494.1012	- 10	5/8"	1.3/16" – 14	- 12	57	49	36
23.4494.1212	- 12	3/4"	1.3/16" – 14	- 12	57	51	36
23.4494.1616	- 16	1"	1.7/16" – 12	- 16	72	62	41
23.4494.2020	- 20	1.1/4"	1.11/16" – 12	- 20	83	73	50
23.4494.2424	- 24	1.1/2"	2" - 12	- 24	92	84	60

also available:

Balfit[®] Stainless Steel ORFS 90° Swept Swivel Female

(add an 'S' at the end of the part number; ex: 23.4494.1010 S)

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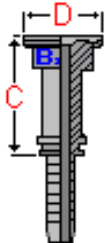
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] Straight SAE 3000 PSI (code 61) Flange - 23.7013

solid-piece, carbon steel light (code 61) flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**
 Balflex[®] **2 – MAX JACK / 3 – MAX**
 Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	Flange size	flange	D	C
		Ø		dash	Ø Flange	
		inch	inch		mm	mm
23.7013.0808	- 8	1/2"	1/2"	- 8	30,2	46
23.7013.0812	- 8	1/2"	3/4"	- 12	38,1	47
23.7013.1010 (a)	- 10	5/8"	5/8"	- 10	34,0	50
23.7013.1012	- 10	5/8"	3/4"	- 12	38,1	50
23.7013.1212	- 12	3/4"	3/4"	- 12	38,1	48
23.7013.1216	- 12	3/4"	1"	- 16	44,5	51
23.7013.1616	- 16	1"	1"	- 16	44,5	52
23.7013.1620	- 16	1"	1.1/4"	- 20	50,8	57
23.7013.2020	- 20	1.1/4"	1.1/4"	- 20	50,8	58
23.7013.2024	- 20	1.1/4"	1.1/2"	- 24	60,3	68
23.7013.2424	- 24	1.1/2"	1.1/2"	- 24	60,3	68
23.7013.2432	- 24	1.1/2"	2"	- 32	71,4	71
23.7013.3232	- 32	2"	2"	- 32	71,4	71

(a) Japanese flange, size according to **JIS** standards; not included in **SAE J518**

also available:

Balfit[®] Stainless Steel Straight SAE 3000 PSI (code 61) Flange

(add an 'S' at the end of the part number; ex: 23.7013.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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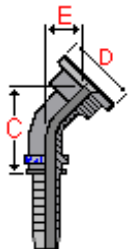
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] 45° Swept SAE 3000 PSI (code 61) Flange - 23.7043

solid-piece, carbon steel light (code 61) 45° swept flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN
Balflex[®] thermoplastic hydraulic hoses SAE 100R7 / SAE 100R8 / DIN EN 855
Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC
Balflex[®] textile braid hydraulic hoses SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE
Balflex[®] Balwash Hoses
Balflex[®] 2 – MAX JACK / 3 – MAX
Balflex[®] SAE 100R12 / DIN EN 856 4SP on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	Flange size	flange	D	C	E
		∅	inch	dash	∅ Flange	Cut Off	
		inch	inch		mm	mm	mm
23.7043.0808	- 8	1/2"	1/2"	- 8	30,2	62	22
23.7043.0812	- 8	1/2"	3/4"	- 12	38,1	68	25
23.7043.1010 (a)	- 10	5/8"	5/8"	- 10	34,0	68	24
23.7043.1012	- 10	5/8"	3/4"	- 12	38,1	68	24
23.7043.1212	- 12	3/4"	3/4"	- 12	38,1	68	24
23.7043.1216	- 12	3/4"	1"	- 16	44,5	88	30
23.7043.1616	- 16	1"	1"	- 16	44,5	104	33
23.7043.1620	- 16	1"	1.1/4"	- 20	50,8	108	37
23.7043.2020	- 20	1.1/4"	1.1/4"	- 20	50,8	125	38
23.7043.2024	- 20	1.1/4"	1.1/2"	- 24	60,3	129	39
23.7043.2424	- 24	1.1/2"	1.1/2"	- 24	60,3	146	50
23.7043.2432	- 24	1.1/2"	2"	- 32	71,4	176	58
23.7043.3232	- 32	2"	2"	- 32	71,4	176	58

(a) Japanese flange, size according to **JIS** standards; not included in **SAE J518**

also available:

Balfit[®] Stainless Steel 45° Swept SAE 3000 PSI (code 61) Flange

(add an 'S' at the end of the part number; ex: 23.7043.1212 S)

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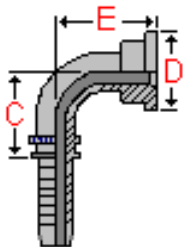
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] 90° Swept SAE 3000 PSI (code 61) Flange - 23.7093

solid-piece, carbon steel light (code 61) 90° swept flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex[®] **Balwash Hoses**
- Balflex[®] **2 – MAX JACK / 3 – MAX**
- Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	Flange size	flange dash	D	C	E
		inch	inch		Ø Flange	Cut Off	
		mm	mm		mm	mm	mm
23.7093.0808	- 8	1/2"	1/2"	- 8	30,2	39	39
23.7093.0812	- 8	1/2"	3/4"	- 12	38,1	39	44
23.7093.1010 (a)	- 10	5/8"	5/8"	- 10	34,0	53	52
23.7093.1012	- 10	5/8"	3/4"	- 12	38,1	53	53
23.7093.1212	- 12	3/4"	3/4"	- 12	38,1	56	53
23.7093.1216	- 12	3/4"	1"	- 16	44,5	58	58
23.7093.1616	- 16	1"	1"	- 16	44,5	70	65
23.7093.1620	- 16	1"	1.1/4"	- 20	50,8	70	70
23.7093.2020	- 20	1.1/4"	1.1/4"	- 20	50,8	85	81
23.7093.2024	- 20	1.1/4"	1.1/2"	- 24	60,3	85	85
23.7093.2424	- 24	1.1/2"	1.1/2"	- 24	60,3	99	92
23.7093.2432	- 24	1.1/2"	2"	- 32	71,4	99	92
23.7093.3232	- 32	2"	2"	- 32	71,4	123	121

(a) Japanese flange, size according to **JIS** standards; not included in **SAE J518**

also available:

Balfit[®] Stainless Steel 90° Swept SAE 3000 PSI (code 61) Flange

(add an 'S' at the end of the part number; ex: 23.7093.1212 S)

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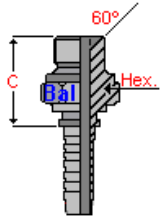
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Balfit® Hydraulic Hose Fittings



Balfit® BSP Male - 23.0100

carbon steel, BSP (British thread 60° cone) male fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

- Material :** carbon steel, zinc plated
Ferrules : Balfit® ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex® wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex® wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex® thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex® Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex® textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex® **Balwash Hoses**
 Balflex® **2 – MAX JACK / 3 – MAX**
 Balflex® **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread	C Cut Off	Hex.
		Ø		dash		
		inch			mm	mm
23.0100.0302	- 3	3/16"	1/8" – 28	- 2	23	14
23.0100.0304	- 3	3/16"	1/4" – 19	- 4	22	19
23.0100.0402	- 4	1/4"	1/8" – 28	- 2	20	14
23.0100.0404	- 4	1/4"	1/4" – 19	- 4	22	19
23.0100.0406	- 4	1/4"	3/8" – 19	- 6	28	22
23.0100.0408	- 4	1/4"	1/2" – 14	- 8	31	27
23.0100.0506	- 5	5/16"	3/8" – 19	- 6	26	22
23.0100.0508	- 5	5/16"	1/2" – 14	- 8	29	27
23.0100.0604	- 6	3/8"	1/4" – 19	- 4	23	19
23.0100.0606	- 6	3/8"	3/8" – 19	- 6	26	22
23.0100.0608	- 6	3/8"	1/2" – 14	- 8	29	27
23.0100.0806	- 8	1/2"	3/8" – 19	- 6	27	22
23.0100.0808	- 8	1/2"	1/2" – 14	- 8	29	27
23.0100.0810	- 8	1/2"	5/8" – 14	- 10	31	30
23.0100.0812	- 8	1/2"	3/4" – 14	- 12	33	32
23.0100.1010	- 10	5/8"	5/8" – 14	- 10	32	30
23.0100.1012	- 10	5/8"	3/4" – 14	- 12	34	32
23.0100.1212	- 12	3/4"	3/4" – 14	- 12	34	32
23.0100.1216	- 12	3/4"	1" – 11	- 16	38	41
23.0100.1616	- 16	1"	1" – 11	- 16	39	41
23.0100.1620	- 16	1"	1.1/4" – 11	- 20	44	46
23.0100.2020	- 20	1.1/4"	1.1/4" – 11	- 20	45	46
23.0100.2024	- 20	1.1/4"	1.1/2" – 11	- 24	45	55
23.0100.2424	- 24	1.1/2"	1.1/2" – 11	- 24	45	55
23.0100.2432	- 24	1.1/2"	2" – 11	- 32	52	70
23.0100.3232	- 32	2"	2" – 11	- 32	52	70

also available:

Balfit® Stainless Steel BSP Male

(add an 'S' at the end of the part number; ex: 23.0100.1212 S)

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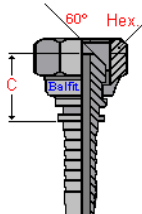
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] BSP Swivel Female - 23.3012

carbon steel, BSP (British thread 60° cone) female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

- Material :** carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**
 Balflex[®] **2 – MAX JACK / 3 – MAX**
 Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
23.3012.0302	- 3	3/16"	1/8" – 28	- 2	15	14
23.3012.0304	- 3	3/16"	1/4" – 19	- 4	17	19
23.3012.0402	- 4	1/4"	1/8" – 28	- 2	16	14
23.3012.0404	- 4	1/4"	1/4" – 19	- 4	17	19
23.3012.0406	- 4	1/4"	3/8" – 19	- 6	19	22
23.3012.0408	- 4	1/4"	1/2" – 14	- 8	20	27
23.3012.0506	- 5	5/16"	3/8" – 19	- 6	20	22
23.3012.0604	- 6	3/8"	1/4" – 19	- 4	19	19
23.3012.0606	- 6	3/8"	3/8" – 19	- 6	20	22
23.3012.0608	- 6	3/8"	1/2" – 14	- 8	21	27
23.3012.0806	- 8	1/2"	3/8" – 19	- 6	20	22
23.3012.0808	- 8	1/2"	1/2" – 14	- 8	22	27
23.3012.0810	- 8	1/2"	5/8" – 14	- 10	22	30
23.3012.0812	- 8	1/2"	3/4" – 14	- 12	23	32
23.3012.1010	- 10	5/8"	5/8" – 14	- 10	23	30
23.3012.1012	- 10	5/8"	3/4" – 14	- 12	24	32
23.3012.1212	- 12	3/4"	3/4" – 14	- 12	24	32
23.3012.1216	- 12	3/4"	1" – 11	- 16	24	41
23.3012.1616	- 16	1"	1" – 11	- 16	27	41
23.3012.1620	- 16	1"	1.1/4" – 11	- 20	29	50
23.3012.2020	- 20	1.1/4"	1.1/4" – 11	- 20	31	50
23.3012.2424	- 24	1.1/2"	1.1/2" – 11	- 24	32	55
23.3012.3232	- 32	2"	2" – 11	- 32	34	70

also available:

Balfit[®] Stainless Steel BSP Female

(add an 'S' at the end of the part number; ex: 23.3012.12 S)

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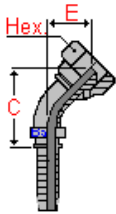
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Balfit® Hydraulic Hose Fittings



Balfit® 45° Swept BSP Swivel Female - 23.3042

solid-piece, carbon steel, BSP (British thread 60° cone) 45° swept BSP female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit® ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex® wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex® wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex® thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex® Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex® textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex® **Balwash Hoses**
- Balflex® **2 – MAX JACK / 3 – MAX**
- Balflex® **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	C	E	Hex.
		Ø			Cut Off		
		inch			mm	mm	mm
23.3042.0302	- 3	3/16"	1/8" – 28	- 2	33	15	14
23.3042.0304	- 3	3/16"	1/4" – 19	- 4	35	15	19
23.3042.0402	- 4	1/4"	1/8" – 28	- 2	40	14	14
23.3042.0404	- 4	1/4"	1/4" – 19	- 4	41	15	19
23.3042.0406	- 4	1/4"	3/8" – 19	- 6	44	18	22
23.3042.0506	- 5	5/16"	3/8" – 19	- 6	49	20	22
23.3042.0606	- 6	3/8"	3/8" – 19	- 6	52	19	22
23.3042.0608	- 6	3/8"	1/2" – 14	- 8	55	21	27
23.3042.0808	- 8	1/2"	1/2" – 14	- 8	67	24	27
23.3042.0810	- 8	1/2"	5/8" – 14	- 10	68	25	30
23.3042.0812	- 8	1/2"	3/4" – 14	- 12	70	27	32
23.3042.1010	- 10	5/8"	5/8" – 14	- 10	68	23	30
23.3042.1012	- 10	5/8"	3/4" – 14	- 12	72	27	32
23.3042.1212	- 12	3/4"	3/4" – 14	- 12	86	30	32
23.3042.1216	- 12	3/4"	1" – 11	- 16	88	32	41
23.3042.1616	- 16	1"	1" – 11	- 16	107	35	41
23.3042.2020	- 20	1.1/4"	1.1/4" – 11	- 20	129	40	50
23.3042.2424	- 24	1.1/2"	1.1/2" – 11	- 24	221	47	55
23.3042.3232	- 32	2"	2" – 11	- 32	196	70	70

also available:

Balfit® Stainless Steel 45° Swept Female BSP

(add an 'S' at the end of the part number; ex: 23.3042.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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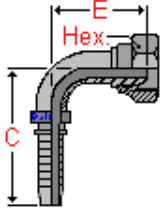
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] 90° Swept BSP Swivel Female - 23.3092

solid-piece, carbon steel, BSP (British thread 60° cone) 90° swept BSP female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex[®] **Balwash Hoses**
- Balflex[®] **2 – MAX JACK / 3 – MAX**
- Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	C	E	Hex.
		Ø			Cut Off		
		inch			mm	mm	mm
23.3092.0302	- 3	3/16"	1/8" – 28	- 2	22	23	14
23.3092.0304	- 3	3/16"	1/4" – 19	- 4	22	25	19
23.3092.0402	- 4	1/4"	1/8" – 28	- 2	25	30	14
23.3092.0404	- 4	1/4"	1/4" – 19	- 4	30	29	19
23.3092.0406	- 4	1/4"	3/8" – 19	- 6	25	31	22
23.3092.0506	- 5	5/16"	3/8" – 19	- 6	32	35	22
23.3092.0606	- 6	3/8"	3/8" – 19	- 6	33	38	22
23.3092.0608	- 6	3/8"	1/2" – 14	- 8	33	41	27
23.3092.0808	- 8	1/2"	1/2" – 14	- 8	45	44	27
23.3092.0810	- 8	1/2"	5/8" – 14	- 10	42	45	30
23.3092.0812	- 8	1/2"	3/4" – 14	- 12	42	48	32
23.3092.1010	- 10	5/8"	5/8" – 14	- 10	50	45	30
23.3092.1012	- 10	5/8"	3/4" – 14	- 12	50	50	32
23.3092.1212	- 12	3/4"	3/4" – 14	- 12	56	57	32
23.3092.1216	- 12	3/4"	1" – 11	- 16	58	63	41
23.3092.1616	- 16	1"	1" – 11	- 16	74	73	41
23.3092.2020	- 20	1.1/4"	1.1/4" – 11	- 20	90	92	50
23.3092.2424	- 24	1.1/2"	1.1/2" – 11	- 24	99	100	55
23.3092.3232	- 32	2"	2" – 11	- 32	129	130	70

also available:

Balfit[®] Stainless Steel 90° Swept Female BSP

(add an 'S' at the end of the part number; ex: 23.3092.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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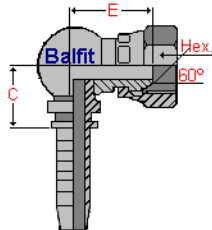
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] 90° Compact Elbow BSP Swivel Female - 23.3082

carbon steel, BSP (British thread 60° cone) 90° compact elbow BSP female fitting for crimping on high pressure hydraulic hoses



According to **BS 5200**

- Material :** carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**
 Balflex[®] **2 – MAX JACK / 3 – MAX**
 Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
23.3082.0404	- 4	1/4"	1/4" – 19	- 4	22	25	19
23.3082.0506	- 5	5/16"	3/8" – 19	- 6	26	29	22
23.3082.0606	- 6	3/8"	3/8" – 19	- 6	26	29	22
23.3082.0608	- 6	3/8"	1/2" – 14	- 8	28	34	27
23.3082.0808	- 8	1/2"	1/2" – 14	- 8	30	34	27
23.3082.1010	- 10	5/8"	5/8" – 14	- 10	30	35	28
23.3082.1212	- 12	3/4"	3/4" – 14	- 12	36	39	32
23.3082.1616	- 16	1"	1" – 11	- 16	45	46	38

also available:

Balfit[®] Stainless Steel 90° Compact Elbow Female BSP

(add an 'S' at the end of the part number; ex: 23.3082.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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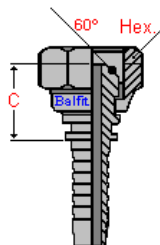
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] BSP O'ring Swivel Female - 23.3112

carbon steel, BSP (British thread 60° cone with O-ring) female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**
 Balflex[®] **2 – MAX JACK / 3 – MAX**
 Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread	C Cut Off	Hex.
		Ø		dash		
		inch			mm	mm
23.3112.0404	- 4	1/4"	1/4" – 19	- 4	17	19
23.3112.0606	- 6	3/8"	3/8" – 19	- 6	20	22
23.3112.0808	- 8	1/2"	1/2" – 14	- 8	22	27
23.3112.1010	- 10	5/8"	5/8" – 14	- 10	23	30
23.3112.1212	- 12	3/4"	3/4" – 14	- 12	24	32
23.3112.1616	- 16	1"	1" – 11	- 16	27	41

also available:

Balfit[®] Stainless Steel BSP O'ring Female

(add an 'S' at the end of the part number; ex: 23.3112.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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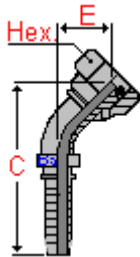
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] BSP 45° Swept O'ring Swivel Female - 23.3142

solid-piece, carbon steel, BSP (British thread 60° cone with O-ring) 45° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex[®] **Balpac** compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex[®] **Balwash Hoses**
- Balflex[®] **2 – MAX JACK / 3 – MAX**
- Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	C	E	Hex.
		Ø			Cut Off		
		inch			mm	mm	mm
23.3142.0404	- 4	1/4"	1/4" – 19	- 4	41	15	19
23.3142.0606	- 6	3/8"	3/8" – 19	- 6	52	19	22
23.3142.0808	- 8	1/2"	1/2" – 14	- 8	67	24	27
23.3142.1010	- 10	5/8"	5/8" – 14	- 10	68	23	30
23.3142.1212	- 12	3/4"	3/4" – 14	- 12	86	30	32
23.3142.1616	- 16	1"	1" – 11	- 16	107	35	41

also available:

Balfit[®] Stainless Steel BSP 45° Swept O'ring Female

(add an 'S' at the end of the part number; ex: 23.3142.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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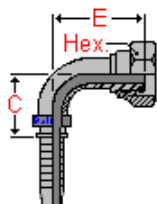
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] BSP 90° Swept O'ring Swivel Female - 23.3192

solid-piece, carbon steel, BSP (British thread 60° cone with O-ring) 90° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex[®] **Balwash Hoses**
- Balflex[®] **2 – MAX JACK / 3 – MAX**
- Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
23.3192.0404	- 4	1/4"	1/4" – 19	- 4	30	29	19
23.3192.0606	- 6	3/8"	3/8" – 19	- 6	33	38	22
23.3192.0808	- 8	1/2"	1/2" – 14	- 8	45	44	27
23.3192.1010	- 10	5/8"	5/8" – 14	- 10	50	45	30
23.3192.1212	- 12	3/4"	3/4" – 14	- 12	56	57	32
23.3192.1616	- 16	1"	1" – 11	- 16	74	73	41

also available:

Balfit[®] Stainless Steel BSP 90° Swept O'ring Female

(add an 'S' at the end of the part number; ex: 23.3192.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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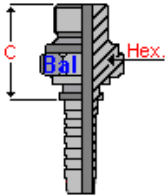
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] BSP Flat Face Male - 23.0500

carbon steel, BSP (British thread 60° cone with O-ring) flat face male fitting for crimping on high pressure hydraulic hoses



According to **BS 5200** Sealing detail according to **DIN 3852** type **A** (for sealing washer)

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex[®] wire braid hydraulic hoses** **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex[®] thermoplastic hydraulic hoses** **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex[®] Balpac compact hydraulic hoses** **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex[®] textile braid hydraulic hoses** **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex[®] Balwash Hoses**
- Balflex[®] 2 – MAX JACK / 3 – MAX**
- Balflex[®] SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
23.0500.0404	- 4	1/4"	1/4" – 19	- 4	22	19
23.0500.0406	- 4	1/4"	3/8" – 19	- 6	28	22
23.0500.0506	- 5	5/16"	3/8" – 19	- 6	26	22
23.0500.0606	- 6	3/8"	3/8" – 19	- 6	26	22
23.0500.0608	- 6	3/8"	1/2" – 14	- 8	29	27
23.0500.0808	- 8	1/2"	1/2" – 14	- 8	29	27
23.0500.0812	- 8	1/2"	3/4" – 14	- 12	33	32
23.0500.1012	- 10	5/8"	3/4" – 14	- 12	34	32
23.0500.1212	- 12	3/4"	3/4" – 14	- 12	34	32
23.0500.1616	- 16	1"	1" – 11	- 16	39	41

also available:

Balfit[®] Stainless Steel BSP Flat Face Male

(add an 'S' at the end of the part number; ex: 23.0500.0606 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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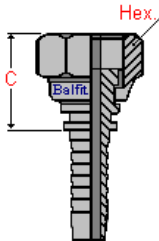
Balflex[®] – The European Technology



Balflex® Hydraulic Hose Fittings

Balflex® BSP Flat Face Female - 23.3212

carbon steel, BSP (British thread 60° cone with O-ring) flat face female fitting for crimping on high pressure hydraulic hoses



According to **BS 5200** Sealing detail according to **DIN 3852** type **A** (for sealing washer)

- Material :** carbon steel, zinc plated
- Ferrules :** Balflex® ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex® wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex® wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex® thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex® Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex® textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex® **Balwash Hoses**
- Balflex® **2 – MAX JACK / 3 – MAX**
- Balflex® **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
23.3212.0404	- 4	1/4"	1/4" – 19	- 4	15	19
23.3212.0406	- 4	1/4"	3/8" – 19	- 6	16	22
23.3212.0506	- 5	5/16"	3/8" – 19	- 6	16	22
23.3212.0606	- 6	3/8"	3/8" – 19	- 6	16	22
23.3212.0608	- 6	3/8"	1/2" – 14	- 8	16	27
23.3212.0808	- 8	1/2"	1/2" – 14	- 8	17	27
23.3212.0812	- 8	1/2"	3/4" – 14	- 12	23	32
23.3212.1012	- 10	5/8"	3/4" – 14	- 12	21	32
23.3212.1212	- 12	3/4"	3/4" – 14	- 12	21	32
23.3212.1616	- 16	1"	1" – 11	- 16	21	38

also available:

Balflex® Stainless Steel BSP Flat Face Female

(add an 'S' at the end of the part number; ex: 23.3212.0606 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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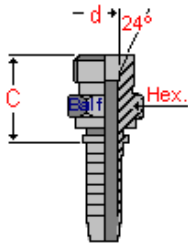
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] Metric Male CEL Light Type - 23.1000

carbon steel, light metric (metric thread, 24° cone) male fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3861** series **L**

- Material :** carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] **Balpac** compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**
 Balflex[®] **2 – MAX JACK / 3 – MAX**
 Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	d - tube	C Cut Off	Hex.
		inch			mm	mm	mm
23.1000.0312	- 3	3/16"	M12 x 1,5	- 12	6	18	14
23.1000.0412	- 4	1/4"	M12 x 1,5	- 12	6	20	14
23.1000.0414	- 4	1/4"	M14 x 1,5	- 14	8	20	14
23.1000.0416	- 4	1/4"	M16 x 1,5	- 16	10	23	17
23.1000.0418	- 4	1/4"	M18 x 1,5	- 18	12	23	19
23.1000.0514	- 5	5/16"	M14 x 1,5	- 14	8	21	14
23.1000.0516	- 5	5/16"	M16 x 1,5	- 16	10	24	17
23.1000.0518	- 5	5/16"	M18 x 1,5	- 18	12	24	19
23.1000.0616	- 6	3/8"	M16 x 1,5	- 16	10	24	17
23.1000.0618	- 6	3/8"	M18 x 1,5	- 18	12	24	19
23.1000.0622	- 6	3/8"	M22 X 1,5	- 22	15	27	24
23.1000.0822	- 8	1/2"	M22 X 1,5	- 22	15	25	24
23.1000.0826	- 8	1/2"	M26 X 1,5	- 26	18	26	27
23.1000.1026	- 10	5/8"	M26 X 1,5	- 26	18	27	27
23.1000.1030	- 10	5/8"	M30 x 2,0	- 30	22	29	32
23.1000.1230	- 12	3/4"	M30 X 2,0	- 30	22	30	32
23.1000.1636	- 16	1"	M36 X 2,0	- 36	28	31	41
23.1000.2045	- 20	1.1/4"	M45 X 2,0	- 45	35	43	46
23.1000.2452	- 24	1.1/2"	M52 X 2,0	- 52	42	45	55

also available:

Balfit[®] Stainless Steel Metric Male CEL Light Type

(add an 'S' at the end of the part number; ex: 23.1000.0822 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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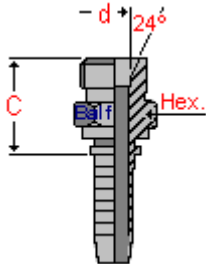
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] Metric Male CES Heavy Type - 23.1100

carbon steel, light metric (metric thread, 24° cone) male fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3861** series **S**

- Material :** carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**
 Balflex[®] **2 – MAX JACK / 3 – MAX**
 Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	d - tube	C	Hex.
		Ø			mm	Cut Off	
		inch			mm	mm	mm
23.1100.0316	- 3	3/16 "	M16 x 1,5	- 16	8	24	14
23.1100.0416	- 4	1/4 "	M16 x 1,5	- 16	8	26	17
23.1100.0418	- 4	1/4 "	M18 x 1,5	- 18	10	26	19
23.1100.0516	- 5	5/16 "	M16 x 1,5	- 16	8	27	17
23.1100.0518	- 5	5/16 "	M18 x 1,5	- 18	10	27	19
23.1100.0520	- 5	5/16 "	M20 x 1,5	- 20	12	28	22
23.1100.0618	- 6	3/8 "	M18 x 1,5	- 18	10	27	19
23.1100.0620	- 6	3/8 "	M20 x 1,5	- 20	12	29	22
23.1100.0622	- 6	3/8 "	M22 x 1,5	- 22	14	29	24
23.1100.0824	- 8	1/2 "	M24 x 1,5	- 24	16	32	27
23.1100.1030	- 10	5/8 "	M30 x 2,0	- 30	20	36	32
23.1100.1230	- 12	3/4 "	M30 x 2,0	- 30	20	38	32
23.1100.1236	- 12	3/4 "	M36 x 2,0	- 36	25	40	41
23.1100.1642	- 16	1 "	M42 x 2,0	- 42	30	41	41
23.1100.1642	- 16	1 "	M42 x 2,0	- 42	30	40	46
23.1100.2052	- 20	1.1/4 "	M52 x 2,0	- 52	38	49	55

also available:

Balfit[®] Stainless Steel Metric Male CES Heavy Type

(add an 'S' at the end of the part number; ex: 23.1100.0824 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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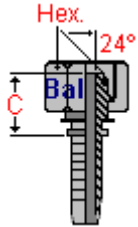
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] Metric Female DKO - L Light Type - 23.5013

carbon steel, light metric (metric thread, 24° cone with O'Ring) female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865** series **L**

- Material :** carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**
 Balflex[®] **2 – MAX JACK / 3 – MAX**
 Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	tube	C	Hex.
		∅				Cut Off	
		inch			mm	mm	mm
23.5013.0312	- 3	3/16"	M12 x 1,5	- 12	- 6	23	14
23.5013.0412	- 4	1/4"	M12 x 1,5	- 12	- 6	26	17
23.5013.0414	- 4	1/4"	M14 x 1,5	- 14	- 8	23	17
23.5013.0416	- 4	1/4"	M16 x 1,5	- 16	- 10	28	19
23.5013.0418	- 4	1/4"	M18 x 1,5	- 18	- 12	24	22
23.5013.0516	- 5	5/16"	M16 x 1,5	- 16	- 10	24	19
23.5013.0616	- 6	3/8"	M16 x 1,5	- 16	- 10	28	22
23.5013.0618	- 6	3/8"	M18 x 1,5	- 18	- 12	26	22
23.5013.0622	- 6	3/8"	M22 x 1,5	- 22	- 15	29	27
23.5013.0822	- 8	1/2"	M22 x 1,5	- 22	- 15	29	27
23.5013.0826	- 8	1/2"	M26 x 1,5	- 26	- 18	30	32
23.5013.1026	- 10	5/8"	M26 x 1,5	- 26	- 18	31	32
23.5013.1030	- 10	5/8"	M30 x 2,0	- 30	- 22	32	36
23.5013.1230	- 12	3/4"	M30 x 2,0	- 30	- 22	32	36
23.5013.1236	- 12	3/4"	M36 x 2,0	- 36	- 28	32	46
23.5013.1636	- 16	1"	M36 x 2,0	- 36	- 28	38	46
23.5013.2045	- 20	1.1/4"	M45 x 2,0	- 45	- 35	35	55
23.5013.2452	- 24	1.1/2"	M52 x 2,0	- 52	- 42	38	60

also available:

Balfit[®] Stainless Steel Metric Female DKO - L Light Type

(add an 'S' at the end of the part number; ex: 23.5013.1026 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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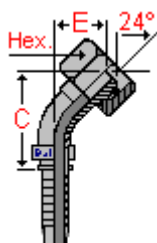
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] Metric 45° Swept Female DKO - L Light Type - 23.5043

solid-piece, carbon steel, light metric (metric thread, 24° cone with O'Ring) 45° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865** series **L**

- Material :** carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**
 Balflex[®] **2 – MAX JACK / 3 – MAX**
 Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	E	Hex.
		inch						
23.5043.0312	- 3	3/16"	M12 x 1,5	- 12	- 6	34	15	14
23.5043.0412	- 4	1/4"	M12 x 1,5	- 12	- 6	43	20	17
23.5043.0414	- 4	1/4"	M14 x 1,5	- 14	- 8	39	17	17
23.5043.0416	- 4	1/4"	M16 x 1,5	- 16	- 10	38	17	19
23.5043.0418	- 4	1/4"	M18 x 1,5	- 18	- 12	44	18	22
23.5043.0516	- 5	5/16"	M16 x 1,5	- 16	- 10	46	21	19
23.5043.0616	- 6	3/8"	M16 x 1,5	- 16	- 10	53	25	22
23.5043.0618	- 6	3/8"	M18 x 1,5	- 18	- 12	46	23	22
23.5043.0622	- 6	3/8"	M22 x 1,5	- 22	- 15	48	22	27
23.5043.0822	- 8	1/2"	M22 x 1,5	- 22	- 15	59	26	27
23.5043.1026	- 10	5/8"	M26 x 1,5	- 26	- 18	62	30	32
23.5043.1230	- 12	3/4"	M30 x 2,0	- 30	- 22	68	30	36
23.5043.1636	- 16	1"	M36 x 2,0	- 36	- 28	81	38	46
23.5043.2045	- 20	1.1/4"	M45 x 2,0	- 45	- 35	93	45	50
23.5043.2452	- 24	1.1/2"	M52 x 2,0	- 52	- 42	105	45	60

also available:

Balfit[®] Stainless Steel Metric 45° Swept Female DKO - L Light Type

(add an 'S' at the end of the part number; ex: 23.5043.1230 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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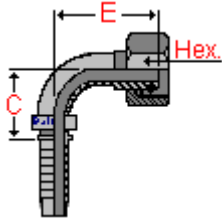
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] Metric 90° Swept Female DKO - L Light Type - 23.5093

solid-piece, carbon steel, light metric (metric thread, 24° cone with O'Ring) 90° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865** series **L**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex[®] **Balpac** compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex[®] **Balwash Hoses**
- Balflex[®] **2 – MAX JACK / 3 – MAX**
- Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	tube	C	E	Hex.
		inch				mm		
23.5093.0312	- 3	3/16"	M12 x 1,5	- 12	- 6	25	25	14
23.5093.0412	- 4	1/4"	M12 x 1,5	- 12	- 6	30	40	17
23.5093.0414	- 4	1/4"	M14 x 1,5	- 14	- 8	31	30	17
23.5093.0416	- 4	1/4"	M16 x 1,5	- 16	- 10	26	28	19
23.5093.0418	- 4	1/4"	M18 x 1,5	- 18	- 12	27	34	22
23.5093.0516	- 5	5/16"	M16 x 1,5	- 16	- 10	31	31	19
23.5093.0518	- 5	5/16"	M18 x 1,5	- 18	- 12	31	34	22
23.5093.0616	- 6	3/8"	M16 x 1,5	- 16	- 10	33	38	22
23.5093.0618	- 6	3/8"	M18 x 1,5	- 18	- 12	37	37	22
23.5093.0622	- 6	3/8"	M22 x 1,5	- 22	- 15	39	32	27
23.5093.0822	- 8	1/2"	M22 x 1,5	- 22	- 15	40	41	27
23.5093.1026	- 10	5/8"	M26 x 1,5	- 26	- 18	46	52	32
23.5093.1230	- 12	3/4"	M30 x 2,0	- 30	- 22	58	59	36
23.5093.1636	- 16	1"	M36 x 2,0	- 36	- 28	62	68	46
23.5093.2045	- 20	1.1/4"	M45 x 2,0	- 45	- 35	81	85	50
23.5093.2452	- 24	1.1/2"	M52 x 2,0	- 52	- 42	96	100	60

also available:

Balfit[®] Stainless Steel Metric 90° Swept Female DKO - L Light Type

(add an 'S' at the end of the part number; ex: 23.5093.1230 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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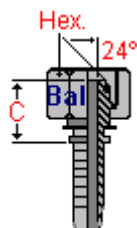
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] Metric Female DKO - S Heavy Type - 23.5113

carbon steel, heavy metric (metric thread, 24° cone with O'Ring) female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865 series S**

- Material :** carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**
 Balflex[®] **2 – MAX JACK / 3 – MAX**
 Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	Hex.
		inch			mm	mm	mm
23.5113.0316	- 3	3/16"	M16 x 1,5	- 16	8	23	19
23.5113.0414	- 4	1/4"	M14 x 1.5	- 14	6	25	17
23.5113.0416	- 4	1/4"	M16 x 1.5	- 16	8	24	19
23.5113.0418	- 4	1/4"	M18 x 1,5	- 18	10	25	22
23.5113.0520	- 5	5/16"	M20 x 1,5	- 20	12	26	24
23.5113.0620	- 6	3/8"	M20 x 1,5	- 20	12	26	24
23.5113.0622	- 6	3/8"	M22 x 1,5	- 22	14	26	27
23.5113.0824	- 8	1/2"	M24 x 1,5	- 24	16	27	30
23.5113.1030	- 10	5/8"	M30 x 2,0	- 30	20	34	36
23.5113.1230	- 12	3/4"	M30 x 2,0	- 30	20	34	36
23.5113.1236	- 12	3/4"	M36 x 2,0	- 36	25	31	46
23.5113.1636	- 16	1"	M36 x 2,0	- 36	25	31	46
23.5113.1642	- 16	1"	M42 x 2,0	- 42	30	36	50
23.5113.2052	- 20	1.1/4"	M52 x 2,0	- 52	38	36	60
23.5113.2452	- 24	1.1/2"	M52 x 2,0	- 52	38	36	60

also available:

Balfit[®] Stainless Steel Metric Female DKO - S Heavy Type

(add an 'S' at the end of the part number; ex: 23.5113.0824 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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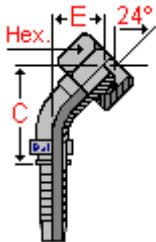
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] Metric 45° Swept Female DKO - S Heavy Type - 23.5143

solid-piece, carbon steel, heavy metric (metric thread, 24° cone with O'Ring) 45° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865** series **S**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
- Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
- Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
- Balflex[®] **Balpac** compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
- Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
- Balflex[®] **Balwash Hoses**
- Balflex[®] **2 – MAX JACK / 3 – MAX**
- Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose ø	thread	thread dash	tube	C	E	Hex.
		inch				Cut Off		
23.5143.0316	- 3	3/16"	M16 x 1,5	- 16	8	35	16	19
23.5143.0416	- 4	1/4"	M16 x 1,5	- 16	8	43	21	19
23.5143.0418	- 4	1/4"	M18 x 1,5	- 18	10	43	21	22
23.5143.0520	- 5	5/16"	M20 x 1,5	- 20	12	47	25	24
23.5143.0620	- 6	3/8"	M20 x 1,5	- 20	12	49	25	24
23.5143.0622	- 6	3/8"	M22 x 1,5	- 22	14	50	24	27
23.5143.0824	- 8	1/2"	M24 x 1,5	- 24	16	53	27	30
23.5143.1030	- 10	5/8"	M30 x 2,0	- 30	20	75	31	36
23.5143.1230	- 12	3/4"	M30 x 2,0	- 30	20	83	31	36
23.5143.1236	- 12	3/4"	M36 x 2,0	- 36	25	80	33	46
23.5143.1636	- 16	1"	M36 x 2,0	- 36	25	80	33	46
23.5143.1642	- 16	1"	M42 x 2,0	- 42	30	90	41	50
23.5143.2052	- 20	1.1/4"	M52 x 2,0	- 52	38	130	41	60

also available:

Balfit[®] Stainless Steel Metric 45° Swept Female DKO - S Heavy Type

(add an 'S' at the end of the part number; ex: 23.5143.0824 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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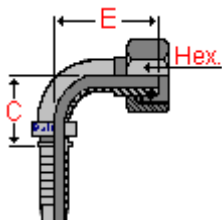
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] Metric 90° Swept Female DKO - S Heavy Type - 23.5193

solid-piece, carbon steel, heavy metric (metric thread, 24° cone with O'Ring) 90° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865** series **S**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**
 Balflex[®] **2 – MAX JACK / 3 – MAX**
 Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	E	Hex.
		inch			mm	mm	mm	mm
23.5193.0316	- 3	3/16"	M16 x 1,5	- 16	8	24	24	19
23.5193.0416	- 4	1/4"	M16 x 1,5	- 16	8	26	29	19
23.5193.0418	- 4	1/4"	M18 x 1,5	- 18	10	26	31	22
23.5193.0520	- 5	5/16"	M20 x 1,5	- 20	12	33	40	24
23.5193.0620	- 6	3/8"	M20 x 1,5	- 20	12	34	38	24
23.5193.0622	- 6	3/8"	M22 x 1,5	- 22	14	33	44	27
23.5193.0824	- 8	1/2"	M24 x 1,5	- 24	16	42	44	30
23.5193.1030	- 10	5/8"	M30 x 2,0	- 30	20	46	51	36
23.5193.1230	- 12	3/4"	M30 x 2,0	- 30	20	58	56	36
23.5193.1236	- 12	3/4"	M36 x 2,0	- 36	25	56	60	46
23.5193.1636	- 16	1"	M36 x 2,0	- 36	25	69	68	46
23.5193.1642	- 16	1"	M42 x 2,0	- 42	30	69	69	50
23.5193.2052	- 20	1.1/4"	M52 x 2,0	- 52	38	83	83	60

also available:

Balfit[®] Stainless Steel Metric 90° Swept Female DKO - S Heavy Type

(add an 'S' at the end of the part number; ex: 23.5193.0824 S)

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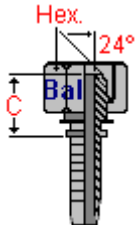
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] Metric Female DKL – 24° Seat - 23.5213

carbon steel, metric thread, 24° cone female fitting for crimping on high pressure hydraulic hoses



According to **DIN 20078** and **DIN 3868**

- Material :** carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN
Balflex[®] thermoplastic hydraulic hoses SAE 100R7 / SAE 100R8 / DIN EN 855
Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC
Balflex[®] textile braid hydraulic hoses SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE
Balflex[®] Balwash Hoses

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	Hex.
		inch			mm	mm	mm
23.5213.0414	- 4	1/4"	M14 x 1,5	- 14	- 8	19	17
23.5213.0416	- 4	1/4"	M16 x 1,5	- 16	- 10	19	19
23.5213.0516	- 5	5/16"	M16 x 1,5	- 16	- 10	19	19
23.5213.0518	- 5	5/16"	M18 x 1,5	- 18	- 12	21	22
23.5213.0618	- 6	3/8"	M18 x 1,5	- 18	- 12	23	22
23.5213.0622	- 6	3/8"	M22 x 1,5	- 22	- 15	22	27
23.5213.0822	- 8	1/2"	M22 x 1,5	- 22	- 15	22	27
23.5213.0826	- 8	1/2"	M26 x 1,5	- 26	- 18	24	32
23.5213.1026	- 10	5/8"	M26 x 1,5	- 26	- 18	24	32

also available:

Balfit[®] Stainless Steel Metric Female DKL

(add an 'S' at the end of the part number; ex: 23.5213.1026S)

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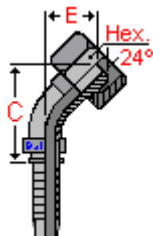
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] Metric 45° Swept Female DKL – 24° Seat - 23.5243

one piece, carbon steel, metric thread, 24° cone 45° swept female fitting for crimping on high pressure hydraulic hoses



According to **DIN 20078** and **DIN 3868**

- Material :** carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**

part number	hose dash	hose	thread	thread dash	tube	C Cut Off	Hex.
		∅					
		inch			mm	mm	mm
23.5243.0414	- 4	1/4"	M14 x 1,5	- 14	- 8	37	17
23.5243.0416	- 4	1/4"	M16 x 1,5	- 16	- 10	42	19
23.5243.0516	- 5	5/16"	M16 x 1,5	- 16	- 10	45	19
23.5243.0518	- 5	5/16"	M18 x 1,5	- 18	- 12	49	22
23.5243.0618	- 6	3/8"	M18 x 1,5	- 18	- 12	54	22
23.5243.0622	- 6	3/8"	M22 x 1,5	- 22	- 15	54	27
23.5243.0822	- 8	1/2"	M22 x 1,5	- 22	- 15	63	27
23.5243.0826	- 8	1/2"	M26 x 1,5	- 26	- 18	63	32
23.5243.1026	- 10	5/8"	M26 x 1,5	- 26	- 18	74	32

also available:

Balfit[®] Stainless Steel Metric 45° Swept Female DKLType

(add an 'S' at the end of the part number; ex: 23.5243.1026S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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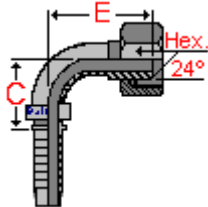
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] Metric 90° Swept Female DKL – 24° Seat - 23.5293

one piece, carbon steel, metric thread, 24° cone 90° swept female fitting for crimping on high pressure hydraulic hoses



According to **DIN 20078** and **DIN 3868**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN
Balflex[®] thermoplastic hydraulic hoses SAE 100R7 / SAE 100R8 / DIN EN 855
Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC
Balflex[®] textile braid hydraulic hoses SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE
Balflex[®] Balwash Hoses

part number	hose dash	hose	thread	thread dash	tube	C Cut Off	Hex.
		Ø					
		inch			mm	mm	mm
23.5293.0414	- 4	1/4"	M14 x 1,5	- 14	- 8	25	17
23.5293.0416	- 4	1/4"	M16 x 1,5	- 16	- 10	25	19
23.5293.0516	- 5	5/16"	M16 x 1,5	- 16	- 10	32	19
23.5293.0518	- 5	5/16"	M18 x 1,5	- 18	- 12	31	22
23.5293.0618	- 6	3/8"	M18 x 1,5	- 18	- 12	34	22
23.5293.0622	- 6	3/8"	M22 x 1,5	- 22	- 15	33	27
23.5293.0822	- 8	1/2"	M22 x 1,5	- 22	- 15	41	27
23.5293.0826	- 8	1/2"	M26 x 1,5	- 26	- 18	46	32
23.5293.1026	- 10	5/8"	M26 x 1,5	- 26	- 18	46	32

also available:

Balfit[®] Stainless Steel Metric 90° Swept Female DKL ype

(add an 'S' at the end of the part number; ex: 23.5293.1026S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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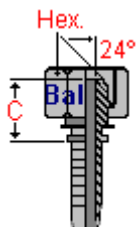
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] Metric Female DKM – 60° Seat - 23.5313

carbon steel, metric thread, 60° cone female fitting for crimping on high pressure hydraulic hoses



According to **DIN 20078** and **DIN 3868**

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107

Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**

Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] thermoplastic hydraulic hoses SAE 100R7 / SAE 100R8 / DIN EN 855

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

Balflex[®] textile braid hydraulic hoses SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE

Balflex[®] Balwash Hoses

part number	hose dash	hose	thread	thread dash	C	Hex.
		Ø				
		inch			mm	mm
23.5313.0414	- 4	1/4"	M14 x 1,5	- 14	19.5	19
23.5313.0416	- 4	1/4"	M16 x 1,5	- 16	19.5	19
23.5313.0514	- 5	5/16"	M14 x 1,5	- 14	19.5	22
23.5313.0516	- 5	5/16"	M16 x 1,5	- 16	20	22
23.5313.0618	- 6	3/8"	M18 x 1,5	- 18	21.5	24
23.5313.0818	- 8	1/2"	M18 x 1,5	- 18	22	24
23.5313.0820	- 8	1/2"	M20 x 1,5	- 20	23.5	27
23.5313.1024	- 10	5/8"	M24 x 1,5	- 24	26	30
23.5313.1027	- 10	5/8"	M27 x 1,5	- 27	26	32
23.5313.1230	- 12	3/4"	M30 x 1,5	- 30	26.5	36
23.5313.1639	- 16	1"	M39 x 2,0	- 39	29.5	46
23.5313.2045	- 20	1-1/4"	M45 x 2,0	- 45	31.5	55
23.5313.2452	- 24	1-1/2"	M52 x 2,0	- 52	33	60

also available:

Balfit[®] Stainless Steel Metric Female DKM

(add an 'S' at the end of the part number; ex: 23.5313.1027S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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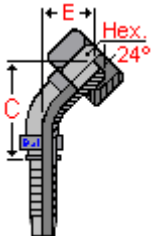
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] Metric 45° Swept Female DKM – 60° Seat - 23.5343

one piece, carbon steel, metric thread, 60° cone 45° swept female fitting for crimping on high pressure hydraulic hoses



According to **DIN 20078** and **DIN 3868**

- Material :** carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
23.5343.0414	- 4	1/4"	M14 x 1,5	- 14	42.2	19
23.5343.0416	- 4	1/4"	M16 x 1,5	- 16	45.5	19
23.5343.0514	- 5	5/16"	M14 x 1,5	- 14	43.7	22
23.5343.0516	- 5	5/16"	M16 x 1,5	- 16	44.8	22
23.5343.0618	- 6	3/8"	M18 x 1,5	- 18	50	24
23.5343.0818	- 8	1/2"	M18 x 1,5	- 18	50	24
23.5343.0820	- 8	1/2"	M20 x 1,5	- 20	58.3	27
23.5343.1024	- 10	5/8"	M24 x 1,5	- 24	60.8	30
23.5343.1027	- 10	5/8"	M27 x 1,5	- 27	69.8	32
23.5343.1230	- 12	3/4"	M30 x 1,5	- 30	78.4	36
23.5343.1639	- 16	1"	M39 x 2,0	- 39	87	46
23.5343.2045	- 20	1-1/4"	M45 x 2,0	- 45	99	55
23.5343.2452	- 24	1-1/2"	M52 x 2,0	- 52	114	60

also available:

Balfit[®] Stainless Steel Metric 45° Swept Female DKM Type

(add an 'S' at the end of the part number; ex: 23.5343.1027S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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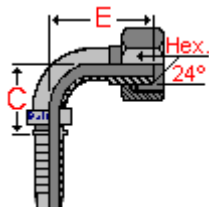
Balflex[®] – The European Technology



Balfit[®] Hydraulic Hose Fittings

Balfit[®] Metric 90° Swept Female DKM – 60° Seat - 23.5393

one piece, carbon steel, metric thread, 60° cone 90° swept female fitting for crimping on high pressure hydraulic hoses



According to **DIN 20078** and **DIN 3868**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :** Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
23.5393.0414	- 4	1/4"	M14 x 1,5	- 14	30	19
23.5393.0416	- 4	1/4"	M16 x 1,5	- 16	30	19
23.5393.0514	- 5	5/16"	M14 x 1,5	- 14	30	22
23.5393.0516	- 5	5/16"	M16 x 1,5	- 16	33	22
23.5393.0618	- 6	3/8"	M18 x 1,5	- 18	36.5	24
23.5393.0818	- 8	1/2"	M18 x 1,5	- 18	43.5	24
23.5393.0820	- 8	1/2"	M20 x 1,5	- 20	55	27
23.5393.1024	- 10	5/8"	M24 x 1,5	- 24	64	30
23.5393.1027	- 10	5/8"	M27 x 1,5	- 27	74	32
23.5393.1230	- 12	3/4"	M30 x 1,5	- 30	91.5	36
23.5393.1639	- 16	1"	M39 x 2,0	- 39	109	46
23.5393.2045	- 20	1-1/4"	M45 x 2,0	- 45	115	55
23.5393.2452	- 24	1-1/2"	M52 x 2,0	- 52	123	60

also available:

Balfit[®] Stainless Steel Metric 90° Swept Female DKM type

(add an 'S' at the end of the part number; ex: 23.5393.1026S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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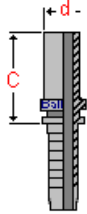
Balflex[®] – The European Technology

Balfit[®] Hydraulic Hose Fittings



Balfit[®] Metric Straight Standpipe - 23.6000

carbon steel, metric straight standpipe fitting for crimping on high pressure hydraulic hoses



According to **DIN 2353**

- Material :** carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**
 Balflex[®] **2 – MAX JACK / 3 – MAX**
 Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	standpipe Ø	standpipe dash	C Cut Off	d
		inch	mm			
23.6000.0306	- 3	3/16"	6	- 6	30	6
23.6000.0308	- 3	3/16"	8	- 8	29	8
23.6000.0406	- 4	1/4"	6	- 6	32	6
23.6000.0408	- 4	1/4"	8	- 8	30	8
23.6000.0410	- 4	1/4"	10	- 10	33	10
23.6000.0412	- 4	1/4"	12	- 12	30	12
23.6000.0510	- 5	5/16"	10	- 10	31	10
23.6000.0512	- 5	5/16"	12	- 12	33	12
23.6000.0610	- 6	3/8"	10	- 10	33	10
23.6000.0612	- 6	3/8"	12	- 12	32	12
23.6000.0614	- 6	3/8"	14	- 14	37	14
23.6000.0615	- 6	3/8"	15	- 15	32	15
23.6000.0815	- 8	1/2"	15	- 15	34	15
23.6000.0816	- 8	1/2"	16	- 16	39	16
23.6000.0818	- 8	1/2"	18	- 18	35	18
23.6000.1018	- 10	5/8"	18	- 18	35	18
23.6000.1020	- 10	5/8"	20	- 20	45	20
23.6000.1022	- 10	5/8"	22	- 22	33	22
23.6000.1220	- 12	3/4"	20	- 20	46	20
23.6000.1222	- 12	3/4"	22	- 22	38	22
23.6000.1225	- 12	3/4"	25	- 25	49	25
23.6000.1625	- 16	1"	25	- 25	51	25
23.6000.1628	- 16	1"	28	- 28	41	28
23.6000.1630	- 16	1"	30	- 30	54	30
23.6000.2035	- 20	1.1/4"	35	- 35	48	35
23.6000.2038	- 20	1.1/4"	38	- 38	62	38
23.6000.2438	- 24	1.1/2"	38	- 38	63	38
23.6000.2442	- 24	1.1/2"	42	- 42	50	42

also available:

Balfit[®] Stainless Steel Metric Straight Standpipe

(add an 'S' at the end of the part number; ex: 23.6000.0612 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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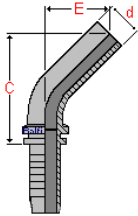
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] Metric 45° Swept Standpipe - 23.6040

solid-piece, carbon steel, metric 45° Swept standpipe fitting for crimping on high pressure hydraulic hoses



According to **DIN 2353**

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107

Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**

Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] thermoplastic hydraulic hoses SAE 100R7 / SAE 100R8 / DIN EN 855

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

Balflex[®] textile braid hydraulic hoses SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE

Balflex[®] Balwash Hoses

Balflex[®] 2 – MAX JACK / 3 – MAX

Balflex[®] SAE 100R12 / DIN EN 856 4SP on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	standpipe	standpipe	E	C Cut Off	d
		Ø	Ø	dash			
		inch	mm		mm	mm	mm
23.6040.0306	- 3	3/16"	6	- 6	26	38	6
23.6040.0308	- 3	3/16"	8	- 8	26	38	8
23.6040.0406	- 4	1/4"	6	- 6	30	47	6
23.6040.0408	- 4	1/4"	8	- 8	29	46	8
23.6040.0410	- 4	1/4"	10	- 10	30	47	10
23.6040.0412	- 4	1/4"	12	- 12	30	47	12
23.6040.0510	- 5	5/16"	10	- 10	34	58	10
23.6040.0512	- 5	5/16"	12	- 12	35	59	12
23.6040.0610	- 6	3/8"	10	- 10	34	60	10
23.6040.0612	- 6	3/8"	12	- 12	34	60	12
23.6040.0614	- 6	3/8"	14	- 14	37	63	14
23.6040.0615	- 6	3/8"	15	- 15	34	60	15
23.6040.0815	- 8	1/2"	15	- 15	39	71	15
23.6040.0816	- 8	1/2"	16	- 16	43	75	16
23.6040.0818	- 8	1/2"	18	- 18	32	61	18
23.6040.1018	- 10	5/8"	18	- 18	32	61	18
23.6040.1020	- 10	5/8"	20	- 20	34	62	20
23.6040.1022	- 10	5/8"	22	- 22	35	68	22
23.6040.1220	- 12	3/4"	20	- 20	35	68	20
23.6040.1222	- 12	3/4"	22	- 22	35	68	22
23.6040.1225	- 12	3/4"	25	- 25	39	75	25
23.6040.1625	- 16	1"	25	- 25	39	74	25
23.6040.1628	- 16	1"	28	- 28	38	73	28
23.6040.1630	- 16	1"	30	- 30	43	84	30
23.6040.2035	- 20	1.1/4"	35	- 35	45	93	35
23.6040.2038	- 20	1.1/4"	38	- 38	50	94	38
23.6040.2438	- 24	1.1/2"	38	- 38	50	94	38
23.6040.2442	- 24	1.1/2"	42	- 42	57	113	42

also available:

Balfit[®] Stainless Steel Metric 45° Swept Standpipe

(add an 'S' at the end of the part number; ex: 23.6040.0612 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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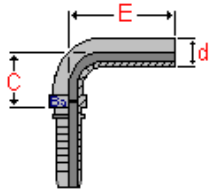
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] Metric 90° Swept Standpipe - 23.6090

solid-piece, carbon steel, metric 90° Swept standpipe fitting for crimping on high pressure hydraulic hoses



According to **DIN 2353**

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107

Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**

Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**

Balflex[®] **Balwash Hoses**

Balflex[®] **2 – MAX JACK / 3 – MAX**

Balflex[®] **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	standpipe \varnothing	standpipe dash	E	C Cut Off	d
		inch	mm		mm	mm	mm
23.6090.0306	- 3	3/16"	6	- 6	32	22	6
23.6090.0308	- 3	3/16"	8	- 8	32	22	8
23.6090.0406	- 4	1/4"	6	- 6	35	25	6
23.6090.0408	- 4	1/4"	8	- 8	34	25	8
23.6090.0410	- 4	1/4"	10	- 10	37	25	10
23.6090.0412	- 4	1/4"	12	- 12	37	25	12
23.6090.0510	- 5	5/16"	10	- 10	40	29	10
23.6090.0512	- 5	5/16"	12	- 12	42	29	12
23.6090.0610	- 6	3/8"	10	- 10	40	33	10
23.6090.0612	- 6	3/8"	12	- 12	40	33	12
23.6090.0614	- 6	3/8"	14	- 14	45	33	14
23.6090.0615	- 6	3/8"	15	- 15	41	33	15
23.6090.0815	- 8	1/2"	15	- 15	46	39	15
23.6090.0816	- 8	1/2"	16	- 16	51	39	16
23.6090.0818	- 8	1/2"	18	- 18	57	42	18
23.6090.1018	- 10	5/8"	18	- 18	57	42	18
23.6090.1020	- 10	5/8"	20	- 20	66	48	20
23.6090.1022	- 10	5/8"	22	- 22	71	53	22
23.6090.1220	- 12	3/4"	20	- 20	66	49	20
23.6090.1222	- 12	3/4"	22	- 22	71	54	22
23.6090.1225	- 12	3/4"	25	- 25	76	57	25
23.6090.1625	- 16	1"	25	- 25	76	58	25
23.6090.1628	- 16	1"	28	- 28	84	65	28
23.6090.1630	- 16	1"	30	- 30	89	66	30
23.6090.2035	- 20	1.1/4"	35	- 35	97	77	35
23.6090.2038	- 20	1.1/4"	38	- 38	106	81	38
23.6090.2438	- 24	1.1/2"	38	- 38	106	81	38
23.6090.2442	- 24	1.1/2"	42	- 42	118	92	42

also available:

Balfit[®] Stainless Steel Metric 90° Swept Standpipe

(add an 'S' at the end of the part number; ex: 23.6090.0612 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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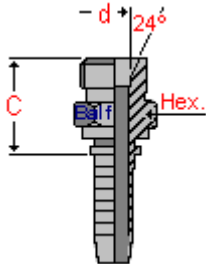
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] Metric French Male - 23.1200

carbon steel, metric (French metric thread, 24° cone) male fitting for crimping on high pressure hydraulic hoses



Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST

Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] thermoplastic hydraulic hoses SAE 100R7 / SAE 100R8 / DIN EN 855

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

Balflex[®] textile braid hydraulic hoses SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE

Balflex[®] Balwash Hoses

Balflex[®] 2 – MAX JACK / 3 – MAX

Balflex[®] SAE 100R12 / DIN EN 856 4SP on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	d - tube	C	Hex.
		∅			mm	mm	
		inch			mm	mm	mm
23.1200.0520	- 5	5/16"	M20 x 1,5	- 20	13,25	26	22
23.1200.0620	- 6	3/8"	M20 x 1,5	- 20	13,25	26	22
23.1200.0824	- 8	1/2"	M24 x 1,5	- 24	16,75	27	24
23.1200.1030	- 10	5/8"	M30 x 1,5	- 30	21,25	31	32
23.1200.1230	- 12	3/4"	M30 x 1,5	- 30	21,25	32	32
23.1200.1236	- 12	3/4"	M36 x 1,5	- 36	26,75	33	36
23.1200.1645	- 16	1"	M45 x 1,5	- 45	33,5	38	46

also available:

Balfit[®] Stainless Steel Metric French Male

(add an 'S' at the end of the part number; ex: 23.1200.0620 S)

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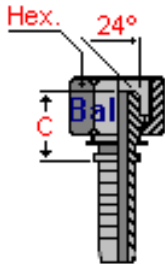
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Balfit[®] Hydraulic Hose Fittings



Balfit[®] Metric French Female - 23.5513

carbon steel, metric (French metric thread, 24° cone) female fitting for crimping on high pressure hydraulic hoses



Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST

Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] thermoplastic hydraulic hoses SAE 100R7 / SAE 100R8 / DIN EN 855

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

Balflex[®] textile braid hydraulic hoses SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE

Balflex[®] Balwash Hoses

Balflex[®] 2 – MAX JACK / 3 – MAX

Balflex[®] SAE 100R12 / DIN EN 856 4SP on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose	thread	thread dash	d - tube	C	Hex.
		∅			mm	Cut Off	
		inch			mm	mm	mm
23.5513.0520	- 5	5/16"	M20 x 1,5	- 20	13,25	20	24
23.5513.0620	- 6	3/8"	M20 x 1,5	- 20	13,25	20	24
23.5513.0824	- 8	1/2"	M24 x 1,5	- 24	16,75	27	30
23.5513.1030	- 10	5/8"	M30 x 1,5	- 30	21,25	26	36
23.5513.1230	- 12	3/4"	M30 x 1,5	- 30	21,25	26	36
23.5513.1236	- 12	3/4"	M36 x 1,5	- 36	26,75	37	46
23.5513.1645	- 16	1"	M45 x 1,5	- 45	33,5	30	55

also available:

Balfit[®] Stainless Steel Metric French Female

(add an 'S' at the end of the part number; ex: 23.5513.0620 S)

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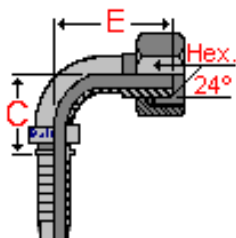
Balflex[®] – The European Technology



Balfit[®] Hydraulic Hose Fittings

Balfit[®] Metric 90° Swept Female - 23.5593

solid-piece, carbon steel, metric (French metric thread, 24° cone) 90° Swept female fitting for crimping on high pressure hydraulic hoses



Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST

Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] thermoplastic hydraulic hoses SAE 100R7 / SAE 100R8 / DIN EN 855

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

Balflex[®] textile braid hydraulic hoses SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE

Balflex[®] Balwash Hoses

Balflex[®] 2 – MAX JACK / 3 – MAX

Balflex[®] SAE 100R12 / DIN EN 856 4SP on 1.1/4", 1.1/2" and 2"

part number	hose dash	hose Ø	thread	thread dash	d - tube	C Cut Off	E	Hex.
		inch			mm	mm	mm	mm
23.5593.0520	- 5	5/16"	M20 x 1,5	- 20	13,25	29	35	24
23.5593.0620	- 6	3/8"	M20 x 1,5	- 20	13,25	34	32	24
23.5593.0824	- 8	1/2"	M24 x 1,5	- 24	16,75	42	37	30
23.5593.1030	- 10	5/8"	M30 x 1,5	- 30	21,25	46	46	36
23.5593.1236	- 12	3/4"	M36 x 1,5	- 36	26,75	58	51	46

also available:

Balfit[®] Stainless Steel Metric 90° Swept French Female

(add an 'S' at the end of the part number; ex: 23.5593.0620 S)

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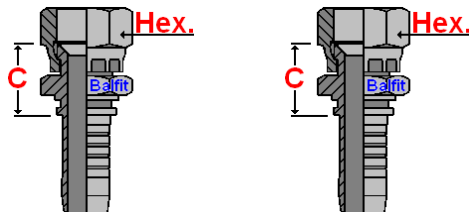
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Balfit® Hydraulic Hose Fittings



Balfit® JIS Japanese 60° Cone Metric and Whitworth Females 23.5911 and 23.3712

carbon steel JIS (60° cone) straight female fitting for crimping on high pressure hydraulic hoses



According to **JIS B 8363**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit® ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
- Hoses :**
 - Balflex® wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 - Balflex® wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 - Balflex® thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 - Balflex® **Balpac** compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 - Balflex® textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 - Balflex® **Balwash Hoses**
 - Balflex® **2 – MAX JACK / 3 – MAX**
 - Balflex® **SAE 100R12 / DIN EN 856 4SP** on 1.1/4", 1.1/2" and 2"

part number	part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
metric	whitworth		inch			mm	mm
23.5911.0414		- 4	1/4"	M14 x 1,5	-14	21	19
23.5911.0516		- 5	5/16"	M16 x 1,5	-16	24	17
23.5911.0618		- 6	3/8"	M18 x 1,5	-18	25	24
23.5911.0822		- 8	1/2"	M22 x 1,5	-22	26	27
23.5911.1024		- 10	5/8"	M24 x 1,5	-24	28	30
23.5911.1230		- 12	3/4"	M30 x 1,5	-30	28	36
23.5911.1633		- 16	1"	M33 x 1,5	-33	32	41
23.5911.2036		- 20	1.1/4"	M36 x 1,5	-36	33	36
23.5911.2442		- 24	1.1/2"	M42 x 1,5	-42	40	50
	23.3712.0404	- 4	1/4"	1/4" – 19	-4	21	19
	23.3712.0606	- 6	3/8"	3/8" – 19	-6	24	22
	23.3712.0808	- 8	1/2"	1/2" – 14	-8	27	27
	23.3712.1212	- 12	3/4"	3/4" – 14	-12	32	29
	23.3712.1616	- 16	1"	1" – 11	-16	33	38
	23.3712.2020	- 20	1.1/4"	1.1/4" – 11	-20	43	50
	23.3712.2424	- 24	1.1/2"	1.1/2" – 11	-24	38	55

also available:

Balfit® Stainless Steel JIS Japanese 60° Cone Metric and Whitworth Females

(add an 'S' at the end of the part number; ex: 23.5911.0618 S and 23.3712.0606 S)

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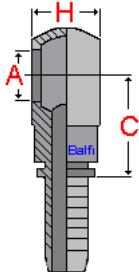
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] Metric Banjo - 23.6400

carbon steel, metric Banjo fitting for crimping on high pressure hydraulic hoses



According to **DIN 7642** type **B**

- Material :** carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex[®] thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex[®] textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex[®] **Balwash Hoses**
 Balflex[®] **2 – MAX JACK / 3 – MAX**

part number	hose dash	hose Ø	A bolt size		banjo dash	C Cut Off	H
			inch	mm			
23.6400.0310	- 3	3/16"	10	- 10		17	10
23.6400.0410	- 4	1/4"	10	- 10		17	10
23.6400.0412	- 4	1/4"	12	- 12		21	12
23.6400.0414	- 4	1/4"	14	- 14		21	14
23.6400.0416	- 4	1/4"	16	- 16		21	16
23.6400.0514	- 5	5/16"	14	- 14		21	14
23.6400.0516	- 5	5/16"	16	- 16		21	16
23.6400.0518	- 5	5/16"	18	- 18		25	18
23.6400.0614	- 6	3/8"	14	- 14		21	14
23.6400.0616	- 6	3/8"	16	- 16		21	16
23.6400.0618	- 6	3/8"	18	- 18		25	18
23.6400.0622	- 6	3/8"	22	- 22		29	22
23.6400.0816	- 8	1/2"	16	- 16		27	16
23.6400.0818	- 8	1/2"	18	- 18		25	18
23.6400.0822	- 8	1/2"	22	- 22		29	22
23.6400.1022	- 10	5/8"	22	- 22		30	22
23.6400.1026	- 10	5/8"	26	- 26		36	26
23.6400.1226	- 12	3/4"	26	- 26		36	26
23.6400.1630	- 16	1"	30	- 30		40	30

also available:

Balfit[®] Stainless Steel Metric Banjo

(add an 'S' at the end of the part number; ex: 23.6400.0616 S)

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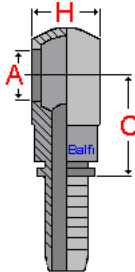
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Balfit® Hydraulic Hose Fittings



Balfit® BSP Banjo - 23.6500

carbon steel, BSP Banjo fitting for crimping on high pressure hydraulic hoses



According to **BS 5200**

- Material :** carbon steel, zinc plated
Ferrules : Balfit® ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107
Hoses : Balflex® wire braid hydraulic hoses **SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST**
 Balflex® wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
 Balflex® thermoplastic hydraulic hoses **SAE 100R7 / SAE 100R8 / DIN EN 855**
 Balflex® **Balpac** compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
 Balflex® textile braid hydraulic hoses **SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE**
 Balflex® **Balwash Hoses**
 Balflex® **2 – MAX JACK / 3 – MAX**

part number	hose dash	hose	A	banjo dash		C	H
		Ø	bolt size			Cut Off	
		inch	inch			mm	mm
23.6500.0302	- 3	3/16"	1/8"	- 2		18	10,2
23.6500.0304	- 3	3/16"	1/4"	- 4		19	14
23.6500.0404	- 4	1/4"	1/4"	- 4		19	14
23.6500.0406	- 4	1/4"	3/8"	- 6		22	17
23.6500.0504	- 5	5/16"	1/4"	- 4		20	14
23.6500.0506	- 5	5/16"	3/8"	- 6		22	17
23.6500.0604	- 6	3/8"	1/4"	- 4		20	14
23.6500.0606	- 6	3/8"	3/8"	- 6		22	17
23.6500.0608	- 6	3/8"	1/2"	- 8		28	23,6
23.6500.0806	- 8	1/2"	3/8"	- 6		26	17
23.6500.0808	- 8	1/2"	1/2"	- 8		28	23,6
23.6500.1010	- 10	5/8"	5/8"	- 10		28	27
23.6500.1212	- 12	3/4"	3/4"	- 12		32	29
23.6500.1216	- 12	3/4"	1"	- 16		40	38
23.6500.1616	- 16	1"	1"	- 16		41	38

also available:

Balfit® Stainless Steel BSP Banjo

(add an 'S' at the end of the part number; ex: 23.6500.0606 S)

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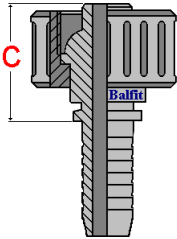
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Balfit[®] Hydraulic Hose Fittings

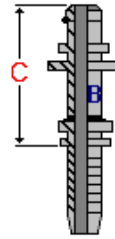
Balfit[®] Washing Machine Brass Fittings - 23.6213 and 23.6214

brass fitting for crimping on high pressure hydraulic hoses



23.6213

Brass Metric Female with Plastic Handle (Kaercher type)



23.6214

Standpipe with O'Ring (Kaercher type)

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.100, 20.200, 20.101, 20.201, 20.202, 20.204 and 20.107

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1A / SAE 100R2A / DIN EN 853 1ST / 2ST

Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] thermoplastic hydraulic hoses SAE 100R7 / SAE 100R8 / DIN EN 855

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

Balflex[®] textile braid hydraulic hoses SAE 100R6 / SAE 100R3 / DIN EN 854 1TE / 2TE / 3TE

Balflex[®] Balwash Hoses

part number	part number	hose dash	hose Ø	thread	thread dash	standpipe Ø	C Cut Off
female	standpipe		inch			mm	mm
23.6213.0422		- 4	1/4"	M22 x 1,5	- 22		31
23.6213.0522		- 5	5/16"	M22 x 1,5	- 22		31
23.6213.0622		- 6	3/8"	M22 x 1,5	- 22		31
	23.6214.04	- 4	1/4"			10	33
	23.6214.05	- 5	5/16"			10	34

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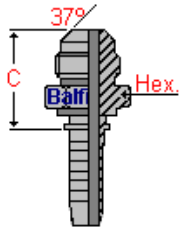
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Balfit® Hydraulic Spiral Hose Fittings



Balfit® Spiral JIC Male 37° - 24.2000

carbon steel, JIC American thread, 37° flared male for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

Material : carbon steel, zinc plated

Ferrules : Balfit® ferrules series 20.400 and 20.403

Hoses : Balflex® Balmaster hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**

may be also used on Balflex® Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose Ø	thread	thread dash		C Cut Off	Hex.
		inch				mm	mm
24.2000.0808	- 8	1/2"	3/4" - 16	- 8		32	22
24.2000.0810	- 8	1/2"	7/8" - 14	- 10		35	24
24.2000.1010	- 10	5/8"	7/8" - 14	- 10		35	24
24.2000.1012	- 10	5/8"	1-1/16" - 12	- 12		40	27
24.2000.1212	- 12	3/4"	1-1/16" - 12	- 12		40	27
24.2000.1214	- 12	3/4"	1-3/16" - 12	- 14		41	32
24.2000.1216	- 12	3/4"	1-5/16" - 12	- 16		42	36
24.2000.1616	- 16	1"	1-5/16" - 12	- 16		43	36
23.2000.2020 *	- 20	1-1/4"	1-5/8" - 12	- 20		49	46
23.2000.2424 *	- 24	1-1/2"	1-7/8" - 12	- 24		54	50
23.2000.3232 *	- 32	2"	2-1/2" - 12	- 32		72	65

* On 1.1/4", 1.1/2" and 2" apply 23.2000

also available:

Balfit® Stainless Steel Spiral JIC Male

(add an 'S' at the end of the part number; ex: 24.2000.0808 S)

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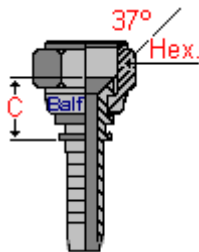
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Balfit[®] Hydraulic Spiral Hose Fittings

Balfit[®] Spiral JIC 37° Swivel Female - 24.4012

carbon steel, JIC American thread, 37° flared female for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**
(see option 24.4H12.- for back hexagon)

Material : carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.400 and 20.403
Hoses : Balflex[®] Balmaster hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**
may be also used on Balflex[®] Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	thread	thread dash		C	Hex.
		Ø				Cut Off	
		inch				mm	mm
24.4012.0808	- 8	1/2"	3/4" - 16	- 8		18	24
24.4012.0810	- 8	1/2"	7/8" - 14	- 10		19	27
24.4012.1010	- 10	5/8"	7/8" - 14	- 10		20	27
24.4012.1012	- 10	5/8"	1-1/16" - 12	- 12		21	32
24.4012.1212	- 12	3/4"	1-1/16" - 12	- 12		21	32
24.4012.1214	- 12	3/4"	1-3/16" - 12	- 14		21	36
24.4012.1216	- 12	3/4"	1-5/16" - 12	- 16		22	41
24.4012.1616	- 16	1"	1-5/16" - 12	- 16		23	41
23.4012.2020 *	- 20	1-1/4"	1-5/8" - 12	- 20		26	50
23.4012.2424 *	- 24	1-1/2"	1-7/8" - 12	- 24		27	55
23.4012.3232 *	- 32	2"	2-1/2" - 12	- 32		27	70

* On 1.1/4", 1.1/2" and 2" apply 23.4012

also available:

Balfit[®] Stainless Steel Spiral JIC Female

(add an 'S' at the end of the part number; ex: 24.4012.0808 S)

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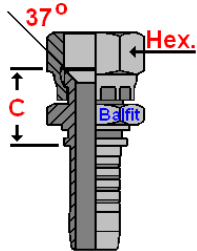
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Balfit® Hydraulic Spiral Hose Fittings



Balfit® Spiral JIC 37° Swivel Female with Back Hexagon 24.4H12

carbon steel, JIC American thread, 37° flared female for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit® ferrules series 20.400 and 20.403
- Hoses :** Balflex® **Balmaster** hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**
may be also used on Balflex® Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	thread	thread	C Cut Off	Hex.
		Ø				
		inch			mm	mm
24.4H12.0808	- 8	1/2"	3/4" – 16	- 8	25	24
24.4H12.0810	- 8	1/2"	7/8" – 14	- 10	29	27
24.4H12.1010	- 10	5/8"	7/8" – 14	- 10	29	27
24.4H12.1012	- 10	5/8"	1-1/16" – 12	- 12	32	32
24.4H12.1212	- 12	3/4"	1-1/16" – 12	- 12	31	32
24.4H12.1214	- 12	3/4"	1-3/16" – 12	- 14	33	36
24.4H12.1216	- 12	3/4"	1-5/16" – 12	- 16	34	41
24.4H12.1616	- 16	1"	1-5/16" – 12	- 16	35	41
23.4H12.2020 *	- 20	1-1/4"	1-5/8" – 12	- 20	39	50
23.4H12.2424 *	- 24	1-1/2"	1-7/8" – 12	- 24	41	55
23.4H12.3232 *	- 32	2"	2-1/2" – 12	- 32	43	70

* On 1.1/4", 1.1/2" and 2" apply 23.4H12

also available:

Balfit® Stainless Steel Spiral JIC Female with back hexagon

(add an 'S' at the end of the part number; ex: 24.4H12.0808 S)

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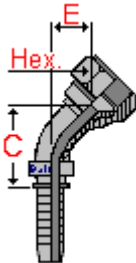
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Balfit[®] Hydraulic Spiral Hose Fittings

Balfit[®] Spiral JIC 37° - 45° Swept Swivel Female - 24.4042

solid-piece, carbon steel, JIC American thread, 37° flared 45° Swept for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.400 and 20.403

Hoses : Balflex[®] **Balmaster** hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**
may be also used on Balflex[®] Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
24.4042.0808	- 8	1/2"	3/4" - 16	- 8	65	22	24
24.4042.0810	- 8	1/2"	7/8" - 14	- 10	64	23	27
24.4042.1010	- 10	5/8"	7/8" - 14	- 10	68	24	27
24.4042.1012	- 10	5/8"	1-1/16" - 12	- 12	70	25	32
24.4042.1212	- 12	3/4"	1-1/16" - 12	- 12	84	28	32
24.4042.1214	- 12	3/4"	1-3/16" - 12	- 14	56	53	36
24.4042.1216	- 12	3/4"	1-5/16" - 12	- 16	88	30	41
24.4042.1616	- 16	1"	1-5/16" - 12	- 16	104	33	41
23.4042.2020 *	- 20	1-1/4"	1-5/8" - 12	- 20	104	45	50
23.4042.2424 *	- 24	1-1/2"	1-7/8" - 12	- 24	140	49	55
23.4042.3232 *	- 32	2"	2-1/2" - 12	- 32	170	68	70

* On 1.1/4", 1.1/2" and 2" apply 23.4042

also available:

Balfit[®] Stainless Steel Spiral 45° Swept JIC Female

(add an 'S' at the end of the part number; ex: 24.4042.0808 S)

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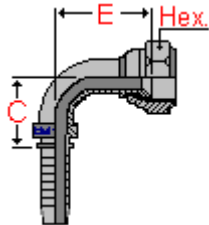
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Balfit® Hydraulic Spiral Hose Fittings



Balfit® Spiral JIC 37° - 90° Swept Swivel Female - 24.4092

solid-piece, carbon steel, JIC American thread, 37° flared 90° Swept for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

Material : carbon steel, zinc plated

Ferrules : Balfit® ferrules series 20.400 and 20.403

Hoses : Balflex® Balmaster hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**

may be also used on Balflex® Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	thread	thread	C	E	Hex.
		Ø		dash	Cut Off		
		inch			mm	mm	mm
24.4092.0808	- 8	1/2"	3/4" - 16	- 8	39	42	24
24.4092.0810	- 8	1/2"	7/8" - 14	- 10	44	47	27
24.4092.1010	- 10	5/8"	7/8" - 14	- 10	46	46	27
24.4092.1012	- 10	5/8"	1-1/16" - 12	- 12	45	49	32
24.4092.1212	- 12	3/4"	1-1/16" - 12	- 12	56	54	32
24.4092.1214	- 12	3/4"	1-3/16" - 12	- 14	58	58	36
24.4092.1216	- 12	3/4"	1-5/16" - 12	- 16	63	62	41
24.4092.1616	- 16	1"	1-5/16" - 12	- 16	73	71	41
23.4092.2020 *	- 20	1-1/4"	1-5/8" - 12	- 20	85	88	50
23.4092.2424 *	- 24	1-1/2"	1-7/8" - 12	- 24	99	101	55
23.4092.3232 *	- 32	2"	2-1/2" - 12	- 32	125	124	70

* On 1.1/4", 1.1/2" and 2" apply 23.4092

also available:

Balfit® Stainless Steel Spiral 90° Swept JIC Female

(add an 'S' at the end of the part number; ex: 24.4092.1212 S)

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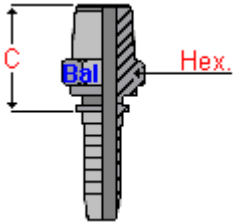
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Balfit[®] Hydraulic Spiral Hose Fittings

Balfit[®] Spiral NPT Male - 24.0400

carbon steel, NPT (dry-seal taper thread) male fitting for crimping on high pressure hydraulic hoses



According to **SAE J516 / SAE J514**

Material : carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.400 and 20.403
Hoses : Balflex[®] **Balmaster** hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**
 may be also used on Balflex[®] Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
24.0400.0808	- 8	1/2"	1/2" – 14	- 8	35	22
24.0400.1212	- 12	3/4"	3/4" – 14	- 12	39	27
24.0400.1616	- 16	1"	1" – 11.5	- 16	45	36
23.0400.2020 *	- 20	1-1/4"	1-1/4" – 11.5	- 20	49	46
23.0400.2424 *	- 24	1-1/2"	1-1/2" – 11.5	- 24	51	50
23.0400.3232 *	- 32	2"	2" – 11.5	- 32	55	65

* On 1.1/4", 1.1/2" and 2" apply 23.0400

also available:

Balfit[®] Stainless Steel Spiral NPT Male

(add an 'S' at the end of the part number; ex: 24.0400.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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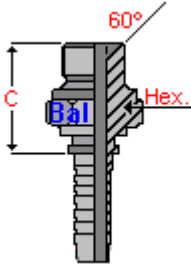
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Balfit® Hydraulic Spiral Hose Fittings



Balfit® Spiral BSP Male - 24.0100

carbon steel, BSP (British thread 60° cone) male fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated
Ferrules : Balfit® ferrules series 20.400 and 20.403
Hoses : Balflex® **Balmaster** hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**
 may be also used on Balflex® Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	thread	thread dash		C	Hex.
		∅				Cut Off	
		inch				mm	mm
24.0100.0808	- 8	1/2"	1/2" - 14	- 8		29	27
24.0100.1010	- 10	5/8"	5/8" - 14	- 10		32	30
24.0100.1212	- 12	3/4"	3/4" - 14	- 12		34	32
24.0100.1616	- 16	1"	1" - 11	- 16		39	41
23.0100.2020 *	- 20	1-1/4"	1-1/4" - 11	- 20		45	46
23.0100.2424 *	- 24	1-1/2"	1-1/2" - 11	- 24		45	55
23.0100.3232 *	- 32	2"	2" - 11	- 32		52	70

* On 1.1/4", 1.1/2" and 2" apply 23.0100

also available:

Balfit® Stainless Steel Spiral BSP Male

(add an 'S' at the end of the part number; ex: 24.0100.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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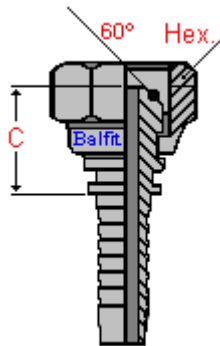
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Balfit[®] Hydraulic Spiral Hose Fittings

Balfit[®] Spiral BSP O'ring Swivel Female - 24.3112

carbon steel, BSP (British thread 60° cone with O-ring) female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.400 and 20.403

Hoses : Balflex[®] Balmaster hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**

may be also used on Balflex[®] Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	thread	thread	C Cut Off	Hex.
		Ø		dash		
		inch			mm	mm
24.3112.0808	- 8	1/2"	1/2" - 14	- 8	22	27
24.3112.1010	- 10	5/8"	5/8" - 14	- 10	23	30
24.3112.1212	- 12	3/4"	3/4" - 14	- 12	24	32
24.3112.1616	- 16	1"	1" - 11	- 16	27	41
23.3112.2020 *	- 20	1-1/4"	1-1/4" - 11	- 20	31	50
23.3112.2424 *	- 24	1-1/2"	1-1/2" - 11	- 24	32	55
23.3112.3232 *	- 32	2"	2" - 11	- 32	34	70

* On 1.1/4", 1.1/2" and 2" apply 23.3112

also available:

Balfit[®] Stainless Steel Spiral BSP O'ring Female

(add an 'S' at the end of the part number; ex: 24.3112.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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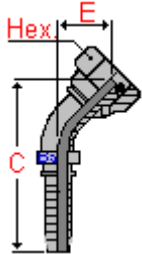
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Balfit® Hydraulic Spiral Hose Fittings



Balfit® Spiral BSP 45° Swept O'ring Swivel Female - 24.3142

solid-piece, carbon steel, BSP (British thread 60° cone with O-ring) 45° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated
Ferrules : Balfit® ferrules series 20.400 and 20.403
Hoses : Balflex® **Balmaster** hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**
 may be also used on Balflex® Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	thread	thread	C Cut Off	E	Hex.
		∅					
		inch			mm	mm	mm
24.3142.0808	- 8	1/2"	1/2" - 14	- 8	67	24	27
24.3142.1010	- 10	5/8"	5/8" - 14	- 10	68	23	30
24.3142.1212	- 12	3/4"	3/4" - 14	- 12	86	30	32
24.3142.1616	- 16	1"	1" - 11	- 16	107	35	41
23.3142.2020 *	- 20	1-1/4"	1-1/4" - 11	- 20	129	40	50
23.3142.2424 *	- 24	1-1/2"	1-1/2" - 11	- 24	221	47	55
23.3142.3232 *	- 32	2"	2" - 11	- 32	196	70	70

* On 1.1/4", 1.1/2" and 2" apply 23.3142

also available:

Balfit® Stainless Steel Spiral BSP 45° Swept O'ring Female

(add an 'S' at the end of the part number; ex: 24.3142.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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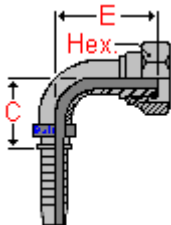
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] Spiral BSP 90° Swept O’ring Swivel Female - 24.3192

solid-piece, carbon steel, BSP (British thread 60° cone with O-ring) 90° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.400 and 20.403

Hoses : Balflex[®] Balmaster hoses SAE 100R9R / SAE 100R12 / DIN EN 856 4SP

may be also used on Balflex[®] Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	thread	thread	C Cut Off	E	Hex.
		Ø		dash			
		inch					
24.3192.0808	- 8	1/2"	1/2" – 14	- 8	45	44	27
24.3192.1010	- 10	5/8"	5/8" – 14	- 10	50	45	30
24.3192.1212	- 12	3/4"	3/4" – 14	- 12	56	57	32
24.3192.1616	- 16	1"	1" – 11	- 16	74	73	41
23.3192.2020 *	- 20	1-1/4"	1-1/4" – 11	- 20	90	92	50
23.3192.2424 *	- 24	1-1/2"	1-1/2" – 11	- 24	99	100	55
23.3192.3232 *	- 32	2"	2" – 11	- 32	129	130	70

* On 1.1/4", 1.1/2" and 2" apply 23.3192

also available:

Balfit[®] Stainless Steel Spiral BSP 90° Swept O’ring Female

(add an 'S' at the end of the part number; ex: 24.3192.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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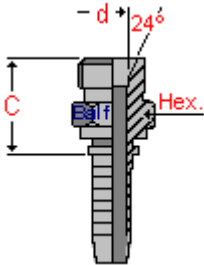
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Balfit® Hydraulic Spiral Hose Fittings



Balfit® Spiral Metric Male CES Heavy Type - 24.1100

carbon steel, heavy metric (metric thread, 24° cone) male fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3861** series **S**

- Material :** carbon steel, zinc plated
- Ferrules :** Balfit® ferrules series 20.400 and 20.403
- Hoses :** Balflex® **Balmaster** hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**
may be also used on Balflex® Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose Ø	thread	thread dash	d - tube	C Cut Off	Hex.
		inch			mm	mm	mm
24.1100.0824	- 8	1/2"	M24 x 1,5	- 24	16	32	27
24.1100.1030	- 10	5/8"	M30 x 2,0	- 30	20	36	32
24.1100.1236	- 12	3/4"	M36 x 2,0	- 36	25	40	41
24.1100.1642	- 16	1"	M42 x 2,0	- 42	30	40	46
23.1100.2052 *	- 20	1-1/4"	M52 x 2,0	- 52	38	49	55

* On 1.1/4" apply 23.1100.2052

also available:

Balfit® Stainless Steel Spiral Metric Male CES Heavy Type

(add an 'S' at the end of the part number; ex: 24.1100.0824 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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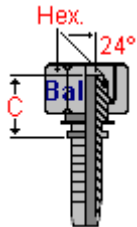
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Balfit[®] Hydraulic Hose Fittings

Balfit[®] Spiral Metric Female DKO - S Heavy Type - 24.5113

carbon steel, heavy metric (metric thread, 24° cone with O'Ring) female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865** series **S**

Material : carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.400 and 20.403
Hoses : Balflex[®] Balmaster hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**
may be also used on Balflex[®] Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	thread	thread dash	tube	C Cut Off	Hex.
		Ø					
		inch			mm	mm	mm
24.5113.0824	- 8	1/2"	M24 x 1,5	- 24	16	27	30
24.5113.1030	- 10	5/8"	M30 x 2,0	- 30	20	34	36
24.5113.1236	- 12	3/4"	M36 x 2,0	- 36	25	31	46
24.5113.1642	- 16	1"	M42 x 2,0	- 42	30	36	50
23.5113.2052 *	- 20	1-1/4"	M52 x 2,0	- 52	38	36	60

* On 1.1/4" apply 23.5113.2052

also available:

Balfit[®] Stainless Steel Spiral Metric Female DKO - S Heavy Type

(add an 'S' at the end of the part number; ex: 24.5113.0824 S)

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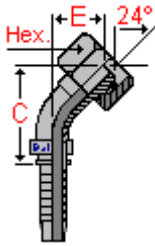
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Balfit® Hydraulic Spiral Hose Fittings



Balfit® Spiral Metric 45° Swept Female DKO - S Heavy Type - 24.5143

one piece, carbon steel, heavy metric (metric thread, 24° cone with O'Ring) 45° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865** series **S**

- Material** : carbon steel, zinc plated
- Ferrules** : **Balfit®** ferrules series 20.400 and 20.403
- Hoses** : **Balflex® Balmaster** hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**
may be also used on Balflex® Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	E	Hex.
		inch			mm	mm	mm	mm
24.5143.0824	- 8	1/2"	M24 x 1,5	- 24	16	53	27	30
24.5143.1030	- 10	5/8"	M30 x 2,0	- 30	20	75	31	36
24.5143.1236	- 12	3/4"	M36 x 2,0	- 36	25	80	33	46
24.5143.1642	- 16	1"	M42 x 2,0	- 42	30	90	41	50
23.5143.2052 *	- 20	1-1/4"	M52 x 2,0	- 52	38	130	41	60

* On 1.1/4" apply 23.5143.2052

also available:

Balfit® Stainless Steel Spiral Metric 45° Swept Female DKO - S Heavy Type

(add an 'S' at the end of the part number; ex: 24.5143.0824 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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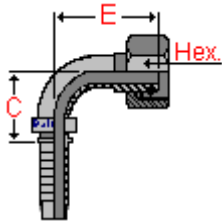
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Balfit[®] Hydraulic Spiral Hose Fittings

Balfit[®] Spiral Metric 90° Swept Female DKO - S Heavy Type - 24.5193

one piece, carbon steel, heavy metric (metric thread, 24° cone with O'Ring) 90° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865** series **S**

Material : carbon steel, zinc plated
Ferrules : Balfit[®] ferrules series 20.400 and 20.403
Hoses : Balflex[®] Balmaster hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**
 may be also used on Balflex[®] Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	E	Hex.
		inch				mm		
24.5193.0824	- 8	1/2"	M24 x 1,5	- 24	16	42	44	30
24.5193.1030	- 10	5/8"	M30 x 2,0	- 30	20	46	51	36
24.5193.1236	- 12	3/4"	M36 x 2,0	- 36	25	56	60	46
24.5193.1642	- 16	1"	M42 x 2,0	- 42	30	69	69	50
23.5193.2052 *	- 20	1-1/4"	M52 x 2,0	- 52	38	83	83	60

* On 1.1/4" apply 23.5193.2052

also available:

Balfit[®] Stainless Steel Spiral Metric 90° Swept Female DKO - S Heavy Type

(add an 'S' at the end of the part number; ex: 24.5193.0824 S)

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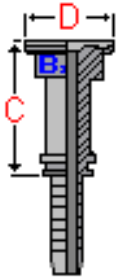
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Balfit® Hydraulic Spiral Hose Fittings



Balfit® Spiral Straight SAE 3000 PSI (code 61) Flange - 24.7013

solid-piece, carbon steel (code 61) flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

Ferrules : Balfit® ferrules series 20.400 and 20.403

Hoses : Balflex® **Balmaster** hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**

may be also used on Balflex® Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	Flange size	flange	D	C
		Ø	inch	dash	Ø Flange	
		inch	inch		mm	mm
24.7013.0808	- 8	1/2"	1/2"	- 8	30,2	46
24.7013.0812	- 8	1/2"	3/4"	- 12	38,1	47
24.7013.1010 (a)	- 10	5/8"	5/8"	- 10	34,0	50
24.7013.1012	- 10	5/8"	3/4"	- 12	38,1	50
24.7013.1212	- 12	3/4"	3/4"	- 12	38,1	48
24.7013.1216	- 12	3/4"	1"	- 16	44,5	51
24.7013.1616	- 16	1"	1"	- 16	44,5	52
24.7013.1620	- 16	1"	1.1/4"	- 20	50,8	57
23.7013.2020 *	- 20	1.1/4"	1.1/4"	- 20	50,8	58
23.7013.2024 *	- 20	1.1/4"	1.1/2"	- 24	60,3	68
23.7013.2424 *	- 24	1.1/2"	1.1/2"	- 24	60,3	68
23.7013.2432 *	- 24	1.1/2"	2"	- 32	71,4	71
23.7013.3232 *	- 32	2"	2"	- 32	71,4	71

(a) Japanese flange, size according to **JIS** standards; not included in **SAE J518**

* On 1.1/4", 1.1/2" and 2" apply 23.7013

also available:

Balfit® Stainless Steel Spiral Straight SAE 3000 PSI (code 61) Flange

(add an 'S' at the end of the part number; ex: 24.7013.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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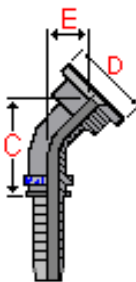
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Balfit[®] Hydraulic Spiral Hose Fittings

Balfit[®] Spiral 45° Swept SAE 3000 PSI (code 61) Flange 24.7043

solid-piece, carbon steel (code 61) 45° swept flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.400 and 20.403

Hoses : Balflex[®] Balmaster hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**

may be also used on Balflex[®] Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	Flange size	flange	D	C	E
		Ø	inch	dash	Ø Flange	Cut Off	mm
		inch	inch		mm	mm	mm
24.7043.0808	- 8	1/2"	1/2"	- 8	30,2	62	22
24.7043.0812	- 8	1/2"	3/4"	- 12	38,1	68	25
24.7043.1010 (a)	- 10	5/8"	5/8"	- 10	34,0	68	24
24.7043.1012	- 10	5/8"	3/4"	- 12	38,1	68	24
24.7043.1212	- 12	3/4"	3/4"	- 12	38,1	68	24
24.7043.1216	- 12	3/4"	1"	- 16	44,5	88	30
24.7043.1616	- 16	1"	1"	- 16	44,5	104	33
24.7043.1620	- 16	1"	1.1/4"	- 20	50,8	108	37
23.7043.2020 *	- 20	1.1/4"	1.1/4"	- 20	50,8	125	38
23.7043.2024 *	- 20	1.1/4"	1.1/2"	- 24	60,3	129	39
23.7043.2424 *	- 24	1.1/2"	1.1/2"	- 24	60,3	146	50
23.7043.2432 *	- 24	1.1/2"	2"	- 32	71,4	176	58
23.7043.3232 *	- 32	2"	2"	- 32	71,4	176	58

(a) Japanese flange, size according to **JIS** standards; not included in **SAE J518**

* On 1.1/4", 1.1/2" and 2" apply 23.7043

also available:

Balfit[®] Stainless Steel Spiral 45° Swept SAE 3000 PSI (code 61) Flange

(add an 'S' at the end of the part number; ex: 24.7043.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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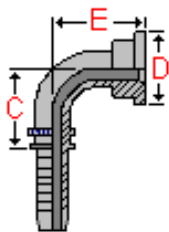
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Balfit® Hydraulic Spiral Hose Fittings



Balfit® Spiral 90° Swept SAE 3000 PSI (code 61) Flange 24.7093

solid-piece, carbon steel (code 61) 90° swept flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

Ferrules : Balfit® ferrules series 20.400 and 20.403

Hoses : Balflex® **Balmaster** hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**

may be also used on Balflex® Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	Flange size	flange	D	C	E
		Ø	inch	dash	Ø Flange	Cut Off	mm
		inch	inch		mm	mm	mm
24.7093.0808	- 8	1/2"	1/2"	- 8	30,2	39	39
24.7093.0812	- 8	1/2"	3/4"	- 12	38,1	39	44
24.7093.1010 (a)	- 10	5/8"	5/8"	- 10	34,0	53	52
24.7093.1012	- 10	5/8"	3/4"	- 12	38,1	53	53
24.7093.1212	- 12	3/4"	3/4"	- 12	38,1	56	53
24.7093.1216	- 12	3/4"	1"	- 16	44,5	58	58
24.7093.1616	- 16	1"	1"	- 16	44,5	70	65
24.7093.1620	- 16	1"	1.1/4"	- 20	50,8	70	70
23.7093.2020 *	- 20	1.1/4"	1.1/4"	- 20	50,8	85	81
23.7093.2024 *	- 20	1.1/4"	1.1/2"	- 24	60,3	85	85
23.7093.2424 *	- 24	1.1/2"	1.1/2"	- 24	60,3	99	92
23.7093.2432 *	- 24	1.1/2"	2"	- 32	71,4	99	92
23.7093.3232 *	- 32	2"	2"	- 32	71,4	123	121

(a) Japanese flange, size according to **JIS** standards; not included in **SAE J518**

* On 1.1/4", 1.1/2" and 2" apply 23.7093

also available:

Balfit® Stainless Steel Spiral 90° Swept SAE 3000 PSI (code 61) Flange

(add an 'S' at the end of the part number; ex: 24.7093.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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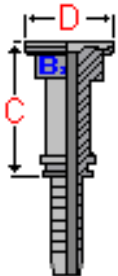
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Balfit[®] Hydraulic Spiral Hose Fittings

Balfit[®] Spiral Straight SAE 6000 PSI (code 62) Flange - 24.7016

solid-piece, carbon steel (code 62) flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.400 and 20.403

Hoses : Balflex[®] **Balmaster** hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**

may be also used on Balflex[®] Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	Flange size	flange	D	C
		Ø		dash	Ø Flange	
		inch	inch		mm	mm
24.7016.0808	- 8	1/2"	1/2"	- 8	31,7	46
24.7016.0812	- 8	1/2"	3/4"	- 12	41,3	53
24.7016.1012	- 10	5/8"	3/4"	- 12	41,3	51
24.7016.1212	- 12	3/4"	3/4"	- 12	41,3	54
24.7016.1216	- 12	3/4"	1"	- 16	47,6	60
24.7016.1616	- 16	1"	1"	- 16	47,6	61
24.7016.1620	- 16	1"	1.1/4"	- 20	54,0	68
23.7016.2020 *	- 20	1.1/4"	1.1/4"	- 20	54,0	70
23.7016.2024 *	- 20	1.1/4"	1.1/2"	- 24	63,5	76
23.7016.2424 *	- 24	1.1/2"	1.1/2"	- 24	63,5	76
23.7016.2432 *	- 24	1.1/2"	2"	- 32	79,4	85
23.7016.3232 *	- 32	2"	2"	- 32	79,4	85

* On 1.1/4", 1.1/2" and 2" apply 23.7016

also available:

Balfit[®] Stainless Steel Spiral Straight SAE 6000 PSI (code 62) Flange

(add an 'S' at the end of the part number; ex: 24.7016.1212 S)

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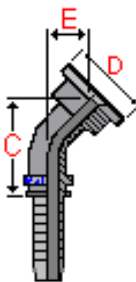
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Balfit[®] Hydraulic Spiral Hose Fittings



Balfit[®] Spiral 45° Swept SAE 6000 PSI (code 62) Flange 24.7046

solid-piece, carbon steel (code 62) 45° swept flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.400 and 20.403

Hoses : Balflex[®] Balmaster hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**

may be also used on Balflex[®] Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose Ø	Flange size	flange dash	D Ø Flange	C Cut Off	E
		inch	inch		mm	mm	mm
24.7046.0808	- 8	1/2"	1/2"	- 8	31,7	59	22
24.7046.0812	- 8	1/2"	3/4"	- 12	41,3	71	28
24.7046.1012	- 10	5/8"	3/4"	- 12	41,3	75	28
24.7046.1212	- 12	3/4"	3/4"	- 12	41,3	75	28
24.7046.1216	- 12	3/4"	1"	- 16	47,6	90	32
24.7046.1616	- 16	1"	1"	- 16	47,6	88	35
24.7046.1620	- 16	1"	1.1/4"	- 20	54,0	92	37
23.7046.2020 *	- 20	1.1/4"	1.1/4"	- 20	54,0	102	42
23.7046.2024 *	- 20	1.1/4"	1.1/2"	- 24	63,5	133	57
23.7046.2424 *	- 24	1.1/2"	1.1/2"	- 24	63,5	120	57
23.7046.2432 *	- 24	1.1/2"	2"	- 32	79,4	163	66
23.7046.3232 *	- 32	2"	2"	- 32	79,4	150	66

* On 1.1/4", 1.1/2" and 2" apply 23.7046

also available:

Balfit[®] Stainless Steel Spiral 45° Swept SAE 6000 PSI (code 62) Flange

(add an 'S' at the end of the part number; ex: 24.7046.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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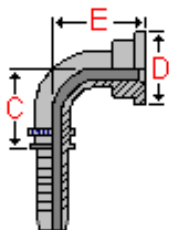
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Balfit[®] Hydraulic Spiral Hose Fittings

Balfit[®] Spiral 90° Swept SAE 6000 PSI (code 62) Flange 24.7096

solid-piece, carbon steel (code 62) 90° swept flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.400 and 20.403

Hoses : Balflex[®] **Balmaster** hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**

may be also used on Balflex[®] Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	Flange size	flange	D	C	E
		Ø		dash	Ø Flange	Cut Off	
		inch	inch		mm	mm	mm
24.7096.0808	- 8	1/2"	1/2"	- 8	31,7	42	44
24.7096.0812	- 8	1/2"	3/4"	- 12	41,3	39	48
24.7096.1012	- 10	5/8"	3/4"	- 12	41,3	55	57
24.7096.1212	- 12	3/4"	3/4"	- 12	41,3	57	57
24.7096.1216	- 12	3/4"	1"	- 16	47,6	57	63
24.7096.1616	- 16	1"	1"	- 16	47,6	70	70
24.7096.1620	- 16	1"	1.1/4"	- 20	54,0	76	77
23.7096.2020 *	- 20	1.1/4"	1.1/4"	- 20	54,0	85	88
23.7096.2024 *	- 20	1.1/4"	1.1/2"	- 24	63,5	85	96
23.7096.2424 *	- 24	1.1/2"	1.1/2"	- 24	63,5	99	104
23.7096.2432 *	- 24	1.1/2"	2"	- 32	79,4	99	116
23.7096.3232 *	- 32	2"	2"	- 32	79,4	125	136

* On 1.1/4", 1.1/2" and 2" apply 23.7016

also available:

Balfit[®] Stainless Steel Spiral 90° Swept SAE 6000 PSI (code 62) Flange

(add an 'S' at the end of the part number; ex: 24.7096.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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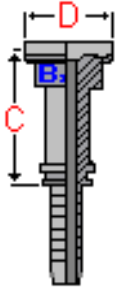
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Balfit® Hydraulic Spiral Hose Fittings



Balfit® Spiral Straight SUPERCAT Flange - 24.7116

solid-piece, carbon steel Supercat flanged fitting for crimping on high pressure hydraulic hoses



According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

Ferrules : Balfit® ferrules series 20.400 and 20.403

Hoses : Balflex® **Balmaster** hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**

may be also used on Balflex® Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	Flange size	flange	D Ø Flange		C
		Ø	inch	dash			Cut Off
		inch	inch		mm		mm
24.7116.1212	- 12	3/4"	3/4"	- 12	41,3		58
24.7116.1216	- 12	3/4"	1"	- 16	47,6		64
24.7116.1616	- 16	1"	1"	- 16	47,6		65
24.7116.1620	- 16	1"	1.1/4"	- 20	54,0		73
23.7116.2020 *	- 20	1.1/4"	1.1/4"	- 20	54,0		74
23.7116.2024 *	- 20	1.1/4"	1.1/2"	- 24	63,5		78
23.7116.2424 *	- 24	1.1/2"	1.1/2"	- 24	63,5		80
23.7116.2432 *	- 24	1.1/2"	2"	- 32	79,4		85
23.7116.3232 *	- 32	2"	2"	- 32	79,4		85

* On 1.1/4", 1.1/2" and 2" apply 23.7016

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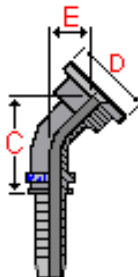
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Balfit[®] Hydraulic Spiral Hose Fittings

Balfit[®] Spiral 45° Swept SUPERCAT Flange - 24.7146

solid-piece, carbon steel Supercat 45° swept flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.400 and 20.403

Hoses : Balflex[®] Balmaster hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**

may be also used on Balflex[®] Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	Flange size	flange	D	C	E
		Ø		dash	Ø Flange	Cut Off	
		inch	inch		mm	mm	mm
24.7146.1212	- 12	3/4"	3/4"	- 12	41,3	88	32
24.7146.1216	- 12	3/4"	1"	- 16	47,6	93	37
24.7146.1616	- 16	1"	1"	- 16	47,6	115	42
24.7146.1620	- 16	1"	1.1/4"	- 20	54,0	115	46
23.7146.2020 *	- 20	1.1/4"	1.1/4"	- 20	54,0	131	53
23.7146.2024 *	- 20	1.1/4"	1.1/2"	- 24	63,5	136	57
23.7146.2424 *	- 24	1.1/2"	1.1/2"	- 24	63,5	154	58
23.7146.2432 *	- 24	1.1/2"	2"	- 32	79,4	163	66
23.7146.3232 *	- 32	2"	2"	- 32	79,4	198	71

* On 1.1/4", 1.1/2" and 2" apply 23.7146

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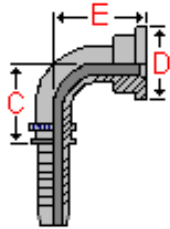
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Balfit[®] Hydraulic Spiral Hose Fittings



Balfit[®] Spiral 90° Swept SUPERCAT Flange - 24.7196

solid-piece, carbon steel Supercat 90° swept flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

Ferrules : Balfit[®] ferrules series 20.400 and 20.403

Hoses : Balflex[®] Balmaster hoses **SAE 100R9R / SAE 100R12 / DIN EN 856 4SP**

may be also used on Balflex[®] Powerspir DIN EN 856 4SH hoses with Balfit ferrules series 20.403

part number	hose dash	hose	Flange size	flange	D	C	E
		Ø	inch	dash	Ø Flange	Cut Off	
		inch	inch		mm	mm	mm
24.7196.1212	- 12	3/4"	3/4"	- 12	41,3	56	60
24.7196.1216	- 12	3/4"	1"	- 16	47,6	56	67
24.7196.1616	- 16	1"	1"	- 16	47,6	71	79
24.7196.1620	- 16	1"	1.1/4"	- 20	54,0	72	85
23.7196.2020 *	- 20	1.1/4"	1.1/4"	- 20	54,0	85	90
23.7196.2024 *	- 20	1.1/4"	1.1/2"	- 24	63,5	91	92
23.7196.2424 *	- 24	1.1/2"	1.1/2"	- 24	63,5	99	104
23.7196.2432 *	- 24	1.1/2"	2"	- 32	79,4	99	112
23.7196.3232 *	- 32	2"	2"	- 32	79,4	125	136

* On 1.1/4", 1.1/2" and 2" apply 23.7196

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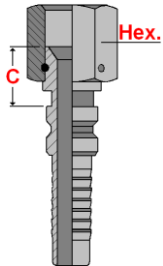
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Balfit[®] Hydraulic Powerspir Hose Fittings

Balfit[®] Powerspir / Interlock JIC 37° Swivel Female - 26.4012

INTERNAL and EXTERNAL SKIVING carbon steel, JIC American thread, 37° flared female for crimping on very high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

- Material :** carbon steel, zinc plated
(Ferrule 20.405) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
26.4012.1212	- 12	3/4"	1-1/16" - 12	- 12	21	32
26.4012.1616	- 16	1"	1-5/16" - 12	- 16	23	41
26.4012.2020	- 20	1-1/4"	1-5/8" - 12	- 20	26	50
26.4012.2424	- 24	1-1/2"	1-7/8" - 12	- 24	27	55
26.4012.3232	- 32	2"	2-1/2" - 12	- 32	27	70

also available:

Balfit[®] Stainless Steel Powerspir JIC Female

(add an 'S' at the end of the part number; ex: 26.4012.0808 S)

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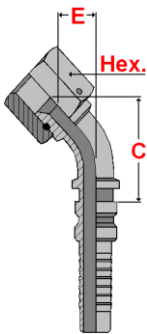
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Balfit® Hydraulic Powerspir Hose Fittings



Balfit® Powerspir / Interlock JIC 37° - 45° Swept Swivel Female 26.4042

INTERNAL and EXTERNAL SKIVING, solid-piece, carbon steel, JIC American thread, 37° flared (5/8"- 18 is 45° flared) 45° Swept for crimping on very high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

Material : carbon steel, zinc plated
(Ferrule 20.405) Hoses : **Balflex® Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : **Balflex® Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose	thread	thread dash	C	E	Hex.
		Ø			Cut Off		
		inch			mm	mm	mm
26.4042.1212	- 12	3/4"	1-1/16" - 12	- 12	84	28	32
26.4042.1616	- 16	1"	1-5/16" - 12	- 16	104	33	41
26.4042.2020	- 20	1-1/4"	1-5/8" - 12	- 20	104	45	50
26.4042.2424	- 24	1-1/2"	1-7/8" - 12	- 24	140	49	55
26.4042.3232	- 32	2"	2-1/2" - 12	- 32	170	68	70

also available:

Balfit® Stainless Steel Powerspir 45° Swept JIC Female
 (add an 'S' at the end of the part number; ex: 26.4042.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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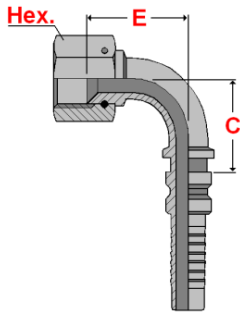
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Balfit[®] Hydraulic Powerspir Hose Fittings

Balfit[®] Powerspir / Interlock JIC 37° - 90° Swept Swivel Female 26.4092

INTERNAL and EXTERNAL SKIVING, solid-piece, carbon steel, JIC American thread, 37° flared (5/8"- 18 is 45° flared) 90° Swept for crimping on very high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

- Material :** carbon steel, zinc plated
(Ferrule 20.405) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
26.4092.1212	- 12	3/4"	1-1/16" - 12	- 12	56	54	32
26.4092.1616	- 16	1"	1-5/16" - 12	- 16	73	71	41
26.4092.2020	- 20	1-1/4"	1-5/8" - 12	- 20	85	88	50
26.4092.2424	- 24	1-1/2"	1-7/8" - 12	- 24	99	101	55
26.4092.3232	- 32	2"	2-1/2" - 12	- 32	125	124	70

also available:

Balfit[®] Stainless Steel Powerspir 90° Swept JIC Female
(add an 'S' at the end of the part number; ex: 26.4092.1212 S)

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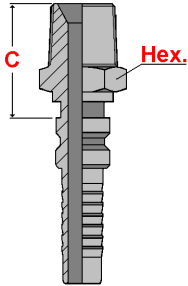
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Balfit[®] Hydraulic Powerspir Hose Fittings



Balfit[®] Powerspir / Interlock Spiral NPT Male - 26.0400

INTERNAL and EXTERNAL SKIVING carbon steel, NPT (dry-seal taper thread) male fitting for crimping on very high pressure hydraulic hoses



According to **SAE J516 / SAE J514**

- Material :** carbon steel, zinc plated
(Ferrule 20.405) Hoses : Balflex[®] Powerspir multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : Balflex[®] Powerspir multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose	thread	thread dash	C Cut Off	Hex.
		∅				
		inch			mm	mm
26.0400.1212	- 12	3/4"	3/4" - 14	- 12	39	27
26.0400.1616	- 16	1"	1" - 11.5	- 16	45	36
26.0400.2020	- 20	1-1/4"	1-1/4" - 11.5	- 20	49	46
26.0400.2424	- 24	1-1/2"	1-1/2" - 11.5	- 24	51	50
26.0400.3232	- 32	2"	2" - 11.5	- 32	55	65

also available:

Balfit[®] Stainless Steel Powerspir NPT Male

(add an 'S' at the end of the part number; ex: 26.0400.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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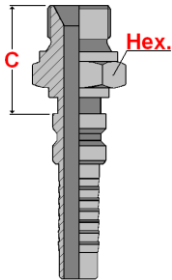
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Balfit[®] Hydraulic Powerspir Hose Fittings

Balfit[®] Powerspir / Interlock Spiral BSP Male - 26.0100

INTERNAL and EXTERNAL SKIVING carbon steel, BSP (British thread 60° cone) male fitting for crimping on very high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

- Material** : carbon steel, zinc plated
(Ferrule 20.405) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
26.0100.1212	- 12	3/4"	3/4" – 14	- 12	34	32
26.0100.1616	- 16	1"	1" – 11	- 16	39	41
26.0100.2020	- 20	1-1/4"	1-1/4" – 11	- 20	45	46
26.0100.2424	- 24	1-1/2"	1-1/2" – 11	- 24	45	55
26.0100.3232	- 32	2"	2" – 11	- 32	52	70

also available:

Balfit[®] Stainless Steel Powerspir BSP Male

(add an 'S' at the end of the part number; ex: 26.0100.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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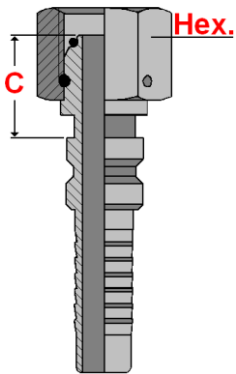
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Balfit® Hydraulic Powerspir Hose Fittings



Balfit® Powerspir / Interlock Spiral BSP O’ring Swivel Female 26.3112

INTERNAL and EXTERNAL SKIVING carbon steel, BSP (British thread 60° cone with O-ring) female fitting for crimping on very high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

- Material :** carbon steel, zinc plated
(Ferrule 20.405) Hoses : Balflex® Powerspir multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : Balflex® Powerspir multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
26.3112.1212	- 12	3/4"	3/4" – 14	- 12	24	32
26.3112.1616	- 16	1"	1" – 11	- 16	27	41
26.3112.2020	- 20	1-1/4"	1-1/4" – 11	- 20	31	50
26.3112.2424	- 24	1-1/2"	1-1/2" – 11	- 24	32	55
26.3112.3232	- 32	2"	2" – 11	- 32	34	70

also available:

Balfit® Stainless Steel Powerspir BSP O’ring Female

(add an 'S' at the end of the part number; ex: 26.3112.1616 S)

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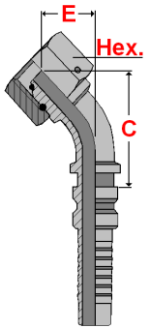
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Balfit[®] Hydraulic Powerspir Hose Fittings

Balfit[®] Powerspir / Interlock Spiral BSP 45° Swept O'ring Swivel Female - 26.3142

INTERNAL and EXTERNAL SKIVING solid-piece, carbon steel, BSP (British thread 60° cone with O-ring) 45° swept female fitting for crimping on very high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

- Material** : carbon steel, zinc plated
(Ferrule 20.405) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
26.3142.1212	- 12	3/4"	3/4" - 14	- 12	86	30	32
26.3142.1616	- 16	1"	1" - 11	- 16	107	35	41
26.3142.2020	- 20	1-1/4"	1-1/4" - 11	- 20	129	40	50
26.3142.2424	- 24	1-1/2"	1-1/2" - 11	- 24	221	47	55
26.3142.3232	- 32	2"	2" - 11	- 32	196	70	70

also available:

Balfit[®] Stainless Steel Powerspir BSP 45° Swept O'ring Female

(add an 'S' at the end of the part number; ex: 26.3142.2020 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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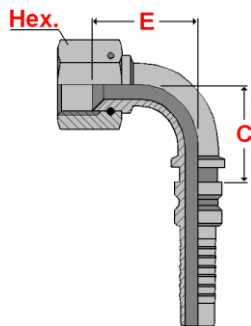
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Balfit® Hydraulic Powerspir Hose Fittings



Balfit® Powerspir / Interlock Spiral BSP 90° Swept O’ring Swivel Female - 26.3192

INTERNAL and EXTERNAL SKIVING solid-piece, carbon steel, BSP (British thread 60° cone with O-ring) 90° swept female fitting for crimping on very high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

- Material** : carbon steel, zinc plated
(Ferrule 20.405) Hoses : **Balflex® Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : **Balflex® Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
26.3192.1212	- 12	3/4"	3/4" – 14	- 12	56	57	32
26.3192.1616	- 16	1"	1" – 11	- 16	74	73	41
26.3192.2020	- 20	1-1/4"	1-1/4" – 11	- 20	90	92	50
26.3192.2424	- 24	1-1/2"	1-1/2" – 11	- 24	99	100	55
26.3192.3232	- 32	2"	2" – 11	- 32	129	130	70

also available:

Balfit® Stainless Steel Powerspir BSP 90° Swept O’ring Female

(add an 'S' at the end of the part number; ex: 26.3192.2424 S)

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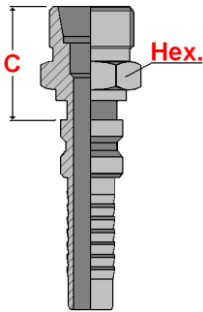
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Balfit[®] Hydraulic Powerspir Hose Fittings

Balfit[®] Powerspir / Interlock Spiral Metric Male CES Heavy Type 26.1100

INTERNAL and EXTERNAL SKIVING carbon steel, heavy metric (metric thread, 24° cone) male fitting for crimping on very high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3861** series **S**

Material : carbon steel, zinc plated
(Ferrule 20.405) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose Ø	thread	thread dash	d - tube	C Cut Off	Hex.
		inch			mm	mm	mm
26.1100.1236	- 12	3/4"	M36 x 2,0	- 36	25	40	41
26.1100.1642	- 16	1"	M42 x 2,0	- 42	30	40	46
26.1100.2052	- 20	1-1/4"	M52 x 2,0	- 52	38	49	55

also available:

Balfit[®] Stainless Steel Powerspir Metric Male CES Heavy Type

(add an 'S' at the end of the part number; ex: 26.1100.2052 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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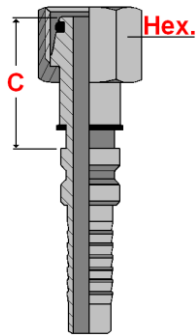
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Balfit® Hydraulic Powerspir Hose Fittings



Balfit® Powerspir / Interlock Spiral Metric Female DKO - S Heavy Type - 26.5113

INTERNAL and EXTERNAL SKIVING carbon steel, heavy metric (metric thread, 24° cone with O'Ring) female fitting for crimping on very high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865** series **S**

Material : carbon steel, zinc plated
(Ferrule 20.405) Hoses : **Balflex® Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : **Balflex® Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	Hex.
		inch			mm	mm	mm
26.5113.0824	- 8	1/2"	M24 x 1,5	- 24	16	27	30
26.5113.1030	- 10	5/8"	M30 x 2,0	- 30	20	34	36
26.5113.1236	- 12	3/4"	M36 x 2,0	- 36	25	31	46
26.5113.1642	- 16	1"	M42 x 2,0	- 42	30	36	50
26.5113.2052	- 20	1-1/4"	M52 x 2,0	- 52	38	36	60

also available:

Balfit® Stainless Steel Powerspir Metric Female DKO - S Heavy Type

(add an 'S' at the end of the part number; ex: 26.5113.1236 S)

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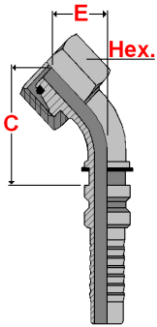
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Balfit[®] Hydraulic Powerspir Hose Fittings

Balfit[®] Powerspir / Interlock Spiral Metric 45° Swept Female DKO - S Heavy Type - 26.5143

INTERNAL and EXTERNAL SKIVING one piece, carbon steel, heavy metric (metric thread, 24° cone with O'Ring) 45° swept female fitting for crimping on very high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865** series **S**

- Material** : carbon steel, zinc plated
(Ferrule 20.405) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"), **SAE 100R13 Hose** (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose Ø	thread	thread dash	tube	C	E	Hex.
		inch				Cut Off		
26.5143.1236	- 12	3/4"	M36 x 2,0	- 36	25	80	33	46
26.5143.1642	- 16	1"	M42 x 2,0	- 42	30	90	41	50
26.5143.2052	- 20	1-1/4"	M52 x 2,0	- 52	38	130	41	60

also available:

Balfit[®] Stainless Steel Powerspir Metric 45° Swept Female DKO - S Heavy Type
 (add an 'S' at the end of the part number; ex: 26.5143.1642 S)

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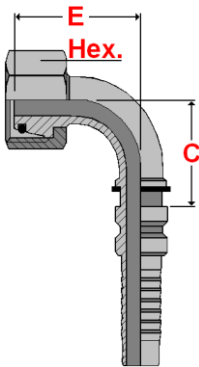
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Balfit® Hydraulic Powerspir Hose Fittings



Balfit® Powerspir / Interlock Spiral Metric 90° Swept Female DKO - S Heavy Type - 26.5193

INTERNAL and EXTERNAL SKIVING one piece, carbon steel, heavy metric (metric thread, 24° cone with O'Ring) 90° swept female fitting for crimping on very high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865** series **S**

- Material :** carbon steel, zinc plated
(Ferrule 20.405) Hoses : Balflex® Powerspir multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : Balflex® Powerspir multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	E	Hex.
		inch			mm	mm	mm	mm
26.5193.1236	- 12	3/4"	M36 x 2,0	- 36	25	56	60	46
26.5193.1642	- 16	1"	M42 x 2,0	- 42	30	69	69	50
26.5193.2052	- 20	1-1/4"	M52 x 2,0	- 52	38	83	83	60

also available:

Balfit® Stainless Steel Powerspir Metric 90° Swept Female DKO - S Heavy Type
 (add an 'S' at the end of the part number; ex: 26.5193.1236 S)

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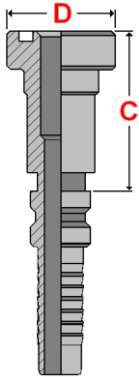
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Balflex® Hydraulic Powerspir Hose Fittings

Balflex® Powerspir / Interlock Spiral Straight SAE 6000 PSI (code 62) Flange - 26.7016

INTERNAL and EXTERNAL SKIVING solid-piece, carbon steel (code 62) flanged fitting for crimping on very high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

- Material :** carbon steel, zinc plated
(Ferrule 20.405) Hoses : Balflex® Powerspir multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : Balflex® Powerspir multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose	Flange size	flange	D	C
		Ø	inch	dash	Ø Flange	
		inch	inch		mm	mm
26.7016.1212	- 12	3/4"	3/4"	- 12	41,3	54
26.7016.1216	- 12	3/4"	1"	- 16	47,6	60
26.7016.1616	- 16	1"	1"	- 16	47,6	61
26.7016.1620	- 16	1"	1.1/4"	- 20	54,0	68
26.7016.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	70
26.7016.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	76
26.7016.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	76
26.7016.2432	- 24	1.1/2"	2"	- 32	79,4	85
26.7016.3232	- 32	2"	2"	- 32	79,4	85

also available:

Balflex® Stainless Steel Powerspir Straight SAE 6000 PSI (code 62) Flange

(add an 'S' at the end of the part number; ex: 26.7016.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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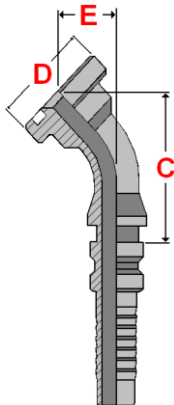
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Balfit® Hydraulic Powerspir Hose Fittings



Balfit® Powerspir / Interlock Spiral 45° Swept SAE 6000 PSI (code 62) Flange - 26.7046

INTERNAL and EXTERNAL SKIVING solid-piece, carbon steel (code 62) 45° swept flanged fitting for crimping on very high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated
(Ferrule 20.405) Hoses : **Balflex® Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : **Balflex® Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose	Flange size	flange	D	C	E
		Ø		dash	Ø Flange	Cut Off	
		inch	inch		mm	mm	mm
26.7046.1212	- 12	3/4"	3/4"	- 12	41,3	75	28
26.7046.1216	- 12	3/4"	1"	- 16	47,6	90	32
26.7046.1616	- 16	1"	1"	- 16	47,6	88	35
26.7046.1620	- 16	1"	1.1/4"	- 20	54,0	92	37
26.7046.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	102	42
26.7046.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	133	57
26.7046.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	120	57
26.7046.2432	- 24	1.1/2"	2"	- 32	79,4	163	66
26.7046.3232	- 32	2"	2"	- 32	79,4	150	66

also available:

Balfit® Stainless Steel Powerspir 45° Swept SAE 6000 PSI (code 62) Flange

(add an 'S' at the end of the part number; ex: 26.7046.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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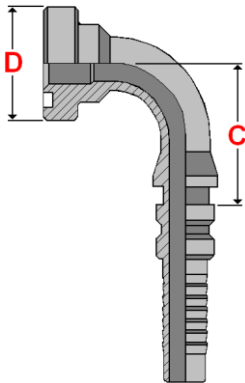
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Balfit[®] Hydraulic Powerspir Hose Fittings

Balfit[®] Powerspir / Interlock Spiral 90° Swept SAE 6000 PSI (code 62) Flange - 26.7096

INTERNAL and EXTERNAL SKIVING solid-piece, carbon steel (code 62) 90° swept flanged fitting for crimping on very high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

- Material :** carbon steel, zinc plated
(Ferrule 20.405) Hoses : Balflex[®] Powerspir multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : Balflex[®] Powerspir multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose	Flange size	flange	D	C	E
		Ø	inch	dash	Ø Flange	Cut Off	
		inch	inch		mm	mm	mm
26.7096.1212	- 12	3/4"	3/4"	- 12	41,3	57	57
26.7096.1216	- 12	3/4"	1"	- 16	47,6	57	63
26.7096.1616	- 16	1"	1"	- 16	47,6	70	70
26.7096.1620	- 16	1"	1.1/4"	- 20	54,0	76	77
26.7096.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	85	88
26.7096.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	85	96
26.7096.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	99	104
26.7096.2432	- 24	1.1/2"	2"	- 32	79,4	99	116
26.7096.3232	- 32	2"	2"	- 32	79,4	125	136

also available:

Balfit[®] Stainless Steel Powerspir 90° Swept SAE 6000 PSI (code 62) Flange

(add an 'S' at the end of the part number; ex: 26.7096.1212 S)

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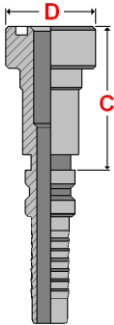
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Balfit[®] Hydraulic Powerspir Hose Fittings



Balfit[®] Powerspir / Interlock Spiral Straight SUPERCAT Flange 26.7116

INTERNAL and EXTERNAL SKIVING, carbon steel Supercat flanged fitting for crimping on very high pressure hydraulic hoses



According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated
(Ferrule 20.405) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")

(Ferrule 20.406) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose	Flange size	flange	D Ø Flange	C Cut Off
		Ø	inch	dash		
		inch	inch		mm	mm
26.7116.1212	- 12	3/4"	3/4"	- 12	41,3	58
26.7116.1216	- 12	3/4"	1"	- 16	47,6	64
26.7116.1616	- 16	1"	1"	- 16	47,6	65
26.7116.1620	- 16	1"	1.1/4"	- 20	54,0	73
26.7116.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	74
26.7116.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	78
26.7116.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	80
26.7116.2432	- 24	1.1/2"	2"	- 32	79,4	85
26.7116.3232	- 32	2"	2"	- 32	79,4	85

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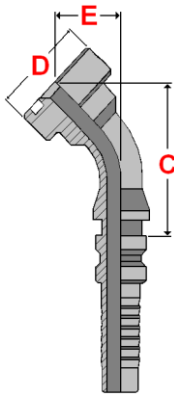
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Balfit[®] Hydraulic Powerspir Hose Fittings

Balfit[®] Powerspir / Interlock Spiral 45° Swept SUPERCAT Flange - 26.7146

INTERNAL and EXTERNAL SKIVING solid-piece, carbon steel Supercat 45° swept flanged fitting for crimping on very high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

- Material :** carbon steel, zinc plated
(Ferrule 20.405) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : **Balflex[®] Powerspir** multi-spiral hoses **DIN EN 856 4SH Hose** (3/4" and 1"),
SAE 100R13 Hose (all sizes) and **SAE 100R15 Hose** (all sizes)

part number	hose dash	hose	Flange size	flange dash	D	C	E
		Ø			Ø Flange	Cut Off	
		inch	inch		mm	mm	mm
26.7146.1212	- 12	3/4"	3/4"	- 12	41,3	88	32
26.7146.1216	- 12	3/4"	1"	- 16	47,6	93	37
26.7146.1616	- 16	1"	1"	- 16	47,6	115	42
26.7146.1620	- 16	1"	1.1/4"	- 20	54,0	115	46
26.7146.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	131	53
26.7146.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	136	57
26.7146.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	154	58
26.7146.2432	- 24	1.1/2"	2"	- 32	79,4	163	66
26.7146.3232	- 32	2"	2"	- 32	79,4	198	71

Construction characteristics and dimensions may be changed at any time without prior notice.

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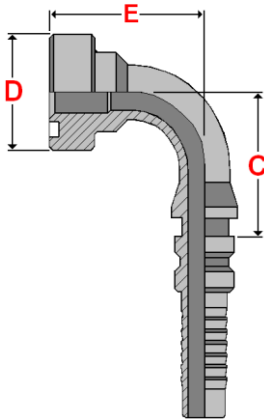
Balflex[®] – The European Technology

Balfit[®] Hydraulic Powerspir Hose Fittings



Balfit[®] Powerspir / Interlock Spiral 90° Swept SUPERCAT Flange - 26.7196

INTERNAL and EXTERNAL SKIVING solid-piece, carbon steel Supercat 90° swept flanged fitting for crimping on very high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

- Material :** carbon steel, zinc plated
(Ferrule 20.405) Hoses : Balflex[®] Powerspir multi-spiral hoses DIN EN 856 4SH Hose (1.1/4", 1.1/2" and 2")
(Ferrule 20.406) Hoses : Balflex[®] Powerspir multi-spiral hoses DIN EN 856 4SH Hose (3/4" and 1"), SAE 100R13 Hose (all sizes) and SAE 100R15 Hose (all sizes)

part number	hose dash	hose	Flange size	flange	D Ø Flange	C Cut Off	E
		Ø	inch	dash			
		inch	inch				
26.7196.1212	- 12	3/4"	3/4"	- 12	41,3	56	60
26.7196.1216	- 12	3/4"	1"	- 16	47,6	56	67
26.7196.1616	- 16	1"	1"	- 16	47,6	71	79
26.7196.1620	- 16	1"	1.1/4"	- 20	54,0	72	85
26.7196.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	85	90
26.7196.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	91	92
26.7196.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	99	104
26.7196.2432	- 24	1.1/2"	2"	- 32	79,4	99	112
26.7196.3232	- 32	2"	2"	- 32	79,4	125	136

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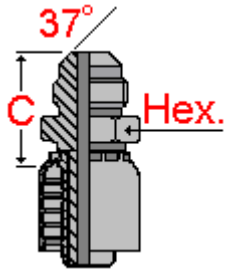
Balflex[®] – The European Technology



Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] JIC Male 37° - P23.2000 – one piece - non-skive

one-piece carbon steel, JIC American thread, 37° flared (5/8"- 18 is 45° flared) male for crimping on high pressure hydraulic hoses



According to ISO 12151-5 and ISO 8434-2 According to SAE J516 / SAE J514

Material : one-piece one-piece carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose	thread	thread	C	Hex.
		Ø		dash		
		inch			mm	mm
P23.2000.0304	- 3	3/16"	7/16" – 20	- 4	26	12
P23.2000.0404	- 4	1/4"	7/16" – 20	- 4	26	12
P23.2000.0405	- 4	1/4"	1/2" – 20	- 5	26	14
P23.2000.0406	- 4	1/4"	9/16" – 18	- 6	26	14
P23.2000.0507	- 5	5/16"	5/8" – 18	- 7	26	17
P23.2000.0505	- 5	5/16"	1/2" – 20	- 5	27	14
P23.2000.0506	- 5	5/16"	9/16" – 18	- 6	27	17
P23.2000.0606	- 6	3/8"	9/16" – 18	- 6	27	17
P23.2000.0607	- 6	3/8"	5/8" – 18	- 7	28	17
P23.2000.0608	- 6	3/8"	3/4" – 16	- 8	31	22
P23.2000.0610	- 6	3/8"	7/8" – 14	- 10	34	24
P23.2000.0808	- 8	1/2"	3/4" – 16	- 8	32	22
P23.2000.0810	- 8	1/2"	7/8" – 14	- 10	35	24
P23.2000.0812	- 8	1/2"	1.1/16" – 12	- 12	39	27
P23.2000.1010	- 10	5/8"	7/8" – 14	- 10	35	24
P23.2000.1012	- 10	5/8"	1.1/16" – 12	- 12	40	27
P23.2000.1212	- 12	3/4"	1.1/16" – 12	- 12	40	27
P23.2000.1214	- 12	3/4"	1.3/16" – 12	- 14	41	32
P23.2000.1216	- 12	3/4"	1.5/16" – 12	- 16	42	36
P23.2000.1616	- 16	1"	1.5/16" – 12	- 16	43	36
P23.2000.1620	- 16	1"	1.5/8" – 12	- 20	47	46
P23.2000.2020	- 20	1.1/4"	1.5/8" – 12	- 20	49	46
P23.2000.2024	- 20	1.1/4"	1.7/8" – 12	- 24	54	50
P23.2000.2424	- 24	1.1/2"	1.7/8" – 12	- 24	54	50
P23.2000.3232	- 32	2"	2.1/2" – 12	- 32	72	65

also available:

Balfit[®] Multicrimp Stainless Steel JIC Male

(add an 'S' at the end of the part number; ex: P23.2000.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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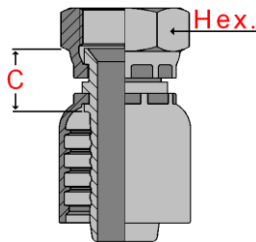
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Balfit® Multicrimp Hydraulic Hose Fitting



Balfit® JIC 37° Swivel Female – P23.4012 one piece - non-skive

one-piece carbon steel, JIC American thread, 37° flared (5/8" - 18 is 45° flared) female for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**
(see option P23.4H12.- for back hexagon)

Material : one-piece one-piece carbon steel, zinc plated

Hoses : **Balflex®** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
Balflex® 2 – MAX JACK

Balflex® Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	thread	thread dash	C Cut Off	Hex.
		Ø				
		inch			mm	mm
P23.4012.0304	- 3	3/16"	7/16" – 20	- 4	13	15
P23.4012.0404	- 4	1/4"	7/16" – 20	- 4	15	15
P23.4012.0405	- 4	1/4"	1/2" – 20	- 5	15	17
P23.4012.0406	- 4	1/4"	9/16" – 18	- 6	15	19
P23.4012.0506	- 5	5/16"	9/16" – 18	- 6	16	19
P23.4012.0606	- 6	3/8"	9/16" – 18	- 6	16	19
P23.4012.0607	- 6	3/8"	5/8" – 18	- 7	15	22
P23.4012.0608	- 6	3/8"	3/4" – 16	- 8	18	24
P23.4012.0610	- 6	3/8"	7/8" – 14	- 10	19	27
P23.4012.0808	- 8	1/2"	3/4" – 16	- 8	18	24
P23.4012.0810	- 8	1/2"	7/8" – 14	- 10	19	27
P23.4012.0812	- 8	1/2"	1.1/16" – 12	- 12	21	32
P23.4012.1010	- 10	5/8"	7/8" – 14	- 10	20	27
P23.4012.1012	- 10	5/8"	1.1/16" – 12	- 12	21	32
P23.4012.1212	- 12	3/4"	1.1/16" – 12	- 12	21	32
P23.4012.1214	- 12	3/4"	1.3/16" – 12	- 14	21	36
P23.4012.1216	- 12	3/4"	1.5/16" – 12	- 16	22	41
P23.4012.1616	- 16	1"	1.5/16" – 12	- 16	23	41
P23.4012.1620	- 16	1"	1.5/8" – 12	- 20	25	50
P23.4012.2020	- 20	1.1/4"	1.5/8" – 12	- 20	26	50
P23.4012.2424	- 24	1.1/2"	1.7/8" – 12	- 24	27	55
P23.4012.3232	- 32	2"	2.1/2" – 12	- 32	27	70

also available:

Balfit® Multicrimp Stainless Steel JIC Female

(add an 'S' at the end of the part number; ex: P23.4012.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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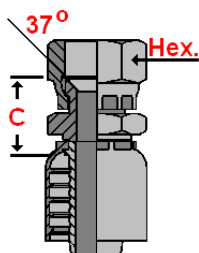
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Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] JIC 37° Swivel Female with Back Hexagon – P23.4H12 one piece - non-skive

one-piece carbon steel, JIC American thread, 37° flared (5/8" - 18 is 45° flared) female for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

Material : one-piece one-piece carbon steel, zinc plated

Hoses : **Balflex[®]** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	thread	thread dash	C	Hex.
		Ø				
		inch			mm	mm
P23.4H12.0404	- 4	1/4"	7/16" – 20	- 4	20	15
P23.4H12.0405	- 4	1/4"	1/2" – 20	- 5	21	17
P23.4H12.0406	- 4	1/4"	9/16" – 18	- 6	21	19
P23.4H12.0506	- 5	5/16"	9/16" – 18	- 6	21	19
P23.4H12.0606	- 6	3/8"	9/16" – 18	- 6	21	19
P23.4H12.0607	- 6	3/8"	5/8" – 18	- 7	26	22
P23.4H12.0608	- 6	3/8"	3/4" – 16	- 8	25	24
P23.4H12.0610	- 6	3/8"	7/8" – 14	- 10	27	27
P23.4H12.0808	- 8	1/2"	3/4" – 16	- 8	25	24
P23.4H12.0810	- 8	1/2"	7/8" – 14	- 10	29	27
P23.4H12.0812	- 8	1/2"	1.1/16" – 12	- 12	30	32
P23.4H12.1010	- 10	5/8"	7/8" – 14	- 10	29	27
P23.4H12.1012	- 10	5/8"	1.1/16" – 12	- 12	32	32
P23.4H12.1212	- 12	3/4"	1.1/16" – 12	- 12	31	32
P23.4H12.1214	- 12	3/4"	1.3/16" – 12	- 14	33	36
P23.4H12.1216	- 12	3/4"	1.5/16" – 12	- 16	34	41
P23.4H12.1616	- 16	1"	1.5/16" – 12	- 16	35	41
P23.4H12.2020	- 20	1.1/4"	1.5/8" – 12	- 20	39	50
P23.4H12.2424	- 24	1.1/2"	1.7/8" – 12	- 24	41	55
P23.4H12.3232	- 32	2"	2.1/2" – 12	- 32	43	70

also available:

Balfit[®] Multicrimp Stainless Steel JIC Female with back hexagon

(add an 'S' at the end of the part number; ex: P23.4H12.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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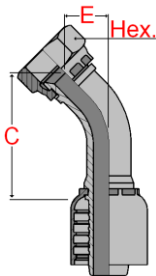
Balflex[®] – The European Technology

Balfit® Multicrimp Hydraulic Hose Fitting



Balfit® JIC 37° - 45° Swept Swivel Female – P23.4042 one piece - non-skive

one-piece carbon steel, JIC American thread, 37° flared (5/8" - 18 is 45° flared) 45° Swept for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

- Material :** one-piece one-piece carbon steel, zinc plated
Hoses : **Balflex®** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
Balflex® 2 – MAX JACK
Balflex® Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose Ø	thread	thread dash	C	E	Hex.
		inch			mm	mm	mm
P23.4042.0304	- 3	3/16"	7/16" – 20	- 4	22	15	15
P23.4042.0404	- 4	1/4"	7/16" – 20	- 4	38	14	15
P23.4042.0405	- 4	1/4"	1/2" – 20	- 5	40	14	17
P23.4042.0406	- 4	1/4"	9/16" – 18	- 6	38	17	19
P23.4042.0506	- 5	5/16"	9/16" – 18	- 6	47	18	19
P23.4042.0606	- 6	3/8"	9/16" – 18	- 6	51	17	19
P23.4042.0607	- 6	3/8"	5/8" – 18	- 7	51	17	22
P23.4042.0608	- 6	3/8"	3/4" – 16	- 8	52	17	24
P23.4042.0610	- 6	3/8"	7/8" – 14	- 10	54	21	27
P23.4042.0808	- 8	1/2"	3/4" – 16	- 8	65	22	24
P23.4042.0810	- 8	1/2"	7/8" – 14	- 10	64	23	27
P23.4042.0812	- 8	1/2"	1.1/16" – 12	- 12	68	25	32
P23.4042.1010	- 10	5/8"	7/8" – 14	- 10	68	24	27
P23.4042.1012	- 10	5/8"	1.1/16" – 12	- 12	70	25	32
P23.4042.1212	- 12	3/4"	1.1/16" – 12	- 12	84	28	32
P23.4042.1214	- 12	3/4"	1.3/16" – 12	- 14	86	30	36
P23.4042.1216	- 12	3/4"	1.5/16" – 12	- 16	88	30	41
P23.4042.1616	- 16	1"	1.5/16" – 12	- 16	104	33	41
P23.4042.2020	- 20	1.1/4"	1.5/8" – 12	- 20	104	45	50
P23.4042.2424	- 24	1.1/2"	1.7/8" – 12	- 24	140	49	55
P23.4042.3232	- 32	2"	2.1/2" – 12	- 32	170	68	70

also available:

Balfit® Multicrimp Stainless Steel 45° Swept JIC Female

(add an 'S' at the end of the part number; ex: P23.4042.0404 S)

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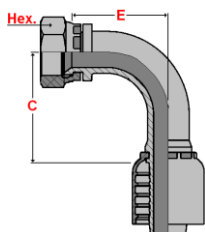
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Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] JIC 37° - 90° Swept Swivel Female – P23.4092 one piece - non-skive

one-piece carbon steel, JIC American thread, 37° flared (5/8"- 18 is 45° flared) 90° Swept for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

Material : one-piece one-piece carbon steel, zinc plated
Hoses : **Balflex[®]** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
Balflex[®] 2 – MAX JACK
Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	thread	thread	C	E	Hex.
		Ø		dash	Cut Off		
		inch			mm	mm	mm
P23.4092.0304	- 3	3/16"	7/16" – 20	- 4	22	22	15
P23.4092.0404	- 4	1/4"	7/16" – 20	- 4	25	26	15
P23.4092.0405	- 4	1/4"	1/2" – 20	- 5	25	26	17
P23.4092.0406	- 4	1/4"	9/16" – 18	- 6	25	27	19
P23.4092.0506	- 5	5/16"	9/16" – 18	- 6	33	31	19
P23.4092.0606	- 6	3/8"	9/16" – 18	- 6	36	33	19
P23.4092.0607	- 6	3/8"	5/8" – 18	- 7	33	32	22
P23.4092.0608	- 6	3/8"	3/4" – 16	- 8	37	39	24
P23.4092.0610	- 6	3/8"	7/8" – 14	- 10	34	39	27
P23.4092.0808	- 8	1/2"	3/4" – 16	- 8	39	42	24
P23.4092.0810	- 8	1/2"	7/8" – 14	- 10	44	47	27
P23.4092.0812	- 8	1/2"	1.1/16" – 12	- 12	40	45	32
P23.4092.1010	- 10	5/8"	7/8" – 14	- 10	46	46	27
P23.4092.1012	- 10	5/8"	1.1/16" – 12	- 12	45	49	32
P23.4092.1212	- 12	3/4"	1.1/16" – 12	- 12	56	54	32
P23.4092.1214	- 12	3/4"	1.3/16" – 12	- 14	58	58	36
P23.4092.1216	- 12	3/4"	1.5/16" – 12	- 16	63	62	41
P23.4092.1616	- 16	1"	1.5/16" – 12	- 16	73	71	41
P23.4092.2020	- 20	1.1/4"	1.5/8" – 12	- 20	85	88	50
P23.4092.2424	- 24	1.1/2"	1.7/8" – 12	- 24	99	101	55
P23.4092.3232	- 32	2"	2.1/2" – 12	- 32	125	124	70

also available:

Balfit[®] Multicrimp Stainless Steel 90° Swept JIC Female

(add an 'S' at the end of the part number; ex: P23.4092.0606 S)

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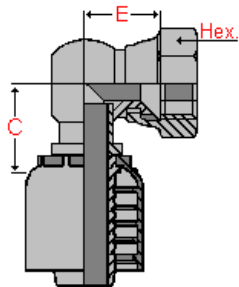
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Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] JIC 37° Compact Elbow Female – P23.4082 one piece - non-skive

one-piece carbon steel, JIC (American thread, 37° flared) 90° compact elbow swivel female for crimping on high pressure hydraulic hoses



According to **ISO 8434-2** According to **SAE J514**

Material : one-piece one-piece carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
P23.4082.0404	- 4	1/4"	7/16" – 20	- 4	14	20	14
P23.4082.0405	- 4	1/4"	1/2" – 20	- 5	14	21	17
P23.4082.0406	- 4	1/4"	9/16" – 18	- 6	15	24	19
P23.4082.0506	- 5	5/16"	9/16" – 18	- 6	15	24	19
P23.4082.0606	- 6	3/8"	9/16" – 18	- 6	18	24	19
P23.4082.0608	- 6	3/8"	3/4" – 16	- 8	20	23	24
P23.4082.0808	- 8	1/2"	3/4" – 16	- 8	21	23	24
P23.4082.0810	- 8	1/2"	7/8" – 14	- 10	21	23	27
P23.4082.1010	- 10	5/8"	7/8" – 14	- 10	23	27	27
P23.4082.1012	- 10	5/8"	1.1/16" – 12	- 12	23	29	32
P23.4082.1212	- 12	3/4"	1.1/16" – 12	- 12	27	31	32
P23.4082.1616	- 16	1"	1.5/16" – 12	- 16	35	37	41

also available:

Balfit[®] Multicrimp Stainless Steel 90° Compact Elbow JIC Female

(add an 'S' at the end of the part number; ex: P23.4082.0606 S)

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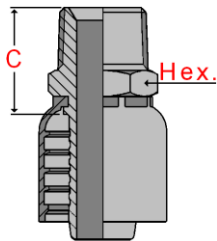
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Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] NPT Male – P23.0400 – one piece - non-skive

one piece carbon steel, NPT (dry-seal taper thread) male fitting for crimping on high pressure hydraulic hoses



According to **SAE J516 / SAE J514**

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
P23.0400.0302	- 3	3/16"	1/8" – 27	- 2	22	12
P23.0400.0304	- 3	3/16"	1/4" – 18	- 4	28	17
P23.0400.0402	- 4	1/4"	1/8" – 27	- 2	23	12
P23.0400.0404	- 4	1/4"	1/4" – 18	- 4	28	17
P23.0400.0406	- 4	1/4"	3/8" – 18	- 6	28	19
P23.0400.0504	- 5	5/16"	1/4" – 18	- 4	28	17
P23.0400.0506	- 5	5/16"	3/8" – 18	- 6	28	19
P23.0400.0508	- 5	5/16"	1/2" – 14	- 8	34	22
P23.0400.0604	- 6	3/8"	1/4" – 18	- 4	28	17
P23.0400.0606	- 6	3/8"	3/8" – 18	- 6	30	19
P23.0400.0608	- 6	3/8"	1/2" – 14	- 8	35	22
P23.0400.0806	- 8	1/2"	3/8" – 18	- 6	31	19
P23.0400.0808	- 8	1/2"	1/2" – 14	- 8	35	22
P23.0400.0812	- 8	1/2"	3/4" – 14	- 12	38	27
P23.0400.1012	- 10	5/8"	3/4" – 14	- 12	38	27
P23.0400.1212	- 12	3/4"	3/4" – 14	- 12	39	27
P23.0400.1216	- 12	3/4"	1" – 11.5	- 16	44	36
P23.0400.1616	- 16	1"	1" – 11.5	- 16	45	36
P23.0400.1620	- 16	1"	1-1/4" – 11.5	- 20	50	46
P23.0400.2020	- 20	1-1/4"	1-1/4" – 11.5	- 20	49	46
P23.0400.2424	- 24	1-1/2"	1-1/2" – 11.5	- 24	51	50
P23.0400.3232	- 32	2"	2" – 11.5	- 32	55	65

also available:

Balfit[®] Multicrimp Stainless Steel NPT Male

(add an 'S' at the end of the part number; ex: P23.0400.0808 S)

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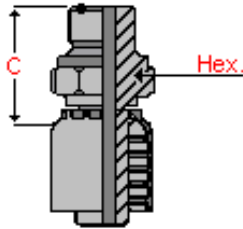
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Balfit® Multicrimp Hydraulic Hose Fitting



Balfit® ORFS Male – P23.4000. – one piece - non-skive

one piece carbon steel, ORFS, O'ring face seal male fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-1** and **ISO 8434-3** According to **SAE J 1453**

Material : carbon steel, zinc plated

Hoses : **Balflex®** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex® 2 – MAX JACK

Balflex® Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	thread	thread	C Cut Off	Hex.
		Ø		dash		
		inch			mm	mm
P23.4000.0404	- 4	1/4"	9/16" – 18	- 4	23	17
P23.4000.0406	- 4	1/4"	11/16" – 16	- 6	21	19
P23.4000.0506	- 5	5/16"	11/16" – 16	- 6	26	19
P23.4000.0606	- 6	3/8"	11/16" – 16	- 6	26	19
P23.4000.0608	- 6	3/8"	13/16" – 16	- 8	29	22
P23.4000.0808	- 8	1/2"	13/16" – 16	- 8	29	22
P23.4000.0810	- 8	1/2"	1" – 14	- 10	34	27
P23.4000.1010	- 10	5/8"	1" – 14	- 10	33	27
P23.4000.1012	- 10	5/8"	1.3/16" – 14	- 12	35	32
P23.4000.1212	- 12	3/4"	1.3/16" – 14	- 12	36	32
P23.4000.1616	- 16	1"	1.7/16" – 12	- 16	37	38
P23.4000.2020	- 20	1.1/4"	1.11/16" – 12	- 20	38	46

also available:

Balfit® Multicrimp Stainless Steel ORFS Male

(add an 'S' at the end of the part number; ex: P23.4000.0404 S)

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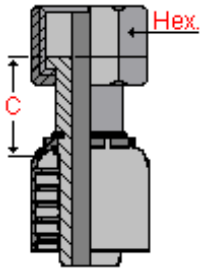
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Balfit® Multicrimp Hydraulic Hose Fitting

Balfit® ORFS Swivel Female – P23.4414 one piece - non-skive

one piece carbon steel, ORFS, O'ring face seal female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-1** and **ISO 8434-3** According to **SAE J 1453**
(see option P23.44H4. - for back hexagon)

Material : carbon steel, zinc plated

Hoses : **Balflex®** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex® 2 – MAX JACK

Balflex® Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	thread	thread dash	C Cut Off	Hex.
		Ø				
		inch			mm	mm
P23.4414.0404	- 4	1/4"	9/16" – 18	- 4	20	19
P23.4414.0406	- 4	1/4"	11/16" – 16	- 6	23	22
P23.4414.0506	- 5	5/16"	11/16" – 16	- 6	24	22
P23.4414.0606	- 6	3/8"	11/16" – 16	- 6	18	22
P23.4414.0608	- 6	3/8"	13/16" – 16	- 8	25	27
P23.4414.0808	- 8	1/2"	13/16" – 16	- 8	26	27
P23.4414.0810	- 8	1/2"	1" – 14	- 10	30	30
P23.4414.0812	- 8	1/2"	1.3/16" – 14	- 12	27	36
P23.4414.1010	- 10	5/8"	1" – 14	- 10	30	30
P23.4414.1012	- 10	5/8"	1.3/16" – 14	- 12	31	36
P23.4414.1210	- 12	3/4"	1" – 14	- 10	34	30
P23.4414.1212	- 12	3/4"	1.3/16" – 14	- 12	31	36
P23.4414.1216	- 12	3/4"	1.7/16" – 12	- 16	33	41
P23.4414.1616	- 16	1"	1.7/16" – 12	- 16	35	41
P23.4414.2020	- 20	1.1/4"	1.11/16" – 12	- 20	40	50
P23.4414.2424	- 24	1.1/2"	2" – 12	- 24	41	60

also available:

Balfit® Multicrimp Stainless Steel ORFS Female

(add an 'S' at the end of the part number; ex: P23.4414.0606 S)

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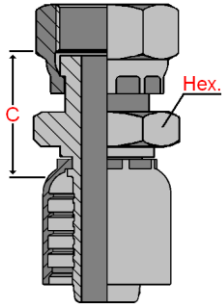
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Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] ORFS Swivel Female with Back Hexagon – P23.44H4 one piece - non-skive

one piece carbon steel, ORFS, O'ring face seal female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-1** and **ISO 8434-3** According to **SAE J 1453**

Material : carbon steel, zinc plated

Hoses : **Balflex[®]** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	thread	thread dash	C Cut Off	Hex.
		Ø				
		inch			mm	mm
P23.44H4.0404	- 4	1/4"	9/16" – 18	- 4	27	19
P23.44H4.0406	- 4	1/4"	11/16" – 16	- 6	31	22
P23.44H4.0606	- 6	3/8"	11/16" – 16	- 6	31	22
P23.44H4.0608	- 6	3/8"	13/16" – 16	- 8	36	27
P23.44H4.0808	- 8	1/2"	13/16" – 16	- 8	37	27
P23.44H4.0810	- 8	1/2"	1" – 14	- 10	41	30
P23.44H4.1010	- 10	5/8"	1" – 14	- 10	42	30
P23.44H4.1212	- 12	3/4"	1.3/16" – 14	- 12	43	36
P23.44H4.1616	- 16	1"	1.7/16" – 12	- 16	35	41

also available:

Balfit[®] Multicrimp Stainless Steel ORFS Female with Back Hexagon

(add an 'S' at the end of the part number; ex: P23.44H4.0606 S)

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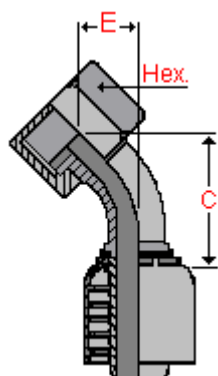
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Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] ORFS 45° Swept Swivel Female - P23.4444 one piece - non-skive

one piece carbon steel, ORFS, O'ring face seal fitting 45° swept swivel female for crimping on high pressure hydraulic hoses



According to **ISO 12151-1** and **ISO 8434-3** According to **SAE J 1453**

Material : carbon steel, zinc plated

Hoses : **Balflex[®]** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	thread	thread dash	C	E	Hex.
		Ø			Cut Off		
		inch			mm	mm	mm
P23.4444.0404	- 4	1/4"	9/16" – 18	- 4	40	14	19
P23.4444.0406	- 4	1/4"	11/16" – 16	- 6	40	15	22
P23.4444.0506	- 5	5/16"	11/16" – 16	- 6	44	14	22
P23.4444.0606	- 6	3/8"	11/16" – 16	- 6	52	17	22
P23.4444.0608	- 6	3/8"	13/16" – 16	- 8	51	18	27
P23.4444.0808	- 8	1/2"	13/16" – 16	- 8	60	23	27
P23.4444.0810	- 8	1/2"	1" – 14	- 10	66	23	30
P23.4444.1010	- 10	5/8"	1" – 14	- 10	71	26	30
P23.4444.1212	- 12	3/4"	1.3/16" – 14	- 12	83	27	36
P23.4444.1616	- 16	1"	1.7/16" – 12	- 16	100	30	41
P23.4444.2020	- 20	1.1/4"	1.11/16" – 12	- 20	125	44	50
P23.4444.2424	- 24	1.1/2"	2" – 12	- 24	96	36.5	60

also available:

Balfit[®] Multicrimp Stainless Steel ORFS 45° Swept Swivel Female

(add an 'S' at the end of the part number; ex: P23.4444.1010 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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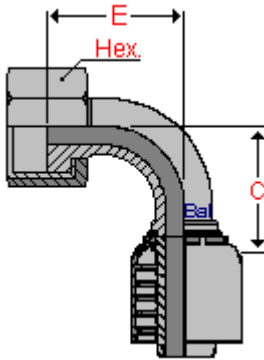
Balflex[®] – The European Technology

Balfit® Multicrimp Hydraulic Hose Fitting



Balfit® ORFS 90° Swept Swivel Female - P23.4494 one piece - non-skive

one piece carbon steel, ORFS, O'ring face seal fitting 90° swept swivel female for crimping on high pressure hydraulic hoses



According to **ISO 12151-1** and **ISO 8434-3** According to **SAE J 1453**

Material : carbon steel, zinc plated

Hoses : **Balflex®** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex® 2 – MAX JACK

Balflex® Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	thread	thread dash	C	E	Hex.
		Ø			Cut Off		
		inch			mm	mm	mm
P23.4494.0404	- 4	1/4"	9/16" – 18	- 4	27	26	19
P23.4494.0406	- 4	1/4"	11/16" – 16	- 6	34	23	22
P23.4494.0506	- 5	5/16"	11/16" – 16	- 6	32	29	22
P23.4494.0606	- 6	3/8"	11/16" – 16	- 6	36	32	22
P23.4494.0608	- 6	3/8"	13/16" – 16	- 8	37	32	27
P23.4494.0808	- 8	1/2"	13/16" – 16	- 8	41	40	27
P23.4494.0810	- 8	1/2"	1" – 14	- 10	39	40	30
P23.4494.1010	- 10	5/8"	1" – 14	- 10	47	45	30
P23.4494.1012	- 10	5/8"	1.3/16" – 14	- 12	57	49	36
P23.4494.1212	- 12	3/4"	1.3/16" – 14	- 12	57	51	36
P23.4494.1616	- 16	1"	1.7/16" – 12	- 16	72	62	41
P23.4494.2020	- 20	1.1/4"	1.11/16" – 12	- 20	83	73	50
P23.4494.2424	- 24	1.1/2"	2" - 12	- 24	92	84	60

also available:

Balfit® Multicrimp Stainless Steel ORFS 90° Swept Swivel Female

(add an 'S' at the end of the part number; ex: P23.4494.1010 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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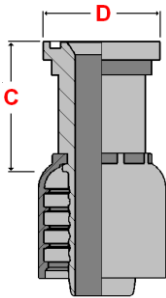
Balflex® – The European Technology



Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] Straight SAE 3000 PSI (code 61) Flange - P23.7013 one piece - non-skive

one-piece carbon steel light (code 61) flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

Hoses : **Balflex[®]** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	Flange size	flange	D Ø Flange	C Cut Off
		Ø	inch	dash		
		inch	inch		mm	mm
P23.7013.0808	- 8	1/2"	1/2"	- 8	30,2	46
P23.7013.0812	- 8	1/2"	3/4"	- 12	38,1	47
P23.7013.1010 (a)	- 10	5/8"	5/8"	- 10	34,0	50
P23.7013.1012	- 10	5/8"	3/4"	- 12	38,1	50
P23.7013.1212	- 12	3/4"	3/4"	- 12	38,1	48
P23.7013.1216	- 12	3/4"	1"	- 16	44,5	51
P23.7013.1616	- 16	1"	1"	- 16	44,5	52
P23.7013.1620	- 16	1"	1.1/4"	- 20	50,8	57
P23.7013.2020	- 20	1.1/4"	1.1/4"	- 20	50,8	58
P23.7013.2024	- 20	1.1/4"	1.1/2"	- 24	60,3	68
P23.7013.2424	- 24	1.1/2"	1.1/2"	- 24	60,3	68
P23.7013.2432	- 24	1.1/2"	2"	- 32	71,4	71
P23.7013.3232	- 32	2"	2"	- 32	71,4	71

(a) Japanese flange, size according to **JIS** standards; not included in **SAE J518**

also available:

Balfit[®] Multicrimp Stainless Steel Straight SAE 3000 PSI (code 61) Flange

(add an 'S' at the end of the part number; ex: P23.7013.1212 S)

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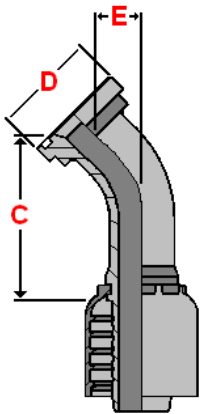
Balflex[®] – The European Technology

Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] 45° Swept SAE 3000 PSI (code 61) Flange - P23.7043 one piece - non-skive

one-piece carbon steel light (code 61) 45° swept flanged fitting for crimping on high pressure hydraulic hoses



According to ISO 6162 and ISO 12151-3 According to SAE J516 and SAE J518

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose	Flange size	flange dash	D	C	E
		Ø	inch		Ø Flange	Cut Off	
		inch	inch		mm	mm	mm
P23.7043.0808	- 8	1/2"	1/2"	- 8	30,2	62	22
P23.7043.0812	- 8	1/2"	3/4"	- 12	38,1	68	25
P23.7043.1010 (a)	- 10	5/8"	5/8"	- 10	34,0	68	24
P23.7043.1012	- 10	5/8"	3/4"	- 12	38,1	68	24
P23.7043.1212	- 12	3/4"	3/4"	- 12	38,1	68	24
P23.7043.1216	- 12	3/4"	1"	- 16	44,5	88	30
P23.7043.1616	- 16	1"	1"	- 16	44,5	104	33
P23.7043.1620	- 16	1"	1.1/4"	- 20	50,8	108	37
P23.7043.2020	- 20	1.1/4"	1.1/4"	- 20	50,8	125	38
P23.7043.2024	- 20	1.1/4"	1.1/2"	- 24	60,3	129	39
P23.7043.2424	- 24	1.1/2"	1.1/2"	- 24	60,3	146	50
P23.7043.2432	- 24	1.1/2"	2"	- 32	71,4	176	58
P23.7043.3232	- 32	2"	2"	- 32	71,4	176	58

(a) Japanese flange, size according to JIS standards; not included in SAE J518

also available:

Balfit[®] Multicrimp Stainless Steel 45° Swept SAE 3000 PSI (code 61) Flange

(add an 'S' at the end of the part number; ex: P23.7043.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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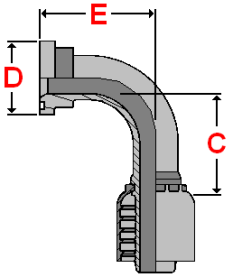
Balflex[®] – The European Technology



Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] 90° Swept SAE 3000 PSI (code 61) Flange - P23.7093 one piece - non-skive

one-piece carbon steel light (code 61) 90° swept flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

Hoses : **Balflex[®]** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	Flange size	flange	D Ø Flange	C Cut Off	E
		Ø	inch	dash			
		inch	inch		mm	mm	mm
P23.7093.0808	- 8	1/2"	1/2"	- 8	30,2	39	39
P23.7093.0812	- 8	1/2"	3/4"	- 12	38,1	39	44
P23.7093.1010 (a)	- 10	5/8"	5/8"	- 10	34,0	53	52
P23.7093.1012	- 10	5/8"	3/4"	- 12	38,1	53	53
P23.7093.1212	- 12	3/4"	3/4"	- 12	38,1	56	53
P23.7093.1216	- 12	3/4"	1"	- 16	44,5	58	58
P23.7093.1616	- 16	1"	1"	- 16	44,5	70	65
P23.7093.1620	- 16	1"	1.1/4"	- 20	50,8	70	70
P23.7093.2020	- 20	1.1/4"	1.1/4"	- 20	50,8	85	81
P23.7093.2024	- 20	1.1/4"	1.1/2"	- 24	60,3	85	85
P23.7093.2424	- 24	1.1/2"	1.1/2"	- 24	60,3	99	92
P23.7093.2432	- 24	1.1/2"	2"	- 32	71,4	99	92
P23.7093.3232	- 32	2"	2"	- 32	71,4	123	121

(a) Japanese flange, size according to **JIS** standards; not included in **SAE J518**

also available:

Balfit[®] Multicrimp Stainless Steel 90° Swept SAE 3000 PSI (code 61) Flange

(add an 'S' at the end of the part number; ex: P23.7093.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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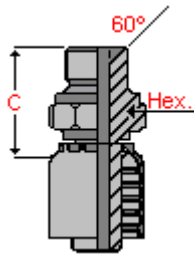
Balflex[®] – The European Technology

Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] BSP Male - P23.0100 – one piece - non-skive

one piece carbon steel, BSP (British thread 60° cone) male fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated

Hoses : **Balflex[®]** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
P23.0100.0302	- 3	3/16"	1/8" – 28	- 2	23	14
P23.0100.0304	- 3	3/16"	1/4" – 19	- 4	22	19
P23.0100.0402	- 4	1/4"	1/8" – 28	- 2	20	14
P23.0100.0404	- 4	1/4"	1/4" – 19	- 4	22	19
P23.0100.0406	- 4	1/4"	3/8" – 19	- 6	28	22
P23.0100.0408	- 4	1/4"	1/2" – 14	- 8	31	27
P23.0100.0506	- 5	5/16"	3/8" – 19	- 6	26	22
P23.0100.0508	- 5	5/16"	1/2" – 14	- 8	29	27
P23.0100.0604	- 6	3/8"	1/4" – 19	- 4	23	19
P23.0100.0606	- 6	3/8"	3/8" – 19	- 6	26	22
P23.0100.0608	- 6	3/8"	1/2" – 14	- 8	29	27
P23.0100.0806	- 8	1/2"	3/8" – 19	- 6	27	22
P23.0100.0808	- 8	1/2"	1/2" – 14	- 8	29	27
P23.0100.0810	- 8	1/2"	5/8" – 14	- 10	31	30
P23.0100.0812	- 8	1/2"	3/4" – 14	- 12	33	32
P23.0100.1010	- 10	5/8"	5/8" – 14	- 10	32	30
P23.0100.1012	- 10	5/8"	3/4" – 14	- 12	34	32
P23.0100.1212	- 12	3/4"	3/4" – 14	- 12	34	32
P23.0100.1216	- 12	3/4"	1" – 11	- 16	38	41
P23.0100.1616	- 16	1"	1" – 11	- 16	39	41
P23.0100.1620	- 16	1"	1-1/4" – 11	- 20	44	46
P23.0100.2020	- 20	1.1/4"	1-1/4" – 11	- 20	45	46
P23.0100.2024	- 20	1.1/4"	1-1/2" – 11	- 24	45	55
P23.0100.2424	- 24	1.1/2"	1-1/2" – 11	- 24	45	55
P23.0100.2432	- 24	1.1/2"	2" – 11	- 32	52	70
P23.0100.3232	- 32	2"	2" – 11	- 32	52	70

also available:

Balfit[®] Multicrimp Stainless Steel BSP Male

(add an 'S' at the end of the part number; ex: P23.0100.1212 S)

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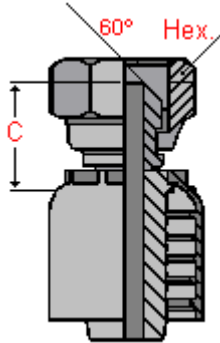
Balflex[®] – The European Technology



Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] BSP Swivel Female - P23.3012 – one piece - non-skive

one piece carbon steel, BSP (British thread 60° cone) female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated

Hoses : **Balflex[®]** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
P23.3012.0302	- 3	3/16"	1/8" – 28	- 2	15	14
P23.3012.0304	- 3	3/16"	1/4" – 19	- 4	17	19
P23.3012.0402	- 4	1/4"	1/8" – 28	- 2	16	14
P23.3012.0404	- 4	1/4"	1/4" – 19	- 4	17	19
P23.3012.0406	- 4	1/4"	3/8" – 19	- 6	19	22
P23.3012.0408	- 4	1/4"	1/2" – 14	- 8	20	27
P23.3012.0506	- 5	5/16"	3/8" – 19	- 6	20	22
P23.3012.0604	- 6	3/8"	1/4" – 19	- 4	19	19
P23.3012.0606	- 6	3/8"	3/8" – 19	- 6	20	22
P23.3012.0608	- 6	3/8"	1/2" – 14	- 8	21	27
P23.3012.0806	- 8	1/2"	3/8" – 19	- 6	20	22
P23.3012.0808	- 8	1/2"	1/2" – 14	- 8	22	27
P23.3012.0810	- 8	1/2"	5/8" – 14	- 10	22	30
P23.3012.0812	- 8	1/2"	3/4" – 14	- 12	23	32
P23.3012.1010	- 10	5/8"	5/8" – 14	- 10	23	30
P23.3012.1012	- 10	5/8"	3/4" – 14	- 12	24	32
P23.3012.1212	- 12	3/4"	3/4" – 14	- 12	24	32
P23.3012.1216	- 12	3/4"	1" – 11	- 16	24	41
P23.3012.1616	- 16	1"	1" – 11	- 16	27	41
P23.3012.1620	- 16	1"	1-1/4" – 11	- 20	29	50
P23.3012.2020	- 20	1.1/4"	1-1/4" – 11	- 20	31	50
P23.3012.2424	- 24	1.1/2"	1-1/2" – 11	- 24	32	55
P23.3012.3232	- 32	2"	2" – 11	- 32	34	70

also available:

Balfit[®] Multicrimp Stainless Steel BSP Female

(add an 'S' at the end of the part number; ex: P23.3012.1212 S)

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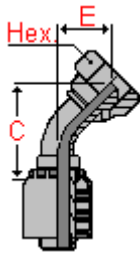
Balflex[®] – The European Technology

Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] 45° Swept BSP Swivel Female - P23.3042 one piece - non-skive

one-piece carbon steel, BSP (British thread 60° cone) 45° swept BSP female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose	thread	thread	C	E	Hex.
		Ø		dash	Cut Off		
		inch			mm	mm	mm
P23.3042.0302	- 3	3/16"	1/8" – 28	- 2	33	15	14
P23.3042.0304	- 3	3/16"	1/4" – 19	- 4	35	15	19
P23.3042.0402	- 4	1/4"	1/8" – 28	- 2	40	14	14
P23.3042.0404	- 4	1/4"	1/4" – 19	- 4	41	15	19
P23.3042.0406	- 4	1/4"	3/8" – 19	- 6	44	18	22
P23.3042.0506	- 5	5/16"	3/8" – 19	- 6	49	20	22
P23.3042.0606	- 6	3/8"	3/8" – 19	- 6	52	19	22
P23.3042.0608	- 6	3/8"	1/2" – 14	- 8	55	21	27
P23.3042.0808	- 8	1/2"	1/2" – 14	- 8	67	24	27
P23.3042.0810	- 8	1/2"	5/8" – 14	- 10	68	25	30
P23.3042.0812	- 8	1/2"	3/4" – 14	- 12	70	27	32
P23.3042.1010	- 10	5/8"	5/8" – 14	- 10	68	23	30
P23.3042.1012	- 10	5/8"	3/4" – 14	- 12	72	27	32
P23.3042.1212	- 12	3/4"	3/4" – 14	- 12	86	30	32
P23.3042.1216	- 12	3/4"	1" – 11	- 16	88	32	41
P23.3042.1616	- 16	1"	1" – 11	- 16	107	35	41
P23.3042.2020	- 20	1.1/4"	1-1/4" – 11	- 20	129	40	50
P23.3042.2424	- 24	1.1/2"	1-1/2" – 11	- 24	221	47	55
P23.3042.3232	- 32	2"	2" - 11	- 32	196	70	70

also available:

Balfit[®] Multicrimp Stainless Steel 45° Swept Female BSP

(add an 'S' at the end of the part number; ex: P23.3042.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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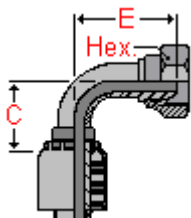
Balflex[®] – The European Technology



Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] 90° Swept BSP Swivel Female - P23.3092 one piece - non-skive

one-piece carbon steel, BSP (British thread 60° cone) 90° swept BSP female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated

Hoses : **Balflex[®]** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	thread	thread	C	E	Hex.
		Ø		dash	Cut Off		
		inch			mm	mm	mm
P23.3092.0302	- 3	3/16"	1/8" – 28	- 2	22	23	14
P23.3092.0304	- 3	3/16"	1/4" – 19	- 4	22	25	19
P23.3092.0402	- 4	1/4"	1/8" – 28	- 2	25	30	14
P23.3092.0404	- 4	1/4"	1/4" – 19	- 4	30	29	19
P23.3092.0406	- 4	1/4"	3/8" – 19	- 6	25	31	22
P23.3092.0506	- 5	5/16"	3/8" – 19	- 6	32	35	22
P23.3092.0606	- 6	3/8"	3/8" – 19	- 6	33	38	22
P23.3092.0608	- 6	3/8"	1/2" – 14	- 8	33	41	27
P23.3092.0808	- 8	1/2"	1/2" – 14	- 8	45	44	27
P23.3092.0810	- 8	1/2"	5/8" – 14	- 10	42	45	30
P23.3092.0812	- 8	1/2"	3/4" – 14	- 12	42	48	32
P23.3092.1010	- 10	5/8"	5/8" – 14	- 10	50	45	30
P23.3092.1012	- 10	5/8"	3/4" – 14	- 12	50	50	32
P23.3092.1212	- 12	3/4"	3/4" – 14	- 12	56	57	32
P23.3092.1216	- 12	3/4"	1" – 11	- 16	58	63	41
P23.3092.1616	- 16	1"	1" – 11	- 16	74	73	41
P23.3092.2020	- 20	1.1/4"	1-1/4" – 11	- 20	90	92	50
P23.3092.2424	- 24	1.1/2"	1-1/2" – 11	- 24	99	100	55
P23.3092.3232	- 32	2"	2" - 11	- 32	129	130	70

also available:

Balfit[®] Multicrimp Stainless Steel 90° Swept Female BSP

(add an 'S' at the end of the part number; ex: P23.3092.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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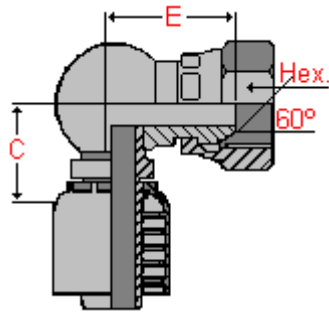
Balflex[®] – The European Technology

Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] 90° Compact Elbow BSP Swivel Female - P23.3082 one piece - non-skive

one piece carbon steel, BSP (British thread 60° cone) 90° compact elbow BSP female fitting for crimping on high pressure hydraulic hoses



According to **BS 5200**

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose	thread	thread dash	C	E	Hex.
		Ø			Cut Off		
		inch			mm	mm	mm
P23.3082.0404	- 4	1/4"	1/4" – 19	- 4	22	25	19
P23.3082.0506	- 5	5/16"	3/8" – 19	- 6	26	29	22
P23.3082.0606	- 6	3/8"	3/8" – 19	- 6	26	29	22
P23.3082.0608	- 6	3/8"	1/2" – 14	- 8	28	34	27
P23.3082.0808	- 8	1/2"	1/2" – 14	- 8	30	34	27
P23.3082.1010	- 10	5/8"	5/8" – 14	- 10	30	35	28
P23.3082.1212	- 12	3/4"	3/4" – 14	- 12	36	39	32
P23.3082.1616	- 16	1"	1" – 11	- 16	45	46	38

also available:

Balfit[®] Multicrimp Stainless Steel 90° Compact Elbow Female BSP

(add an 'S' at the end of the part number; ex: P23.3082.0808 S)

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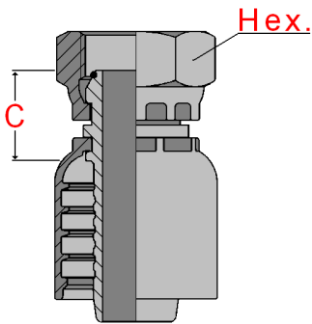
Balflex[®] – The European Technology



Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] BSP O’ring Swivel Female - P23.3112 one piece - non-skive

one piece carbon steel, BSP (British thread 60° cone with O-ring) female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	thread	thread dash	C	Hex.
		Ø				
		inch			mm	mm
P23.3112.0404	- 4	1/4"	1/4" – 19	- 4	17	19
P23.3112.0606	- 6	3/8"	3/8" – 19	- 6	20	22
P23.3112.0808	- 8	1/2"	1/2" – 14	- 8	22	27
P23.3112.1010	- 10	5/8"	5/8" – 14	- 10	23	30
P23.3112.1212	- 12	3/4"	3/4" – 14	- 12	24	32
P23.3112.1616	- 16	1"	1" – 11	- 16	27	41

also available:

Balfit[®] Multicrimp Stainless Steel BSP O’ring Female

(add an 'S' at the end of the part number; ex: P23.3112.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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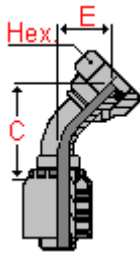
Balflex[®] – The European Technology

Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] BSP 45° Swept O'ring Swivel Female - P23.3142 one piece - non-skive

one-piece carbon steel, BSP (British thread 60° cone with O-ring) 45° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose	thread	thread dash	C	E	Hex.
		Ø			Cut Off		
		inch			mm	mm	mm
P23.3142.0404	- 4	1/4"	1/4" – 19	- 4	41	15	19
P23.3142.0606	- 6	3/8"	3/8" – 19	- 6	52	19	22
P23.3142.0808	- 8	1/2"	1/2" – 14	- 8	67	24	27
P23.3142.1010	- 10	5/8"	5/8" – 14	- 10	68	23	30
P23.3142.1212	- 12	3/4"	3/4" – 14	- 12	86	30	32
P23.3142.1616	- 16	1"	1" – 11	- 16	107	35	41

also available:

Balfit[®] Multicrimp Stainless Steel BSP 45° Swept O'ring Female

(add an 'S' at the end of the part number; ex: P23.3142.0808 S)

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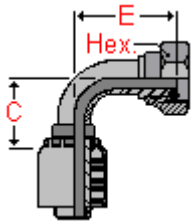
Balflex[®] – The European Technology



Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] BSP 90° Swept O'ring Swivel Female - P23.3192 one piece - non-skive

one-piece carbon steel, BSP (British thread 60° cone with O-ring) 90° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated

Hoses : **Balflex[®]** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
P23.3192.0404	- 4	1/4"	1/4" – 19	- 4	30	29	19
P23.3192.0606	- 6	3/8"	3/8" – 19	- 6	33	38	22
P23.3192.0808	- 8	1/2"	1/2" – 14	- 8	45	44	27
P23.3192.1010	- 10	5/8"	5/8" – 14	- 10	50	45	30
P23.3192.1212	- 12	3/4"	3/4" – 14	- 12	56	57	32
P23.3192.1616	- 16	1"	1" – 11	- 16	74	73	41

also available:

Balfit[®] Multicrimp Stainless Steel BSP 90° Swept O'ring Female

(add an 'S' at the end of the part number; ex: P23.3192.1212 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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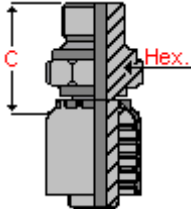
Balflex[®] – The European Technology

Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] BSP Flat Face Male - P23.0500 – one piece - non-skive

one piece carbon steel, BSP (British thread 60° cone with O-ring) flat face male fitting for crimping on high pressure hydraulic hoses



According to **BS 5200** Sealing detail according to **DIN 3852** type **A** (for sealing washer)

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose	thread	thread	C Cut Off	Hex.
		Ø		dash		
		inch			mm	mm
P23.0500.0404	- 4	1/4"	1/4" – 19	- 4	22	19
P23.0500.0406	- 4	1/4"	3/8" – 19	- 6	28	22
P23.0500.0506	- 5	5/16"	3/8" – 19	- 6	26	22
P23.0500.0606	- 6	3/8"	3/8" – 19	- 6	26	22
P23.0500.0608	- 6	3/8"	1/2" – 14	- 8	29	27
P23.0500.0808	- 8	1/2"	1/2" – 14	- 8	29	27
P23.0500.0812	- 8	1/2"	3/4" – 14	- 12	33	32
P23.0500.1012	- 10	5/8"	3/4" – 14	- 12	34	32
P23.0500.1212	- 12	3/4"	3/4" – 14	- 12	34	32
P23.0500.1616	- 16	1"	1" – 11	- 16	39	41

also available:

Balfit[®] Multicrimp Stainless Steel BSP Flat Face Male

(add an 'S' at the end of the part number; ex: P23.0500.0606 S)

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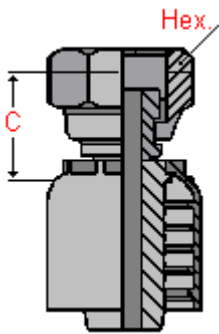
Balflex[®] – The European Technology



Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] BSP Flat Face Female - P23.3212 one piece - non-skive

one piece carbon steel, BSP (British thread 60° cone with O-ring) flat face female fitting for crimping on high pressure hydraulic hoses



According to **BS 5200** Sealing detail according to **DIN 3852** type **A** (for sealing washer)

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	thread	thread	C Cut Off	Hex.
		∅		dash		
		inch			mm	mm
P23.3212.0404	- 4	1/4"	1/4" – 19	- 4	15	19
P23.3212.0406	- 4	1/4"	3/8" – 19	- 6	16	22
P23.3212.0506	- 5	5/16"	3/8" – 19	- 6	16	22
P23.3212.0606	- 6	3/8"	3/8" – 19	- 6	16	22
P23.3212.0608	- 6	3/8"	1/2" – 14	- 8	16	27
P23.3212.0808	- 8	1/2"	1/2" – 14	- 8	17	27
P23.3212.0812	- 8	1/2"	3/4" – 14	- 12	23	32
P23.3212.1012	- 10	5/8"	3/4" – 14	- 12	21	32
P23.3212.1212	- 12	3/4"	3/4" – 14	- 12	21	32
P23.3212.1616	- 16	1"	1" – 11	- 16	21	38

also available:

Balfit[®] Multicrimp Stainless Steel BSP Flat Face Female

(add an 'S' at the end of the part number; ex: P23.3212.0606 S)

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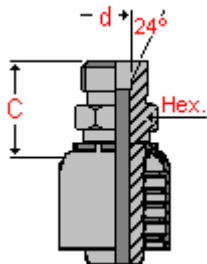
Balflex[®] – The European Technology

Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] Metric Male CEL Light Type - P23.1000 one piece - non-skive

one piece carbon steel, light metric (metric thread, 24° cone) male fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3861** series **L**

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	thread	thread dash	d - tube	C	Hex.
		Ø			mm	Cut Off	
		inch			mm	mm	mm
P23.1000.0312	- 3	3/16"	M12 x 1,5	- 12	6		
P23.1000.0412	- 4	1/4"	M12 x 1,5	- 12	6	20	14
P23.1000.0414	- 4	1/4"	M14 x 1,5	- 14	8	20	14
P23.1000.0416	- 4	1/4"	M16 x 1,5	- 16	10	23	17
P23.1000.0418	- 4	1/4"	M18 x 1,5	- 18	12	23	19
P23.1000.0514	- 5	5/16"	M14 x 1,5	- 14	8	21	14
P23.1000.0516	- 5	5/16"	M16 x 1,5	- 16	10	24	17
P23.1000.0518	- 5	5/16"	M18 x 1,5	- 18	12	24	19
P23.1000.0616	- 6	3/8"	M16 x 1,5	- 16	10	24	17
P23.1000.0618	- 6	3/8"	M18 x 1,5	- 18	12	24	19
P23.1000.0622	- 6	3/8"	M22 X 1,5	- 22	15	27	24
P23.1000.0822	- 8	1/2"	M22 X 1,5	- 22	15	25	24
P23.1000.0826	- 8	1/2"	M26 X 1,5	- 26	18	26	27
P23.1000.1026	- 10	5/8"	M26 X 1,5	- 26	18	27	27
P23.1000.1030	- 10	5/8"	M30 x 2,0	- 30	22	29	32
P23.1000.1230	- 12	3/4"	M30 X 2,0	- 30	22	30	32
P23.1000.1636	- 16	1"	M36 X 2,0	- 36	28	31	41
P23.1000.2045	- 20	1.1/4"	M45 X 2,0	- 45	35	43	46
P23.1000.2452	- 24	1.1/2"	M52 X 2,0	- 52	42	45	55

also available:

Balfit[®] Multicrimp Stainless Steel Metric Male CEL Light Type

(add an 'S' at the end of the part number; ex: P23.1000.0822 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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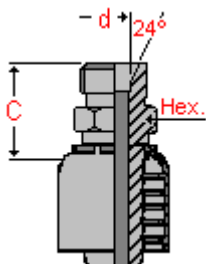
Balflex[®] – The European Technology



Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] Metric Male CES Heavy Type - P23.1100 one piece - non-skive

one piece carbon steel, light metric (metric thread, 24° cone) male fitting for crimping on high pressure hydraulic hoses



According to ISO 12151-2 and ISO 8434-1 According to DIN 3861 series S

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose Ø	thread	thread dash	d - tube	C Cut Off	Hex.
		inch			mm	mm	mm
P23.1100.0316	- 3	3/16 "	M16 x 1,5	- 16	8	24	14
P23.1100.0416	- 4	1/4 "	M16 x 1,5	- 16	8	26	17
P23.1100.0418	- 4	1/4 "	M18 x 1,5	- 18	10	26	19
P23.1100.0516	- 5	5/16 "	M16 x 1,5	- 16	8	27	17
P23.1100.0518	- 5	5/16 "	M18 x 1,5	- 18	10	27	19
P23.1100.0520	- 5	5/16 "	M20 x 1,5	- 20	12	28	22
P23.1100.0618	- 6	3/8 "	M18 x 1,5	- 18	10	27	19
P23.1100.0620	- 6	3/8 "	M20 x 1,5	- 20	12	29	22
P23.1100.0622	- 6	3/8 "	M22 x 1,5	- 22	14	29	24
P23.1100.0824	- 8	1/2 "	M24 x 1,5	- 24	16	32	27
P23.1100.1030	- 10	5/8 "	M30 x 2,0	- 30	20	36	32
P23.1100.1230	- 12	3/4 "	M30 x 2,0	- 30	20	38	32
P23.1100.1236	- 12	3/4 "	M36 x 2,0	- 36	25	40	41
P23.1100.1636	- 16	1 "	M36 x 2,0	- 36	25	40	41
P23.1100.1642	- 16	1 "	M42 x 2,0	- 42	30	40	46
P23.1100.2052	- 20	1.1/4 "	M52 x 2,0	- 52	38	49	55

also available:

Balfit[®] Multicrimp Stainless Steel Metric Male CES Heavy Type

(add an 'S' at the end of the part number; ex: P23.1100.0824 S)

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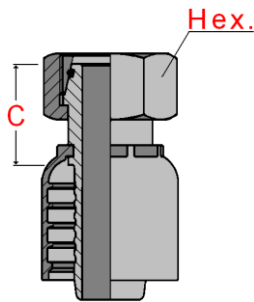
Balflex[®] – The European Technology

Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] Metric Female DKO - L Light Type - P23.5013 one piece - non-skive

one piece carbon steel, light metric (metric thread, 24° cone with O'Ring) female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865** series **L**

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	thread	thread dash	tube	C Cut Off	Hex.
		Ø					
		inch			mm	mm	mm
P23.5013.0312	- 3	3/16"	M12 x 1,5	- 12	- 6	23	14
P23.5013.0412	- 4	1/4"	M12 x 1,5	- 12	- 6	26	17
P23.5013.0414	- 4	1/4"	M14 x 1,5	- 14	- 8	23	17
P23.5013.0416	- 4	1/4"	M16 x 1,5	- 16	- 10	28	19
P23.5013.0418	- 4	1/4"	M18 x 1,5	- 18	- 12	24	22
P23.5013.0516	- 5	5/16"	M16 x 1,5	- 16	- 10	24	19
P23.5013.0616	- 6	3/8"	M16 x 1,5	- 16	- 10	28	22
P23.5013.0618	- 6	3/8"	M18 x 1,5	- 18	- 12	26	22
P23.5013.0622	- 6	3/8"	M22 x 1,5	- 22	- 15	29	27
P23.5013.0822	- 8	1/2"	M22 x 1,5	- 22	- 15	29	27
P23.5013.0826	- 8	1/2"	M26 x 1,5	- 26	- 18	30	32
P23.5013.1026	- 10	5/8"	M26 x 1,5	- 26	- 18	31	32
P23.5013.1030	- 10	5/8"	M30 x 2,0	- 30	- 22	32	36
P23.5013.1236	- 12	3/4"	M36 x 2,0	- 36	- 28	32	36
P23.5013.1636	- 16	1"	M36 x 2,0	- 36	- 28	38	46
P23.5013.2045	- 20	1.1/4"	M45 x 2,0	- 45	- 35	35	55
P23.5013.2452	- 24	1.1/2"	M52 x 2,0	- 52	- 42	38	60

also available:

Balfit[®] Multicrimp Stainless Steel Metric Female DKO - L Light Type

(add an 'S' at the end of the part number; ex: P23.5013.1026 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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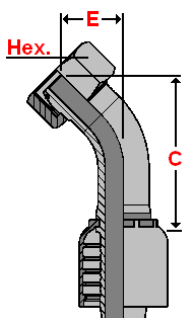
Balflex[®] – The European Technology



Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] Metric 45° Swept Female DKO - L Light Type - P23.5043 one piece - non-skive

one piece carbon steel, light metric (metric thread, 24° cone with O'Ring) 45° swept female fitting for crimping on high pressure hydraulic hoses



According to ISO 12151-2 and ISO 8434-1 According to DIN 3865 series L

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN
Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	E	Hex.
		inch			mm	mm	mm	mm
P23.5043.0312	- 3	3/16"	M12 x 1,5	- 12	- 6	34	15	14
P23.5043.0412	- 4	1/4"	M12 x 1,5	- 12	- 6	43	20	17
P23.5043.0414	- 4	1/4"	M14 x 1,5	- 14	- 8	39	17	17
P23.5043.0416	- 4	1/4"	M16 x 1,5	- 16	- 10	38	17	19
P23.5043.0418	- 4	1/4"	M18 x 1,5	- 18	- 12	44	18	22
P23.5043.0516	- 5	5/16"	M16 x 1,5	- 16	- 10	46	21	19
P23.5043.0616	- 6	3/8"	M16 x 1,5	- 16	- 10	53	25	22
P23.5043.0618	- 6	3/8"	M18 x 1,5	- 18	- 12	46	23	22
P23.5043.0622	- 6	3/8"	M22 x 1,5	- 22	- 15	48	22	27
P23.5043.0822	- 8	1/2"	M22 x 1,5	- 22	- 15	59	26	27
P23.5043.1026	- 10	5/8"	M26 x 1,5	- 26	- 18	62	30	32
P23.5043.1230	- 12	3/4"	M30 x 2,0	- 30	- 22	68	30	36
P23.5043.1636	- 16	1"	M36 x 2,0	- 36	- 28	81	38	41
P23.5043.2045	- 20	1.1/4"	M45 x 2,0	- 45	- 35	93	45	50
P23.5043.2452	- 24	1.1/2"	M52 x 2,0	- 52	- 42	105	45	60

also available:

Balfit[®] Multicrimp Stainless Steel Metric 45° Swept Female DKO - L Light Type

(add an 'S' at the end of the part number; ex: P23.5043.1230 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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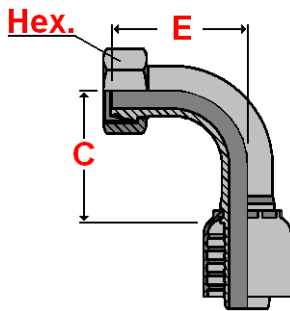
Balflex[®] – The European Technology

Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] Metric 90° Swept Female DKO - L Light Type - P23.5093 one piece - non-skive

one piece carbon steel, light metric (metric thread, 24° cone with O'Ring) 90° swept female fitting for crimping on high pressure hydraulic hoses



According to ISO 12151-2 and ISO 8434-1 According to DIN 3865 series L

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose	thread	thread dash	tube	C Cut Off	E	Hex.
		∅						
		inch			mm	mm	mm	mm
P23.5093.0312	- 3	3/16"	M12 x 1,5	- 12	- 6	25	25	14
P23.5093.0412	- 4	1/4"	M12 x 1,5	- 12	- 6	30	40	17
P23.5093.0414	- 4	1/4"	M14 x 1,5	- 14	- 8	31	30	17
P23.5093.0416	- 4	1/4"	M16 x 1,5	- 16	- 10	26	28	19
P23.5093.0418	- 4	1/4"	M18 x 1,5	- 18	- 12	27	34	22
P23.5093.0516	- 5	5/16"	M16 x 1,5	- 16	- 10	31	31	19
P23.5093.0518	- 5	5/16"	M18 x 1,5	- 18	- 12	31	34	22
P23.5093.0616	- 6	3/8"	M16 x 1,5	- 16	- 10	33	38	22
P23.5093.0618	- 6	3/8"	M18 x 1,5	- 18	- 12	37	37	22
P23.5093.0622	- 6	3/8"	M22 x 1,5	- 22	- 15	39	32	27
P23.5093.0822	- 8	1/2"	M22 x 1,5	- 22	- 15	40	41	27
P23.5093.1026	- 10	5/8"	M26 x 1,5	- 26	- 18	46	52	32
P23.5093.1230	- 12	3/4"	M30 x 2,0	- 30	- 22	58	59	36
P23.5093.1636	- 16	1"	M36 x 2,0	- 36	- 28	62	68	41
P23.5093.2045	- 20	1.1/4"	M45 x 2,0	- 45	- 35	81	85	50
P23.5093.2452	- 24	1.1/2"	M52 x 2,0	- 52	- 42	96	100	60

also available:

Balfit[®] Multicrimp Stainless Steel Metric 90° Swept Female DKO - L Light Type

(add an 'S' at the end of the part number; ex: P23.5093.1230 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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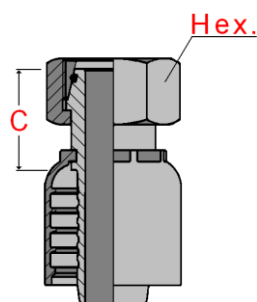
Balflex[®] – The European Technology



Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] Metric Female DKO - S Heavy Type - P23.5113 one piece - non-skive

one piece carbon steel, heavy metric (metric thread, 24° cone with O'Ring) female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865** series **S**

Material : carbon steel, zinc plated

Hoses : **Balflex[®]** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	hose dash	hose	thread	thread dash	tube	C Cut Off	Hex.
		Ø					
		inch			mm	mm	mm
P23.5113.0316	- 3	3/16"	M16 x 1,5	- 16	8	23	19
P23.5113.0414	- 4	1/4"	M14 x 1,5	- 14	6	25	17
P23.5113.0416	- 4	1/4"	M16 x 1,5	- 16	8	24	19
P23.5113.0418	- 4	1/4"	M18 x 1,5	- 18	10	25	22
P23.5113.0520	- 5	5/16"	M20 x 1,5	- 20	12	26	24
P23.5113.0620	- 6	3/8"	M20 x 1,5	- 20	12	26	24
P23.5113.0622	- 6	3/8"	M22 x 1,5	- 22	14	26	27
P23.5113.0824	- 8	1/2"	M24 x 1,5	- 24	16	27	30
P23.5113.1030	- 10	5/8"	M30 x 2,0	- 30	20	34	36
P23.5113.1230	- 12	3/4"	M30 x 2,0	- 30	20	34	36
P23.5113.1236	- 12	3/4"	M36 x 2,0	- 36	25	31	46
P23.5113.1642	- 16	1"	M42 x 2,0	- 42	30	36	50
P23.5113.2052	- 20	1.1/4"	M52 x 2,0	- 52	38	36	60
P23.5113.2452	- 24	1.1/2"	M52 x 2,0	- 52	38	36	60

also available:

Balfit[®] Multicrimp Stainless Steel Metric Female DKO - S Heavy Type

(add an 'S' at the end of the part number; ex: P23.5113.0824 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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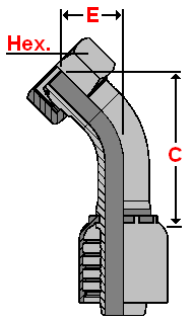
Balflex[®] – The European Technology

Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] Metric 45° Swept Female DKO - S Heavy Type P23.5143 - one piece - non-skive

one piece carbon steel, heavy metric (metric thread, 24° cone with O'Ring) 45° swept female fitting for crimping on high pressure hydraulic hoses



According to ISO 12151-2 and ISO 8434-1 According to DIN 3865 series S

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	E	Hex.
		inch			mm	mm	mm	mm
P23.5143.0316	- 3	3/16"	M16 x 1,5	- 16	8	35	16	19
P23.5143.0416	- 4	1/4"	M16 x 1,5	- 16	8	43	21	19
P23.5143.0418	- 4	1/4"	M18 x 1,5	- 18	10	43	21	22
P23.5143.0520	- 5	5/16"	M20 x 1,5	- 20	12	47	25	24
P23.5143.0620	- 6	3/8"	M20 x 1,5	- 20	12	49	25	24
P23.5143.0622	- 6	3/8"	M22 x 1,5	- 22	14	50	24	27
P23.5143.0824	- 8	1/2"	M24 x 1,5	- 24	16	53	27	30
P23.5143.1030	- 10	5/8"	M30 x 2,0	- 30	20	75	31	36
P23.5143.1230	- 12	3/4"	M30 x 2,0	- 30	20	83	31	36
P23.5143.1236	- 12	3/4"	M36 x 2,0	- 36	25	80	33	46
P23.5143.1642	- 16	1"	M42 x 2,0	- 42	30	90	41	50
P23.5143.2052	- 20	1.1/4"	M52 x 2,0	- 52	38	130	41	60

also available:

Balfit[®] Multicrimp Stainless Steel Metric 45° Swept Female DKO - S Heavy Type

(add an 'S' at the end of the part number; ex: P23.5143.0824 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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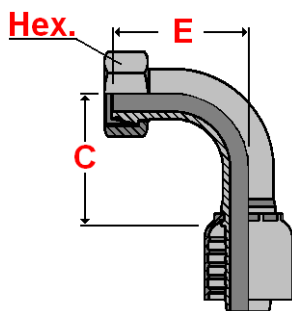
Balflex[®] – The European Technology



Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] Metric 90° Swept Female DKO - S Heavy Type P23.5193 - one piece - non-skive

one piece carbon steel, heavy metric (metric thread, 24° cone with O'Ring) 90° swept female fitting for crimping on high pressure hydraulic hoses



According to ISO 12151-2 and ISO 8434-1 According to DIN 3865 series S

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	E	Hex.
		inch			mm	mm	mm	mm
P23.5193.0316	- 3	3/16"	M16 x 1,5	- 16	8	24	24	19
P23.5193.0416	- 4	1/4"	M16 x 1,5	- 16	8	26	29	19
P23.5193.0418	- 4	1/4"	M18 x 1,5	- 18	10	26	31	22
P23.5193.0520	- 5	5/16"	M20 x 1,5	- 20	12	33	40	24
P23.5193.0620	- 6	3/8"	M20 x 1,5	- 20	12	34	38	24
P23.5193.0622	- 6	3/8"	M22 x 1,5	- 22	14	33	44	27
P23.5193.0824	- 8	1/2"	M24 x 1,5	- 24	16	42	44	30
P23.5193.1030	- 10	5/8"	M30 x 2,0	- 30	20	46	51	36
P23.5193.1230	- 12	3/4"	M30 x 2,0	- 30	20	58	56	36
P23.5193.1236	- 12	3/4"	M36 x 2,0	- 36	25	56	60	46
P23.5193.1636	- 16	1"	M36 x 2,0	- 36	25	69	68	46
P23.5193.1642	- 16	1"	M42 x 2,0	- 42	30	69	69	50
P23.5193.2052	- 20	1.1/4"	M52 x 2,0	- 52	38	83	83	60

also available:

Balfit[®] Multicrimp Stainless Steel Metric 90° Swept Female DKO - S Heavy Type

(add an 'S' at the end of the part number; ex: P23.5193.0824 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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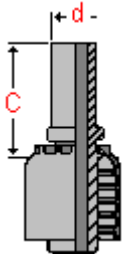
Balflex[®] – The European Technology

Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] Metric Straight Standpipe - P23.6000 one piece - non-skive

one piece carbon steel, metric straight standpipe fitting for crimping on high pressure hydraulic hoses



According to **DIN 2353**

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose	standpipe	standpipe dash	C Cut Off	d
		Ø	Ø			
		inch	mm		mm	mm
P23.6000.0306	- 3	3/16"	6	- 6	30	6
P23.6000.0308	- 3	3/16"	8	- 8	29	8
P23.6000.0406	- 4	1/4"	6	- 6	32	6
P23.6000.0408	- 4	1/4"	8	- 8	30	8
P23.6000.0410	- 4	1/4"	10	- 10	33	10
P23.6000.0412	- 4	1/4"	12	- 12	30	12
P23.6000.0510	- 5	5/16"	10	- 10	31	10
P23.6000.0512	- 5	5/16"	12	- 12	33	12
P23.6000.0610	- 6	3/8"	10	- 10	33	10
P23.6000.0612	- 6	3/8"	12	- 12	32	12
P23.6000.0614	- 6	3/8"	14	- 14	37	14
P23.6000.0615	- 6	3/8"	15	- 15	32	15
P23.6000.0815	- 8	1/2"	15	- 15	34	15
P23.6000.0816	- 8	1/2"	16	- 16	39	16
P23.6000.0818	- 8	1/2"	18	- 18	35	18
P23.6000.1018	- 10	5/8"	18	- 18	35	18
P23.6000.1020	- 10	5/8"	20	- 20	45	20
P23.6000.1022	- 10	5/8"	22	- 22	33	22
P23.6000.1220	- 12	3/4"	20	- 20	46	20
P23.6000.1222	- 12	3/4"	22	- 22	38	22
P23.6000.1225	- 12	3/4"	25	- 25	49	25
P23.6000.1625	- 16	1"	25	- 25	51	25
P23.6000.1628	- 16	1"	28	- 28	41	28
P23.6000.1630	- 16	1"	30	- 30	54	30
P23.6000.2035	- 20	1.1/4"	35	- 35	48	35
P23.6000.2038	- 20	1.1/4"	38	- 38	62	38
P23.6000.2438	- 24	1.1/2"	38	- 38	63	38
P23.6000.2442	- 24	1.1/2"	42	- 42	50	42

also available:

Balfit[®] Multicrimp Stainless Steel Metric Straight Standpipe

(add an 'S' at the end of the part number; ex: P23.6000.0612 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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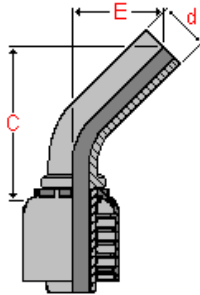
Balflex[®] – The European Technology



Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] Metric 45° Swept Standpipe - P23.6040 one piece - non-skive

one piece carbon steel, metric 45° Swept standpipe fitting for crimping on high pressure hydraulic hoses



According to **DIN 2353**

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose	standpipe Ø	standpipe	E	C Cut Off	d
		Ø		dash			
		inch	mm		mm	mm	mm
P23.6040.0306	- 3	3/16"	6	- 6	26	38	6
P23.6040.0308	- 3	3/16"	8	- 8	26	38	8
P23.6040.0406	- 4	1/4"	6	- 6	30	47	6
P23.6040.0408	- 4	1/4"	8	- 8	29	46	8
P23.6040.0410	- 4	1/4"	10	- 10	30	47	10
P23.6040.0412	- 4	1/4"	12	- 12	30	47	12
P23.6040.0510	- 5	5/16"	10	- 10	34	58	10
P23.6040.0512	- 5	5/16"	12	- 12	35	59	12
P23.6040.0610	- 6	3/8"	10	- 10	34	60	10
P23.6040.0612	- 6	3/8"	12	- 12	34	60	12
P23.6040.0614	- 6	3/8"	14	- 14	37	63	14
P23.6040.0615	- 6	3/8"	15	- 15	34	60	15
P23.6040.0815	- 8	1/2"	15	- 15	39	71	15
P23.6040.0816	- 8	1/2"	16	- 16	43	75	16
P23.6040.0818	- 8	1/2"	18	- 18	32	61	18
P23.6040.1018	- 10	5/8"	18	- 18	32	61	18
P23.6040.1020	- 10	5/8"	20	- 20	34	62	20
P23.6040.1022	- 10	5/8"	22	- 22	35	68	22
P23.6040.1220	- 12	3/4"	20	- 20	35	68	20
P23.6040.1222	- 12	3/4"	22	- 22	35	68	22
P23.6040.1225	- 12	3/4"	25	- 25	39	75	25
P23.6040.1625	- 16	1"	25	- 25	39	74	25
P23.6040.1628	- 16	1"	28	- 28	38	73	28
P23.6040.1630	- 16	1"	30	- 30	43	84	30
P23.6040.2035	- 20	1.1/4"	35	- 35	45	93	35
P23.6040.2038	- 20	1.1/4"	38	- 38	50	94	38
P23.6040.2438	- 24	1.1/2"	38	- 38	50	94	38
P23.6040.2442	- 24	1.1/2"	42	- 42	57	113	42

also available:

Balfit[®] Multicrimp Stainless Steel Metric 45° Swept Standpipe

(add an 'S' at the end of the part number; ex: P23.6040.0612 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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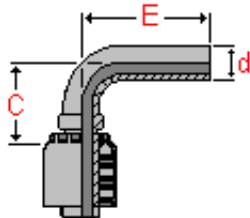
Balflex[®] – The European Technology

Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] Metric 90° Swept Standpipe - P23.6090 one piece - non-skive

one piece carbon steel, metric 90° Swept standpipe fitting for crimping on high pressure hydraulic hoses



According to **DIN 2353**

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose	standpipe	standpipe dash	E	C Cut Off	d
		Ø	Ø				
		inch	mm		mm	mm	mm
P23.6090.0306	- 3	3/16"	6	- 6	32	22	6
P23.6090.0308	- 3	3/16"	8	- 8	32	22	8
P23.6090.0406	- 4	1/4"	6	- 6	35	25	6
P23.6090.0408	- 4	1/4"	8	- 8	34	25	8
P23.6090.0410	- 4	1/4"	10	- 10	37	25	10
P23.6090.0412	- 4	1/4"	12	- 12	37	25	12
P23.6090.0510	- 5	5/16"	10	- 10	40	29	10
P23.6090.0512	- 5	5/16"	12	- 12	42	29	12
P23.6090.0610	- 6	3/8"	10	- 10	40	33	10
P23.6090.0612	- 6	3/8"	12	- 12	40	33	12
P23.6090.0614	- 6	3/8"	14	- 14	45	33	14
P23.6090.0615	- 6	3/8"	15	- 15	41	33	15
P23.6090.0815	- 8	1/2"	15	- 15	46	39	15
P23.6090.0816	- 8	1/2"	16	- 16	51	39	16
P23.6090.0818	- 8	1/2"	18	- 18	57	42	18
P23.6090.1018	- 10	5/8"	18	- 18	57	42	18
P23.6090.1020	- 10	5/8"	20	- 20	66	48	20
P23.6090.1022	- 10	5/8"	22	- 22	71	53	22
P23.6090.1220	- 12	3/4"	20	- 20	66	49	20
P23.6090.1222	- 12	3/4"	22	- 22	71	54	22
P23.6090.1225	- 12	3/4"	25	- 25	76	57	25
P23.6090.1625	- 16	1"	25	- 25	76	58	25
P23.6090.1628	- 16	1"	28	- 28	84	65	28
P23.6090.1630	- 16	1"	30	- 30	89	66	30
P23.6090.2035	- 20	1.1/4"	35	- 35	97	77	35
P23.6090.2038	- 20	1.1/4"	38	- 38	106	81	38
P23.6090.2438	- 24	1.1/2"	38	- 38	106	81	38
P23.6090.2442	- 24	1.1/2"	42	- 42	118	92	42

also available:

Balfit[®] Multicrimp Stainless Steel Metric 90° Swept Standpipe

(add an 'S' at the end of the part number; ex: P23.6090.0612 S)

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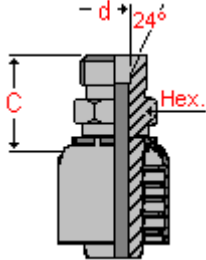
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Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] Metric French Male - P23.1200 – one piece - non-skive

one piece carbon steel, metric (French metric thread, 24° cone) male fitting for crimping on high pressure hydraulic hoses



Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose Ø	thread	thread dash	d - tube	C Cut Off	Hex.
		inch			mm	mm	mm
P23.1200.0520	- 5	5/16"	M20 x 1,5	- 20	13,25	26	22
P23.1200.0620	- 6	3/8"	M20 x 1,5	- 20	13,25	26	22
P23.1200.0824	- 8	1/2"	M24 x 1,5	- 24	16,75	27	24
P23.1200.1030	- 10	5/8"	M30 x 1,5	- 30	21,25	31	32
P23.1200.1230	- 12	3/4"	M30 x 1,5	- 30	21,25	32	32
P23.1200.1236	- 12	3/4"	M36 x 1,5	- 36	26,75	33	36
P23.1200.1645	- 16	1"	M45 x 1,5	- 45	33,5	38	46

also available:

Balfit[®] Multicrimp Stainless Steel Metric French Male

(add an 'S' at the end of the part number; ex: P23.1200.0620 S)

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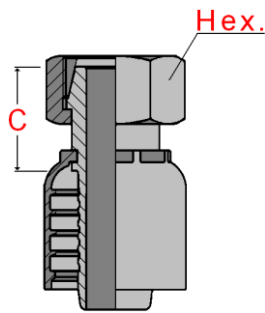
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Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] Metric French Female - P23.5513 one piece - non-skive

one piece carbon steel, metric (French metric thread, 24° cone) female fitting for crimping on high pressure hydraulic hoses



Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose	thread	thread dash	d - tube	C	Hex.
		Ø			mm	Cut Off	
		inch			mm	mm	mm
P23.5513.0520	- 5	5/16"	M20 x 1,5	- 20	13,25	20	24
P23.5513.0620	- 6	3/8"	M20 x 1,5	- 20	13,25	20	24
P23.5513.0824	- 8	1/2"	M24 x 1,5	- 24	16,75	27	30
P23.5513.1030	- 10	5/8"	M30 x 1,5	- 30	21,25	26	36
P23.5513.1230	- 12	3/4"	M30 x 1,5	- 30	21,25	26	36
P23.5513.1236	- 12	3/4"	M36 x 1,5	- 36	26,75	37	46
P23.5513.1645	- 16	1"	M45 x 1,5	- 45	33,5	30	55

also available:

Balfit[®] Multicrimp Stainless Steel Metric French Female

(add an 'S' at the end of the part number; ex: P23.5513.0620 S)

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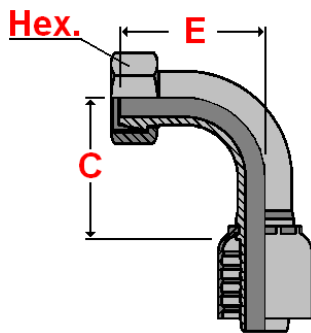
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Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] Metric French 90° Swept Female - P23.5593 one piece - non-skive

one piece carbon steel, metric (French metric thread, 24° cone) 90° Swept female fitting for crimping on high pressure hydraulic hoses



Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose Ø	thread	thread dash	d - tube	C Cut Off	E	Hex.
		inch			mm	mm	mm	mm
P23.5593.0520	- 5	5/16"	M20 x 1,5	- 20	13,25	29	35	24
P23.5593.0620	- 6	3/8"	M20 x 1,5	- 20	13,25	34	32	24
P23.5593.0824	- 8	1/2"	M24 x 1,5	- 24	16,75	42	37	30
P23.5593.1030	- 10	5/8"	M30 x 1,5	- 30	21,25	46	46	36
P23.5593.1236	- 12	3/4"	M36 x 1,5	- 36	26,75	58	51	46

also available:

Balfit[®] Multicrimp Stainless Steel Metric 90° Swept French Female

(add an 'S' at the end of the part number; ex: P23.5593.0620 S)

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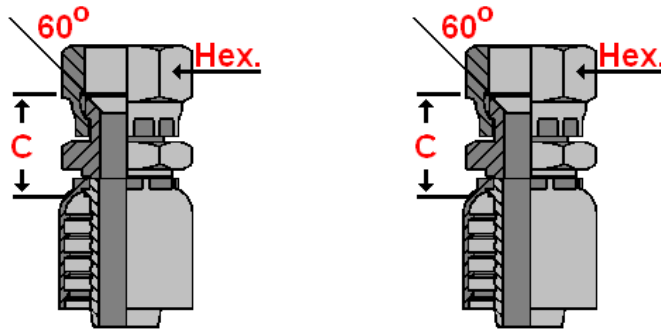
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Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] JIS Japanese 60° Cone Metric and Whitworth Females P23.5911 and P23.3712 – one piece - non-skive

one piece carbon steel JIS (60° cone) straight female fitting for crimping on high pressure hydraulic hoses



According to **JIS B 8363**

Material : carbon steel, zinc plated

Hoses : **Balflex[®]** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**

part number	part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
metric	whitworth		inch			mm	mm
P23.5911.0414		- 4	1/4"	M14 x 1,5	-14	21	19
P23.5911.0516		- 5	5/16"	M16 x 1,5	-16	24	17
P23.5911.0618		- 6	3/8"	M18 x 1,5	-18	25	24
P23.5911.0822		- 8	1/2"	M22 x 1,5	-22	26	27
P23.5911.1024		- 10	5/8"	M24 x 1,5	-24	28	30
P23.5911.1230		- 12	3/4"	M30 x 1,5	-30	28	36
P23.5911.1633		- 16	1"	M33 x 1,5	-33	32	41
P23.5911.2036		- 20	1.1/4"	M36 x 1,5	-36	33	36
P23.5911.2442		- 24	1.1/2"	M42 x 1,5	-42	40	50
	P23.3712.0404	- 4	1/4"	1/4" – 19	-4	21	19
	P23.3712.0606	- 6	3/8"	3/8" – 19	-6	24	22
	P23.3712.0808	- 8	1/2"	1/2" – 14	-8	27	27
	P23.3712.1212	- 12	3/4"	3/4" – 14	-12	32	29
	P23.3712.1616	- 16	1"	1" – 11	-16	33	38
	P23.3712.2020	- 20	1.1/4"	1.1/4" – 11	-20	43	50
	P23.3712.2424	- 24	1.1/2"	1.1/2" – 11	-24	38	55

also available:

Balfit[®] Multicrimp Stainless Steel JIS Japanese 60° Cone Metric and Whitworth Females

(add an 'S' at the end of the part number; ex: P23.5911.0618 S and P23.3712.0606 S)

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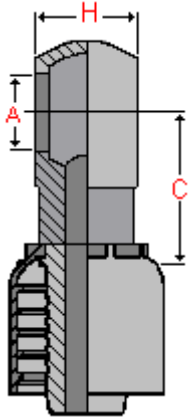
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Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] Metric Banjo - P23.6400 – one piece - non-skive

one piece carbon steel, metric Banjo fitting for crimping on high pressure hydraulic hoses



According to **DIN 7642** type **B**

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose	A	banjo dash		C	H
		Ø	bolt size			Cut Off	
		inch	mm			mm	mm
P23.6400.0310	- 3	3/16"	10	- 10		17	10
P23.6400.0410	- 4	1/4"	10	- 10		17	10
P23.6400.0412	- 4	1/4"	12	- 12		21	12
P23.6400.0414	- 4	1/4"	14	- 14		21	14
P23.6400.0416	- 4	1/4"	16	- 16		21	16
P23.6400.0514	- 5	5/16"	14	- 14		21	14
P23.6400.0516	- 5	5/16"	16	- 16		21	16
P23.6400.0518	- 5	5/16"	18	- 18		25	18
P23.6400.0614	- 6	3/8"	14	- 14		21	14
P23.6400.0616	- 6	3/8"	16	- 16		21	16
P23.6400.0618	- 6	3/8"	18	- 18		25	18
P23.6400.0622	- 6	3/8"	22	- 22		29	22
P23.6400.0816	- 8	1/2"	16	- 16		27	16
P23.6400.0818	- 8	1/2"	18	- 18		25	18
P23.6400.0822	- 8	1/2"	22	- 22		29	22
P23.6400.1022	- 10	5/8"	22	- 22		30	22
P23.6400.1026	- 10	5/8"	26	- 26		36	26
P23.6400.1226	- 12	3/4"	26	- 26		36	26
P23.6400.1630	- 16	1"	30	- 30		40	30

also available:

Balfit[®] Multicrimp Stainless Steel Metric Banjo

(add an 'S' at the end of the part number; ex: P23.6400.0616 S)

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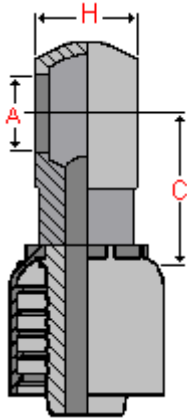
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Balfit[®] Multicrimp Hydraulic Hose Fitting



Balfit[®] BSP Banjo - P23.6500 – one piece - non-skive

one piece carbon steel, BSP Banjo fitting for crimping on high pressure hydraulic hoses



According to **BS 5200**

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hoses SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN

Balflex[®] 2 – MAX JACK

Balflex[®] Balpac compact hydraulic hoses SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC

part number	hose dash	hose	A	banjo dash		C	H
		Ø	bolt size			Cut Off	
		inch	inch			mm	mm
P23.6500.0302	- 3	3/16"	1/8"	- 2		18	10,2
P23.6500.0304	- 3	3/16"	1/4"	- 4		19	14
P23.6500.0404	- 4	1/4"	1/4"	- 4		19	14
P23.6500.0406	- 4	1/4"	3/8"	- 6		22	17
P23.6500.0504	- 5	5/16"	1/4"	- 4		20	14
P23.6500.0506	- 5	5/16"	3/8"	- 6		22	17
P23.6500.0604	- 6	3/8"	1/4"	- 4		20	14
P23.6500.0606	- 6	3/8"	3/8"	- 6		22	17
P23.6500.0608	- 6	3/8"	1/2"	- 8		28	23,6
P23.6500.0806	- 8	1/2"	3/8"	- 6		26	17
P23.6500.0808	- 8	1/2"	1/2"	- 8		28	23,6
P23.6500.1010	- 10	5/8"	5/8"	- 10		28	27
P23.6500.1212	- 12	3/4"	3/4"	- 12		32	29
P23.6500.1216	- 12	3/4"	1"	- 16		40	38
P23.6500.1616	- 16	1"	1"	- 16		41	38

also available:

Balfit[®] Multicrimp Stainless Steel BSP Banjo

(add an 'S' at the end of the part number; ex: P23.6500.0606 S)

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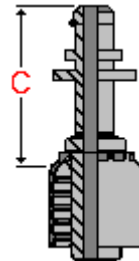
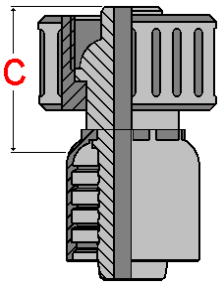
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Balfit[®] Multicrimp Hydraulic Hose Fitting

Balfit[®] Washing Machine Brass Fittings P23.6213 and P23.6214 one piece - non-skive

one piece brass fitting for crimping on high pressure hydraulic hoses



P23.6213

Brass Metric Female with Plastic Handle (Kaercher type)

P23.6214

Standpipe with O'Ring (Kaercher type)

Material : carbon steel, zinc plated

Hoses : **Balflex[®]** wire braid hydraulic hoses **SAE 100R1AT / SAE 100R2AT / DIN EN 853 1SN / 2SN**
Balflex[®] Balpac compact hydraulic hoses **SAE 100R16 / SAE 100R17 / DIN EN 857 1SC / 2SC**
Balflex[®] 2 – MAX JACK
Balflex[®] Balwash Compact Hoses

part number	part number	hose dash	hose Ø	thread	thread dash	standpipe Ø	C Cut Off
female	standpipe		inch			mm	mm
P23.6213.0422		- 4	1/4"	M22 x 1,5	- 22		31
P23.6213.0522		- 5	5/16"	M22 x 1,5	- 22		31
P23.6213.0622		- 6	3/8"	M22 x 1,5	- 22		31
	P23.6214.04	- 4	1/4"			10	33
	P23.6214.05	- 5	5/16"			10	34

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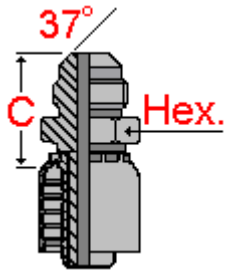
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Balfit® Multicrimp Spiral Hose Fittings



Balfit® Multicrimp Spiral JIC Male 37° P24.2000 / P12.2000 - one piece - non-skive

one piece carbon steel, JIC American thread, 37° flared male for crimping on very high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex® Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex® Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex® Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
P24.2000.0808	- 8	1/2"	3/4" – 16	- 8	32	22
P24.2000.0810	- 8	1/2"	7/8" – 14	- 10	35	24
P24.2000.1010	- 10	5/8"	7/8" – 14	- 10	35	24
P24.2000.1012	- 10	5/8"	1.1/16" – 12	- 12	40	27
P24.2000.1212	- 12	3/4"	1.1/16" – 12	- 12	40	27
P24.2000.1214	- 12	3/4"	1.3/16" – 12	- 14	41	32
P24.2000.1216	- 12	3/4"	1.5/16" – 12	- 16	42	36
P24.2000.1616	- 16	1"	1.5/16" – 12	- 16	43	36
P24.2000.2020	- 20	1.1/4"	1.5/8" – 12	- 20	49	46
P24.2000.2424	- 24	1.1/2"	1.7/8" – 12	- 24	54	50
P24.2000.3232	- 32	2"	2.1/2" – 12	- 32	72	65

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
P12.2000.2020	- 20	1.1/4"	1.5/8" – 12	- 20	49	46
P12.2000.2424	- 24	1.1/2"	1.7/8" – 12	- 24	54	50
P12.2000.3232	- 32	2"	2.1/2" – 12	- 32	72	65

also available:

Balfit® Stainless Steel Multicrimp Spiral JIC Male

(add an 'S' at the end of the part number; ex: P24.2000.0808 S or P12.2000.3232 S)

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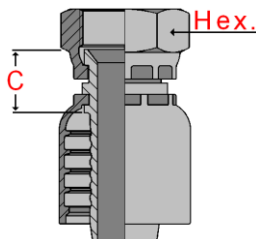
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Balfit[®] Multicrimp Spiral Hose Fittings

Balfit[®] Multicrimp Spiral JIC 37° Swivel Female P24.4012 / P12.4012 - one piece - non-skive

one piece carbon steel, JIC American thread, 37° flared female for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**
(see option P24.4H12.- for back hexagon)

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex[®] Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex[®] Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex[®] Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	thread	thread dash		C Cut Off	Hex.
		inch				mm	mm
P24.4012.0808	- 8	1/2"	3/4" – 16	- 8		18	24
P24.4012.0810	- 8	1/2"	7/8" – 14	- 10		19	27
P24.4012.1010	- 10	5/8"	7/8" – 14	- 10		20	27
P24.4012.1012	- 10	5/8"	1.1/16" – 12	- 12		21	32
P24.4012.1212	- 12	3/4"	1.1/16" – 12	- 12		21	32
P24.4012.1214	- 12	3/4"	1.3/16" – 12	- 14		21	36
P24.4012.1216	- 12	3/4"	1.5/16" – 12	- 16		22	41
P24.4012.1616	- 16	1"	1.5/16" – 12	- 16		23	41
P24.4012.2020	- 20	1.1/4"	1.5/8" – 12	- 20		26	50
P24.4012.2424	- 24	1.1/2"	1.7/8" – 12	- 24		27	55
P24.4012.3232	- 32	2"	2.1/2" – 12	- 32		27	70

part number	hose dash	hose Ø	thread	thread dash		C Cut Off	Hex.
		inch				mm	mm
P12.4012.2020	- 20	1.1/4"	1.5/8" – 12	- 20		26	50
P12.4012.2424	- 24	1.1/2"	1.7/8" – 12	- 24		27	55
P12.4012.3232	- 32	2"	2.1/2" – 12	- 32		27	70

also available:

Balfit[®] Stainless Steel Multicrimp Spiral JIC Female

(add an 'S' at the end of the part number; ex: P24.4012.0808 S or P12.4012.2424 S)

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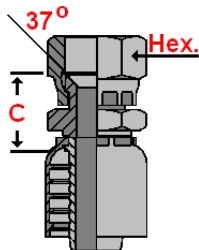
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Balfit[®] Multicrimp Spiral Hose Fittings



Balfit[®] Spiral JIC 37° Swivel Female with Back Hexagon P24.4H12 / P12.4H12 - one piece - non-skive

one piece carbon steel, JIC American thread, 37° flared female for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

Material : carbon steel, zinc plated

P24 Series for Hoses : **Balflex[®] Balmaster** hoses **SAE 100R9R / DIN EN 856 4SP**

Balflex[®] Balmaster hose **SAE 100R12 (1/2" to 1")**

P12 Series for Hoses : **Balflex[®] Balmaster** hose **SAE 100R12 (1.1/4" to 2")**

part number	hose dash	hose	thread	thread dash	C Cut Off	Hex.
		Ø				
		inch			mm	mm
P24.4H12.0808	- 8	1/2"	3/4" – 16	- 8	25	24
P24.4H12.0810	- 8	1/2"	7/8" – 14	- 10	29	27
P24.4H12.1010	- 10	5/8"	7/8" – 14	- 10	29	27
P24.4H12.1012	- 10	5/8"	1.1/16" – 12	- 12	32	32
P24.4H12.1212	- 12	3/4"	1.1/16" – 12	- 12	31	32
P24.4H12.1214	- 12	3/4"	1.3/16" – 12	- 14	33	36
P24.4H12.1216	- 12	3/4"	1.5/16" – 12	- 16	34	41
P24.4H12.1616	- 16	1"	1.5/16" – 12	- 16	35	41
P24.4H12.2020	- 20	1.1/4"	1.5/8" – 12	- 20	39	50
P24.4H12.2424	- 24	1.1/2"	1.7/8" – 12	- 24	41	55
P24.4H12.3232	- 32	2"	2.1/2" – 12	- 32	43	70

part number	hose dash	hose	thread	thread dash	C Cut Off	Hex.
		Ø				
		inch			mm	mm
P12.4H12.2020	- 20	1.1/4"	1.5/8" – 12	- 20	39	50
P12.4H12.2424	- 24	1.1/2"	1.7/8" – 12	- 24	41	55
P12.4H12.3232	- 32	2"	2.1/2" – 12	- 32	43	70

also available:

Balfit[®] Stainless Steel Multicrimp Spiral JIC Female with back hexagon

(add an 'S' at the end of the part number; ex: P24.4H12.0808 S or P12.4H12.2020 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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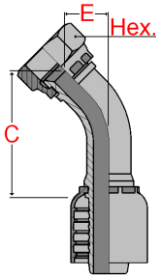
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Balfit[®] Multicrimp Spiral Hose Fittings

Balfit[®] Multicrimp Spiral JIC 37° - 45° Swept Swivel Female P24.4042 / P12.4042 - one piece - non-skive

one-piece carbon steel, JIC American thread, 37° flared 45° Swept for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

Material : carbon steel, zinc plated

P24 Series for Hoses : **Balflex[®] Balmaster** hoses SAE 100R9R / DIN EN 856 4SP

Balflex[®] Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : **Balflex[®] Balmaster** hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
P24.4042.0808	- 8	1/2"	3/4" - 16	- 8	65	22	24
P24.4042.0810	- 8	1/2"	7/8" - 14	- 10	64	23	27
P24.4042.1010	- 10	5/8"	7/8" - 14	- 10	68	24	27
P24.4042.1012	- 10	5/8"	1.1/16" - 12	- 12	70	25	32
P24.4042.1212	- 12	3/4"	1.1/16" - 12	- 12	84	28	32
P24.4042.1214	- 12	3/4"	1.3/16" - 12	- 14	56	53	36
P24.4042.1216	- 12	3/4"	1.5/16" - 12	- 16	88	30	41
P24.4042.1616	- 16	1"	1.5/16" - 12	- 16	104	33	41
P24.4042.2020	- 20	1.1/4"	1.5/8" - 12	- 20	104	45	50
P24.4042.2424	- 24	1.1/2"	1.7/8" - 12	- 24	140	49	55
P24.4042.3232	- 32	2"	2.1/2" - 12	- 32	170	68	70

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
P12.4042.2020	- 20	1.1/4"	1.5/8" - 12	- 20	104	45	50
P12.4042.2424	- 24	1.1/2"	1.7/8" - 12	- 24	140	49	55
P12.4042.3232	- 32	2"	2.1/2" - 12	- 32	170	68	70

also available:

Balfit[®] Stainless Steel Multicrimp Spiral 45° Swept JIC Female

(add an 'S' at the end of the part number; ex: P24.4042.0808 S or P12.4042.2020 S)

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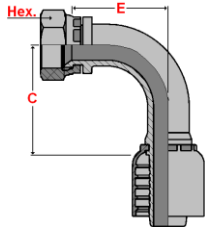
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Balfit® Multicrimp Spiral Hose Fittings



Balfit® Multicrimp Spiral JIC 37° - 90° Swept Swivel Female P24.4092 / P12.4092 - one piece - non-skive

one-piece carbon steel, JIC American thread, 37° flared 90° Swept for crimping on high pressure hydraulic hoses



According to ISO 12151-5 and ISO 8434-2 According to SAE J516 / SAE J514

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex® Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex® Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex® Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
P24.4092.0808	- 8	1/2"	3/4" - 16	- 8	39	42	24
P24.4092.0810	- 8	1/2"	7/8" - 14	- 10	44	47	27
P24.4092.1010	- 10	5/8"	7/8" - 14	- 10	46	46	27
P24.4092.1012	- 10	5/8"	1.1/16" - 12	- 12	45	49	32
P24.4092.1212	- 12	3/4"	1.1/16" - 12	- 12	56	54	32
P24.4092.1214	- 12	3/4"	1.3/16" - 12	- 14	58	58	36
P24.4092.1216	- 12	3/4"	1.5/16" - 12	- 16	63	62	41
P24.4092.1616	- 16	1"	1.5/16" - 12	- 16	73	71	41
P24.4092.2020	- 20	1.1/4"	1.5/8" - 12	- 20	85	88	50
P24.4092.2424	- 24	1.1/2"	1.7/8" - 12	- 24	99	101	55
P24.4092.3232	- 32	2"	2.1/2" - 12	- 32	125	124	70

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
P12.4092.2020	- 20	1.1/4"	1.5/8" - 12	- 20	85	88	50
P12.4092.2424	- 24	1.1/2"	1.7/8" - 12	- 24	99	101	55
P12.4092.3232	- 32	2"	2.1/2" - 12	- 32	125	124	70

also available:

Balfit® Stainless Steel Multicrimp Spiral 90° Swept JIC Female

(add an 'S' at the end of the part number; ex: P24.4092.1212 S or P12.4092.2424 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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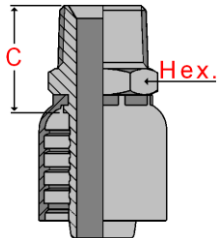
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Balfit[®] Multicrimp Spiral Hose Fittings

Balfit[®] Multicrimp Spiral NPT Male P24.0400 / P12.0400 - one piece - non-skive

one piece carbon steel, NPT (dry-seal taper thread) male fitting for crimping on high pressure hydraulic hoses



According to **SAE J516 / SAE J514**

Material : carbon steel, zinc plated

P24 Series for Hoses : **Balflex[®] Balmaster** hoses **SAE 100R9R / DIN EN 856 4SP**

Balflex[®] Balmaster hose **SAE 100R12 (1/2" to 1")**

P12 Series for Hoses : **Balflex[®] Balmaster** hose **SAE 100R12 (1.1/4" to 2")**

part number	hose dash	hose Ø	thread	thread dash		C Cut Off	Hex.
		inch				mm	mm
P24.0400.0808	- 8	1/2"	1/2" – 14	- 8		35	22
P24.0400.1212	- 12	3/4"	3/4" – 14	- 12		39	27
P24.0400.1616	- 16	1"	1" – 11.5	- 16		45	36
P24.0400.2020	- 20	1.1/4"	1.1/4" – 11.5	- 20		49	46
P24.0400.2424	- 24	1.1/2"	1.1/2" – 11.5	- 24		51	50
P24.0400.3232	- 32	2"	2" – 11.5	- 32		55	65

part number	hose dash	hose Ø	thread	thread dash		C Cut Off	Hex.
		inch				mm	mm
P12.0400.2020	- 20	1.1/4"	1.1/4" – 11.5	- 20		49	46
P12.0400.2424	- 24	1.1/2"	1.1/2" – 11.5	- 24		51	50
P12.0400.3232	- 32	2"	2" – 11.5	- 32		55	65

also available:

Balfit[®] Stainless Steel Multicrimp Spiral NPT Male

(add an 'S' at the end of the part number; ex: P24.0400.0808 S or P12.0400.2020 S)

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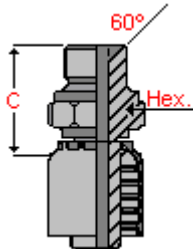
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Balfit[®] Multicrimp Spiral Hose Fittings



Balfit[®] Multicrimp Spiral BSP Male P24.0100 / P12.0100 - one piece - non-skive

one piece carbon steel, BSP (British thread 60° cone) male fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex[®] Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex[®] Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex[®] Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
P24.0100.0808	- 8	1/2"	1/2" – 14	- 8	29	27
P24.0100.1010	- 10	5/8"	5/8" – 14	- 10	32	30
P24.0100.1212	- 12	3/4"	3/4" – 14	- 12	34	32
P24.0100.1616	- 16	1"	1" – 11	- 16	39	41
P24.0100.2020	- 20	1.1/4"	1.1/4" – 11	- 20	45	46
P24.0100.2424	- 24	1.1/2"	1.1/2" – 11	- 24	45	55
P24.0100.3232	- 32	2"	2" – 11	- 32	52	70

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	Hex.
		inch				
P12.0100.2020	- 20	1.1/4"	1.1/4" – 11	- 20	45	46
P12.0100.2424	- 24	1.1/2"	1.1/2" – 11	- 24	45	55
P12.0100.3232	- 32	2"	2" – 11	- 32	52	70

also available:

Balfit[®] Stainless Steel Multicrimp Spiral BSP Male

(add an 'S' at the end of the part number; ex: P24.0100.1212 S or P12.0100.2424 S)

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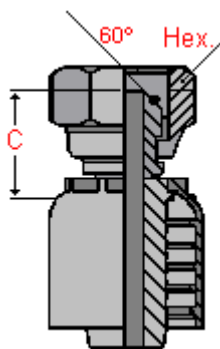
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Balfit[®] Multicrimp Spiral Hose Fittings

Balfit[®] Multicrimp Spiral BSP O'ring Swivel Female P24.3112 / P12.3112 - one piece - non-skive

one piece carbon steel, BSP (British thread 60° cone with O-ring) female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex[®] Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex[®] Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex[®] Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	thread	thread dash		C Cut Off	Hex.
		inch				mm	mm
P24.3112.0808	- 8	1/2"	1/2" - 14	- 8		22	27
P24.3112.1010	- 10	5/8"	5/8" - 14	- 10		23	30
P24.3112.1212	- 12	3/4"	3/4" - 14	- 12		24	32
P24.3112.1616	- 16	1"	1" - 11	- 16		27	41
P24.3112.2020	- 20	1.1/4"	1.1/4" - 11	- 20		31	50
P24.3112.2424	- 24	1.1/2"	1.1/2" - 11	- 24		32	55
P24.3112.3232	- 32	2"	2" - 11	- 32		34	70

part number	hose dash	hose Ø	thread	thread dash		C Cut Off	Hex.
		inch				mm	mm
P12.3112.2020	- 20	1.1/4"	1.1/4" - 11	- 20		31	50
P12.3112.2424	- 24	1.1/2"	1.1/2" - 11	- 24		32	55
P12.3112.3232	- 32	2"	2" - 11	- 32		34	70

also available:

Balfit[®] Stainless Steel Multicrimp Spiral BSP O'ring Female

(add an 'S' at the end of the part number; ex: P24.3112.0808 S or P12.3112.2020 S)

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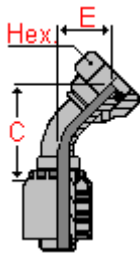
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Balfit® Multicrimp Spiral Hose Fittings



Balfit® Multicrimp Spiral BSP 45° Swept O'ring Swivel Female P24.3142 / P12.3142 - one piece - non-skive

one-piece carbon steel, BSP (British thread 60° cone with O-ring) 45° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex® Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex® Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex® Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
P24.3142.0808	- 8	1/2"	1/2" - 14	- 8	67	24	27
P24.3142.1010	- 10	5/8"	5/8" - 14	- 10	68	23	30
P24.3142.1212	- 12	3/4"	3/4" - 14	- 12	86	30	32
P24.3142.1616	- 16	1"	1" - 11	- 16	107	35	41
P24.3142.2020	- 20	1.1/4"	1.1/4" - 11	- 20	129	40	50
P24.3142.2424	- 24	1.1/2"	1.1/2" - 11	- 24	221	47	55
P24.3142.3232	- 32	2"	2" - 11	- 32	196	70	70

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
P12.3142.2020	- 20	1.1/4"	1.1/4" - 11	- 20	129	40	50
P12.3142.2424	- 24	1.1/2"	1.1/2" - 11	- 24	221	47	55
P12.3142.3232	- 32	2"	2" - 11	- 32	196	70	70

also available:

Balfit® Stainless Steel Multicrimp Spiral BSP 45° Swept O'ring Female

(add an 'S' at the end of the part number; ex:P24.3142.0808 S or P12.3142.0808 S)

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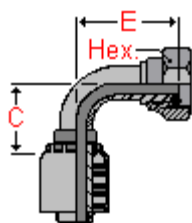
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Balfit[®] Multicrimp Hose Fittings

Balfit[®] Multicrimp Spiral BSP 90° Swept O'ring Swivel Female P24.3192 / P12.3192 - one piece - non-skive

one-piece carbon steel, BSP (British thread 60° cone with O-ring) 90° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO WD 12151-6.2** and **ISO WD 8434-6.2** According to **BS 5200**

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex[®] Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex[®] Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex[®] Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
P24.3192.0808	- 8	1/2"	1/2" - 14	- 8	45	44	27
P24.3192.1010	- 10	5/8"	5/8" - 14	- 10	50	45	30
P24.3192.1212	- 12	3/4"	3/4" - 14	- 12	56	57	32
P24.3192.1616	- 16	1"	1" - 11	- 16	74	73	41
P24.3192.2020	- 20	1.1/4"	1.1/4" - 11	- 20	90	92	50
P24.3192.2424	- 24	1.1/2"	1.1/2" - 11	- 24	99	100	55
P24.3192.3232	- 32	2"	2" - 11	- 32	129	130	70

part number	hose dash	hose Ø	thread	thread dash	C Cut Off	E	Hex.
		inch			mm	mm	mm
P12.3192.2020	- 20	1.1/4"	1.1/4" - 11	- 20	90	92	50
P12.3192.2424	- 24	1.1/2"	1.1/2" - 11	- 24	99	100	55
P12.3192.3232	- 32	2"	2" - 11	- 32	129	130	70

also available:

Balfit[®] Stainless Steel Multicrimp Spiral BSP 90° Swept O'ring Female

(add an 'S' at the end of the part number; ex: P24.3192.1212 S or P12.3192.2020 S)

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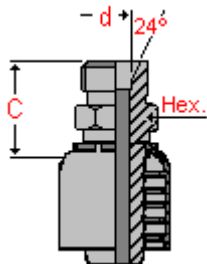
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Balfit[®] Multicrimp Spiral Hose Fittings



Balfit[®] Multicrimp Spiral Metric Male CES Heavy Type P24.1100 / P12.1100 - one piece - non-skive

one piece carbon steel, heavy metric (metric thread, 24° cone) male fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3861** series **S**

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex[®] Balmaster hoses **SAE 100R9R / DIN EN 856 4SP**

Balflex[®] Balmaster hose **SAE 100R12 (1/2" to 1")**

P12 Series for Hoses : Balflex[®] Balmaster hose **SAE 100R12 (1.1/4" to 2")**

part number	hose dash	hose Ø	thread	thread dash	d - tube	C Cut Off	Hex.
		inch					
P24.1100.0824	- 8	1/2"	M24 x 1,5	- 24	16	32	27
P24.1100.1030	- 10	5/8"	M30 x 2,0	- 30	20	36	32
P24.1100.1236	- 12	3/4"	M36 x 2,0	- 36	25	40	41
P24.1100.1642	- 16	1"	M42 x 2,0	- 42	30	40	46
P24.1100.2052	- 20	1.1/4"	M52 x 2,0	- 52	38	49	55

part number	hose dash	hose Ø	thread	thread dash	d - tube	C Cut Off	Hex.
		inch					
P12.1100.2052	- 20	1.1/4"	M52 x 2,0	- 52	38	49	55

also available:

Balfit[®] Stainless Steel Multicrimp Spiral Metric Male CES Heavy Type

(add an 'S' at the end of the part number; ex: P24.1100.0824 S or P12.1100.2052 S)

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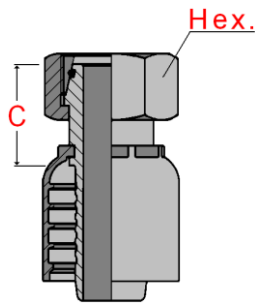
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Balfit[®] Multicrimp Hose Fittings

Balfit[®] Multicrimp Spiral Metric Female DKO - S Heavy Type P24.5113 / P12.5113 - one piece - non-skive

one piece carbon steel, heavy metric (metric thread, 24° cone with O'Ring) female fitting for crimping on high pressure hydraulic hoses



According to ISO 12151-2 and ISO 8434-1 According to DIN 3865 series S

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex[®] Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex[®] Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex[®] Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	Hex.
		inch			mm	mm	mm
P24.5113.0824	- 8	1/2"	M24 x 1,5	- 24	16	27	30
P24.5113.1030	- 10	5/8"	M30 x 2,0	- 30	20	34	36
P24.5113.1236	- 12	3/4"	M36 x 2,0	- 36	25	31	46
P24.5113.1642	- 16	1"	M42 x 2,0	- 42	30	36	50
P24.5113.2052	- 20	1.1/4"	M52 x 2,0	- 52	38	36	60

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	Hex.
		inch			mm	mm	mm
P12.5113.2052	- 20	1.1/4"	M52 x 2,0	- 52	38	36	60

also available:

Balfit[®] Stainless Steel Multicrimp Spiral Metric Female DKO - S Heavy Type

(add an 'S' at the end of the part number; ex: P24.5113.0824 S or P12.5113.2052 S)

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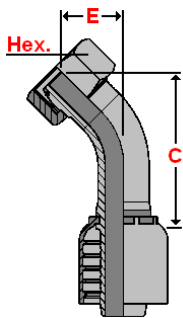
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Balfit[®] Multicrimp Spiral Hose Fittings



Balfit[®] Multicrimp Spiral Metric 45° Swept Female DKO - S Heavy Type – P24.5143 / P12.5143 - one piece - non-skive

one piece carbon steel, heavy metric (metric thread, 24° cone with O'Ring) 45° swept female fitting for crimping on high pressure hydraulic hoses



According to **ISO 12151-2** and **ISO 8434-1** According to **DIN 3865** series **S**

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex[®] Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex[®] Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex[®] Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	E	Hex.
		inch			mm	mm	mm	mm
P24.5143.0824	- 8	1/2"	M24 x 1,5	- 24	16	53	27	30
P24.5143.1030	- 10	5/8"	M30 x 2,0	- 30	20	75	31	36
P24.5143.1236	- 12	3/4"	M36 x 2,0	- 36	25	80	33	46
P24.5143.1642	- 16	1"	M42 x 2,0	- 42	30	90	41	50
P24.5143.2052	- 20	1.1/4"	M52 x 2,0	- 52	38	130	41	60

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	E	Hex.
		inch			mm	mm	mm	mm
P12.5143.2052	- 20	1.1/4"	M52 x 2,0	- 52	38	130	41	60

also available:

Balfit[®] Stainless Steel Multicrimp Spiral Metric 45° swept Female DKO - S Heavy Type

(add an 'S' at the end of the part number; ex: P24.5143.0824 S or P12.5143.2052 S)

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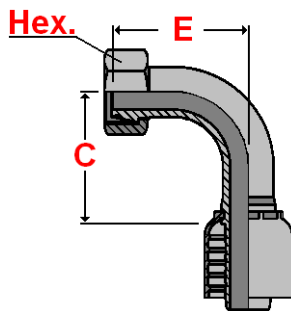
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Balfit[®] Hydraulic Spiral Hose Fittings

Balfit[®] Spiral Metric 90° Swept Female DKO - S Heavy Type – P24.5193 / P12.5193 - one piece - non-skive

one piece carbon steel, heavy metric (metric thread, 24° cone with O'Ring) 90° swept female fitting for crimping on high pressure hydraulic hoses



According to ISO 12151-2 and ISO 8434-1 According to DIN 3865 series S

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex[®] Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex[®] Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex[®] Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	E	Hex.
		inch			mm	mm	mm	mm
P24.5193.0824	- 8	1/2"	M24 x 1,5	- 24	16	42	44	30
P24.5193.1030	- 10	5/8"	M30 x 2,0	- 30	20	46	51	36
P24.5193.1236	- 12	3/4"	M36 x 2,0	- 36	25	56	60	46
P24.5193.1642	- 16	1"	M42 x 2,0	- 42	30	69	69	50
P24.5193.2052	- 20	1.1/4"	M52 x 2,0	- 52	38	83	83	60

part number	hose dash	hose Ø	thread	thread dash	tube	C Cut Off	E	Hex.
		inch			mm	mm	mm	mm
P12.5193.2052	- 20	1.1/4"	M52 x 2,0	- 52	38	83	83	60

also available:

Balfit[®] Stainless Steel Multicrimp Spiral Metric 90° Swept Female DKO - S Heavy Type

(add an 'S' at the end of the part number; ex: P24.5193.0824 S or P12.5193.2052 S)

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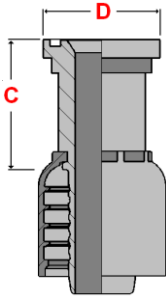
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Balfit® Multicrimp Spiral Hose Fittings



Balfit® Multicrimp Spiral Straight SAE 3000 PSI (code 61) Flange P24.7013 / P12.7013 - one piece - non-skive

one-piece carbon steel (code 61) flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex® **Balmaster** hoses SAE 100R9R / DIN EN 856 4SP
Balflex® **Balmaster** hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex® **Balmaster** hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose	Flange size	flange	D	C
		Ø		dash	Ø Flange	
		inch	inch		mm	mm
P24.7013.0808	- 8	1/2"	1/2"	- 8	30,2	46
P24.7013.0812	- 8	1/2"	3/4"	- 12	38,1	47
P24.7013.1010 (a)	- 10	5/8"	5/8"	- 10	34,0	50
P24.7013.1012	- 10	5/8"	3/4"	- 12	38,1	50
P24.7013.1212	- 12	3/4"	3/4"	- 12	38,1	48
P24.7013.1216	- 12	3/4"	1"	- 16	44,5	51
P24.7013.1616	- 16	1"	1"	- 16	44,5	52
P24.7013.1620	- 16	1"	1.1/4"	- 20	50,8	57
P24.7013.2020	- 20	1.1/4"	1.1/4"	- 20	50,8	58
P24.7013.2024	- 20	1.1/4"	1.1/2"	- 24	60,3	68
P24.7013.2424	- 24	1.1/2"	1.1/2"	- 24	60,3	68
P24.7013.2432	- 24	1.1/2"	2"	- 32	71,4	71
P24.7013.3232	- 32	2"	2"	- 32	71,4	71

(a) Japanese flange, size according to **JIS** standards; not included in **SAE J518**

part number	hose dash	hose	Flange size	flange	D	C
		Ø		dash	Ø Flange	
		inch	inch		mm	mm
P12.7013.2020	- 20	1.1/4"	1.1/4"	- 20	50,8	58
P12.7013.2020	- 20	1.1/4"	1.1/2"	- 24	60,3	68
P12.7013.2424	- 24	1.1/2"	1.1/2"	- 24	60,3	68
P12.7013.2432	- 24	1.1/2"	2"	- 32	71,4	71
P12.7013.3232	- 32	2"	2"	- 32	71,4	71

also available:

Balfit® Stainless Steel Multicrimp Spiral Straight SAE 3000 PSI (code 61) Flange

(add an 'S' at the end of the part number; ex: P24.7013.1212 S or P12.7013.2424 S)

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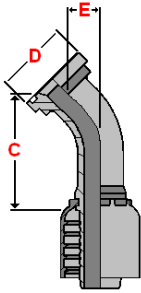
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Balfit[®] Multicrimp Spiral Hose Fittings

Balfit[®] Multicrimp Spiral 45° Swept SAE 3000 PSI (code 61) Flange – P24.7043 / P12.7043 - one piece - non-skive

one-piece carbon steel (code 61) 45° swept flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex[®] Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex[®] Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex[®] Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose	Flange size	flange	D	C	E
		Ø	inch	dash	Ø Flange	Cut Off	
		inch	inch		mm	mm	mm
P24.7043.0808	- 8	1/2"	1/2"	- 8	30,2	62	22
P24.7043.0812	- 8	1/2"	3/4"	- 12	38,1	68	25
P24.7043.1010 (a)	- 10	5/8"	5/8"	- 10	34,0	68	24
P24.7043.1012	- 10	5/8"	3/4"	- 12	38,1	68	24
P24.7043.1212	- 12	3/4"	3/4"	- 12	38,1	68	24
P24.7043.1216	- 12	3/4"	1"	- 16	44,5	88	30
P24.7043.1616	- 16	1"	1"	- 16	44,5	104	33
P24.7043.1620	- 16	1"	1.1/4"	- 20	50,8	108	37
P24.7043.2020	- 20	1.1/4"	1.1/4"	- 20	50,8	125	38
P24.7043.2024	- 20	1.1/4"	1.1/2"	- 24	60,3	129	39
P24.7043.2424	- 24	1.1/2"	1.1/2"	- 24	60,3	146	50
P24.7043.2432	- 24	1.1/2"	2"	- 32	71,4	176	58
P24.7043.3232	- 32	2"	2"	- 32	71,4	176	58

(a) Japanese flange, size according to **JIS** standards; not included in **SAE J518**

part number	hose dash	hose	Flange size	flange	D	C	E
		Ø	inch	dash	Ø Flange	Cut Off	
		inch	inch		mm	mm	mm
P12.7043.2020	- 20	1.1/4"	1.1/4"	- 20	50,8	125	38
P12.7043.2024	- 20	1.1/4"	1.1/2"	- 24	60,3	129	39
P12.7043.2424	- 24	1.1/2"	1.1/2"	- 24	60,3	146	50
P12.7043.2432	- 24	1.1/2"	2"	- 32	71,4	176	58
P12.7043.3232	- 32	2"	2"	- 32	71,4	176	58

also available:

Balfit[®] Stainless Steel Multispiral Spiral 45° Swept SAE 3000 PSI (code 61) Flange

(add an 'S' at the end of the part number; ex: P24.7043.1212 S or P12.7043.2020 S)

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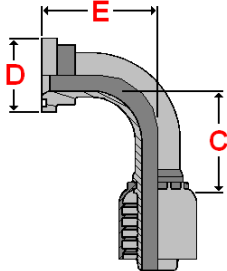
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Balfit® Multicrimp Spiral Hose Fittings



Balfit® Multicrimp Spiral 90° Swept SAE 3000 PSI (code 61) Flange – P24.7093 / P12.7093 - one piece - non-skive

one-piece carbon steel (code 61) 90° swept flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex® **Balmaster** hoses **SAE 100R9R / DIN EN 856 4SP**

Balflex® **Balmaster** hose **SAE 100R12 (1/2" to 1")**

P12 Series for Hoses : Balflex® **Balmaster** hose **SAE 100R12 (1.1/4" to 2")**

part number	hose dash	hose Ø	Flange size	flange dash	D	C	E
		inch	inch		Ø Flange	Cut Off	
P24.7093.0808	- 8	1/2"	1/2"	- 8	30,2	39	39
P24.7093.0812	- 8	1/2"	3/4"	- 12	38,1	39	44
P24.7093.1010 (a)	- 10	5/8"	5/8"	- 10	34,0	53	52
P24.7093.1012	- 10	5/8"	3/4"	- 12	38,1	53	53
P24.7093.1212	- 12	3/4"	3/4"	- 12	38,1	56	53
P24.7093.1216	- 12	3/4"	1"	- 16	44,5	58	58
P24.7093.1616	- 16	1"	1"	- 16	44,5	70	65
P24.7093.1620	- 16	1"	1.1/4"	- 20	50,8	70	70
P24.7093.2020	- 20	1.1/4"	1.1/4"	- 20	50,8	85	81
P24.7093.2024	- 20	1.1/4"	1.1/2"	- 24	60,3	85	85
P24.7093.2424	- 24	1.1/2"	1.1/2"	- 24	60,3	99	92
P24.7093.2432	- 24	1.1/2"	2"	- 32	71,4	99	92
P24.7093.3232	- 32	2"	2"	- 32	71,4	123	121

(a) Japanese flange, size according to **JIS** standards; not included in **SAE J518**

part number	hose dash	hose Ø	Flange size	flange dash	D	C	E
		inch	inch		Ø Flange	Cut Off	
P12.7093.2020	- 20	1.1/4"	1.1/4"	- 20	50,8	85	81
P12.7093.2024	- 20	1.1/4"	1.1/2"	- 24	60,3	85	85
P12.7093.2424	- 24	1.1/2"	1.1/2"	- 24	60,3	99	92
P12.7093.2432	- 24	1.1/2"	2"	- 32	71,4	99	92
P12.7093.3232	- 32	2"	2"	- 32	71,4	123	121

also available:

Balfit® Stainless Steel Multicrimp Spiral 90° Swept SAE 3000 PSI (code 61) Flange

(add an 'S' at the end of the part number; ex: P24.7093.1212 S or P12.7093.2020 S)

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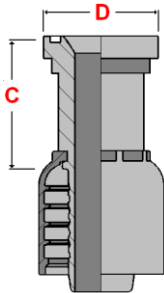
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Balfit[®] Multicrimp Spiral Hose Fittings

Balfit[®] Multicrimp Spiral Straight SAE 6000 PSI (code 62) Flange P24.7016 / P12.7016 - one piece - non-skive

one-piece carbon steel (code 62) flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex[®] Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex[®] Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex[®] Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose	Flange size	flange	D	C
		Ø		dash		
		inch	inch		mm	mm
P24.7016.0808	- 8	1/2"	1/2"	- 8	31,7	46
P24.7016.0812	- 8	1/2"	3/4"	- 12	41,3	53
P24.7016.1012	- 10	5/8"	3/4"	- 12	41,3	51
P24.7016.1212	- 12	3/4"	3/4"	- 12	41,3	54
P24.7016.1216	- 12	3/4"	1"	- 16	47,6	60
P24.7016.1616	- 16	1"	1"	- 16	47,6	61
P24.7016.1620	- 16	1"	1.1/4"	- 20	54,0	68
P24.7016.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	70
P24.7016.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	76
P24.7016.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	76
P24.7016.2432	- 24	1.1/2"	2"	- 32	79,4	85
P24.7016.3232	- 32	2"	2"	- 32	79,4	85

part number	hose dash	hose	Flange size	flange	D	C
		Ø		dash		
		inch	inch		mm	mm
P12.7016.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	70
P12.7016.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	76
P12.7016.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	76
P12.7016.2432	- 24	1.1/2"	2"	- 32	79,4	85
P12.7016.3232	- 32	2"	2"	- 32	79,4	85

also available:

Balfit[®] Stainless Steel Multicrimp Spiral Straight SAE 6000 PSI (code 62) Flange

(add an 'S' at the end of the part number; ex: P24.7016.1212 S or P12.7016.2020 S)

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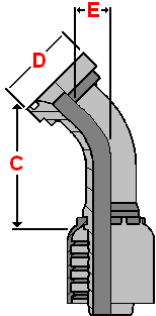
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Balfit® Multicrimp Spiral Hose Fittings



Balfit® Multicrimp Spiral 45° Swept SAE 6000 PSI (code 62) Flange – P24.7046 / P12.7046 - one piece - non-skive

one-piece carbon steel (code 62) 45° swept flanged fitting for crimping on high pressure hydraulic hoses



According to ISO 6162 and ISO 12151-3 According to SAE J516 and SAE J518

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex® Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex® Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex® Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	Flange size	flange dash	D	C	E
		inch	inch		Ø Flange	Cut Off	
P24.7046.0808	- 8	1/2"	1/2"	- 8	31,7	59	22
P24.7046.0812	- 8	1/2"	3/4"	- 12	41,3	71	28
P24.7046.1012	- 10	5/8"	3/4"	- 12	41,3	75	28
P24.7046.1212	- 12	3/4"	3/4"	- 12	41,3	75	28
P24.7046.1216	- 12	3/4"	1"	- 16	47,6	90	32
P24.7046.1616	- 16	1"	1"	- 16	47,6	88	35
P24.7046.1620	- 16	1"	1.1/4"	- 20	54,0	92	37
P24.7046.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	102	42
P24.7046.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	133	57
P24.7046.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	120	57
P24.7046.2432	- 24	1.1/2"	2"	- 32	79,4	163	66
P24.7046.3232	- 32	2"	2"	- 32	79,4	150	66

part number	hose dash	hose Ø	Flange size	flange dash	D	C	E
		inch	inch		Ø Flange	Cut Off	
P12.7046.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	102	42
P12.7046.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	133	57
P12.7046.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	120	57
P12.7046.2432	- 24	1.1/2"	2"	- 32	79,4	163	66
P12.7046.3232	- 32	2"	2"	- 32	79,4	150	66

also available:

Balfit® Stainless Steel Multicrimp Spiral 45° Swept SAE 6000 PSI (code 62) Flange

(add an 'S' at the end of the part number; ex: P24.7046.1212 S or P12.7046.2424 S)

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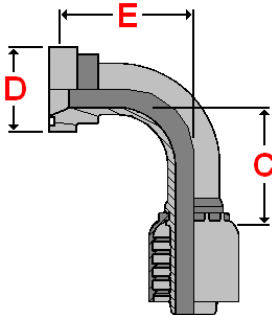
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Balfit[®] Multicrimp Spiral Hose Fittings

Balfit[®] Multicrimp Spiral 90° Swept SAE 6000 PSI (code 62) Flange – P24.7096 / P12.7096 - one piece - non-skive

one-piece carbon steel (code 62) 90° swept flanged fitting for crimping on high pressure hydraulic hoses



According to ISO 6162 and ISO 12151-3 According to SAE J516 and SAE J518

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex[®] Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex[®] Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex[®] Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	Flange size	flange dash	D Ø Flange	C Cut Off	E
		inch	inch		mm	mm	mm
P24.7096.0808	- 8	1/2"	1/2"	- 8	31,7	42	44
P24.7096.0812	- 8	1/2"	3/4"	- 12	41,3	39	48
P24.7096.1012	- 10	5/8"	3/4"	- 12	41,3	55	57
P24.7096.1212	- 12	3/4"	3/4"	- 12	41,3	57	57
P24.7096.1216	- 12	3/4"	1"	- 16	47,6	57	63
P24.7096.1616	- 16	1"	1"	- 16	47,6	70	70
P24.7096.1620	- 16	1"	1.1/4"	- 20	54,0	76	77
P24.7096.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	85	88
P24.7096.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	85	96
P24.7096.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	99	104
P24.7096.2432	- 24	1.1/2"	2"	- 32	79,4	99	116
P24.7096.3232	- 32	2"	2"	- 32	79,4	125	136

part number	hose dash	hose Ø	Flange size	flange dash	D Ø Flange	C Cut Off	E
		inch	inch		mm	mm	mm
P12.7096.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	85	88
P12.7096.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	85	96
P12.7096.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	99	104
P12.7096.2432	- 24	1.1/2"	2"	- 32	79,4	99	116
P12.7096.3232	- 32	2"	2"	- 32	79,4	125	136

also available:

Balfit[®] Stainless Steel Multicrimp Spiral 90° Swept SAE 6000 PSI (code 62) Flange

(add an 'S' at the end of the part number; ex: P24.7096.1212 S or P12.7096.3232 S)

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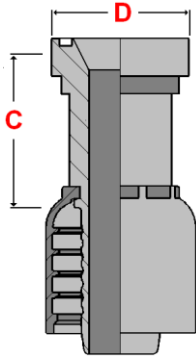
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Balfit® Multicrimp Spiral Hose Fittings



Balfit® Multicrimp Spiral Straight SUPERCAT Flange P24.7116 / P12.7116 - one piece - non-skive

one-piece carbon steel Supercat flanged fitting for crimping on high pressure hydraulic hoses



According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex® Balmaster hoses SAE 100R9R / DIN EN 856 4SP

Balflex® Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex® Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	Flange size	flange dash	D Ø Flange	C Cut Off
		inch	inch		mm	mm
P24.7116.1212	- 12	3/4"	3/4"	- 12	41,3	58
P24.7116.1216	- 12	3/4"	1"	- 16	47,6	64
P24.7116.1616	- 16	1"	1"	- 16	47,6	65
P24.7116.1620	- 16	1"	1.1/4"	- 20	54,0	73
P24.7116.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	74
P24.7116.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	78
P24.7116.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	80
P24.7116.2432	- 24	1.1/2"	2"	- 32	79,4	68
P24.7116.3232	- 32	2"	2"	- 32	79,4	76

part number	hose dash	hose Ø	Flange size	flange dash	D Ø Flange	C Cut Off
		inch	inch		mm	mm
P12.7116.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	74
P12.7116.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	78
P12.7116.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	80
P12.7116.2432	- 24	1.1/2"	2"	- 32	79,4	68
P12.7116.3232	- 32	2"	2"	- 32	79,4	76

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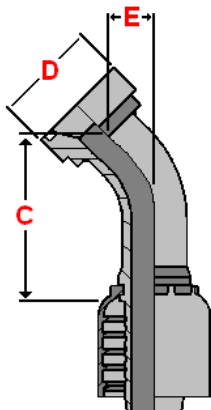
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Balfit[®] Multicrimp Spiral Hose Fittings

Balfit[®] Spiral 45° Swept SUPERCAT Flange P24.7146 / P12.7146 - one piece - non-skive

one-piece carbon steel Supercat 45° swept flanged fitting for crimping on high pressure hydraulic hoses



According to **ISO 6162** and **ISO 12151-3** According to **SAE J516** and **SAE J518**

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex[®] **Balmaster** hoses **SAE 100R9R / DIN EN 856 4SP**
Balflex[®] **Balmaster** hose **SAE 100R12 (1/2" to 1")**

P12 Series for Hoses : Balflex[®] **Balmaster** hose **SAE 100R12 (1.1/4" to 2")**

part number	hose dash	hose Ø	Flange size	flange dash	D	C	E
		inch	inch		Ø Flange	Cut Off	
P24.7146.1212	- 12	3/4"	3/4"	- 12	41,3	88	32
P24.7146.1216	- 12	3/4"	1"	- 16	47,6	93	37
P24.7146.1616	- 16	1"	1"	- 16	47,6	115	42
P24.7146.1620	- 16	1"	1.1/4"	- 20	54,0	115	46
P24.7146.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	131	53
P24.7146.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	136	57
P24.7146.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	154	58
P24.7146.2432	- 24	1.1/2"	2"	- 32	79,4	146	58
P24.7146.3232	- 32	2"	2"	- 32	79,4	184	58

part number	hose dash	hose Ø	Flange size	flange dash	D	C	E
		inch	inch		Ø Flange	Cut Off	
P12.7146.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	131	53
P12.7146.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	136	57
P12.7146.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	154	58
P12.7146.2432	- 24	1.1/2"	2"	- 32	79,4	146	58
P12.7146.3232	- 32	2"	2"	- 32	79,4	184	58

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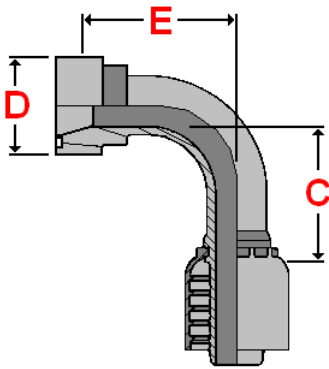
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Balfit® Multicrimp Spiral Hose Fittings



Balfit® Spiral 90° Swept SUPERCAT Flange P24.7196 / P12.7196 - one piece - non-skive

one-piece carbon steel Supercat 90° swept flanged fitting for crimping on high pressure hydraulic hoses



According to ISO 6162 and ISO 12151-3 According to SAE J516 and SAE J518

Material : carbon steel, zinc plated

P24 Series for Hoses : Balflex® Balmaster hoses SAE 100R9R / DIN EN 856 4SP
Balflex® Balmaster hose SAE 100R12 (1/2" to 1")

P12 Series for Hoses : Balflex® Balmaster hose SAE 100R12 (1.1/4" to 2")

part number	hose dash	hose Ø	Flange size	flange dash	D	C	E
		inch	inch		Ø Flange	Cut Off	
		mm		mm		mm	mm
P24.7196.1212	- 12	3/4"	3/4"	- 12	41,3	56	60
P24.7196.1216	- 12	3/4"	1"	- 16	47,6	56	67
P24.7196.1616	- 16	1"	1"	- 16	47,6	71	79
P24.7196.1620	- 16	1"	1.1/4"	- 20	54,0	72	85
P24.7196.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	85	90
P24.7196.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	91	92
P24.7196.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	99	104
P24.7196.2432	- 24	1.1/2"	2"	- 32	79,4	99	92
P24.7196.3232	- 32	2"	2"	- 32	79,4	125	117

part number	hose dash	hose Ø	Flange size	flange dash	D	C	E
		inch	inch		Ø Flange	Cut Off	
		mm		mm		mm	mm
P12.7196.2020	- 20	1.1/4"	1.1/4"	- 20	54,0	85	90
P12.7196.2024	- 20	1.1/4"	1.1/2"	- 24	63,5	91	92
P12.7196.2424	- 24	1.1/2"	1.1/2"	- 24	63,5	99	104
P12.7196.2432	- 24	1.1/2"	2"	- 32	79,4	99	92
P12.7196.3232	- 32	2"	2"	- 32	79,4	125	117

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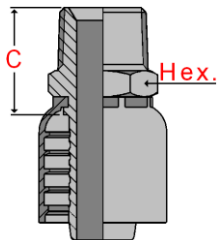
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Balfit[®] Multicrimp R5 Hose Fittings

Balfit[®] NPT Male – P25.0400 – one piece

one piece, carbon steel, NPT (dry-seal taper thread) male fitting for crimping on high pressure hydraulic hoses



According to **SAE J516 / SAE J514**

Material : carbon steel, zinc plated

Hoses : Balflex[®] wire braid hydraulic hose **SAE 100R5 / SAE J 1402 All**

part number	hose dash	hose	thread	thread dash		C	Hex.
		Ø				Cut Off	
		inch				mm	mm
P25.0400.0402	- 4	3/16"	1/8" – 27	- 2		22	12
P25.0400.0404	- 4	3/16"	1/4" – 18	- 4		28	17
P25.0400.0502	- 5	1/4"	1/8" – 27	- 2		23	12
P25.0400.0504	- 5	1/4"	1/4" – 18	- 4		28	17
P25.0400.0604	- 6	5/16"	1/4" – 18	- 4		28	17
P25.0400.0606	- 6	5/16"	3/8" – 18	- 6		28	19
P25.0400.0806	- 8	13/32"	3/8" – 18	- 6		30	19
P25.0400.0808	- 8	13/32"	1/2" – 14	- 8		35	22
P25.0400.1008	- 10	1/2"	1/2" – 14	- 8		35	22
P25.0400.1212	- 12	5/8"	3/4" – 14	- 12		38	27
P25.0400.1616	- 16	7/8"	1" – 11.5	- 16		44	36
P25.0400.2020	- 20	1.1/8"	1.1/4" – 11.5	- 20		50	46
P25.0400.2424	- 24	1.3/8"	1.1/2" – 11.5	- 24		51	50
P25.0400.3232	- 32	1.13/16"	2" – 11.5	- 32		55	65

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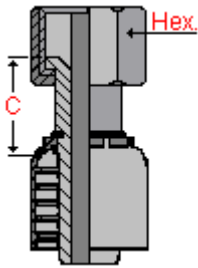
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Balfit[®] Multicrimp R5 Hose Fittings



Balfit[®] JIC 37° Swivel Female with Back Hexagon – P25.4012 one piece

one piece, carbon steel, JIC American thread, 37° flared (5/8" - 18 is 45° flared) female for crimping on high pressure hydraulic hoses



According to **ISO 12151-5** and **ISO 8434-2** According to **SAE J516 / SAE J514**

Material : carbon steel, zinc plated

Hoses : **Balflex[®]** wire braid hydraulic hose **SAE 100R5 / SAE J 1402 All**

part number	hose dash	hose	thread	thread dash		C	Hex.
		∅				Cut Off	
		inch				mm	mm
P25.4012.0404	- 4	3/16"	7/16" – 20	- 4		20	15
P25.4012.0504	- 5	1/4"	7/16" – 20	- 4		20	15
P25.4012.0505	- 5	1/4"	1/2" – 20	- 5		21	17
P25.4012.0506	- 5	1/4"	9/16" – 18	- 6		21	19
P25.4012.0606	- 6	5/16"	9/16" – 18	- 6		21	19
P25.4012.0806	- 8	13/32"	9/16" – 18	- 6		21	19
P25.4012.0808	- 8	13/32"	3/4" – 16	- 8		25	24
P25.4012.1008	- 10	1/2"	3/4" – 16	- 8		25	24
P25.4012.1010	- 10	1/2"	7/8" – 14	- 10		29	27
P25.4012.1210	- 12	5/8"	7/8" – 14	- 10		29	27
P25.4012.1212	- 12	5/8"	1.1/16" – 12	- 12		32	32
P25.4012.1612	- 16	7/8"	1.1/16" – 12	- 12		31	32
P25.4012.1616	- 16	7/8"	1.5/16" – 12	- 16		34	41
P25.4012.2020	- 20	1.1/8"	1.5/8" – 12	- 20		35	41
P25.4012.2424	- 24	1.3/8"	1.7/8" – 12	- 24		41	55
P25.4012.3232	- 32	1.13/16"	2.1/2" – 12	- 32		43	70

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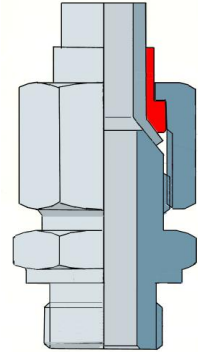
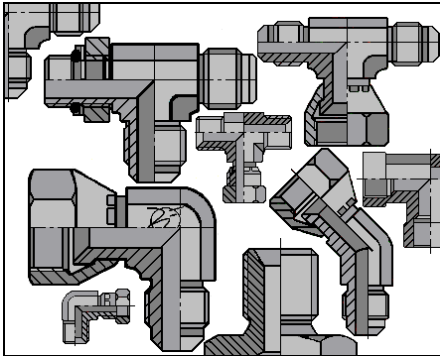
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Balfit[®] SAE 37° Flared Pipe Fittings



Balfit[®] SAE 37° Flared and NPT Connectors Hydraulic Pipe Fittings (Series 35)

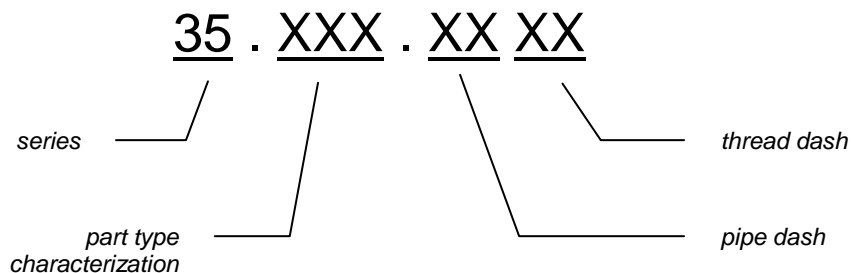
The range of **Balfit[®]** 37° flared hydraulic pipe fittings is produced according to **Balflex[®]** specifications and to **ISO 8434-2** and **SAE J514** standards. It covers a very wide variety of applications typical of hydraulic pipe pressure lines.

Balflex[®] optimized the production of these fittings and their compatibility with a wide range of other types of hydraulic fittings, in order to assure the highest performance and the most extensive range of applications. The **Balfit[®]** hydraulic fittings program in this catalogue includes complete fittings for three-piece tube assembly with one end in UNF thread 37° flared and other ends with:

- UNF thread 37° flared
- NPT thread
- UNF straight thread with o-ring
- BSP parallel thread

Furthermore it includes pipe thread (**NPSM** and **NPT**) connectors included in SAE J514.

The **Balfit[®]** hydraulic pipe fittings part code is composed of three groups of digits:



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Balfit® SAE 37° Flared Pipe Fittings

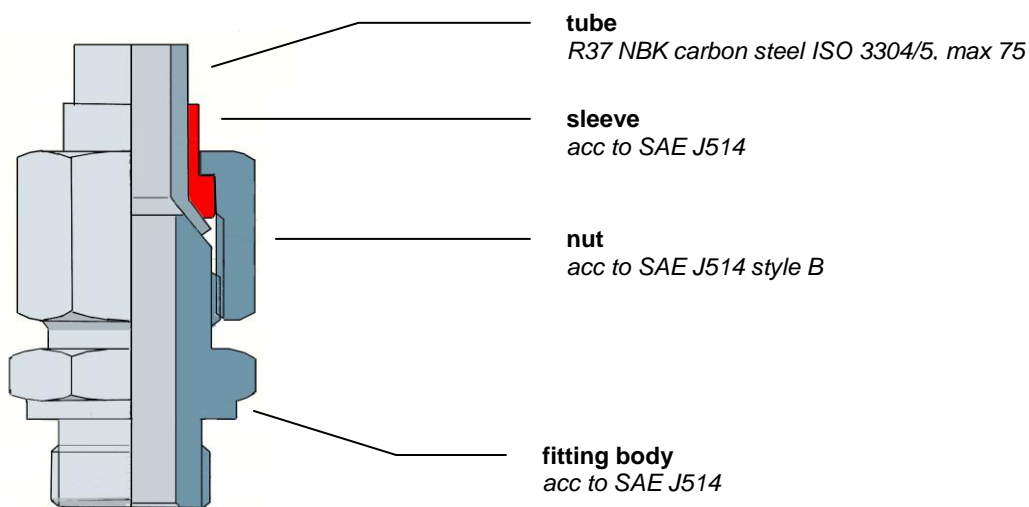


Flared tube operation principle

The 37° flared mechanical fittings assure assembly of threaded fittings to flared hydraulic tubes without any need of welding. It provides assembly simplicity with perfect sealing characteristics.

Sealing is achieved through tightness of the two conical surfaces of fitting and tube. In the Balfit® three piece tube assembly, a sleeve fits on the flared tube and into the tightening nut. When the nut is tightened the sleeve is compressed against the pipe flare and the fitting cone, assuring both securement and metal to metal sealing.

Balfit® 37° flared tube fittings feature single seal reduced surface, that allows high pressure even at low torque levels. Installation and maintenance are thus simplified. Furthermore, simple interchange of the sleeve allows to use the same fittings and nuts with Metric or Imperial tube sizes.



Assembly Instructions

The assembly sequence comprises the following steps:

- The tube is cut square with a hack-saw (roller type saws should be avoided), leaving a straight section for assembly of the fitting with at least two and a half times the length of the nut; the tube edges must be deburred.
- The nut and the sleeve are inserted up the tube as in the picture above; the larger diameter of the ring must face the end of the tube to be flared.
- The tube is flared with appropriate machine and hardened tools (internal cone angle 74°, external cone angle 66°); check alignment of tube and flaring.
- All components that will be tightened must be lubricated.

Note: In step c) make sure that the tube is correctly aligned while flaring. Misalignments may lead to leakage and untightening. If the flaring has not the appropriate size and alignment the process has to be restarted. Fittings and nuts should not be used to align improperly bent or flared tube; the strain on the joint may lead to leakage.

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Balfit[®] SAE 37° Flared Pipe Fittings

Technical Characteristics

The Balfit[®] 37° flared tube fittings in carbon steel are designed for petroleum based hydraulic fluids applications with a **temperature range of - 20°C (- 4°F) to + 100°C (+ 212°F)**. Fittings without incorporated sealing rings may exceed these temperature limits up to 150°C. Stainless steel variants of the fittings with viton seals, achieving maximum temperatures of 200° C (+ 392°F), are listed in the catalogue pages. If other fluids are used, corrosion resistance of the fittings should be verified before application.

The **safety factor of 4:1** relating minimum burst pressure to recommended working pressure applies. The working pressure for each fitting and size is listed in the catalogue pages for working temperature of 20° C (+ 68°F). A linear de-rating factor of 12% / 100°C (+ 212°F) should be used for higher working temperatures. A further de-rating factor of 60% should be used for applications with high impulse cycles.

All bend, tee and cross Balfit[®] 37° flared tube Series 35K fittings are made from forged parts, assuring higher reliability and longer service life-span. Straight parts are machined from stock bars.

Cylindrical and taper threads should be used always matched. In case of cylindrical threads used against softer materials, gasket type should always be preferred, to guarantee sealing even at low torque values.

General Guidelines

Hydraulic hose lines should always be inspected and hydraulically tested before installment. All hydraulic systems should be tested against leakage and with appropriate precautions after any intervention.

The failure of hydraulic lines may be dangerous and expose people and property to irreversible damage. Among other occurrences that must be prevented are the high velocity and high temperature projection of hydraulic fluid, the projection of connectors, pipes and it's parts, spillage or combustion of the fluid, immovability, fall or sudden movement of masses controlled by the hydraulic system.

Hydraulic connectors should be stored protected from humidity and other corrosion inducing factors. Packaging should protect sealing areas and threads against shocks and other damage. Whenever the weight of the parts or the packaging type does not allow assuring this kind of protection, individual plastic caps should be used. All connectors should preferably be handled in small quantities and never in bulk quantities.

Recovered materials should never be used, as the degree of aging and fatigue is unknown and materials that pass visual inspection may be close to life limit. Good practice recommendations and standards exclude therefore the reutilization of used hose. The reutilization of recovered connectors should also be considered with the greatest restraint, as sealing and resistance characteristics may be sharply reduced.

Manufacturing processes leave dirt residues in the tube. Cutting and deburring may leave metal particles that should be removed in order to prevent contamination of the hydraulic system.

Important notice

Selection, assembly and installation of hydraulic lines require specific professional training. This catalogue only supplies additional information and technical data for selection and use of Balfit[®] 37° flared fittings.

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Balfit® SAE 37° Flared Pipe Fittings



Cross-reference for SAE 37° Flared Pipe Fittings

Showing **Balfit®** SAE 37° flared fittings type with corresponding competitor's SAE 37° flared fittings type

Balfit® SAE 37° Flared Pipe Fittings 35 Serie type	Aeroquip Eaton	Air Way	Brennan	Imperial Eastman	Parker	Weather head
35.017 – Locknut					WLN	
35.110 – Nut	1290	318	318	841 - FS	BTX / 06B	C 5105
35.120 – Sleeve Metric Pipe					TX Metric	
35.121 – Sleeve Inch Pipe	900605	319	319	840 - FS	TX / 06S	C 5165
35.140 – JIC Plug	900599	2408	2408	839 - FS	PNTX / 03CP	C 5229
35.141 – Str Thread Plug	900598	6408	6408	721 - FSO	P50N	C 7237
35.142 – Cap					FNTX	
35.160 – Sw Con JIC F x NPT M					F6X / 0506	
35.180 – Sw Con JIC F x SAE-ORB M					F650X	
35.200 – Male Connector	2021	2404	2404	848 - FS	FTX / 103	C 5205
35.220 – St. Thread Conn.	202702	6400	6400	848 - FSO	F5OX / 0503	C 5315
35.230 – BSPP Connector			7002		F42EDMX	
35.235 – Sw Con JIC F x BSPP M					F642EDMX	
35.250 – Bulkhead Union	2041	2700	2700	832 - FS	WTX	C 5325
35.260 – Straight Union	2027	2403	2403	842 - FS	HTX / 0303	C 5305
35.280 – Male JIC x Female NPT Con					GTX / 0203	
35.281 – NPT Fem x Pipe NPT Fem	2046	1405	1405	60 - SG	GG / 0202	9255
35.282 – Sw. NPT Male x Sw NPSM Female	2045	1404	1404	60 - SA	0207	9205
35.285 – Fixed NPT Fem x Sw NPSM Fem						
35.290 – 90° Elbow JIC M x NPT F					DTX	
35.291 – NPT Fem Run Tee					MTX / 023T	
35.292 – NPT Fem Branch Tee					OTX / 223T	
35.500 – Union 90° Elbow	2039	2500	2500	855 - FS	ETX / 2303	C 5505
35.505 – Union Tee	2033	2603	2603	844 - FS	JTX / 033 T	C 5705
35.525 – Male 90° Elbow	2024	2501	2501	849 - FS	CTX / 2103	C 5405
35.530 – NPT Run Tee	2028	2605	2605	851 - FS	RTX / 013T	C 5755
35.535 – NPT Branch Tee	2030	2601	2601	845 - FS	STX / 213T	C 5605
35.540 – 45° Male Elbow	2023	2503	2503	854 - FS	VTX / 3103	C 5355
35.575 – 90° St. Tread Elbow	2062	6801	6801	849 - FSO	C50X / 2503	C 5515
35.580 – Str Thr Run Tee	203005	6804	6804	851 - FSO	R50X / 053T	
35.585 – Str Thr Branch Tee	203003	6803	6803	845 - FSO	S50X / 253T	C 5715
35.590 – 45° St. Tread Elbow	2061	6802	6802	854 - FSO	V50X / 3503	C 5365
35.600 – 90° BSP Elbow			7200		C40MX	
35.605 – BSP Run Tee					R40MX	
35.610 – BSP Branch Tee					S40MX	
35.650 – Bulkhead 90° Elbow	2043	2701	2701	855BH - FS	WETX / 2353	
35.675 – Swivel 90° Elbow	2071	6500	6500	879 - FS	C6X / 3903	C 5506
35.680 – Swivel Run Tee	203102	6602	6602	871 - FS	R6X / 063T	C 5706
35.685 – Swivel Branch Tee	203101	6600	6600	872 - FS	S6X / 393T	C 5707
35.690 – Swivel 45° Elbow	2070	6502	6502	889 - FS	V6X / 3703	

Some Eaton-Aeroquip and Parker size references are reversed

The information provided by this Cross-reference chart is intended as a reference guide only. These SAE 37° flared fittings are similar but not exactly equal in all technical data and dimensions. Refer to SAE 37° flared fittings specifications to assure that the suggested SAE 37° flared fitting will attend the required application.

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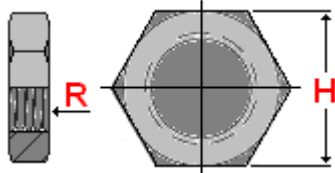


Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] Bulkhead Locknut – 35.017.

carbon steel bulkhead locknut for 37° flared pipe fittings

SAE# 070117



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	dimensions	
	R	H
35.017.03	3/8" – 24	15
35.017.04	7/16" – 20	15
35.017.05	1/2" – 20	19
35.017.06	9/16" – 18	22
35.017.08	3/4" – 16	25
35.017.10	7/8" – 14	28
35.017.12	1.1/16" – 12	36
35.017.14	1.3/16" – 12	41
35.017.16	1.5/16" – 12	41
35.017.20	1.5/8" – 12	46
35.017.24	1.7/8" – 12	50
35.017.32	2.1/2" – 12	70

also available:

Balfit[®] Stainless Steel Locknut

(add an 'S' at the end of the part number; ex: 35.017.08 S)

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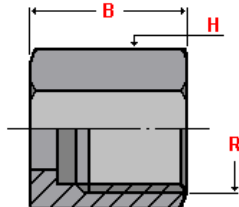
Balfit® SAE 37° Flared Pipe Fittings



Balfit® Tightening Nut – 35.110.

carbon steel tightening nut for 37° flared pipe fittings with sleeves

SAE# 070110



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	∅ tube		dimensions		
	mm	inch	R	B	H
35.110.02	2	1/8"	5/16" – 24	14	10
35.110.03	4	3/16"	3/8" – 24	15	11
35.110.04	6	1/4"	7/16" – 20	16	14
35.110.05	8	5/16"	1/2" – 20	17	17
35.110.06	10	3/8"	9/16" – 18	18	19
35.110.08	12	1/2"	3/4" – 16	21	22
35.110.10	16	5/8"	7/8" – 14	25	27
35.110.12	20	3/4"	1.1/16" – 12	26	32
35.110.14	22	7/8"	1.3/16" – 12	27	35
35.110.16	25	1"	1.5/16" – 12	28	41
35.110.20	32	1.1/4"	1.5/8" – 12	31	50
35.110.24	38	1.1/2"	1.7/8" – 12	36	60
35.110.32	50	2"	2.1/2" – 12	44	86

also available:

Balfit® Stainless Steel Tightening Nut

(add an 'S' at the end of the part number; ex: 35.110.08 S)

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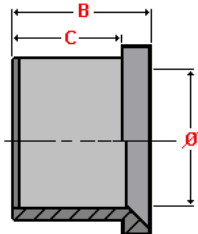


Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] Tube Sleeve – 35.120. / 35.121.

carbon steel sleeve for 37° flared pipe

SAE# 070115



35.120 - Tube Sleeve for Metric Pipe / 35.121 - Tube Sleeve for Inch Pipe

According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		dimensions		
	mm	inch	B	C	Ø
35.120.06	6		10	7	6
35.120.08	8		11	7	8
35.120.10	10		13	8	10
35.120.12	12		14	9	12
35.120.14	14		17	11	14
35.120.15	15		17	11	15
35.120.16	16		17	11	16
35.120.18	18		17	11	18
35.120.20	20		17	11	20
35.120.25	25		20	13	25
35.120.30	30		23	15	30
35.120.32	32		23	15	32
35.120.38	38		28	20	38
35.121.02		1/8"	9	6	1/8"
35.121.03		5/16"	9	6	5/16"
35.121.04		1/4"	10	7	1/4"
35.121.05		5/16"	11	7	5/16"
35.121.06		3/8"	13	8	3/8"
35.121.08		1/2"	14	9	1/2"
35.121.10		5/8"	17	11	5/8"
35.121.12		3/4"	17	11	3/4"
35.121.16		1"	20	13	1"
35.121.20		1.1/4"	23	15	1.1/4"
35.121.24		1.1/2"	28	20	1.1/2"

also available:

Balfit[®] Stainless Steel Tube Sleeve

(add an 'S' at the end of the part number; ex: 35.120.08 S or 35.121.04 S)

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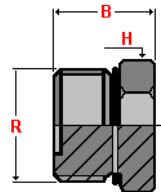
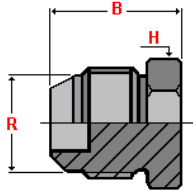
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Balfit® SAE 37° Flared Pipe Fittings



Balfit® Plugs – 35.140. / 35.141.

carbon steel plug



35.140. - JIC Plug SAE# 070109

35.141. - Straight Thread Plug SAE# 090109A

According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel
Finish: Zinc-plated

part number	∅ tube		thread	dimensions	
	mm	inch		R	B
35.140.02		1/8"	5/16" – 24	18	11
35.140.03		3/16"	3/8" – 24	19	11
35.140.04		1/4"	7/16" – 20	20	13
35.140.05		5/16"	1/2" – 20	20	14
35.140.06		3/8"	9/16" – 18	21	16
35.140.08		1/2"	3/4" – 16	24	19
35.140.10		5/8"	7/8" – 14	28	24
35.140.12		3/4"	1.1/16" – 12	33	27
35.140.16		1"	1.5/16" – 12	34	36
35.140.20		1.1/4"	1.5/8" – 12	37	46
35.140.24		1.1/2"	1.7/8" – 12	42	50
35.141.04		1/4"	7/16" – 20	17	14
35.141.05		5/16"	1/2" – 20	17	16
35.141.06		3/8"	9/16" – 18	19	18
35.141.08		1/2"	3/4" – 16	20	22
35.141.10		5/8"	7/8" – 14	24	25
35.141.12		3/4"	1.1/16" – 12	28	32
35.141.16		1"	1.5/16" – 12	29	38

also available:

Balfit® Stainless Steel Plugs

(add an 'S' at the end of the part number; ex: 35.140.08 S or 35.141.06 S)

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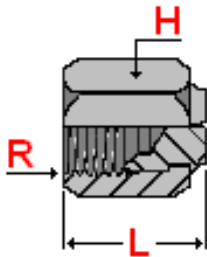


Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] Cap – 35.142.

carbon steel SAE-ORB Cap

SAE# 07012



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel
Finish: Zinc-plated

part number	thread	dimensions	
	R	L	H
35.142.02	5/16" – 24	13	10
35.142.03	3/8" – 24	14	11
35.142.04	7/16" – 20	15	14
35.142.05	1/2" – 20	15	15
35.142.06	9/16" – 18	16	17
35.142.08	3/4" – 16	19	19
35.142.10	7/8" – 14	21	22
35.142.12	1.1/16" – 12	23	32
35.142.14	1.3/16" – 12	25	36
35.142.16	1.5/16" – 12	26	36
35.142.20	1.5/8" – 12	27	50
35.142.24	1.7/8" – 12	30	55
35.142.32	2.1/2" – 12	37	75

also available:

Balfit[®] Stainless Steel Cap

(add an 'S' at the end of the part number; ex: 35.142.08 S)

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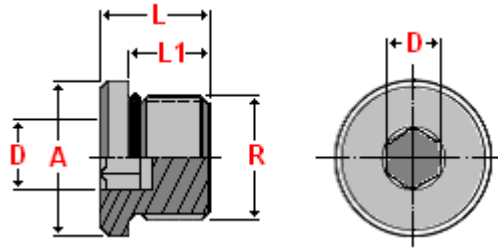
Balfit® SAE 37° Flared Pipe Fittings



Balfit® Hollow Hex Plug SAE – ORB – 35.143.

carbon steel plug

SAE# 090109B



35.143. - Hollow Hex Plug SAE – ORB

According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread	dimensions			
	R	L	L1	A	D (Hex)
35.143.02	5/16" – 24	10	7	12	1/8"
35.143.03	3/8" – 24	10	7	12	1/8"
35.143.04	7/16" – 20	12	9	14	3/16"
35.143.05	1/2" – 20	12	9	16	3/16"
35.143.06	9/16" – 18	13	10	18	1/4"
35.143.08	3/4" – 16	15	11	22	5/16"
35.143.10	7/8" – 14	17	13	25	3/8"
35.143.12	1.1/16" – 12	20	15	32	9/16"
35.143.14	1.3/16" – 12	20	15	35	9/16"
35.143.16	1.5/16" – 12	20	15	38	5/8"
35.143.20	1.5/8" – 12	20	15	48	3/4"
35.143.24	1.7/8" – 12	20	15	54	3/4"

also available:

Balfit® Stainless Steel Hollow Hex Plug SAE – ORB

(add an 'S' at the end of the part number; ex: 35.143.08 S)

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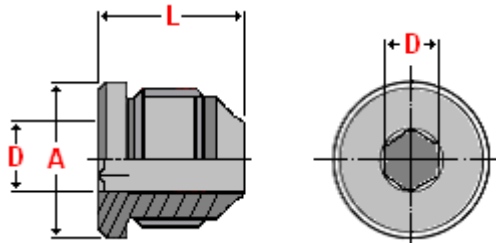
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Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] Hollow Hex Plug JIC – 35.144.

carbon steel plug



35.144. - Hollow Hex Plug JIC

According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread	dimensions			
	R	L	A	D (Hex)	
35.144.04	7/16" – 20	20	14	1/4"	
35.144.05	1/2" – 20	20	16	5/16"	
35.144.06	9/16" – 18	21	18	3/8"	
35.144.08	3/4" – 16	24	22	1/2"	
35.144.10	7/8" – 14	28	25	5/8"	
35.144.12	1.1/16" – 12	33	32	3/4"	
35.144.14	1.3/16" – 12	33	35	7/8"	
35.144.16	1.5/16" – 12	34	38	1"	
35.144.20	1.5/8" – 12	37	48	1.1/4"	
35.144.24	1.7/8" – 12	42	54	1.1/2"	

also available:

Balfit[®] Stainless Steel Hollow Hex Plug JIC

(add an 'S' at the end of the part number; ex: 35.144.08 S)

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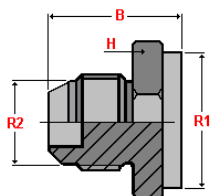
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Balfit® SAE 37° Flared Pipe Fittings



Balfit® Straight Reducer Female JIC x Male JIC – 35.145.

carbon steel plug



35.145. – Straight Reducer Female JIC x Male JIC

According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel Finish: Zinc-plated

part number	thread		dimensions			
	R1	R2	B			H
35.145.0406	7/16" – 20	9/16" – 18	26			16
35.145.0504	1/2" – 20	7/16" – 20	29			16
35.145.0508	1/2" – 20	9/16" – 18	32			21
35.145.0602	9/16" – 18	5/16" – 24	27			17
35.145.0604	9/16" – 18	7/16" – 20	30			17
35.145.0605	9/16" – 18	1/2" – 20	30			17
35.145.0606	9/16" – 18	9/16" – 18	30			17
35.145.0608	9/16" – 18	3/4" – 16	33			21
35.145.0610	9/16" – 18	7/8" – 14	33			24
35.145.0804	3/4" – 16	7/16" – 20	34			22
35.145.0806	3/4" – 16	9/16" – 18	34			22
35.145.0810	3/4" – 16	7/8" – 14	33			24
35.145.0812	3/4" – 16	1.1/16" – 12	41			29
35.145.1004	7/8" – 14	7/16" – 20	37			25
35.145.1006	7/8" – 14	9/16" – 18	36			25
35.145.1008	7/8" – 14	3/4" – 16	36			25
35.145.1012	7/8" – 14	1.1/16" – 12	44			29
35.145.1204	1.1/16" – 12	7/16" – 20	38			32
35.145.1206	1.1/16" – 12	9/16" – 18	37			32
35.145.1208	1.1/16" – 12	3/4" – 16	40			32
35.145.1210	1.1/16" – 12	7/8" – 14	42			32
35.145.1216	1.1/16" – 12	1.5/16" – 12	41			35
35.145.1412	1.3/16" – 12	1.1/16" – 12	46			35

also available:

Balfit® Stainless Steel Straight Reducer Female JIC x Male JIC

(add an 'S' at the end of the part number; ex: 35.145.08 S)

continued on next page

Construction characteristics and dimensions may be changed at any time without prior notice.

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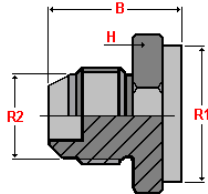


Balfit[®] SAE 37° Flared Pipe Fittings

continued

Balfit[®] Straight Reducer Female JIC x Male JIC – 35.145.

carbon steel plug



35.145. – Straight Reducer Female JIC x Male JIC

According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel **Finish:** Zinc-plated

part number	thread		dimensions			
	R1	R2	B			H
35.145.1604	1.5/16" – 12	7/16" – 20	47			38
35.145.1606	1.5/16" – 12	9/16" – 18	47			38
35.145.1608	1.5/16" – 12	3/4" – 16	44			38
35.145.1610	1.5/16" – 12	7/8" – 14	46			38
35.145.1612	1.5/16" – 12	1.1/16" – 12	46			38
35.145.1614	1.5/16" – 12	1.3/16" – 12	46			38
35.145.1620	1.5/16" – 12	1.5/8" – 12	58			43
35.145.2008	1.5/8" – 12	3/4" – 16	47			51
35.145.2012	1.5/8" – 12	1.1/16" – 12	51			51
35.145.2016	1.5/8" – 12	1.5/16" – 12	51			51
35.145.2024	1.5/8" – 12	1.7/8" – 12	54			51
35.145.2412	1.7/8" – 12	1.1/16" – 12	62			57
35.145.2416	1.7/8" – 12	1.5/16" – 12	63			57
35.145.2420	1.7/8" – 12	1.5/8" – 12	67			57
35.145.3224	2.1/2" – 12	1.7/8" – 12	66			73

also available:

Balfit[®] Stainless Steel Straight Reducer Female JIC x Male JIC

(add an 'S' at the end of the part number; ex: 35.145.08 S)

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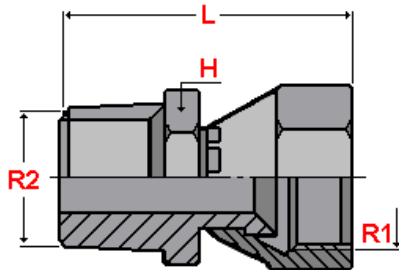
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Balfit® SAE 37° Flared Pipe Fittings



Balfit® Swivel Connector JIC Female x NPT Male – 35.160.

carbon steel Swivel Connector JIC Female x NPT Male



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel
Finish: Carbon Steel

part number	thread		dimensions			
	R1	R2	L			H
35.160.0402	7/16" – 20	1/8" – 27	33			12
35.160.0404	7/16" – 20	1/4" – 18	37			14
35.160.0504	1/2" – 20	1/4" – 18	36			14
35.160.0604	9/16" – 18	1/4" – 18	43			14
35.160.0606	9/16" – 18	3/8" – 18	44			19
35.160.0806	3/4" – 16	3/8" – 18	44			19
35.160.1006	7/8" – 14	3/8" – 18	46			22
35.160.0808	3/4" – 16	1/2" – 14	49			22
35.160.1008	7/8" – 14	1/2" – 14	58			22
35.160.1208	1.1/16" – 12	1/2" – 14	54			27
35.160.1012	7/8" – 14	3/4" – 14	55			27
35.160.1212	1.1/16" – 12	3/4" – 14	58			27
35.160.1612	1.5/16" – 12	3/4" – 14	61			32
35.160.1616	1.5/16" – 12	1" – 11.1/2"	65			36
35.160.2020	1.5/8" – 12	1.1/4" – 11.1/2"	67			46
35.160.2424	1.7/8" – 12	1.1/2" – 11.1/2"	74			50
35.160.3232	2.1/2" – 12	2" – 11.1/2"	84			60

also available:

Balfit® Stainless Steel Swivel Connector JIC Female x NPT Male

(add an 'S' at the end of the part number; ex: 35.160.0808 S)

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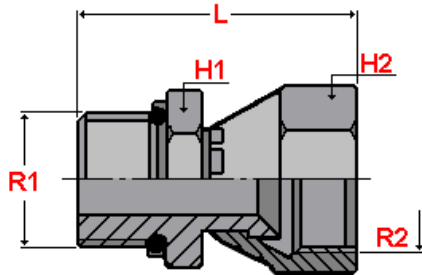
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Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] Swivel Connector JIC Female x SAE-ORB Male 35.180.

carbon steel Swivel Connector JIC Female x SAE-ORB Male



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions			
	R1	R2	L		H1	H2
35.180.0404	7/16" - 20	7/16" - 20	33		14	14
35.180.0406	7/16" - 20	9/16" - 18	36		14	14
35.180.0604	9/16" - 18	7/16" - 20	34		14	14
35.180.0606	9/16" - 18	9/16" - 18	38		17	17
35.180.0608	9/16" - 18	3/4" - 16	41		17	17
35.180.0808	3/4" - 16	3/4" - 16	42		19	19
35.180.1008	7/8" - 14	3/4" - 16	46		19	19
35.180.1010	7/8" - 14	7/8" - 14	48		22	22
35.180.1208	1.1/16" - 12	3/4" - 16	50		22	22
35.180.1212	1.1/16" - 12	1.1/16" - 12	54		32	32
35.180.1616	1.5/16" - 12	1.5/16" - 12	57		36	36
35.180.2020	1.5/8" - 12	1.5/8" - 12	61		46	46
35.180.2424	1.7/8" - 12	1.7/8" - 12	66		50	50

also available:

Balfit[®] Stainless Steel Swivel Connector JIC Female x SAE-ORB Male

(add an 'S' at the end of the part number; ex: 35.180.0808 S)

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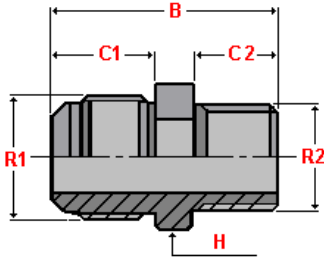
Balfit® SAE 37° Flared Pipe Fittings



Balfit® Male Connector (JIC x NPT) – 35.200.

carbon steel JIC (SAE-ORB thread, 37° flared) male x NPT (American taper thread) male connector

SAE# 070102



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Carbon Steel

part number	thread		dimensions			
	R1	R2	B	C1	C2	H
35.200.0202	5/16" – 24	1/8" – 27	28	12	10	12
35.200.0204	5/16" – 24	1/4" – 18	28	12	14	14
35.200.0302	3/8" – 24	1/8" – 27	29	12	10	12
35.200.0402	7/16" – 20	1/8" – 27	31	14	10	13
35.200.0404	7/16" – 20	1/4" – 18	36	14	14	14
35.200.0406	7/16" – 20	3/8" – 18	36	14	14	19
35.200.0408	7/16" – 20	1/2" – 19	42	14	19	22
35.200.0502	1/2" – 20	1/8" – 27	31	14	10	14
35.200.0504	1/2" – 20	1/4" – 18	36	14	14	14
35.200.0506	1/2" – 20	3/8" – 18	36	14	14	19
35.200.0602	9/16" – 18	1/8" – 27	32	14	10	16
35.200.0604	9/16" – 18	1/4" – 18	36	14	14	16
35.200.0606	9/16" – 18	3/8" – 18	36	14	14	19
35.200.0608	9/16" – 18	1/2" – 14	43	14	19	22
35.200.0612	9/16" – 18	3/4" – 14	45	14	19	27
35.200.0802	3/4" – 16	1/8" – 27	34	17	10	22
35.200.0804	3/4" – 16	1/4" – 18	39	17	14	22
35.200.0806	3/4" – 16	3/8" – 18	39	17	14	19
35.200.0808	3/4" – 16	1/2" – 14	45	17	19	22
35.200.0812	3/4" – 16	3/4" – 14	47	17	19	27
35.200.0816	3/4" – 16	1" – 11 1/2"	52	17	24	36
35.200.1004	7/8" – 14	1/4" – 18	43	19	14	24
35.200.1006	7/8" – 14	3/8" – 18	43	19	14	24
35.200.1008	7/8" – 14	1/2" – 14	48	19	19	24
35.200.1012	7/8" – 14	3/4" – 14	50	19	19	27

also available:

Balfit® Stainless Steel Male Connector

(add an 'S' at the end of the part number; ex: 35.200.0806 S)

continued on next page

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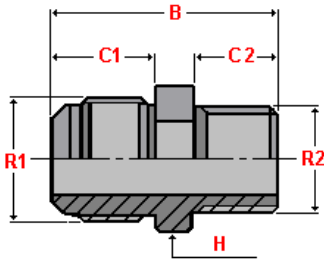
Balfit[®] SAE 37° Flared Pipe Fittings

continued

SAE# 070102

Balfit[®] Male Connector (JIC x NPT) – 35.200.

carbon steel JIC (SAE-ORB thread, 37° flared) male x NPT (American taper thread) male connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Carbon Steel

part number	thread		dimensions			
	R1	R2	B	C1	C2	H
35.200.1206	1.1/16" – 12	3/8" – 18	45	22	14	27
35.200.1208	1.1/16" – 12	1/2" – 14	52	22	19	27
35.200.1212	1.1/16" – 12	3/4" – 14	52	22	19	27
35.200.1216	1.1/16" – 12	1" – 11 1/2"	57	22	24	36
35.200.1220	1.1/16" – 12	1.1/4" – 11.1/2"	60	22	25	46
35.200.1224	1.1/16" – 12	1.1/2" – 11.1/2"	63	22	25	50
35.200.1608	1.5/16" – 12	1/2" – 14	54	23	19	36
35.200.1612	1.5/16" – 12	3/4" – 14	54	23	19	36
35.200.1616	1.5/16" – 12	1" – 11.1/2"	58	23	24	36
35.200.1620	1.5/16" – 12	1.1/4" – 11.1/2"	62	23	25	46
35.200.1624	1.5/16" – 12	1.1/2" – 11.1/2"	64	23	25	46
35.200.2012	1.5/8" – 12	3/4" – 14	56	24	19	46
35.200.2016	1.5/8" – 12	1" – 11.1/2"	62	24	24	46
35.200.2020	1.5/8" – 12	1.1/4" – 11.1/2"	62	24	25	46
35.200.2024	1.5/8" – 12	1.1/2" – 11.1/2"	65	24	25	46
35.200.2032	1.5/8" – 12	2" – 11.1/2"	69	24	30	66
35.200.2424	1.7/8" – 12	1.1/2" – 11.1/2"	68	28	25	50
35.200.2432	1.7/8" – 12	2" – 11.1/2"	73	28	30	66
35.200.3216	2.1/2" – 12	1" – 11.1/2"	77	32	24	66
35.200.3220	2.1/2" – 12	1.1/4" – 11.1/2"	77	32	25	66
35.200.3224	2.1/2" – 12	1.1/2" – 11.1/2"	78	32	25	66
35.200.3232	2.1/2" – 12	2" – 11.1/2"	79	32	30	66

also available:

Balfit[®] Stainless Steel Male Connector

(add an 'S' at the end of the part number; ex: 35.200.0806 S)

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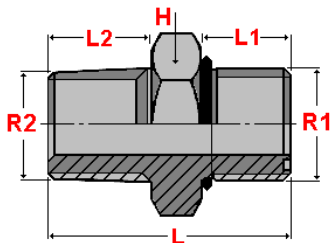
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Balfit® SAE 37° Flared Pipe Fittings



Balfit® NPT x SAE-ORB Straight Male Connector – 35.205.

carbon steel NPT x SAE-ORB straight male connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread		dimensions			
	mm	inch	R1	R2	L	L1	L2	H
35.205.0402	6	1/4"	7/16" – 20	1/8" – 27	29	14	6	16
35.205.0404	6	1/4"	7/16" – 20	1/4" – 18	32	14	10	19
35.205.0504	8	5/16"	1/2" – 20	1/4" – 18	32	14	10	19
35.205.0506	8	5/16"	1/2" – 20	3/8" – 18	33	14	10	22
35.205.0604	10	3/8"	9/16" – 18	1/4" – 18	32	14	10	19
35.205.0606	10	3/8"	9/16" – 18	3/8" – 18	33	14	10	22
35.205.0608	10	3/8"	9/16" – 18	1/2" – 14	39	14	13	30
35.205.0806	12	1/2"	3/4" – 16	3/8" – 18	36	17	10	22
35.205.0808	12	1/2"	3/4" – 16	1/2" – 14	41	17	13	30
35.205.0812	12	1/2"	3/4" – 16	3/4" – 14	41	17	13	36
35.205.1004	14	5/8"	7/8" – 14	1/4" – 18	39	19	10	24
35.205.1006	14	5/8"	7/8" – 14	3/8" – 18	39	19	10	24
35.205.1008	15	5/8"	7/8" – 14	1/2" – 14	44	19	13	30
35.205.1012	16	5/8"	7/8" – 14	3/4" – 14	44	19	13	36
35.205.1206	20	3/4"	1.1/16" – 12	3/8" – 18	47	22	10	30
35.205.1208	20	3/4"	1.1/16" – 12	1/2" – 14	47	22	13	30
35.205.1212	20	3/4"	1.1/16" – 12	3/4" – 14	48	22	13	36
35.205.1216	20	3/4"	1.1/16" – 12	1" – 11.1/2"	48	22	16	46
35.205.1612	25	1"	1.5/16" – 12	3/4" – 14	54	23	16	46
35.205.1616	25	1"	1.5/16" – 12	1" – 11.1/2"	54	23	16	46
35.205.2020	32	1.1/4"	1.5/8" – 12	1.1/4" – 11.1/2"	57	24	16	50
35.205.2424	38	1.1/2"	1.7/8" – 12	1.1/2" – 11.1/2"	61	28	16	60

also available:

Balfit® Stainless Steel Straight NPT x SAE-ORB Male Connector

(add an 'S' at the end of the part number; ex: 35.205.0808 S)

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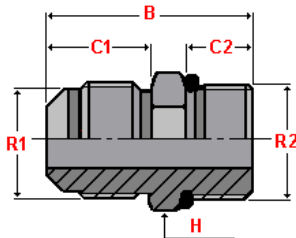
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Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] JIC x SAE-ORB Straight Male Connector – 35.220.

carbon steel JIC x SAE-ORB straight male connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube		thread		dimensions			
	mm	inch	R1	R2	B	C1	C2	H
35.220.0404	6	1/4"	7/16" - 20	7/16" - 20	31	14	9	14
35.220.0405	6	1/4"	7/16" - 20	1/2" - 20	31	14	9	16
35.220.0406	6	1/4"	7/16" - 20	9/16" - 18	33	44	10	17
35.220.0505	8	5/16"	1/2" - 20	1/2" - 20	31	14	9	16
35.220.0606	10	3/8"	9/16" - 18	9/16" - 18	33	14	10	17
35.220.0608	10	3/8"	9/16" - 18	3/4" - 16	35	14	11	22
35.220.0808	12	1/2"	3/4" - 16	3/4" - 16	38	17	11	22
35.220.0810	12	1/2"	3/4" - 16	7/8" - 14	41	17	13	27
35.220.1008	14	5/8"	7/8" - 14	3/4" - 16	41	19	11	24
35.220.1010	15	5/8"	7/8" - 14	7/8" - 14	43	19	13	27
35.220.1012	16	5/8"	7/8" - 14	1.1/16" - 12	47	19	15	32
35.220.1210	20	3/4"	1.1/16" - 12	7/8" - 14	46	22	13	27
35.220.1212	20	3/4"	1.1/16" - 12	1.1/16" - 12	50	22	15	32
35.220.1216	20	3/4"	1.1/16" - 12	1.5/16" - 12	51	22	15	38
35.220.1612	25	1"	1.5/16" - 12	1.1/16" - 12	51	23	15	36
35.220.1616	25	1"	1.5/16" - 12	1.5/16" - 12	52	23	15	38
35.220.2020	32	1.1/4"	1.5/8" - 12	1.5/8" - 12	55	24	15	50
35.220.2424	38	1.1/2"	1.7/8" - 12	1.7/8" - 12	60	28	15	55

also available:

Balfit[®] Stainless Steel Straight Male Connector JIC x SAE-ORB

(add an 'S' at the end of the part number; ex: 35.220.0808 S)

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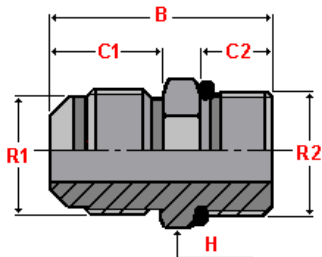
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Balfit® SAE 37° Flared Pipe Fittings



Balfit® JIC x BSPP Male Connector – 35.230.

carbon steel JIC x BSP male connector parallel thread



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	∅ tube		thread		dimensions			
	mm	inch	R1	R2	B	C1	C2	H
35.230.0402	6	1/4"	7/16" – 20	1/8" – 28	29	14	6	16
35.230.0404	6	1/4"	7/16" – 20	1/4" – 19	32	14	10	19
35.230.0504	8	5/16"	1/2" – 20	1/4" – 19	32	14	10	19
35.230.0506	8	5/16"	1/2" – 20	3/8" – 19	33	14	10	22
35.230.0604	10	3/8"	9/16" – 18	1/4" – 19	32	14	10	19
35.230.0606	10	3/8"	9/16" – 18	3/8" – 19	33	14	10	22
35.230.0608	10	3/8"	9/16" – 18	1/2" – 14	39	14	13	30
35.230.0806	12	1/2"	3/4" – 16	3/8" – 19	36	17	10	22
35.230.0808	12	1/2"	3/4" – 16	1/2" – 14	41	17	13	30
35.230.1006	14	5/8"	7/8" – 14	3/8" – 19	39	19	10	24
35.230.1008	15	5/8"	7/8" – 14	1/2" – 14	44	19	13	30
35.230.1012	16	5/8"	7/8" – 14	3/4" – 14	44	19	13	36
35.230.1208	20	3/4"	1.1/16" – 12	1/2" – 14	47	22	13	30
35.230.1212	20	3/4"	1.1/16" – 12	3/4" – 14	48	22	13	36
35.230.1616	25	1"	1.5/16" – 12	1" – 11	54	23	16	46
35.230.2020	32	1.1/4"	1.5/8" – 12	1.1/4" – 11	57	24	16	50
35.230.2424	38	1.1/2"	1.7/8" – 12	1.1/2" – 11	61	28	16	60

also available:

Balfit® Stainless Steel Straight JIC x BSPP Male Connector

(add an 'S' at the end of the part number; ex: 35.230.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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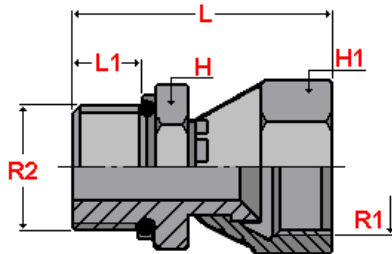
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Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] Swivel Connector JIC Female x BSPP Male – 35.235.

carbon steel Swivel Connector JIC Female x BSP Male



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions			
	R1	R2	L	L1	H	H1
35.235.0402	7/16" – 20	1/8" – 28	24	10	14	15
35.235.0404	7/16" – 20	1/4" – 19	26	12	19	15
35.235.0504	1/2" – 20	1/4" – 19	26,5	12	19	17
35.235.0604	9/16" – 18	1/4" – 19	27	12	19	19
35.235.0606	9/16" – 18	3/8" – 19	30,5	13,5	22	19
35.235.0804	3/4" – 16	1/4" – 19	29	12	19	24
35.235.0806	3/4" – 16	3/8" – 19	32,5	13,5	22	24
35.235.1006	7/8" – 14	3/8" – 19	33	13,5	22	27
35.235.0608	9/16" – 18	1/2" – 14	35	16	27	19
35.235.0808	3/4" – 16	1/2" – 14	37	16	27	24
35.235.1008	7/8" – 14	1/2" – 14	37,5	16	27	27
35.235.1010	7/8" – 14	5/8" – 14	39	17,5	30	27
35.235.0812	3/4" – 16	3/4" – 14	40	18,5	32	24
35.235.1012	7/8" – 14	5/8" – 14	41	18,5	32	27
35.235.1212	1.1/16" – 12	3/4" – 14	42	18,5	32	32
35.235.1612	1.5/16" – 12	3/4" – 14	42	18,5	32	41
35.235.1616	1.5/16" – 12	1" – 11	46,5	20,5	41	41
35.235.2020	1.5/8" – 12	1.1/4" – 11	50	20,5	50	50
35.235.2420	1.7/8" – 12	1.1/4" – 11	50	20,5	50	55
35.235.2424	1.7/8" – 12	1.1/2" – 11	52,5	23	55	55
35.235.3232	2.1/2" – 12	2" – 11	57,5	25,5	70	75

also available:

Balfit[®] Stainless Steel Swivel Connector JIC Female x BSPP Male

(add an 'S' at the end of the part number; ex: 35.235.0808 S)

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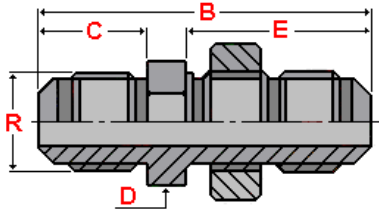
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Balfit® SAE 37° Flared Pipe Fittings



Balfit® Straight Bulkhead Union JIC Male – 35.250.

carbon steel JIC male x JIC male straight bulkhead JIC Male connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube		thread	dimensions				
	mm	inch		R	B	C1	C2	H
35.250.04	6	1/4"	7/16" – 20	53	14	17	31	
35.250.05	8	5/16"	1/2" – 20	53	14	19	31	
35.250.06	10	3/8"	9/16" – 18	55	14	22	33	
35.250.08	12	1/2"	3/4" – 16	62	17	24	37	
35.250.10	16	5/8"	7/8" – 14	70	19	30	41	
35.250.12	20	3/4"	1.1/16" – 12	79	22	36	45	
35.250.16	25	1"	1.5/16" – 12	80	23	41	45	
35.250.20	32	1.1/4"	1.5/8" – 12	84	24	50	47	
35.250.24	38	1.1/2"	1.7/8" – 12	89	28	55	47	

also available:

Balfit® Stainless Steel Straight Bulkhead Union Jic Male

(add an 'S' at the end of the part number; ex: 35.250.08 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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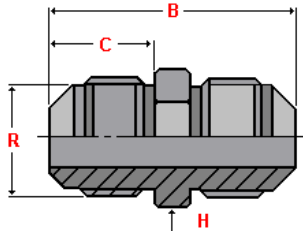
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Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] Straight JIC Male Union – 35.260.

carbon steel JIC male x JIC male straight connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread	dimensions			
	mm	inch		R	B	C	H
35.260.04	6	1/4"	7/16" – 20	35	14	13	
35.260.05	8	5/16"	1/2" – 20	35	14	14	
35.260.06	10	3/8"	9/16" – 18	36	14	16	
35.260.08	12	1/2"	3/4" – 16	41	17	19	
35.260.10	16	5/8"	7/8" – 14	48	19	24	
35.260.12	20	3/4"	1.1/16" – 12	55	22	27	
35.260.16	25	1"	1.5/16" – 12	57	23	36	
35.260.20	32	1.1/4"	1.5/8" – 12	62	24	46	
35.260.24	38	1.1/2"	1.7/8" – 12	70	28	50	
35.260.32	50	2"	2.1/2" – 12	86	35	66	

also available:

Balfit[®] Stainless Steel Straight Jic Male Union

(add an 'S' at the end of the part number; ex: 35.260.08 S)

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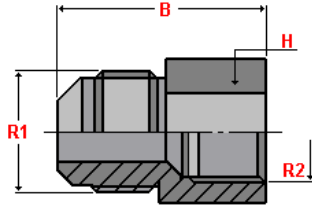
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Balfit® SAE 37° Flared Pipe Fittings



Balfit® NPT Female x JIC Male Connector – 35.280.

carbon steel NPT female x JIC male straight connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel
Finish: Zinc-plated

part number	∅ tube		thread		dimensions	
	mm	inch	R1	R2	B	H
35.280.0404	6	1/4"	7/16" – 20	1/4" – 18	32	14
35.280.0504	8	5/16"	1/2" – 20	1/4" – 18	32	17
35.280.0604	10	3/8"	9/16" – 18	1/4" – 18	34	17
35.280.0606	10	3/8"	9/16" – 18	3/8" – 18	34	19
35.280.0808	12	1/2"	3/4" – 16	1/2" – 14	41	22
35.280.1008	16	5/8"	7/8" – 14	1/2" – 14	42	24
35.280.1212	20	3/4"	1.1/16" – 12	3/4" – 14	44	27
35.280.1616	25	1"	1.5/16" – 12	1" – 11.1/2"	51	36

also available:

Balfit® Stainless Steel NPT Female x JIC Male Connector

(add an 'S' at the end of the part number; ex: 35.280.0404 S)

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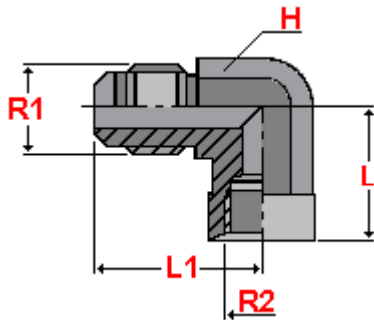
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Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] 90° Elbow JIC Male x NPT Female – 35.290.

carbon steel 90° Elbow JIC Male x NPT Female



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions			
	R1	R2	L	L1		H
35.290.0402	7/16" – 20	1/8" – 27	17	27		14
35.290.0404	7/16" – 20	1/4" – 18	22	31		19
35.290.0406	7/16" – 20	3/8" – 18	26	33		22
35.290.0502	1/2" – 20	1/8" – 27	17	27		14
35.290.0504	1/2" – 20	1/4" – 18	22	31		19
35.290.0506	1/2" – 20	3/8" – 18	26	33		19
35.290.0602	9/16" – 18	1/8" – 27	17	31		14
35.290.0604	9/16" – 18	1/4" – 18	22	31		19
35.290.0606	9/16" – 18	3/8" – 18	26	33		22
35.290.0608	9/16" – 18	1/2" – 14	31	36		27
35.290.0804	3/4" – 16	1/4" – 18	26	36		19
35.290.0806	3/4" – 16	3/8" – 18	26	36		22
35.290.0808	3/4" – 16	1/2" – 14	31	39		27
35.290.0812	3/4" – 16	3/4" – 14	35	42		33
35.290.1006	7/8" – 14	3/8" – 18	26	42		29
35.290.1008	7/8" – 14	1/2" – 14	31	42		27
35.290.1208	1.1/16" – 12	1/2" – 14	34	48		27
35.290.1212	1.1/16" – 12	3/4" – 14	35	48		33
35.290.1216	1.1/16" – 12	1" – 11.1/2"	41	54		41
35.290.1412	1.3/16" – 12	3/4" – 14	36	47		33
35.290.1612	1.5/16" – 12	3/4" – 14	35	55		33
35.290.1616	1.5/16" – 12	1" – 11.1/2"	41	55		41
35.290.1620	1.5/16" – 12	1.1/4" – 11.1/2"	43	58		51
35.290.2020	1.5/8" – 12	1.1/4" – 11.1/2"	43	59		48
35.290.2424	1.7/8" – 12	1.1/2" – 11.1/2"	53	73		65
35.290.3232	2.1/2" – 12	2" – 11.1/2"	61	84		71

also available:

Balfit[®] Stainless Steel 90° Elbow JIC Male x NPT Female

(add an 'S' at the end of the part number; ex: 35.290.0808 S)

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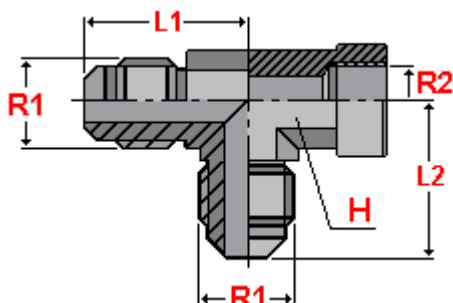
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Balfit® SAE 37° Flared Pipe Fittings



Balfit® NPT Female Run Tee – 35.291.

carbon steel NPT Female Run Tee JIC Male x JIC Male x NPT Female



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions			
	R1	R2	L1	L2		H
35.291.0402	7/16" – 20	1/8" – 27	27	17		14
35.291.0404	7/16" – 20	1/4" – 18	31	22		19
35.291.0502	1/2" – 20	1/8" – 27	27	17		16
35.291.0504	1/2" – 20	1/4" – 18	31	22		19
35.291.0604	9/16" – 18	1/4" – 18	31	22		19
35.291.0606	9/16" – 18	3/8" – 18	33	26		22
35.291.0806	3/4" – 16	3/8" – 18	36	26		22
35.291.0808	3/4" – 16	1/2" – 14	39	31		27
35.291.1008	7/8" – 14	1/2" – 14	42	31		27
35.291.1212	1.1/16" – 12	3/4" – 14	48	35		33
35.291.1412	1.3/16" – 12	3/4" – 14	47	36		33
35.291.1616	1.5/16" – 12	1" – 11.1/2"	55	41		41
35.291.2020	1.5/8" – 12	1.1/4" – 11.1/2"	59	43		48
35.291.2424	1.7/8" – 12	1.1/2" – 11.1/2"	73	53		60

also available:

Balfit® Stainless Steel NPT Female Run Tee

(add an 'S' at the end of the part number; ex: 35.291.0808 S)

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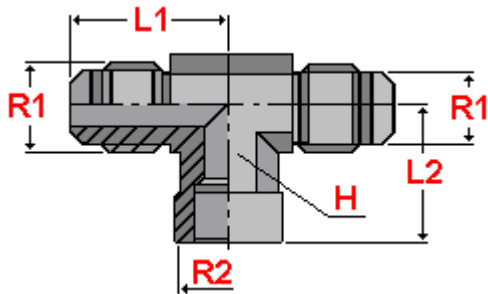
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Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] NPT Female Branch Tee – 35.292.

carbon steel NPT Female Branch Tee JIC Male x JIC Male x NPT Female



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel
Finish: Zinc-plated

part number	thread		dimensions			
	R1	R2	L1	L2		H
35.292.0402	7/16" – 20	1/8" – 27	27	17		14
35.292.0404	7/16" – 20	1/4" – 18	31	22		19
35.292.0502	1/2" – 20	1/8" – 27	27	17		16
35.292.0604	9/16" – 18	1/4" – 18	31	22		19
35.292.0606	9/16" – 18	3/8" – 19	33	26		22
35.292.0804	3/4" – 16	1/4" – 18	36	23		21
35.292.0806	3/4" – 16	3/8" – 18	36	26		22
35.292.0808	3/4" – 16	1/2" – 14	39	31		27
35.292.1006	7/8" – 14	3/8" – 18	40	27		24
35.292.1008	7/8" – 14	1/2" – 14	42	31		27
35.292.1012	7/8" – 14	3/4" – 14	45	35		35
35.292.1208	1.1/16" – 12	1/2" – 14	42	31		29
35.292.1212	1.1/16" – 12	3/4" – 14	48	35		33
35.292.1412	1.3/16" – 12	3/4" – 14	47	36		33
35.292.1616	1.5/16" – 12	1" – 11.1/2"	55	41		41
35.292.2020	1.5/8" – 12	1.1/4" – 11.1/2"	59	43		48
35.292.2424	1.7/8" – 12	1.1/2" – 11.1/2"	73	53		65
35.292.3232	2.1/2" – 12	2" – 11.1/2"	84	61		71

also available:

Balfit[®] Stainless Steel NPT Female Branch Tee

(add an 'S' at the end of the part number; ex: 35.292.0808 S)

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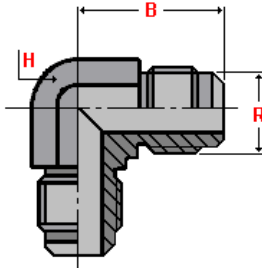
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Balfit® SAE 37° Flared Pipe Fittings



Balfit® 90° Elbow JIC Male Union – 35.500.

carbon steel JIC male x JIC male 90° elbow union connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	∅ tube		thread	dimensions	
	mm	inch		R	B
35.500.04	6	1/4"	7/16" – 20	22	14
35.500.05	8	5/16"	1/2" – 20	25	14
35.500.06	10	3/8"	9/16" – 18	25	14
35.500.08	12	1/2"	3/4" – 16	31	19
35.500.10	15	5/8"	7/8" – 14	35	22
35.500.12	20	3/4"	1.1/16" – 12	41	27
35.500.16	25	1"	1.5/16" – 12	50	35
35.500.20	32	1.1/4"	1.5/8" – 12	55	44
35.500.24	38	1.1/2"	1.7/8" – 12	61	50
35.500.32	50	2"	2.1/2" – 12	75	65

also available:

Balfit® Stainless Steel 90° Elbow Union

(add an 'S' at the end of the part number; ex: 35.500.04 S)

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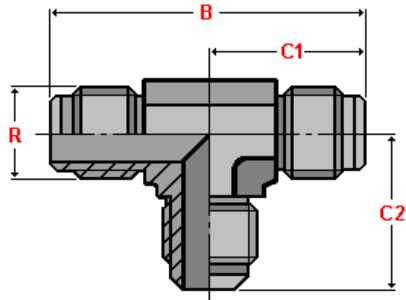
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Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] Union Tee JIC Male – 35.505.

carbon steel JIC male X JIC male X JIC male tee connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread	dimensions		
	mm	inch		R	B	C1
35.505.04	6	1/4"	7/16" – 20	45	23	23
35.505.05	8	5/16"	1/2" – 20	48	24	24
35.505.06	10	3/8"	9/16" – 18	54	27	27
35.505.08	12	1/2"	3/4" – 16	64	32	32
35.505.10	15	5/8"	7/8" – 14	74	37	37
35.505.12	20	3/4"	1.1/16" – 12	84	42	42
35.505.16	25	1"	1.5/16" – 12	92	46	46
35.505.20	32	1.1/4"	1.5/8" – 12	105	52	52
35.505.24	38	1.1/2"	1.7/8" – 12	118	59	59
35.505.32	50	2"	2.1/2" – 12	156	78	78

also available:

Balfit[®] Stainless Steel Union Tee

(add an 'S' at the end of the part number; ex: 35.505.04 S)

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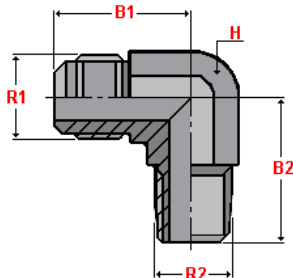
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Balfit® SAE 37° Flared Pipe Fittings



Balfit® 90° Elbow Male Connector (JIC x NPT) – 35.525.

carbon steel JIC male x NPT male 90° bend connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel
Finish: Zinc-plated

part number	∅ tube		thread		dimensions		
	mm	inch	R1	R2	B1	B2	H
35.525.0402	6	1/4"	7/16" – 20	1/8" – 27	25	24	14
35.525.0404	6	1/4"	7/16" – 20	1/4" – 18	26	27	14
35.525.0502	8	5/16"	1/2" – 20	1/8" – 18	26	24	14
35.525.0504	8	5/16"	1/2" – 20	1/4" – 18	26	27	14
35.525.0604	10	3/8"	9/16" – 18	1/4" – 18	26	27	14
35.525.0606	10	3/8"	9/16" – 18	3/8" – 18	27	32	19
35.525.0608	10	3/8"	9/16" – 18	1/2" – 14	27	36	22
35.525.0806	12	1/2"	3/4" – 16	3/8" – 18	35	32	19
35.525.0808	12	1/2"	3/4" – 16	1/2" – 14	36	36	22
35.525.0812	12	1/2"	3/4" – 16	3/4" – 14	36	40	27
35.525.1006	14	5/8"	7/8" – 14	3/8" – 18	34	37	22
35.525.1008	15	5/8"	7/8" – 14	1/2" – 14	34	36	22
35.525.1012	16	5/8"	7/8" – 14	3/4" – 14	39	43	27
35.525.1208	18	3/4"	1.1/16" – 12	1/2" – 14	40	42	27
35.525.1212	20	3/4"	1.1/16" – 12	3/4" – 14	40	43	27
35.525.1612	25	1"	1.5/16" – 12	3/4" – 14	47	46	35
35.525.1616	25	1"	1.5/16" – 12	1" – 11.1/2"	47	47	35
35.525.2016	32	1.1/4"	1.5/8" – 12	1" – 11.1/2"	56	57	44
35.525.2020	32	1.1/4"	1.5/8" – 12	1.1/4" – 11.1/2"	56	59	44
35.525.2424	38	1.1/2"	1.7/8" – 12	1.1/2" – 11.1/2"	62	62	50
35.525.3232	50	2"	2.1/2" – 12	2" – 11.1/2"	74	74	65

also available:

Balfit® Stainless Steel 90° Elbow Male Connector (JIC x NPT)

(add an 'S' at the end of the part number; ex: 35.525.0808 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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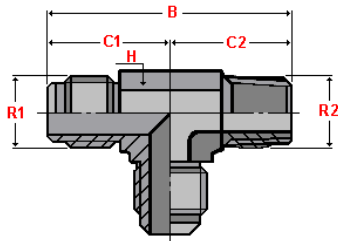
Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] NPT Run Tee – 35.530.

carbon steel NPT male x JIC male X JIC male run tee connector

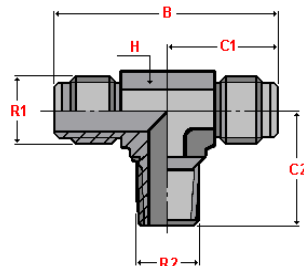
Balfit[®] NPT Branch Tee – 35.535.

carbon steel NPT male x JIC male X JIC male branch tee connector



Balfit[®] NPT Run Tee – 35.530.

According to **ISO 8434-2** According to **SAE J514**



Balfit[®] NPT Branch Tee – 35.535.

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube		thread		dimensions		
	mm	inch	R1	R2	B	C1	C2
35.530.0402	6	1/4"	7/16" - 20	1/8" - 27	43	23	20
35.530.0404	6	1/4"	7/16" - 20	1/4" - 18	53	25	28
35.530.0504	8	5/16"	1/2" - 20	1/4" - 18	51	24	27
35.530.0604	10	3/8"	9/16" - 18	1/4" - 18	55	27	28
35.530.0606	10	3/8"	9/16" - 18	3/8" - 18	55	27	28
35.530.0806	12	1/2"	3/4" - 16	3/8" - 18	63	32	31
35.530.0808	12	1/2"	3/4" - 16	1/2" - 14	63	32	31
35.530.1008	16	5/8"	7/8" - 14	1/2" - 14	74	37	37
35.530.1212	20	3/4"	1.1/16" - 12	3/4" - 14	82	42	40
35.530.1616	25	1"	1.5/16" - 12	1" - 11.1/2"	96	46	50
35.535.0402	6	1/4"	7/16" - 20	1/8" - 27	43	23	20
35.535.0404	6	1/4"	7/16" - 20	1/4" - 18	53	25	28
35.535.0504	8	5/16"	1/2" - 20	1/4" - 18	51	24	27
35.535.0604	10	3/8"	9/16" - 18	1/4" - 18	55	27	28
35.535.0606	10	3/8"	9/16" - 18	3/8" - 18	55	27	28
35.535.0806	12	1/2"	3/4" - 16	3/8" - 18	63	32	31
35.535.0808	12	1/2"	3/4" - 16	1/2" - 18	63	32	31
35.535.1008	16	5/8"	7/8" - 14	1/2" - 14	74	37	37
35.535.1212	20	3/4"	1.1/16" - 12	3/4" - 14	82	42	40
35.535.1616	25	1"	1.5/16" - 12	1" - 11.1/2"	96	46	50

also available:

Balfit[®] Stainless Steel NPT Run Tee

(add an 'S' at the end of the part number; ex: 35.530.0808 S)

Balfit[®] Stainless Steel NPT Branch Tee

(add an 'S' at the end of the part number; ex: 35.535.0808 S)

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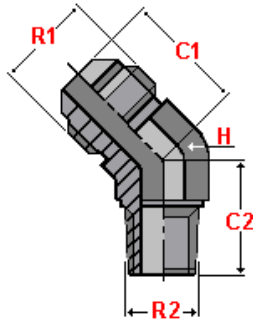
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Balfit® SAE 37° Flared Pipe Fittings



Balfit® 45° Elbow Male Connector (JIC x NPT) – 35.540.

carbon steel JIC (SAE-ORB thread, 37° flared) male x NPT taper thread male 45° elbow connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube		thread		dimensions		
	mm	inch	R1	R2	C1	C2	H
35.540.0402	6	1/4"	7/16" – 20	1/8" – 27	20	18	14
35.540.0404	6	1/4"	7/16" – 20	1/4" – 18	21	20	14
35.540.0502	8	5/16"	1/2" – 20	1/8" – 18	22	20	14
35.540.0504	8	5/16"	1/2" – 20	1/4" – 18	22	20	14
35.540.0604	10	3/8"	9/16" – 18	1/4" – 18	22	20	14
35.540.0606	10	3/8"	9/16" – 18	3/8" – 18	22	23	19
35.540.0608	10	3/8"	9/16" – 18	1/2" – 14	22	28	22
35.540.0806	12	1/2"	3/4" – 16	3/8" – 18	19	23	19
35.540.0808	12	1/2"	3/4" – 16	1/2" – 14	19	28	22
35.540.0812	12	1/2"	3/4" – 16	3/4" – 14	19	29	27
35.540.1006	14	5/8"	7/8" – 14	3/8" – 18	29	23	22
35.540.1008	15	5/8"	7/8" – 14	1/2" – 14	29	28	22
35.540.1012	16	5/8"	7/8" – 14	3/4" – 14	29	29	27
35.540.1208	18	3/4"	1.1/16" – 12	1/2" – 14	29	28	27
35.540.1212	20	3/4"	1.1/16" – 12	3/4" – 14	29	29	27
35.540.1612	25	1"	1.5/16" – 12	3/4" – 14	29	29	35
35.540.1616	25	1"	1.5/16" – 12	1" – 11.1/2"	38	38	35
35.540.2016	32	1.1/4"	1.5/8" – 12	1" – 11.1/2"	42	43	44
35.540.2020	32	1.1/4"	1.5/8" – 12	1.1/4" – 11.1/2"	42	43	44
35.540.2424	38	1.1/2"	1.7/8" – 12	1.1/2" – 11.1/2"	44	43	50
35.540.3232	50	2"	2.1/2" – 12	2" – 11.1/2"	53	52	65

also available:

Balfit® Stainless Steel 45° Elbow Connector

(add an 'S' at the end of the part number; ex: 35.540.0806 S)

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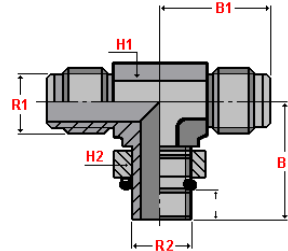
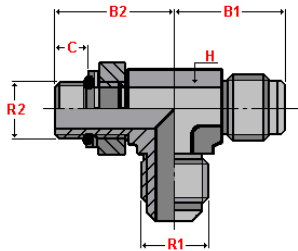
Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] Orientable SAE-ORB Run Tee – 35.580.

carbon steel SAE-ORB O-Ring Boss male x JIC male x JIC male run tee connector

Balfit[®] Orientable SAE-ORB Branch Tee – 35.585.

carbon steel SAE-ORB O-Ring Boss male x JIC male X JIC male branch tee connector



Balfit[®] Orientable SAE-ORB Run Tee – 35.580.

Balfit[®] Orientable SAE-ORB Branch Tee – 35.585.

According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	∅ tube		thread		dimensions			
	mm	inch	R1	R2	B1	B2	C	H
35.580.0404	6	1/4"	7/16" – 20	7/16" – 20	23	26	9	11
35.580.0505	8	5/16"	1/2" – 20	1/2" – 20	24	28	9	13
35.580.0606	10	3/8"	9/16" – 18	9/16" – 18	27	32	10	14
35.580.0808	12	1/2"	3/4" – 16	3/4" – 16	32	37	11	19
35.580.1010	15	5/8"	7/8" – 14	7/8" – 14	37	43	13	22
35.580.1212	20	3/4"	1.1/16" – 12	1.1/16" – 12	42	49	15	27
35.580.1616	25	1"	1.5/16" – 12	1.5/16" – 12	46	52	15	33

part number	∅ tube		thread		dimensions			
	mm	inch	R1	R2	B1	B2	H1	H2
35.585.0404	6	1/4"	7/16" – 20	7/16" – 20	23	26	11	14
35.585.0505	8	5/16"	1/2" – 20	1/2" – 20	24	28	13	16
35.585.0606	10	3/8"	9/16" – 18	9/16" – 18	27	32	14	17
35.585.0808	12	1/2"	3/4" – 16	3/4" – 16	32	37	19	22
35.585.1010	15	5/8"	7/8" – 14	7/8" – 14	37	43	22	27
35.585.1212	20	3/4"	1.1/16" – 12	1.1/16" – 12	42	49	27	32
35.585.1616	25	1"	1.5/16" – 12	1.5/16" – 12	46	52	33	38

also available:

Balfit[®] Stainless Steel Orientable SAE-ORB O-Ring Boss Run Tee

(add an 'S' at the end of the part number; ex: 35.580.0808 S)

Balfit[®] Stainless Steel Orientable SAE-ORB O-Ring Boss Branch Tee

(add an 'S' at the end of the part number; ex: 35.585.0808 S)

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Balfit® SAE 37° Flared Pipe Fittings

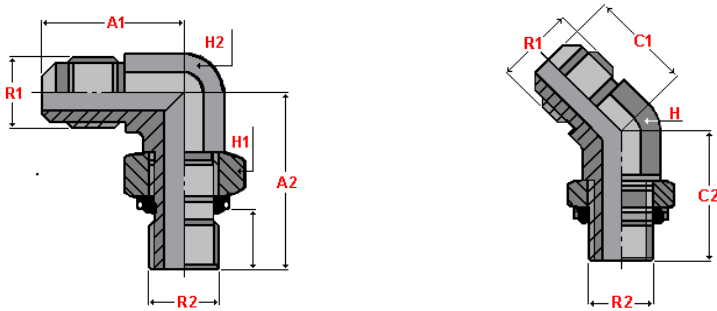


Balfit® 90° Elbow JIC Male x SAE-ORB – 35.575.

carbon steel JIC male x SAE-ORB male 90° elbow "adjustable" connector

Balfit® 45° Elbow JIC Male x SAE-ORB – 35.590.

carbon steel JIC male x SAE-ORB male 45° elbow "adjustable" connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel
Finish: Zinc-plated

part number	∅ tube		thread		dimensions			
	mm	inch	R1	R2	A1	A2	H1	H2
35.575.0404	6	1/4"	7/16" – 20	7/16" – 20	24	26	14	11
35.575.0505	8	5/16"	1/2" – 20	1/2" – 20	26	32	17	14
35.575.0606	10	3/8"	9/16" – 18	9/16" – 18	26	32	17	14
35.575.0808	12	1/2"	3/4" – 16	3/4" – 16	31	37	22	19
35.575.1010	15	5/8"	7/8" – 14	7/8" – 14	35	43	25	22
35.575.1212	20	3/4"	1.1/16" – 12	1.1/16" – 12	41	49	32	27
35.575.1616	25	1"	1.5/16" – 12	1.5/16" – 12	47	52	38	35
35.575.2020	32	1.1/4"	1.5/8" – 12	1.5/8" – 12	57	57	48	43

part number	∅ tube		thread		dimensions		
	mm	inch	R1	R2	C1	C2	H
35.590.0404	6	1/4"	7/16" – 20	7/16" – 20	19	27	14
35.590.0505	8	5/16"	1/2" – 20	1/2" – 20	22	29	17
35.590.0606	10	3/8"	9/16" – 18	9/16" – 18	22	29	17
35.590.0808	12	1/2"	3/4" – 16	3/4" – 16	26	33	22
35.590.1010	15	5/8"	7/8" – 14	7/8" – 14	30	39	25
35.590.1212	20	3/4"	1.1/16" – 12	1.1/16" – 12	35	44	32
35.590.1616	25	1"	1.5/16" – 12	1.5/16" – 12	39	47	38
35.590.2020	32	1.1/4"	1.5/8" – 12	1.5/8" – 12	40	49	48

also available:

Balfit® Stainless Steel 90° Elbow JIC Male x SAE-ORB

(add an 'S' at the end of the part number; ex: 35.575.0808 S)

Balfit® Stainless Steel 45° Elbow JIC Male x SAE-ORB

(add an 'S' at the end of the part number; ex: 35.590.0808 S)

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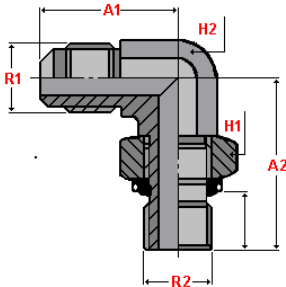
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Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] 90° Elbow JIC Male x BSPP Male – 35.600.

carbon steel 90° elbow JIC male x BSPP parallel male connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube		thread		dimensions			
	mm	inch	R1	R2	A1	A2	H1	H2
35.600.0402	6	1/4"	7/16" - 20	1/8" - 28	23	26	11	11
35.600.0404	6	1/4"	7/16" - 20	1/4" - 19	27	32	14	14
35.600.0504	8	5/16"	1/2" - 20	1/4" - 19	27	33	14	14
35.600.0604	10	3/8"	9/16" - 18	1/4" - 19	27	32	14	14
35.600.0606	10	3/8"	9/16" - 18	3/8" - 19	29	37	19	19
35.600.0806	12	1/2"	3/4" - 16	3/8" - 19	32	37	19	19
35.600.0808	12	1/2"	3/4" - 16	1/2" - 14	34	43	22	22
35.600.1006	14	5/8"	7/8" - 14	3/8" - 19	37	43	22	22
35.600.1008	15	5/8"	7/8" - 14	1/2" - 14	43	43	22	22
35.600.1012	16	5/8"	7/8" - 14	3/4" - 14	37	50	27	36
35.600.1208	20	3/4"	1.1/16" - 12	1/2" - 14	42	50	27	27
35.600.1212	20	3/4"	1.1/16" - 12	3/4" - 14	42	50	27	36
35.600.1616	25	1"	1.5/16" - 12	1" - 11	46	52	33	41
35.600.2020	32	1.1/4"	1.5/8" - 12	1.1/4" - 11	52	57	41	50
35.600.2424	38	1.1/2"	1.7/8" - 12	1.1/2" - 11	59	61	48	55

also available:

Balfit[®] Stainless Steel 90° Elbow JIC Male x BSPP Male

(add an 'S' at the end of the part number; ex: 35.600.0808 S)

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Balfit® SAE 37° Flared Pipe Fittings

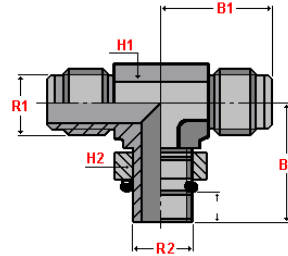
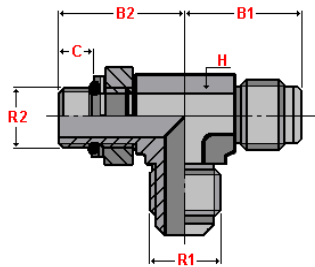


Balfit® Orientable BSPP Run Tee – 35.605.

carbon steel BSP parallel male x JIC male X JIC male run tee connector

Balfit® Orientable BSPP Branch Tee – 35.610.

carbon steel BSP parallel male x JIC male x JIC male branch tee connector



Balfit® Orientable BSPP Run Tee – 35.605.

Balfit® Orientable BSPP Branch Tee – 35.610.

According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	∅ tube		thread		dimensions			
	mm	inch	R1	R2	B1	B2	C	H
35.605.0402	6	1/4"	7/16" - 20	1/8" - 28	23	26	6	11
35.605.0502	8	5/16"	1/2" - 20	1/8" - 28	24	28	6	13
35.605.0604	10	3/8"	9/16" - 18	1/4" - 19	27	32	10	14
35.605.0606	10	3/8"	9/16" - 18	3/8" - 19	27	37	10	19
35.605.0806	12	1/2"	3/4" - 16	3/8" - 19	32	37	10	19
35.605.0808	12	1/2"	3/4" - 16	1/2" - 19	32	37	19	22
35.605.1008	16	5/8"	7/8" - 14	1/2" - 14	37	43	13	22
35.605.1212	20	3/4"	1.1/16" - 12	3/4" - 14	42	50	13	27

part number	∅ tube		thread		dimensions			
	mm	inch	R1	R2	B1	B2	H1	H2
35.610.0402	6	1/4"	7/16" - 20	1/8" - 28	23	26	11	14
35.610.0502	8	5/16"	1/2" - 20	1/8" - 28	24	28	13	14
35.610.0604	10	3/8"	9/16" - 18	1/4" - 19	27	32	14	19
35.610.0606	10	3/8"	9/16" - 18	3/8" - 19	27	37	19	22
35.610.0806	12	1/2"	3/4" - 16	3/8" - 19	32	37	19	22
35.610.1008	16	5/8"	7/8" - 14	1/2" - 14	37	43	22	27
35.610.1212	20	3/4"	1.1/16" - 12	3/4" - 14	42	50	27	36
35.610.1616	25	1"	1.5/16" - 12	1" - 11	46	52	33	41

also available:

Balfit® Stainless Steel Orientable BSPP Run Tee

(add an 'S' at the end of the part number; ex: 35.605.0808 S)

Balfit® Stainless Steel Orientable BSPP Branch Tee

(add an 'S' at the end of the part number; ex: 35.610.0808 S)

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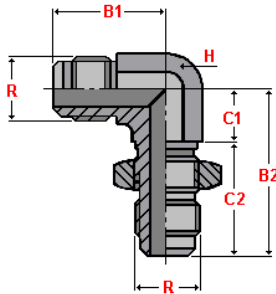
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Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] Bulkhead 90° Elbow Union – 35.650.

carbon steel JIC male x JIC male bulkhead 90° elbow connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread	dimensions				
	mm	inch		R1	B1	B2	C1	C2
35.650.04	6	1/4"	7/16" - 20	25	40	12	28	11
35.650.05	8	5/16"	1/2" - 20	26	41	13	28	13
35.650.06	10	3/8"	9/16" - 18	28	46	16	30	14
35.650.08	12	1/2"	3/4" - 16	35	54	19	35	19
35.650.10	15	5/8"	7/8" - 14	40	61	22	39	22
35.650.12	20	3/4"	1.1/16" - 12	45	68	25	43	27
35.650.16	25	1"	1.5/16" - 12	49	71	28	43	33
35.650.20	32	1.1/4"	1.5/8" - 12	55	79	35	44	41

also available:

Balfit[®] Stainless Steel Bulkhead 90° Elbow Union

(add an 'S' at the end of the part number; ex: 35.650.08 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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Balfit® SAE 37° Flared Pipe Fittings

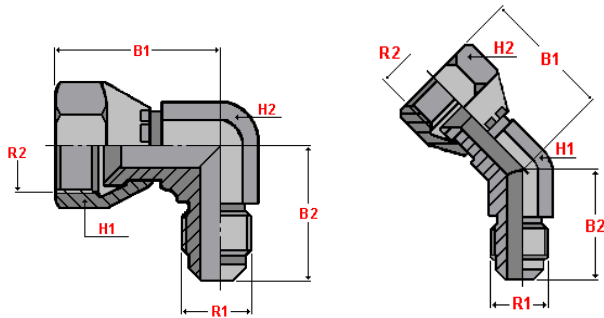


Balfit® Swivel 90° Elbow – 35.675.

carbon steel swivel JIC female x JIC male 90° elbow connector

Balfit® Swivel 45° Elbow – 35.690.

carbon steel swivel JIC female x JIC male 45° elbow connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	∅ tube		thread		dimensions			
	mm	inch	R1	R2	B1	B2	H1	H2
35.675.0404	6	1/4"	7/16" - 20	7/16" - 20	25	23	16	11
35.675.0505	8	5/16"	1/2" - 20	1/2" - 20	27	24	16	13
35.675.0606	10	3/8"	9/16" - 18	9/16" - 18	32	27	19	14
35.675.0808	12	1/2"	3/4" - 16	3/4" - 16	35	32	22	19
35.675.1010	16	5/8"	7/8" - 14	7/8" - 14	41	37	27	22
35.675.1212	20	3/4"	1.1/16" - 12	1.1/16" - 12	44	42	32	27
35.675.1616	25	1"	1.5/16" - 12	1.5/16" - 12	51	46	38	33
35.675.2020	32	1.1/4"	1.5/8" - 12	1.5/8" - 12	59	52	50	41
35.675.2424	38	1.1/2"	1.7/8" - 12	1.7/8" - 12	66	59	60	48
35.675.3232	50	2"	2.1/2" - 12	2.1/2" - 12	78	85	66	70

part number	∅ tube		thread		dimensions			
	mm	inch	R1	R2	B1	B2	H1	H2
35.690.0404	6	1/4"	7/16" - 20	7/16" - 20	18	25	16	11
35.690.0505	8	5/16"	1/2" - 20	1/2" - 20	20	27	16	13
35.690.0606	10	3/8"	9/16" - 18	9/16" - 18	21	29	19	14
35.690.0808	12	1/2"	3/4" - 16	3/4" - 16	25	32	22	19
35.690.1010	16	5/8"	7/8" - 14	7/8" - 14	28	37	27	22
35.690.1212	20	3/4"	1.1/16" - 12	1.1/16" - 12	33	46	32	27
35.690.1616	25	1"	1.5/16" - 12	1.5/16" - 12	37	46	38	33

also available:

Balfit® Stainless Steel Swivel 90° Elbow

(add an 'S' at the end of the part number; ex: 35.675.0808 S)

Balfit® Stainless Steel Swivel 45° Elbow

(add an 'S' at the end of the part number; ex: 35.690.0808 S)

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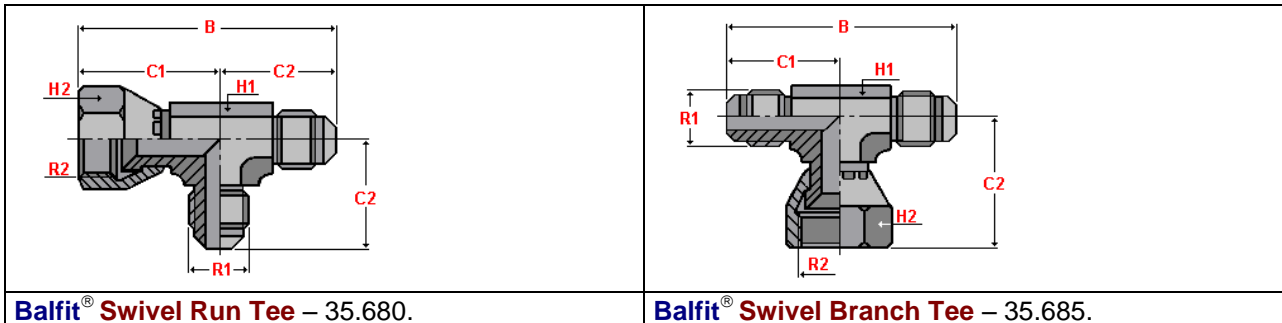
Balfit[®] SAE 37° Flared Pipe Fittings

Balfit[®] Swivel Run Tee – 35.680.

carbon steel swivel JIC female x JIC male x JIC male run tee connector

Balfit[®] Swivel Branch Tee – 35.685.

carbon steel swivel JIC female x JIC male x JIC male branch tee connector



Balfit[®] Swivel Run Tee – 35.680.

Balfit[®] Swivel Branch Tee – 35.685.

According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread		dimensions				
	mm	inch	R1	R2	B	C1	C2	H1	H2
35.680.0404	6	1/4"	7/16" – 20	7/16" – 20	48	25	23	11	16
35.680.0505	8	5/16"	1/2" – 20	1/2" – 20	51	27	24	13	16
35.680.0606	10	3/8"	9/16" – 18	9/16" – 18	59	32	27	14	19
35.680.0808	12	1/2"	3/4" – 16	3/4" – 16	67	35	32	19	22
35.680.1010	15	5/8"	7/8" – 14	7/8" – 14	78	41	37	22	27
35.680.1212	20	3/4"	1.1/16" – 12	1.1/16" – 12	87	44	42	27	32
35.680.1616	25	1"	1.5/16" – 12	1.5/16" – 12	97	51	46	33	38
35.680.2020	32	1.1/4"	1.5/8" – 12	1.5/8" – 12	111	58	52	41	50
35.685.0404	6	1/4"	7/16" – 20	7/16" – 20	46	23	25	11	16
35.685.0505	8	5/16"	1/2" – 20	1/2" – 20	48	24	27	13	19
35.685.0606	10	3/8"	9/16" – 18	9/16" – 18	54	27	32	14	22
35.685.0808	12	1/2"	3/4" – 16	3/4" – 16	64	32	35	19	27
35.685.1010	15	5/8"	7/8" – 14	7/8" – 14	74	37	41	22	32
35.685.1212	20	3/4"	1.1/16" – 12	1.1/16" – 12	84	42	44	27	38
35.685.1616	25	1"	1.5/16" – 12	1.5/16" – 12	92	46	51	33	50
35.685.2020	32	1.1/4"	1.5/8" – 12	1.5/8" – 12	104	52	58	41	50

also available:

Balfit[®] Stainless Steel Swivel Run Tee

(add an 'S' at the end of the part number; ex: 35.680.0808 S)

Balfit[®] Stainless Steel Swivel Branch Tee

(add an 'S' at the end of the part number; ex: 35.685.0808 S)

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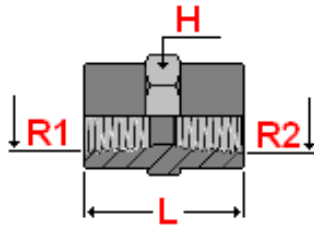
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Balfit® NPT Connectors



Balfit® NPT Female x NPT Female Connector – 35.281.

carbon steel NPT Female x NPT Female Connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions				working pressure bar
	R1	R2	L		H		
35.281.0202	1/8" – 27	1/8" – 27	19		14	345	
35.281.0402	1/4" – 18	1/8" – 27	29		19	345	
35.281.0404	1/4" – 18	1/4" – 18	29		19	345	
35.281.0602	3/8" – 18	1/8" – 27	29		19	275	
35.281.0604	3/8" – 18	1/4" – 18	29		19	275	
35.281.0606	3/8" – 18	3/8" – 18	29		19	275	
35.281.0802	1/2" – 14	1/8" – 27	38		27	210	
35.281.0804	1/2" – 14	1/4" – 18	38		27	210	
35.281.0806	1/2" – 14	3/8" – 18	38		27	210	
35.281.0808	1/2" – 14	1/2" – 14	38		27	210	
35.281.1204	3/4" – 14	1/4" – 18	38		36	170	
35.281.1206	3/4" – 14	3/8" – 18	39		36	170	
35.281.1208	3/4" – 14	1/2" – 14	39		36	170	
35.281.1212	3/4" – 14	3/4" – 14	39		36	170	
35.281.1606	1" – 11.1/2"	3/8" – 18	39		41	140	
35.281.1608	1" – 11.1/2"	1/2" – 14	48		41	140	
35.281.1612	1" – 11.1/2"	3/4" – 14	48		41	140	
35.281.1616	1" – 11.1/2"	1" – 11.1/2"	48		41	140	
35.281.2012	1.1/4" – 11.1/2"	3/4" – 14	49		50	80	
35.281.2016	1.1/4" – 11.1/2"	1" – 11.1/2"	49		50	80	
35.281.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	49		50	80	
35.281.2416	1.1/2" – 11.1/2"	1" – 11.1/2"	49		60	70	
35.281.2420	1.1/2" – 11.1/2"	1.1/4" – 11.1/2"	49		60	70	
35.281.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	49		60	70	
35.281.3232	2" – 11.1/2"	2" – 11.1/2"	50		75	70	

also available:

Balfit® Stainless Steel NPT Female x NPT Female Connector

(add an 'S' at the end of the part number; ex: 35.281.0808 S)

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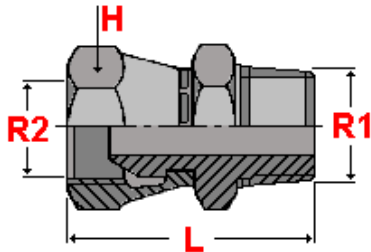
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Balfit[®] NPT Connectors

Balfit[®] NPT Male x Swivel NPSM Female Connector – 35.282

carbon steel NPT Male x Swivel NPSM Female Connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions		working pressure bar
	R1	R2	L	H	
35.282.0202	1/8" – 27	1/8" – 27	25	17	345
35.282.0402	1/4" – 18	1/8" – 27	30	17	345
35.282.0404	1/4" – 18	1/4" – 18	31	17	345
35.282.0406	1/4" – 18	3/8" – 18	32	22	275
35.282.0408	1/4" – 18	1/2" – 14	36	22	210
35.282.0604	3/8" – 18	1/4" – 18	33	22	275
35.282.0606	3/8" – 18	3/8" – 18	33	22	275
35.282.0608	3/8" – 18	1/2" – 14	33	25	210
35.282.0804	1/2" – 14	1/4" – 18	39	25	210
35.282.0806	1/2" – 14	3/8" – 18	40	25	210
35.282.0808	1/2" – 14	1/2" – 14	41	25	210
35.282.0812	1/2" – 14	3/4" – 14	44	32	170
35.282.1206	3/4" – 14	3/8" – 18	39	32	170
35.282.1208	3/4" – 14	1/2" – 14	42	32	170
35.282.1212	3/4" – 14	3/4" – 14	44	32	170
35.282.1216	3/4" – 14	1" – 11.1/2"	45	36	140
35.282.1220	3/4" – 14	1.1/4" – 11.1/2"	47	46	80
35.282.1606	1" – 11.1/2"	3/8" – 18	46	36	140
35.282.1608	1" – 11.1/2"	1/2" – 14	46	36	140
35.282.1612	1" – 11.1/2"	3/4" – 14	47	36	140
35.282.1616	1" – 11.1/2"	1" – 11.1/2"	51	36	140
35.282.1620	1" – 11.1/2"	1.1/4" – 11.1/2"	52	46	80
35.282.2016	1.1/4" – 11.1/2"	1" – 11.1/2"	51	46	80
35.282.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	52	46	80
35.282.2024	1.1/4" – 11.1/2"	1.1/2" – 11.1/2"	56	55	70
35.282.2420	1.1/2" – 11.1/2"	1.1/4" – 11.1/2"	55	55	70
35.282.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	56	55	70
35.282.3232	2" – 11.1/2"	2" – 11.1/2"	60	65	70

also available:

Balfit[®] Stainless Steel NPT Male x Swivel NPSM Female Connector

(add an 'S' at the end of the part number; ex: 35.282.0404 S)

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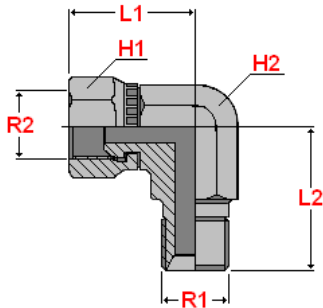
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Balfit[®] NPT Connectors



Balfit[®] 90° Elbow NPT Male x Swivel NPSM Female – 35.283.

carbon steel 90° Elbow NPT Male x Swivel NPSM Female



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions				working pressure bar
	R1	R2	L1	L2	H1	H2	
35.283.0202	1/8" – 27	1/8" – 27	23	20	14	14	345
35.283.0204	1/8" – 27	1/4" – 18	23	22	14	14	345
35.283.0402	1/4" – 18	1/8" – 27	28	20	14	14	345
35.283.0404	1/4" – 18	1/4" – 18	28	22	14	14	345
35.283.0406	1/4" – 18	3/8" – 18	31	25	19	19	275
35.283.0408	1/4" – 18	1/2" – 14	33	28	22	22	210
35.283.0604	3/8" – 18	1/4" – 18	31	25	19	19	275
35.283.0606	3/8" – 18	3/8" – 18	31	25	19	19	275
35.283.0608	3/8" – 18	1/2" – 14	33	28	22	22	210
35.283.0612	3/8" – 18	3/4" – 14	29	33	32	32	170
35.283.0804	1/2" – 14	1/4" – 18	37	26	22	22	210
35.283.0806	1/2" – 14	3/8" – 18	37	26	22	22	210
35.283.0808	1/2" – 14	1/2" – 14	37	28	22	22	210
35.283.0812	1/2" – 14	3/4" – 14	40	33	27	27	170
35.283.1204	3/4" – 14	1/4" – 18	51	24	32	32	170
35.283.1206	3/4" – 14	3/8" – 18	40	32	27	27	170
35.283.1208	3/4" – 14	1/2" – 14	40	34	27	27	170
35.283.1212	3/4" – 14	3/4" – 14	40	33	27	27	170
35.283.1216	3/4" – 14	1" – 11.1/2"	45	39	33	33	140
35.283.1220	3/4" – 14	1.1/4" – 11.1/2"	60	41	46	46	80
35.283.1608	1" – 11.1/2"	1/2" – 14	60	31	38	38	140
35.283.1612	1" – 11.1/2"	3/4" – 14	50	36	32	32	140
35.283.1616	1" – 11.1/2"	1" – 11.1/2"	50	39	32	32	140
35.283.1620	1" – 11.1/2"	1.1/4" – 11.1/2"	60	44	41	41	80
35.283.2012	1.1/4" – 11.1/2"	3/4" – 14	67	40	46	46	80
35.283.2016	1.1/4" – 11.1/2"	1" – 11.1/2"	60	43	41	41	80
35.283.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	60	44	41	41	80
35.283.2024	1.1/4" – 11.1/2"	1.1/2" – 11.1/2"	71	44	55	55	70
35.283.2420	1.1/2" – 11.1/2"	1.1/4" – 11.1/2"	67	45	46	46	70
35.283.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	67	48	46	46	70
35.283.3232	2" – 11.1/2"	2" – 11.1/2"	76	58	65	65	70

also available:

Balfit[®] Stainless Steel Male 90° Elbow NPT Male x Swivel NPSM Female

(add an 'S' at the end of the part number; ex: 35.283.0404 S)

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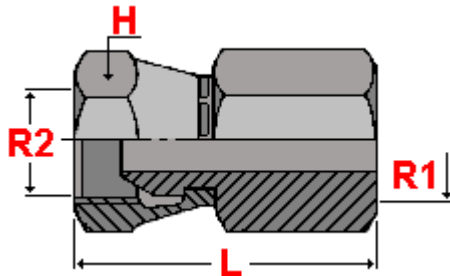
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Balfit[®] NPT Connectors

Balfit[®] NPT Female x Swivel NPSM Female – 35.285

carbon steel NPT Female x Swivel NPSM Female Connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions				working pressure bar
	R1	R2	L		H		
35.285.0204	1/8" – 27	1/4" – 18	32		17	345	
35.285.0402	1/4" – 18	1/8" – 27	30		17	345	
35.285.0404	1/4" – 18	1/4" – 18	31		17	345	
35.285.0406	1/4" – 18	3/8" – 18	32		17	275	
35.285.0604	3/8" – 18	1/4" – 18	33		19	275	
35.285.0606	3/8" – 18	3/8" – 18	33		19	275	
35.285.0608	3/8" – 18	1/2" – 14	34		22	210	
35.285.0804	1/2" – 14	1/4" – 18	39		22	210	
35.285.0806	1/2" – 14	3/8" – 18	37		22	210	
35.285.0808	1/2" – 14	1/2" – 14	38		22	210	
35.285.0812	1/2" – 14	3/4" – 14	41		32	170	
35.285.1208	3/4" – 14	1/2" – 14	39		32	170	
35.285.1212	3/4" – 14	3/4" – 14	41		31	170	
35.285.1216	3/4" – 14	1" – 11.1/2"	49		36	140	
35.285.1612	1" – 11.1/2"	3/4" – 14	49		36	140	
35.285.1616	1" – 11.1/2"	1" – 11.1/2"	51		36	140	
35.285.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	51		46	80	
35.285.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	51		55	70	
35.285.3232	2" – 11.1/2"	2" – 11.1/2"	54		65	70	

also available:

Balfit[®] Stainless Steel NPT Female x Swivel NPSM Female

(add an 'S' at the end of the part number; ex: 35.285.0404 S)

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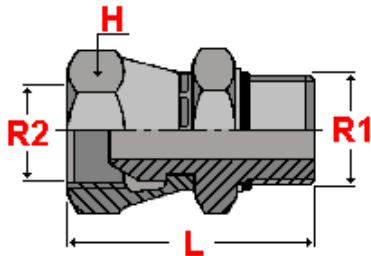
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Balfit® NPT Connectors



Balfit® SAE-ORB Male x Swivel NPSM Female – 35.286

carbon steel SAE-ORB Male x Swivel NPSM Female Connector



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions				working pressure bar
	R1	R2	L		H		
35.286.0402	7/16" – 20	1/8" – 27	27		14	345	
35.286.0404	7/16" – 20	1/4" – 18	28		14	345	
35.286.0406	7/16" – 20	3/8" – 18	29		19	345	
35.286.0408	7/16" – 20	1/2" – 14	31		19	345	
35.286.0504	1/2" – 20	1/4" – 18	28		17	345	
35.286.0506	1/2" – 20	3/8" – 18	31		19	345	
35.286.0604	9/16" – 18	1/4" – 18	27		17	345	
35.286.0606	9/16" – 18	3/8" – 18	30		17	275	
35.286.0608	9/16" – 18	1/2" – 14	31		22	210	
35.286.0804	3/4" – 16	1/4" – 18	31		22	275	
35.286.0806	3/4" – 16	3/8" – 18	31		22	275	
35.286.0808	3/4" – 16	1/2" – 14	31		22	210	
35.286.0812	3/4" – 16	3/4" – 14	36		25	170	
35.286.1006	7/8" – 14	3/8" – 18	34		25	240	
35.286.1008	7/8" – 14	1/2" – 14	41		25	210	
35.286.1012	7/8" – 14	3/4" – 14	38		25	170	
35.286.1206	1.1/16" – 12	3/8" – 18	39		32	210	
35.286.1208	1.1/16" – 12	1/2" – 14	37		32	210	
35.286.1212	1.1/16" – 12	3/4" – 14	40		32	170	
35.286.1216	1.1/16" – 12	1" – 11.1/2"	41		32	140	
35.286.1412	1.3/16" – 12	3/4" – 14	50		36	170	
35.286.1416	1.3/16" – 12	1" – 11.1/2"	44		36	140	
35.286.1608	1.5/16" – 12	1/2" – 14	41		36	170	
35.286.1612	1.5/16" – 12	3/4" – 14	43		41	170	
35.286.1616	1.5/16" – 12	1" – 11.1/2"	43		41	140	
35.286.1620	1.5/16" – 12	1.1/4" – 11.1/2"	48		46	80	
35.286.2012	1.5/8" – 12	3/4" – 14	45		46	80	
35.286.2016	1.5/8" – 12	1" – 11.1/2"	46		46	80	
35.286.2020	1.5/8" – 12	1.1/4" – 11.1/2"	57		46	80	
35.286.2420	1.7/8" – 12	1.1/4" – 11.1/2"	50		55	70	
35.286.2424	1.7/8" – 12	1.1/2" – 11.1/2"	50		55	70	
35.286.3232	2.1/2" – 12	2" – 11.1/2"	55		55	70	

also available:

Balfit® Stainless Steel SAE-ORB Male x Swivel NPSM Female

(add an 'S' at the end of the part number; ex: 35.286.0404 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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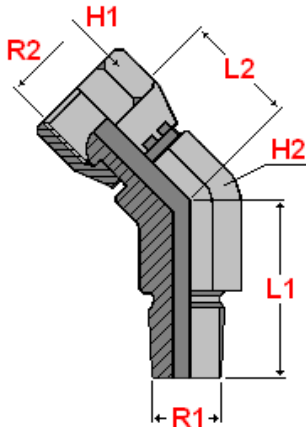
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Balfit[®] NPT Connectors

Balfit[®] 45° Elbow NPT Male x NPSM Swivel Female – 35.287

carbon steel 45° Elbow NPT Male x NPSM Swivel Female



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions				working pressure bar
	R1	R2	L1	L2	H1	H2	
35.287.0204	1/8" – 27	1/4" – 18	17	12	17	17	345
35.287.0402	1/4" – 18	1/8" – 27	23	13	17	17	345
35.287.0404	1/4" – 18	1/4" – 18	22	19	14	14	345
35.287.0406	1/4" – 18	3/8" – 18	19	27	22	22	275
35.287.0408	1/4" – 18	1/2" – 14	33	18	25	25	210
35.287.0604	3/8" – 18	1/4" – 18	24	20	19	19	275
35.287.0606	3/8" – 18	3/8" – 18	24	21	19	19	275
35.287.0608	3/8" – 18	1/2" – 14	25	22	22	22	210
35.287.0804	1/2" – 14	1/4" – 18	19	35	25	25	210
35.287.0806	1/2" – 14	3/8" – 18	30	21	22	22	210
35.287.0808	1/2" – 14	1/2" – 14	30	22	22	22	210
35.287.0812	1/2" – 14	3/4" – 14	30	26	27	27	170
35.287.1206	3/4" – 14	3/8" – 18	34	25	32	32	170
35.287.1208	3/4" – 14	1/2" – 14	30	27	27	27	170
35.287.1212	3/4" – 14	3/4" – 14	30	26	27	27	170
35.287.1216	3/4" – 14	1" – 11.1/2"	33	29	33	33	140
35.287.1612	1" – 11.1/2"	3/4" – 14	38	26	33	33	140
35.287.1616	1" – 11.1/2"	1" – 11.1/2"	38	29	33	33	140
35.287.1620	1" – 11.1/2"	1.1/4" – 11.1/2"	42	31	41	41	80
35.287.2016	1.1/4" – 11.1/2"	1" – 11.1/2"	42	30	41	41	80
35.287.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	42	31	41	41	80
35.287.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	45	34	48	48	70
35.287.3232	2" – 11.1/2"	2" – 11.1/2"	54	37	64	64	70

also available:

Balfit[®] Stainless Steel 45° Elbow NPT Male x NPSM Swivel Female

(add an 'S' at the end of the part number; ex: 35.287.0404 S)

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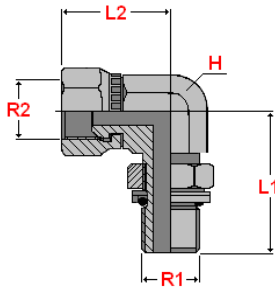
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Balfit® NPT Connectors



Balfit® 90° Elbow SAE-ORB Male x NPSM Swivel Female 35.289

carbon steel 90° Elbow SAE-ORB Adjustable Male x NPSM Swivel Female



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions			working pressure
	R1	R2	L1	L2	H	bar
35.289.0402	7/16" - 20	1/8" - 27	28	19	14	345
35.289.0404	7/16" - 20	1/4" - 18	26	25	19	345
35.289.0406	7/16" - 20	3/8" - 18	32	24	22	345
35.289.0408	7/16" - 20	1/2" - 14	33	26	25	345
35.289.0504	1/2" - 20	1/4" - 18	29	20	19	345
35.289.0604	9/16" - 18	1/4" - 18	32	27	19	345
35.289.0606	9/16" - 18	3/8" - 18	32	28	22	275
35.289.0608	9/16" - 18	1/2" - 14	35	34	27	210
35.289.0804	3/4" - 16	1/4" - 18	38	23	19	275
35.289.0806	3/4" - 16	3/8" - 18	37	30	22	275
35.289.0808	3/4" - 16	1/2" - 14	37	34	27	210
35.289.0812	3/4" - 16	3/4" - 14	41	42	33	170
35.289.1004	7/8" - 14	1/4" - 18	42	23	29	240
35.289.1006	7/8" - 14	3/8" - 18	43	32	29	240
35.289.1008	7/8" - 14	1/2" - 14	43	35	29	210
35.289.1012	7/8" - 14	3/4" - 14	45	41	29	170
35.289.1206	1.1/16" - 12	3/8" - 18	49	28	32	210
35.289.1208	1.1/16" - 12	1/2" - 14	49	38	32	210
35.289.1212	1.1/16" - 12	3/4" - 14	49	42	42	170
35.289.1216	1.1/16" - 12	1" - 11.1/2"	51	32	42	140
35.289.1412	1.3/16" - 12	3/4" - 14	49	32	32	170
35.289.1416	1.3/16" - 12	1" - 11.1/2"	51	53	32	140
35.289.1612	1.5/16" - 12	3/4" - 14	53	25	33	170
35.289.1616	1.5/16" - 12	1" - 11.1/2"	52	48	48	140
35.289.1620	1.5/16" - 12	1.1/4" - 11.1/2"	57	56	56	80
35.289.2012	1.5/8" - 12	3/4" - 14	63	51	51	80
35.289.2016	1.5/8" - 12	1" - 11.1/2"	57	53	53	80
35.289.2020	1.5/8" - 12	1.1/4" - 11.1/2"	57	56	56	80
35.289.2424	1.7/8" - 12	1.1/2" - 11.1/2"	66	44	65	70
35.289.3232	2.1/2" - 12	2" - 11.1/2"	83	59	71	70

also available:

Balfit® Stainless Steel 90° Elbow SAE-ORB Male x NPSM Swivel Female

(add an 'S' at the end of the part number; ex: 35.289.0404 S)

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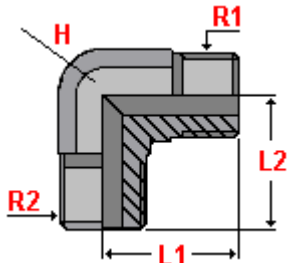
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Balfit[®] NPT Connectors

Balfit[®] NPT Male 90° Elbow – 35.800.

carbon steel NPT Male 90° Elbow



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions				working pressure bar
	R1	R2	L1	L2	H		
35.800.0202	1/8" – 27	1/8" – 27	20	20	14	345	
35.800.0402	1/4" – 18	1/8" – 27	28	23	14	345	
35.800.0404	1/4" – 18	1/4" – 18	28	28	14	345	
35.800.0604	3/8" – 18	1/4" – 18	31	31	19	275	
35.800.0606	3/8" – 18	3/8" – 18	31	31	19	275	
35.800.0804	1/2" – 14	1/4" – 18	37	33	22	210	
35.800.0806	1/2" – 14	3/8" – 18	37	33	22	210	
35.800.0808	1/2" – 14	1/2" – 14	37	37	22	210	
35.800.1208	3/4" – 14	1/2" – 14	40	40	27	170	
35.800.1212	3/4" – 14	3/4" – 14	40	40	27	170	
35.800.1608	1" – 11.1/2"	1/2" – 14	50	45	35	140	
35.800.1612	1" – 11.1/2"	3/4" – 14	50	45	35	140	
35.800.1616	1" – 11.1/2"	1" – 11.1/2"	50	50	35	140	
35.800.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	60	60	44	80	
35.800.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	67	67	50	70	
35.800.3232	2" – 11.1/2"	2" – 11.1/2"	76	76	65	70	

also available:

Balfit[®] Stainless Steel NPT Male 90° Elbow

(add an 'S' at the end of the part number; ex: 35.800.0404 S)

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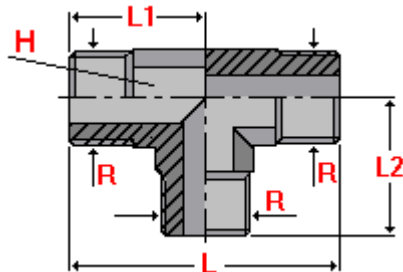
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Balfit[®] NPT Connectors



Balfit[®] NPT Male Tee – 35.801.

carbon steel NPT Male Tee



Material: Carbon Steel
Finish: Zinc-plated

part number	thread	dimensions					working pressure
	R	L	L1	L2	H	bar	
35.801.0202	1/8" – 27	40	20	20	12	345	
35.801.0404	1/4" – 18	56	28	28	14	345	
35.801.0606	3/8" – 18	62	31	31	19	275	
35.801.0808	1/2" – 14	74	37	37	22	210	
35.801.1212	3/4" – 14	80	40	40	27	170	
35.801.1616	1" – 11.1/2"	100	50	50	32	140	

also available:

Balfit[®] Stainless Steel NPT Male Tee

(add an 'S' at the end of the part number; ex: 35.801.0404 S)

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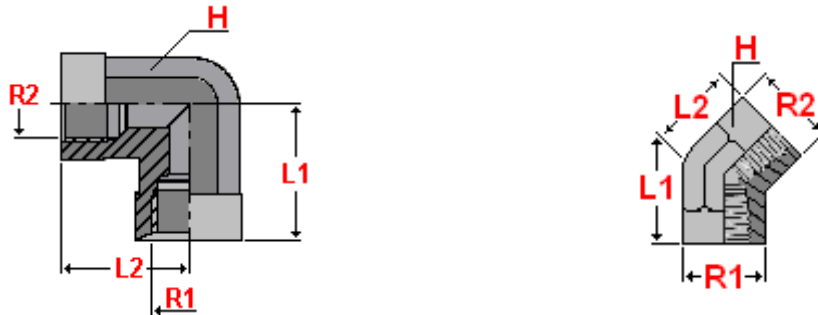
Balfit[®] NPT Connectors

Balfit[®] 90° Elbow NPT Female – 35.802.

carbon steel 90° Elbow NPT Female

Balfit[®] 45° Elbow NPT Female – 35.813.

(carbon steel 45° Elbow NPT Female)



Material: Carbon Steel
Finish: Zinc-plated

part number	thread		dimensions			working pressure bar
	R1	R2	L1	L2	H	
35.802.0202	1/8" – 27	1/8" – 27	17	17	19	345
35.802.0404	1/4" – 18	1/4" – 18	22	22	19	345
35.802.0604	3/8" – 18	1/4" – 18	26	26	22	275
35.802.0606	3/8" – 18	3/8" – 18	26	26	22	275
35.802.0808	1/2" – 14	1/2" – 14	31	31	27	210
35.802.1212	3/4" – 14	3/4" – 14	35	35	32	170
35.802.1616	1" – 11.1/2"	1" – 11.1/2"	41	41	41	140
35.802.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	43	43	46	80
35.802.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	53	53	65	70
35.802.3232	2" – 11.1/2"	2" – 11.1/2"	61	61	75	70

part number	thread		dimensions			working pressure bar
	R1	R2	L1	L2	H	
35.813.0404	1/4" – 18	1/4" – 18	18	18	19	345
35.813.0606	3/8" – 18	3/8" – 18	19	19	22	275
35.813.0808	1/2" – 14	1/2" – 14	24	24	27	210
35.813.1212	3/4" – 14	3/4" – 14	25	25	32	170
35.813.1616	1" – 11.1/2"	1" – 11.1/2"	30	30	41	140
35.813.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	37	37	50	80

also available:

Balfit[®] Stainless Steel 90° Elbow NPT Female

(add an 'S' at the end of the part number; ex: 35.802.04 S)

Balfit[®] Stainless Steel 45° Elbow NPT Female

(add an 'S' at the end of the part number; ex: 35.813.04 S)

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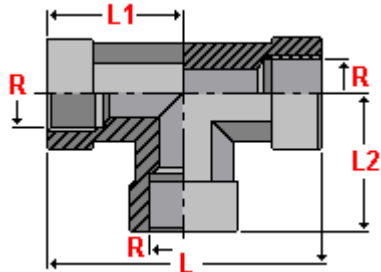
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Balfit[®] NPT Connectors



Balfit[®] NPT Female Tee – 35.803.

carbon steel NPT Female Tee



Material: Carbon Steel
Finish: Zinc-plated

part number	thread	dimensions					working pressure
	R	L	L1	L2	H	bar	
35.803.0404	1/4" – 18	44	22	22	19	345	
35.803.0606	3/8" – 18	52	26	26	22	275	
35.803.0808	1/2" – 14	62	31	31	27	210	
35.803.1212	3/4" – 14	70	35	35	32	170	
35.803.1616	1" – 11.1/2"	82	41	41	41	140	
35.803.2020	1.1/4" – 11.1/2"	86	43	43	46	80	
35.803.2424	1.1/2" – 11.1/2"	106	53	53	65	70	
35.803.3232	2" – 11.1/2"	122	61	61	75	70	

also available:

Balfit[®] Stainless Steel NPT Female Tee

(add an 'S' at the end of the part number; ex: 35.803.0404 S)

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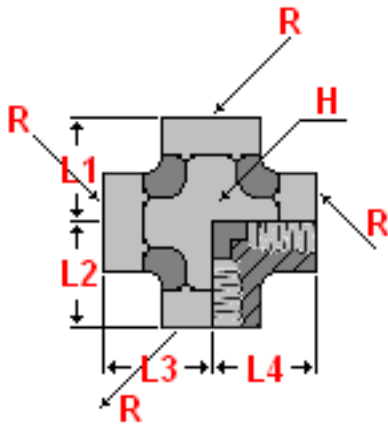
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Balfit[®] NPT Connectors

Balfit[®] NPT Female Cross – 35.804.

carbon steel NPT Female Cross



Material: Carbon Steel

Finish: Zinc-plated

part number	thread	dimensions					working pressure
	R	L1	L2	L3	L4	H	bar
35.804.0404	1/4" – 18	22	22	22	22	22	345
35.804.0606	3/8" – 18	26	26	26	26	26	275
35.804.0808	1/2" – 14	31	31	31	31	31	210
35.804.1212	3/4" – 14	35	35	35	35	35	170
35.804.1616	1" – 11.1/2"	41	41	41	41	41	140
35.804.2020	1.1/4" – 11.1/2"	41	41	41	41	46	80
35.804.2424	1.1/2" – 11.1/2"	41	41	41	41	65	70
35.804.3232	2" – 11.1/2"	61	61	61	61	70	70

also available:

Balfit[®] Stainless Steel NPT Female Cross

(add an 'S' at the end of the part number; ex: 35.804.0404 S)

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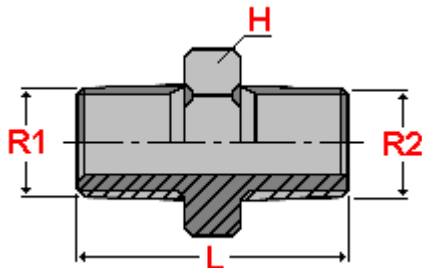
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Balfit® NPT Connectors



Balfit® NPT Male Union – 35.805.

carbon steel NPT Male Union



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions				working pressure bar
	R1	R2	L		H		
35.805.0202	1/8" – 27	1/8" – 27	27		12	345	
35.805.0402	1/4" – 18	1/8" – 27	32		17	345	
35.805.0404	1/4" – 18	1/4" – 18	37		17	345	
35.805.0602	3/8" – 18	1/8" – 27	32		19	275	
35.805.0604	3/8" – 18	1/4" – 18	37		19	275	
35.805.0606	3/8" – 18	3/8" – 18	37		19	275	
35.805.0804	1/2" – 14	1/4" – 18	43		22	210	
35.805.0806	1/2" – 14	3/8" – 18	43		22	210	
35.805.0808	1/2" – 14	1/2" – 14	48		22	210	
35.805.1204	3/4" – 14	1/4" – 18	45		28	170	
35.805.1206	3/4" – 14	3/8" – 18	45		28	170	
35.805.1208	3/4" – 14	1/2" – 14	50		28	170	
35.805.1212	3/4" – 14	3/4" – 14	50		28	170	
35.805.1604	1" – 11.1/2"	1/4" – 18	50		35	140	
35.805.1606	1" – 11.1/2"	3/8" – 18	50		35	140	
35.805.1608	1" – 11.1/2"	1/2" – 14	55		35	140	
35.805.1612	1" – 11.1/2"	3/4" – 14	55		35	140	
35.805.1616	1" – 11.1/2"	1" – 11.1/2"	59		35	140	
35.805.2012	1.1/4" – 11.1/2"	3/4" – 14	61		46	80	
35.805.2016	1.1/4" – 11.1/2"	1" – 11.1/2"	62		46	80	
35.805.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	63		46	80	
35.805.2412	1.1/2" – 11.1/2"	3/4" – 14	60		50	70	
35.805.2416	1.1/2" – 11.1/2"	1" – 11.1/2"	65		50	70	
35.805.2420	1.1/2" – 11.1/2"	1.1/4" – 11.1/2"	66		50	70	
35.805.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	66		50	70	
35.805.3216	2" – 11.1/2"	1" – 11.1/2"	69		65	70	
35.805.3220	2" – 11.1/2"	1.1/4" – 11.1/2"	70		65	70	
35.805.3224	2" – 11.1/2"	1.1/2" – 11.1/2"	70		65	70	
35.805.3232	2" – 11.1/2"	2" – 11.1/2"	72		65	70	

also available:

Balfit® Stainless Steel NPT Male Union

(add an 'S' at the end of the part number; ex: 35.805.0404 S)

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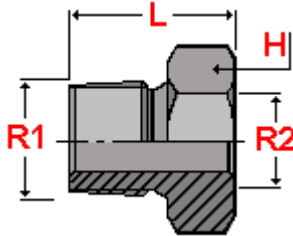
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Balfit[®] NPT Connectors

Balfit[®] NPT Thread Reducer Bushing – 35.806.

carbon steel NPT Thread Reducer



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel
Finish: Zinc-plated

part number	thread		dimensions				working pressure bar
	R1	R2	L		H		
35.806.0402	1/4" – 18	1/8" – 27	22		17	345	
35.806.0602	3/8" – 18	1/8" – 27	22		19	275	
35.806.0604	3/8" – 18	1/4" – 18	22		19	275	
35.806.0802	1/2" – 14	1/8" – 27	28		22	210	
35.806.0804	1/2" – 14	1/4" – 18	28		22	210	
35.806.0806	1/2" – 14	3/8" – 18	28		22	210	
35.806.1202	3/4" – 14	1/8" – 27	30		30	170	
35.806.1204	3/4" – 14	1/4" – 18	30		30	170	
35.806.1206	3/4" – 14	3/8" – 18	30		30	170	
35.806.1208	3/4" – 14	1/2" – 14	30		30	170	
35.806.1602	1" – 11.1/2"	1/8" – 27	35		36	140	
35.806.1604	1" – 11.1/2"	1/4" – 18	35		36	140	
35.806.1606	1" – 11.1/2"	3/8" – 18	35		36	140	
35.806.1608	1" – 11.1/2"	1/2" – 14	35		36	140	
35.806.1612	1" – 11.1/2"	3/4" – 14	35		35	140	
35.806.2004	1.1/4" – 11.1/2"	1/4" – 18	37		37	80	
35.806.2006	1.1/4" – 11.1/2"	3/8" – 18	37		37	80	
35.806.2008	1.1/4" – 11.1/2"	1/2" – 14	37		37	80	
35.806.2012	1.1/4" – 11.1/2"	3/4" – 14	37		37	80	
35.806.2016	1.1/4" – 11.1/2"	1" – 11.1/2"	37		37	80	
35.806.2404	1.1/2" – 11.1/2"	1/4" – 18	40		40	70	
35.806.2406	1.1/2" – 11.1/2"	3/8" – 18	40		40	70	
35.806.2408	1.1/2" – 11.1/2"	1/2" – 14	40		40	70	
35.806.2412	1.1/2" – 11.1/2"	3/4" – 14	40		40	70	
35.806.2416	1.1/2" – 11.1/2"	1" – 11.1/2"	40		40	70	
35.806.2420	1.1/2" – 11.1/2"	1.1/4" – 11.1/2"	40		40	70	
35.806.3206	2" – 11.1/2"	3/8" – 18	44		44	70	
35.806.3208	2" – 11.1/2"	1/2" – 14	44		44	70	
35.806.3212	2" – 11.1/2"	3/4" – 14	44		44	70	
35.806.3216	2" – 11.1/2"	1" – 11.1/2"	44		44	70	
35.806.3220	2" – 11.1/2"	1.1/4" – 11.1/2"	44		44	70	
35.806.3224	2" – 11.1/2"	1.1/2" – 11.1/2"	44		44	70	

also available:

Balfit[®] Stainless Steel NPT Thread Reducer

(add an 'S' at the end of the part number; ex: 35.806.0402 S)

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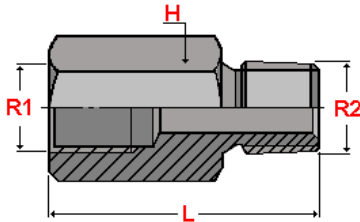
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Balfit® NPT Connectors



Balfit® Female NPT to Male NPT Expander – 35.807.

carbon steel NPT Female NPT to Male NPT Expander



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions				working pressure bar
	R1	R2	L			H	
35.807.0204	1/8" – 27	1/4" – 18	31			17	345
35.807.0206	1/8" – 27	3/8" – 18	36			17	275
35.807.0402	1/4" – 18	1/8" – 27	31			19	345
35.807.0404	1/4" – 18	1/4" – 18	35			19	345
35.807.0406	1/4" – 18	3/8" – 18	37			19	275
35.807.0602	3/8" – 18	1/8" – 27	32			22	275
35.807.0604	3/8" – 18	1/4" – 18	37			22	275
35.807.0606	3/8" – 18	3/8" – 18	36			22	275
35.807.0608	3/8" – 18	1/2" – 14	47			22	210
35.807.0612	3/8" – 18	3/4" – 14	41			25	170
35.807.0802	1/2" – 14	1/8" – 27	38			32	210
35.807.0804	1/2" – 14	1/4" – 18	43			32	210
35.807.0806	1/2" – 14	3/8" – 18	43			32	210
35.807.0808	1/2" – 14	1/2" – 14	47			32	210
35.807.0812	1/2" – 14	3/4" – 14	49			32	170
35.807.0816	1/2" – 14	1" – 11.1/2"	52			32	140
35.807.1204	3/4" – 14	1/4" – 18	44			36	170
35.807.1206	3/4" – 14	3/8" – 18	44			36	170
35.807.1208	3/4" – 14	1/2" – 14	49			36	170
35.807.1212	3/4" – 14	3/4" – 14	49			36	170
35.807.1216	3/4" – 14	1" – 11.1/2"	54			35	140
35.807.1612	1" – 11.1/2"	3/4" – 14	55			41	140
35.807.1616	1" – 11.1/2"	1" – 11.1/2"	60			41	140
35.807.1620	1" – 11.1/2"	1.1/4" – 11.1/2"	64			46	80
35.807.2012	1.1/4" – 11.1/2"	3/4" – 14	58			51	80
35.807.2016	1.1/4" – 11.1/2"	1" – 11.1/2"	62			51	80
35.807.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	63			51	80
35.807.2024	1.1/4" – 11.1/2"	1.1/2" – 11.1/2"	56			51	70
35.807.2416	1.1/2" – 11.1/2"	1" – 11.1/2"	63			61	70
35.807.2420	1.1/2" – 11.1/2"	1.1/4" – 11.1/2"	64			60	70
35.807.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	64			60	70
35.807.3220	2" – 11.1/2"	1.1/4" – 11.1/2"	66			75	70
35.807.3224	2" – 11.1/2"	1.1/2" – 11.1/2"	67			75	70
35.807.3232	2" – 11.1/2"	2" – 11.1/2"	67			75	70

also available:

Balfit® Stainless Steel Female NPT to Male NPT Expander

(add an 'S' at the end of the part number; ex: 35.807.0402 S)

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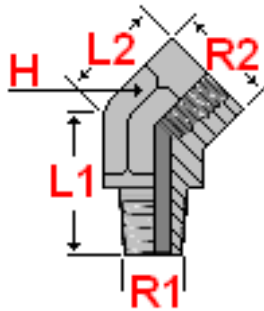
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Balfit[®] NPT Connectors

Balfit[®] 45° Elbow Female NPT to Male NPT – 35.808.

carbon steel 45° Elbow Female NPT to Male NPT



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions			working pressure bar
	R1	R2	L1	L2	H	
35.808.0202	1/8" – 27	1/8" – 27	18	12	14	345
35.808.0404	1/4" – 18	1/4" – 18	27	16	19	345
35.808.0606	3/8" – 18	3/8" – 18	27	18	22	275
35.808.0808	1/2" – 14	1/2" – 14	34	23	27	210
35.808.1212	3/4" – 14	3/4" – 14	35	25	32	170
35.808.1616	1" – 11.1/2"	1" – 11.1/2"	44	44	41	140
35.808.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	46	41	46	80

also available:

Balfit[®] Stainless Steel 45° Elbow Female NPT to Male NPT

(add an 'S' at the end of the part number; ex: 35.808.0404 S)

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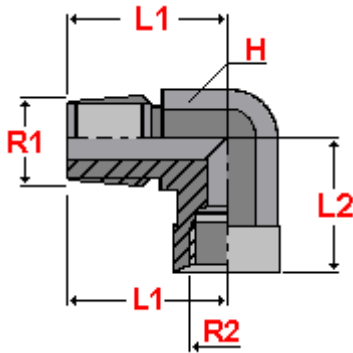
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Balfit[®] NPT Connectors



Balfit[®] 90° Elbow Female NPT to Male NPT – 35.809.

carbon steel 90° Elbow Female NPT to Male NPT



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions				working pressure bar
	R1	R2	L1	L2	H		
35.809.0202	1/8" – 27	1/8" – 27	23	17	17	345	
35.809.0204	1/8" – 27	1/4" – 18	23	22	19	345	
35.809.0402	1/4" – 18	1/8" – 27	28	17	17	345	
35.809.0404	1/4" – 18	1/4" – 18	28	22	19	345	
35.809.0406	1/4" – 18	3/8" – 18	31	26	22	275	
35.809.0408	1/4" – 18	1/2" – 14	33	31	27	210	
35.809.0602	3/8" – 18	1/8" – 27	31	20	22	275	
35.809.0604	3/8" – 18	1/4" – 18	31	26	22	275	
35.809.0606	3/8" – 18	3/8" – 18	31	26	22	275	
35.809.0608	3/8" – 18	1/2" – 14	33	31	27	210	
35.809.0804	1/2" – 14	1/4" – 18	37	25	22	210	
35.809.0806	1/2" – 14	3/8" – 18	37	26	22	210	
35.809.0808	1/2" – 14	1/2" – 14	37	31	27	210	
35.809.0812	1/2" – 14	3/4" – 14	40	35	32	170	
35.809.1208	3/4" – 14	1/2" – 14	40	31	27	170	
35.809.1212	3/4" – 14	3/4" – 14	40	35	32	170	
35.809.1612	1" – 11.1/2"	3/4" – 14	50	35	32	140	
35.809.1616	1" – 11.1/2"	1" – 11.1/2"	50	41	41	140	
35.809.2016	1.1/4" – 11.1/2"	1" – 11.1/2"	60	41	41	80	
35.809.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	60	43	46	80	
35.809.2420	1.1/2" – 11.1/2"	1.1/4" – 11.1/2"	67	43	51	70	
35.809.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	67	53	65	70	
35.809.3232	2" – 11.1/2"	2" – 11.1/2"	76	61	70	70	

also available:

Balfit[®] Stainless Steel 90° Elbow Female NPT to Male NPT

(add an 'S' at the end of the part number; ex: 35.809.0404 S)

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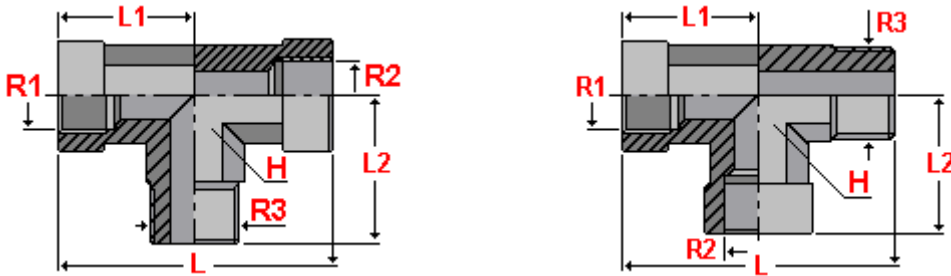
Balfit[®] NPT Connectors

Balfit[®] Female NPT to Male NPT Branch Tee – 35.810.

carbon steel Female NPT to Male NPT Branch Tee

Balfit[®] Female NPT to Male NPT Run Tee – 35.811.

carbon steel Female NPT to Male NPT Run Tee



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions				working pressure bar
	R1 / R2	R3	L	L1	L2	H	
35.810.0404	1/4" – 18	1/4" – 18	44	22	28	19	345
35.810.0606	3/8" – 18	3/8" – 18	52	26	31	22	275
35.810.0808	1/2" – 14	1/2" – 14	62	31	37	27	210
35.810.1212	3/4" – 14	3/4" – 14	70	35	40	32	170
35.810.1616	1" – 11.1/2"	1" – 11.1/2"	82	41	50	41	140
35.810.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	86	43	60	51	80
35.810.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	106	53	67	65	70

part number	thread		dimensions				working pressure bar
	R1 / R2	R3	L	L1	L2	H	
35.811.0404	1/4" – 18	1/4" – 18	50	22	22	19	345
35.811.0606	3/8" – 18	3/8" – 18	57	26	26	22	275
35.811.0808	1/2" – 14	1/2" – 14	68	31	31	27	210
35.811.1212	3/4" – 14	3/4" – 14	75	35	35	32	170
35.811.1616	1" – 11.1/2"	1" – 11.1/2"	91	41	41	41	140
35.811.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	103	43	43	50	80
35.811.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	120	53	53	65	70
35.811.3232	2" – 11.1/2"	2" – 11.1/2"	137	61	61	75	70

also available:

Balfit[®] Stainless Steel Female NPT to Male NPT Branch Tee

(add an 'S' at the end of the part number; ex: 35.810.0404 S)

Balfit[®] Stainless Steel Female NPT to Male NPT Run Tee

(add an 'S' at the end of the part number; ex: 35.811.0404 S)

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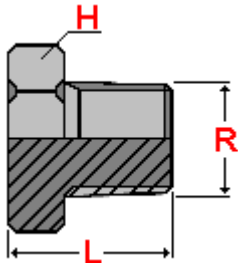
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Balfit® NPT Connectors



Balfit® NPT Hex Male Plug – 35.812.

carbon steel NPT Hex Male Plug



According to **ISO 8434-2** According to **SAE J514**

Material: Carbon Steel
Finish: Zinc-plated

part number	thread	dimensions				working pressure
	R	L			H	bar
35.812.0202	1/8" – 27	15			12	345
35.812.0404	1/4" – 18	20			14	345
35.812.0606	3/8" – 18	20			17	275
35.812.0808	1/2" – 14	25			19	210
35.812.1212	3/4" – 14	27			27	170
35.812.1616	1" – 11.1/2"	35			36	140
35.812.2020	1.1/4" – 11.1/2"	37			46	80
35.812.2424	1.1/2" – 11.1/2"	40			50	70
35.812.3232	2" – 11.1/2"	44			65	70

also available:

Balfit® Stainless Steel NPT Male Plug

(add an 'S' at the end of the part number; ex: 35.812.0404 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

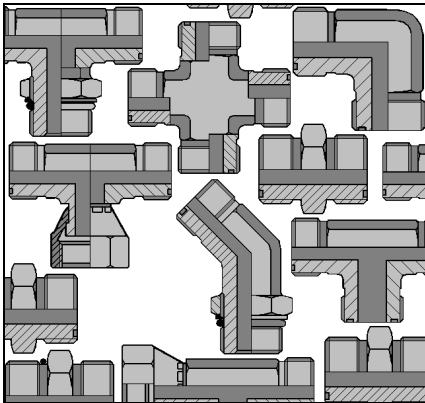
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Balfit[®] ORFS Fittings

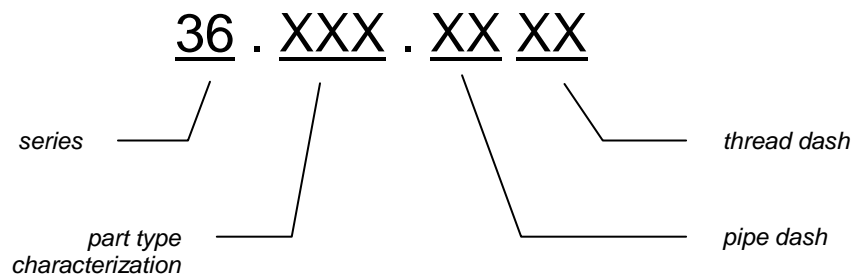


Balfit[®] ORFS O'Ring Face Seal Fittings (Series 36)

The range of **Balfit[®] ORFS O'Ring Face Seal Fittings** is produced according to **Balflex[®]** specifications and to **ISO 8434-3** and **SAE J1453** standards. It covers a very wide variety of applications typical of hydraulic pressure lines.

Balflex[®] optimized the production of these fittings and their compatibility with a wide range of other types of hydraulic fittings, in order to assure the highest performance and the most extensive range of applications. The **Balfit[®]** hydraulic fittings program in this catalogue includes complete fittings line.

The **Balfit[®] ORFS O'Ring Face Seal Fittings** part code is composed of three groups of digits:



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Technical Characteristics

The **Balfit® ORFS O'Ring Face Seal Fittings** in carbon steel are designed for petroleum based hydraulic fluids applications with a **temperature range of - 20°C (- 4°F) to + 100°C (+ 212°F)**. Fittings without incorporated sealing rings may exceed these temperature limits up to 150°C. Stainless steel variants of the fittings with viton seals, achieving maximum temperatures of 200° C (+ 392°F), are listed in the catalogue pages. If other fluids are used, corrosion resistance of the fittings should be verified before application.

The **safety factor of 4:1** relating minimum burst pressure to recommended working pressure applies. The working pressure for each fitting and size is listed in the catalogue pages for working temperature of 20° C (+ 68°F). A linear de-rating factor of 12% / 100°C (+ 212°F) should be used for higher working temperatures. A further de-rating factor of 60% should be used for applications with high impulse cycles.

All bend, tee and cross **Balfit® ORFS O'Ring Face Seal Fittings** fittings are made from forged parts, assuring higher reliability and longer service life-span. Straight parts are machined from stock bars.

Cylindrical and taper threads should be used always matched. In case of cylindrical threads used against softer materials, gasket type should always be preferred, to guarantee sealing even at low torque values.

General Guidelines

Hydraulic hose lines should always be inspected and hydraulically tested before installment. All hydraulic systems should be tested against leakage and with appropriate precautions after any intervention.

The failure of hydraulic lines may be dangerous and expose people and property to irreversible damage. Among other occurrences that must be prevented are the high velocity and high temperature projection of hydraulic fluid, the projection of connectors, pipes and it's parts, spillage or combustion of the fluid, immovability, fall or sudden movement of masses controlled by the hydraulic system.

Hydraulic connectors should be stored protected from humidity and other corrosion inducing factors. Packaging should protect sealing areas and threads against shocks and other damage. Whenever the weight of the parts or the packaging type does not allow assuring this kind of protection, individual plastic caps should be used. All connectors should preferably be handled in small quantities and never in bulk quantities.

Recovered materials should never be used, as the degree of aging and fatigue is unknown and materials that pass visual inspection may be close to life limit. Good practice recommendations and standards exclude therefore the reutilization of used hose. The reutilization of recovered connectors should also be considered with the greatest restraint, as sealing and resistance characteristics may be sharply reduced.

Manufacturing processes leave dirt residues in the tube. Cutting and deburring may leave metal particles that should be removed in order to prevent contamination of the hydraulic system.

Important notice

Selection, assembly and installation of hydraulic lines require specific professional training. This catalogue only supplies additional information and technical data for selection and use of **Balfit® ORFS O'Ring Face Seal Fittings**.

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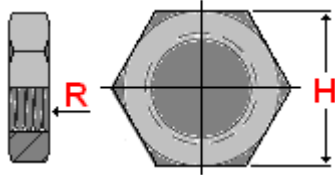
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Balfit[®] Bulkhead Locknut – 36.017.

carbon steel bulkhead locknut for ORFS fittings

SAE# 520118



According to **ISO 8434-3** According to **SAE J1453**

Material: Carbon Steel

Finish: Zinc-plated

part number	dimensions	
	R	H
36.017.04	9/16" - 18	7
36.017.06	11/16" - 16	8
36.017.08	13/16" - 16	9
36.017.10	1" - 14	10,5
36.017.12	1.3/16" - 12	10,5
36.017.16	1.7/16" - 12	10,5
36.017.20	1.11/16" - 12	10,5
36.017.24	2" - 12	10,5

also available:

Balfit[®] Stainless Steel Locknut

(add an 'S' at the end of the part number; ex: 36.017.08S)

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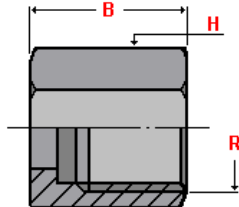
Balfit® ORFS Fittings



Balfit® Tightening Nut – 36.110.

carbon steel tightening nut for ORFS fittings with sleeves

SAE# 070110



According to *ISO 8434-3* According to *SAE J1453*

Material: Carbon Steel

Finish: Zinc-plated

part number	∅ tube		dimensions		
	mm	inch	R	B	H
36.110.04	6	1/4"	9/16" - 18	15	19
36.110.06	10	3/8"	11/16" - 16	17	22
36.110.08	12	1/2"	13/16" - 16	20	24
36.110.10	16	5/8"	1" - 14	24	30
36.110.12	20	3/4"	1.3/16" - 12	26.5	36
36.110.16	25	1"	1.7/16" - 12	27.5	41
36.110.20	32	1.1/4"	1.11/16" - 12	27.5	50
36.110.24	38	1.1/2"	2" - 12	27.5	60

also available:

Balfit® Stainless Steel Tightening Nut

(add an 'S' at the end of the part number; ex: 36.110.08S)

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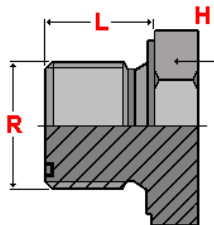
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Balfit[®] Plugs –36.141.

carbon steel plug

SAE# 520109



36.141. – Hex Thread Plug

According to *ISO 8434-3* According to *SAE J1453*

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread	dimensions	
	mm	inch		B	H
36.141.04		1/4"	9/16" - 18	17	17
36.141.06		3/8"	11/16" - 16	19.5	19
36.141.08		1/2"	13/16" - 16	22	22
36.141.10		5/8"	1" - 14	26	27
36.141.12		3/4"	1.3/16" - 12	27.5	32
36.141.16		1"	1.7/16" - 12	28	41
36.141.20		1.1/4"	1.11/16" - 12	28	46
36.141.24		1.1/2"	2" - 12	28	55

also available:

Balfit[®] Stainless Steel Plugs

(add an 'S' at the end of the part number; ex: 36.141.06S)

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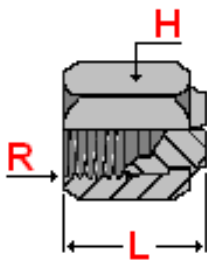
Balfit[®] ORFS Fittings



Balfit[®] Cap – 36.142.

carbon steel ORFS Cap

SAE# 520112



According to *ISO 8434-3* According to *SAE J1453*

Material: Carbon Steel
Finish: Zinc-plated

part number	thread	dimensions	
	R	L	H
36.142.04	9/16" - 18	16	17
36.142.06	11/16" - 16	18	22
36.142.08	13/16" - 16	22	24
36.142.10	1" - 14	24.5	30
36.142.12	1.3/16" - 12	27	36
36.142.16	1.7/16" - 12	28.5	41
36.142.20	1.11/16" - 12	28.5	50
36.142.24	2" - 12	28.5	60

also available:

Balfit[®] Stainless Steel Cap

(add an 'S' at the end of the part number; ex: 36.142.08S)

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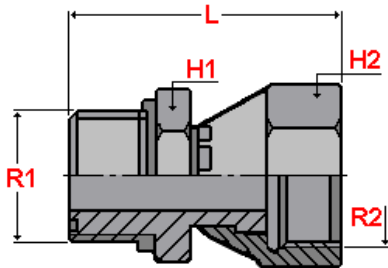
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Balfit[®] ORFS Fittings

Balfit[®] Swivel Connector ORFS Male x JIC Female - 36.180.

carbon steel Swivel Connector ORFS Male x JIC Female



According to ISO 8434-3 According to SAE J1453

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions			
	R1	R2	L		H1	H2
36.180.0404	9/16" - 18	9/16" - 18	33		14	14
36.180.0406	9/16" - 18	9/16" - 18	36		14	14
36.180.0604	9/16" - 18	9/16" - 18	34		14	14
36.180.0606	9/16" - 18	9/16" - 18	38		17	17
36.180.0608	9/16" - 18	3/4" - 16	41		17	17
36.180.0808	3/4" - 16	3/4" - 16	42		19	19
36.180.1008	7/8" - 14	3/4" - 16	46		19	19
36.180.1010	7/8" - 14	7/8" - 14	48		22	22
36.180.1208	1.1/16" - 12	3/4" - 16	50		22	22
36.180.1212	1.1/16" - 12	1.1/16" - 12	54		32	32
36.180.1616	1.5/16" - 12	1.5/16" - 12	57		36	36
36.180.2020	1.5/8" - 12	1.5/8" - 12	61		46	46
36.180.2424	1.7/8" - 12	1.7/8" - 12	66		50	50

also available:

Balfit[®] Stainless Steel Swivel Connector ORFS Male x JIC Female

(add an 'S' at the end of the part number; ex: 36.180.0808S)

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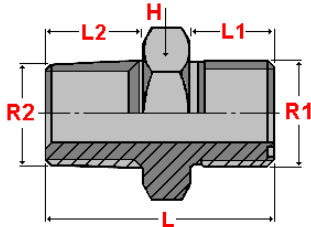
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Balfit® ORFS Fittings



Balfit® Male Connector (ORFS x NPT) – 36.200.

carbon steel ORFS male x NPT (American taper thread) male connector



According to *ISO 8434-3* According to *SAE J1453*

Material: Carbon Steel
Finish: Carbon Steel

part number	thread		dimensions			
	R1	R2	B	L1	L2	H
36.200.0402	9/16" – 18	1/8" – 27	27	10	9.7	17
36.200.0404	9/16" – 18	1/4" – 18	32	10	14.2	17
36.200.0406	9/16" – 18	3/8" – 18	33.5	10	14.2	19
36.200.0604	11/16" – 16	1/4" – 18	33	11	14.2	19
36.200.0606	11/16" – 16	3/8" – 18	34	11	14.2	19
36.200.0608	11/16" – 16	1/2" – 14	39.5	11	19	22
36.200.0806	13/16" – 16	3/8" – 18	37.5	13	14.2	22
36.200.0808	13/16" – 16	1/2" – 14	41.5	13	19	22
36.200.0812	13/16" – 16	3/4" – 14	43	13	19	27
36.200.1008	1" – 14	1/2" – 14	45.5	15.5	19	27
36.200.1012	1" – 14	3/4" – 14	45.5	15.5	19	27
36.200.1208	1.3/16" – 12	1/2" – 14	49	17	19	32
36.200.1212	1.3/16" – 12	3/4" – 14	49	17	19	32
36.200.1216	1.3/16" – 12	1" – 11 1/2"	54	17	23.9	36
36.200.1612	1.7/16" – 12	3/4" – 14	49.5	17.5	19	41
36.200.1616	1.7/16" – 12	1" – 11.1/2"	55.5	17.5	23.9	41
36.200.2020	1.11/16" – 12	1.1/4" – 11.1/2"	58	17.5	24.6	46
36.200.2424	1.7/8" – 12	1.1/2" – 11.1/2"	61	17.5	25.4	55

also available:

Balfit® Stainless Steel Male Connector

(add an 'S' at the end of the part number; ex: 36.200.0806S)

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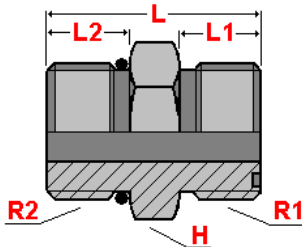
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Balfit[®] ORFS x SAE-ORB Straight Male Connector – 36.220.

carbon steel ORFS x SAE-ORB straight male connector



According to **ISO 8434-3** According to **SAE J1453**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread		dimensions			
	mm	inch	R1	R2	L	L1	L2	H
36.220.0404	6	1/4"	9/16" – 18	7/16" – 20	28.7	10.9	10	17
36.220.0405	6	1/4"	9/16" – 18	1/2" – 20	28.7	10.9	10	17
36.220.0406	6	1/4"	9/16" – 18	9/16" – 18	30.5	12	10	17
36.220.0606	10	3/8"	11/16" – 16	9/16" – 18	31.9	12	11	19
36.220.0608	10	3/8"	11/16" – 16	3/4" – 16	35	14	11	22
36.220.0808	12	1/2"	13/16" – 16	3/4" – 16	36.6	14	13	22
36.220.0810	12	1/2"	13/16" – 16	7/8" – 14	40.4	16	13	27
36.220.1008	14	5/8"	1" – 14	3/4" – 16	45	14	15.5	27
36.220.1010	15	5/8"	1" – 14	7/8" – 14	43	16	15.5	27
36.220.1012	16	5/8"	1" – 14	1.1/16" – 12	47	18.5	15.5	32
36.220.1210	20	3/4"	1.3/16" – 12	7/8" – 14	48.5	16	17	32
36.220.1212	20	3/4"	1.3/16" – 12	1.1/16" – 12	48.5	18.4	17	32
36.220.1216	20	3/4"	1.3/16" – 12	1.5/16" – 12	50	18.5	17	38
36.220.1612	25	1"	1.7/16" – 12	1.1/16" – 12	50.5	18.6	17.5	41
36.220.1616	25	1"	1.7/16" – 12	1.5/16" – 12	50.5	18.7	17.5	41
36.220.2020	32	1.1/4"	1.11/16" – 12	1.5/8" – 12	52	18.5	17.5	46
36.220.2424	38	1.1/2"	2" – 12	1.7/8" – 12	54	18.5	17.5	55

also available:

Balfit[®] Stainless Steel Straight Male Connector ORFS x SAE-ORB

(add an 'S' at the end of the part number; ex: 36.220.0808S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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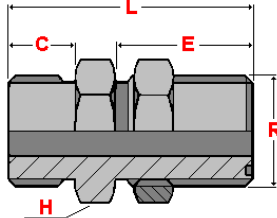
Balfit[®] ORFS Fittings



Balfit[®] Straight Bulkhead Union ORFS Male – 36.250.

carbon steel ORFS male x ORFS male straight bulkhead ORFS Male connector

SAE# 520601



According to ISO 8434-3 According to SAE J1453

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread	dimensions				
	mm	inch		R	L	C	E	H
36.250.04	6	1/4"	9/16" - 18	48	10	31.5	22	
36.250.06	10	3/8"	11/16" - 16	53	11	34	27	
36.250.08	12	1/2"	13/16" - 16	58.5	13	36.5	30	
36.250.10	16	5/8"	1" - 14	66.5	15.5	40.5	36	
36.250.12	20	3/4"	1.3/16" - 12	69	17	41.5	41	
36.250.16	25	1"	1.7/16" - 12	70	17.5	42	46	
36.250.20	32	1.1/4"	1.11/16" - 12	70	17.5	42	50	
36.250.24	38	1.1/2"	2" - 12	70	17.5	42	60	

also available:

Balfit[®] Stainless Steel Straight Bulkhead Union ORFS Male

(add an 'S' at the end of the part number; ex: 36.250.08S)

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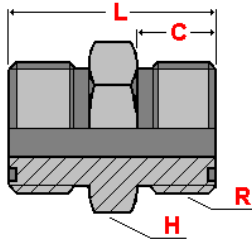


Balfit[®] ORFS Fittings

Balfit[®] Straight ORFS Male Union – 36.260.

carbon steel ORFS male x ORFS male straight connector

SAE# 520101



According to *ISO 8434-3* According to *SAE J1453*

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread	dimensions		
	mm	inch		R	L	C
36.260.04	6	1/4"	9/16" - 18	27.5	10	17
36.260.06	10	3/8"	11/16" - 16	31	11	19
36.260.08	12	1/2"	13/16" - 16	35.5	13	22
36.260.10	16	5/8"	1" - 14	42.5	15.5	27
36.260.12	20	3/4"	1.3/16" - 12	47	17	32
36.260.16	25	1"	1.7/16" - 12	49.5	17.5	41
36.260.20	32	1.1/4"	1.11/16" - 12	51.5	17.5	46
36.260.24	38	1.1/2"	2" - 12	53	17.5	55

also available:

Balfit[®] Stainless Steel Straight ORFS Male Union

(add an 'S' at the end of the part number; ex: 36.260.08S)

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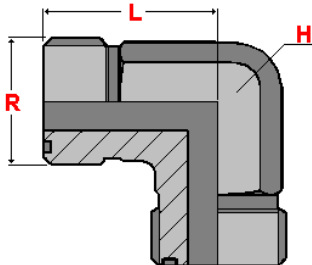
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Balfit® ORFS Fittings



Balfit® 90° Elbow ORFS Male Union – 36.500.

carbon steel ORFS male x ORFS male 90° elbow union connector



According to *ISO 8434-3* According to *SAE J1453*

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread	dimensions	
	mm	inch		R	L
36.500.0404	6	1/4"	9/16" - 18	21.5	14
36.500.0606	10	3/8"	11/16" - 16	25	19
36.500.0808	12	1/2"	13/16" - 16	28	19
36.500.1010	15	5/8"	1" - 14	33.5	27
36.500.1212	20	3/4"	1.3/16" - 12	37.5	30
36.500.1616	25	1"	1.7/16" - 12	41.5	36
36.500.2020	32	1.1/4"	1.11/16" - 12	44.5	41
36.500.2424	38	1.1/2"	2" - 12	49	48

also available:

Balfit® Stainless Steel 90° Elbow Union

(add an 'S' at the end of the part number; ex: 36.500.04S)

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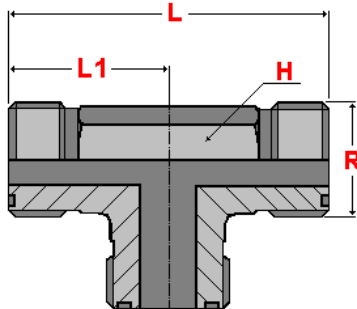
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Balfit[®] Union Tee ORFS Male – 36.505.

carbon steel ORFS male X ORFS male X ORFS male tee connector

SAE# 520401



According to *ISO 8434-3* According to *SAE J1453*

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube		thread	dimensions		
	mm	inch		R	L	L1
36.505.0404	6	1/4"	9/16" - 18	43	21.5	14
36.505.0606	10	3/8"	11/16" - 16	50	25	17
36.505.0808	12	1/2"	13/16" - 16	56	28	19
36.505.1010	15	5/8"	1" - 14	67	33.5	27
36.505.1212	20	3/4"	1.3/16" - 12	75	37.5	30
36.505.1616	25	1"	1.7/16" - 12	83	41.5	36
36.505.2020	32	1.1/4"	1.11/16" - 12	89	44.5	41
36.505.2424	38	1.1/2"	2" - 12	98	49	48

also available:

Balfit[®] Stainless Steel Union Tee

(add an 'S' at the end of the part number; ex: 36.505.04S)

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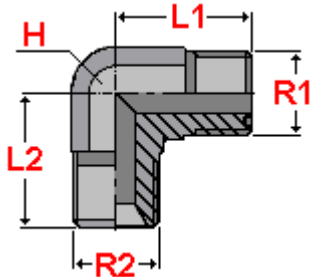
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Balfit® ORFS Fittings



Balfit® 90° Elbow Male Connector (ORFS x NPT) – 36.525.

carbon steel ORFS male x NPT male 90° bend connector



According to *ISO 8434-3* According to *SAE J1453*

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread		dimensions		
	mm	inch	R1	R2	L1	L2	H
36.525.0402	6	1/4"	9/16" – 18	1/8" – 27	21.5	22.8	14
36.525.0404	6	1/4"	9/16" – 18	1/4" – 18	21.5	27.7	14
36.525.0604	10	3/8"	11/16" – 16	1/4" – 18	25	27.7	19
36.525.0606	10	3/8"	11/16" – 16	3/8" – 18	25	31	19
36.525.0608	10	3/8"	11/16" – 16	1/2" – 14	29.5	37.3	22
36.525.0806	12	1/2"	13/16" – 16	3/8" – 18	28	35	19
36.525.0808	12	1/2"	13/16" – 16	1/2" – 14	28	37.3	22
36.525.0812	12	1/2"	13/16" – 16	3/4" – 14	33.5	40.4	27
36.525.1008	15	5/8"	1" – 14	1/2" – 14	33.5	40.4	27
36.525.1012	16	5/8"	1" – 14	3/4" – 14	36	40.4	27
36.525.1208	18	3/4"	1.3/16" – 12	1/2" – 14	37.5	40.4	30
36.525.1212	20	3/4"	1.3/16" – 12	3/4" – 14	37.5	40.4	30
36.525.1612	25	1"	1.7/16" – 12	3/4" – 14	41.5	45.5	36
36.525.1616	25	1"	1.7/16" – 12	1" – 11.1/2"	41.5	45.5	36
36.525.2020	32	1.1/4"	1.11/16" – 12	1.1/4" – 11.1/2"	44.5	60.5	41
36.525.2424	38	1.1/2"	2" – 12	1.1/2" – 11.1/2"	49	67.1	48

also available:

Balfit® Stainless Steel 90° Elbow Male Connector (ORFS x NPT)

(add an 'S' at the end of the part number; ex: 36.525.0808S)

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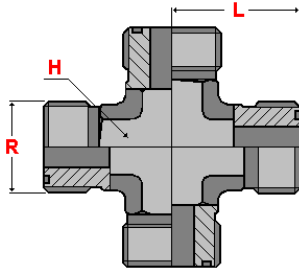


Balfit[®] ORFS Fittings

Balfit[®] ORFS Union Cross – 36.595.

carbon steel ORFS male X ORFS male X ORFS male X ORFS male union cross connector

SAE# 520201



According to *ISO 8434-3* According to *SAE J1453*

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread	dimensions		
	mm	inch	R1	L	H	
36.595.0404	6	1/4"	9/16" - 18	21,5	14	
36.595.0606	10	3/8"	11/16" - 16	25	19	
36.595.0808	12	1/2"	13/16" - 16	28	19	
36.595.1010	16	5/8"	1" - 14	33,5	27	
36.595.1212	20	3/4"	1.3/16" - 12	37,5	30	
36.595.1616	25	1"	1.7/16" - 12	41,5	36	
36.595.2020	32	1.1/4"	1.11/16" - 12	44,5	41	
36.595.2424	38	1.1/2"	2" - 12	49	48	

also available:

Balfit[®] Stainless Steel ORFS Union Cross

(add an 'S' at the end of the part number; ex: 36.595.0808S)

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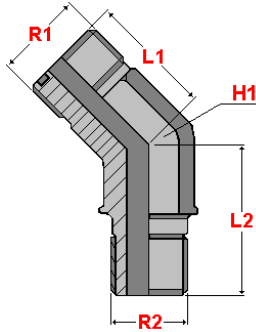
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Balfit® ORFS Fittings



Balfit® 45° Elbow Male Connector (ORFS x NPT) – 36.540.

carbon steel ORFS male x NPT taper thread male 45° elbow connector



According to **ISO 8434-3** According to **SAE J1453**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube		thread		dimensions		
	mm	inch	R1	R2	L1	L2	H1
36.540.0402	6	1/4"	9/16" – 18	1/8" – 27	16	18	14
36.540.0404	6	1/4"	9/16" – 18	1/4" – 18	16	22	14
36.540.0604	10	3/8"	11/16" – 16	1/4" – 18	19	24	19
36.540.0606	10	3/8"	11/16" – 16	3/8" – 18	19	24	19
36.540.0608	10	3/8"	11/16" – 16	1/2" – 14	19	24	22
36.540.0806	12	1/2"	13/16" – 16	3/8" – 18	20.5	24	19
36.540.0808	12	1/2"	13/16" – 16	1/2" – 14	23	30	22
36.540.1008	15	5/8"	1" – 14	1/2" – 14	24	31	27
36.540.1012	16	5/8"	1" – 14	3/4" – 14	25	31	27
36.540.1212	20	3/4"	1.3/16" – 12	3/4" – 14	26	31	30
36.540.1616	25	1"	1.7/16" – 12	1" – 11.1/2"	30	38	36
36.540.2020	32	1.1/4"	1.11/16" – 12	1.1/4" – 11.1/2"	32	42	41
36.540.2424	38	1.1/2"	2" – 12	1.1/2" – 11.1/2"	37	45	48

also available:

Balfit® Stainless Steel 45° Elbow Connector

(add an 'S' at the end of the part number; ex: 36.540.0806S)

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Balfit[®] ORFS Fittings

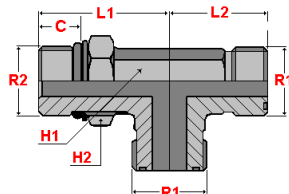
Balfit[®] Orientable SAE-ORB Run Tee – 36.580.

carbon steel UNF male x ORFS male x ORFS male run tee connector

Balfit[®] Orientable SAE-ORB Branch Tee – 36.585.

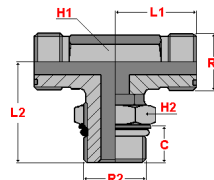
carbon steel SAE-ORB male x ORFS male X ORFS male branch tee connector

SAE# 520428



Balfit[®] Orientable SAE-ORB Run Tee – 36.580.

SAE# 520429



Balfit[®] Orientable SAE-ORB Branch Tee – 36.585.

According to ISO 8434-3 According to SAE J1453

Material: Carbon Steel

Finish: Zinc-plated

part number	∅ tube		thread		dimensions			
	mm	inch	R1	R2	L1	L2	C	H1
36.580.0404	6	1/4"	9/16" - 18	7/16" - 20	31.8	21.5	9	14
36.580.0606	10	3/8"	11/16" - 16	9/16" - 18	36	25	10	19
36.580.0808	12	1/2"	13/16" - 16	3/4" - 16	36.8	28	11	19
36.580.1010	15	5/8"	1" - 14	7/8" - 14	48	33.5	13	27
36.580.1212	20	3/4"	1.3/16" - 12	1.1/16" - 12	51	37.5	15	30
36.580.1616	25	1"	1.7/16" - 12	1.5/16" - 12	57	41.5	15	36
36.580.2020	32	1.1/4"	1.11/16" - 12	1.1/16" - 12	62	44.5	15	41
36.580.2424	38	1.1/2"	2" - 12	1.5/16" - 12	65	49	15	48

part number	∅ tube		thread		dimensions		
	mm	inch	R1	R2	L1	L2	H2
36.585.0404	6	1/4"	9/16" - 18	7/16" - 20	21.5	31.8	14
36.585.0606	10	3/8"	11/16" - 16	9/16" - 18	25	36	19
36.585.0808	12	1/2"	13/16" - 16	3/4" - 16	28	36.8	19
36.585.1010	15	5/8"	1" - 14	7/8" - 14	33.5	48	27
36.585.1212	20	3/4"	1.3/16" - 12	1.1/16" - 12	37.5	51	30
36.585.1616	25	1"	1.7/16" - 12	1.5/16" - 12	41.5	57	36
36.585.2020	32	1.1/4"	1.11/16" - 12	1.1/16" - 12	44.5	62	41
36.585.2424	38	1.1/2"	2" - 12	1.5/16" - 12	49	65	48

also available:

Balfit[®] Stainless Steel Orientable SAE-ORB Run Tee

(add an 'S' at the end of the part number; ex: 36.580.0808S)

Balfit[®] Stainless Steel Orientable SAE-ORB Branch Tee

(add an 'S' at the end of the part number; ex: 36.585.0808S)

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Balfit® ORFS Fittings



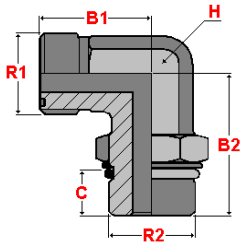
Balfit® 90° Elbow ORFS Male x SAE-ORB – 36.575.

carbon steel ORFS male x SAE-ORB male 90° elbow "adjustable" connector

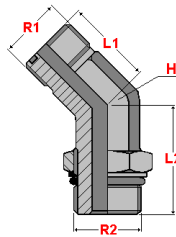
Balfit® 45° Elbow ORFS Male x SAE-ORB – 36.590.

carbon steel ORFS male x SAE-ORB male 45° elbow "adjustable" connector

SAE# 520220



SAE# 520320



According to ISO 8434-3 According to SAE J1453

Material: Carbon Steel

Finish: Zinc-plated

part number	∅ tube		thread		dimensions			
	mm	inch	R1	R2	L1	L2	H	
36.575.0404	6	1/4"	9/16" - 18	7/16" - 20	21.5	32.5	14	
36.575.0606	10	3/8"	11/16" - 16	9/16" - 18	25	36.8	19	
36.575.0808	12	1/2"	13/16" - 16	3/4" - 16	28	36.8	19	
36.575.1010	15	5/8"	1" - 14	7/8" - 14	33.5	45.2	27	
36.575.1212	20	3/4"	1.3/16" - 12	1.1/16" - 12	37.5	49.3	30	
36.575.1616	25	1"	1.7/16" - 12	1.5/16" - 12	41.5	57	36	
36.575.2020	32	1.1/4"	1.11/16" - 12	1.5/8" - 12	44.5	60	41	
36.575.2424	38	1.1/2"	2" - 12	1.7/8" - 12	49	65	48	

part number	∅ tube		thread		dimensions			
	mm	inch	R1	R2	L1	L2	H	
36.590.0404	6	1/4"	9/16" - 18	7/16" - 20	16	26	14	
36.590.0606	10	3/8"	11/16" - 16	9/16" - 18	19	29	19	
36.590.0808	12	1/2"	13/16" - 16	3/4" - 16	20.5	33	19	
36.590.1010	15	5/8"	1" - 14	7/8" - 14	23.5	40	27	
36.590.1212	20	3/4"	1.3/16" - 12	1.1/16" - 12	26	43.9	30	
36.590.1616	25	1"	1.7/16" - 12	1.5/16" - 12	30	47.5	36	
36.590.2020	32	1.1/4"	1.11/16" - 12	1.5/8" - 12	32	48.5	41	
36.590.2424	38	1.1/2"	2" - 12	1.7/8" - 12	37	50	48	

also available:

Balfit® Stainless Steel 90° Elbow ORFS Male x SAE-ORB

(add an 'S' at the end of the part number; ex: 36.575.0808S)

Balfit® Stainless Steel 45° Elbow ORFS Male x SAE-ORB

(add an 'S' at the end of the part number; ex: 36.590.0808S)

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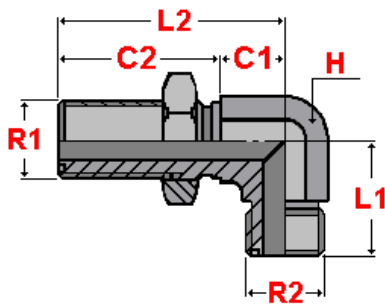


Balfit[®] ORFS Fittings

Balfit[®] Bulkhead 90° Elbow Union – 36.650.

carbon steel ORFS male x ORFS male bulkhead 90° elbow connector

SAE# 520958



According to ISO 8434-3 According to SAE J1453

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread	dimensions				
	mm	inch	R1	L1	L2	C1	C2	H
36.650.0404	6	1/4"	9/16" - 18	22.5	47	15.5	31.5	14
36.650.0606	10	3/8"	11/16" - 16	26	52	18	34	19
36.650.0808	12	1/2"	13/16" - 16	29	55.5	19	36.5	19
36.650.1010	15	5/8"	1" - 14	34.5	63	22.5	40.5	27
36.650.1212	20	3/4"	1.3/16" - 12	38.5	67	25.5	41.5	30
36.650.1616	25	1"	1.7/16" - 12	42.5	71	29	42	36
36.650.2020	32	1.1/4"	1.11/16" - 12	45.5	75.5	33.5	42	41
36.650.2424	38	1.1/2"	2" - 12	49.5	79.5	37.5	42	48

also available:

Balfit[®] Stainless Steel Bulkhead 90° Elbow Union

(add an 'S' at the end of the part number; ex: 36.650.0808S)

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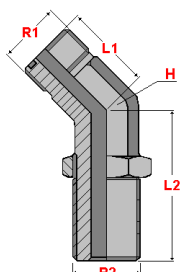
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Balfit® ORFS Fittings



Balfit® Bulkhead 45° Elbow Union – 36.510.

carbon steel ORFS male x ORFS male bulkhead 45° elbow connector



According to **ISO 8434-3** According to **SAE J1453**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread	dimensions			
	mm	inch	R1	A1	B	C	H
36.510.0404	6	1/4"	9/16" - 18	16	44	14	31,5
36.510.0606	10	3/8"	11/16" - 16	19	48,5	19	34
36.510.0808	12	1/2"	13/16" - 16	20,5	51	19	36,5
36.510.1010	15	5/8"	1" - 14	23,5	56,5	27	40,5
36.510.1212	20	3/4"	1.3/16" - 12	26	60,5	30	41,5
36.510.1616	25	1"	1.7/16" - 12	30	65	36	42
36.510.2020	32	1.1/4"	1.11/16" - 12	32	67	41	42
36.510.2424	38	1.1/2"	2" - 12	37	67	48	42

also available:

Balfit® Stainless Steel Bulkhead 45° Elbow Union

(add an 'S' at the end of the part number; ex: 36.510.0808S)

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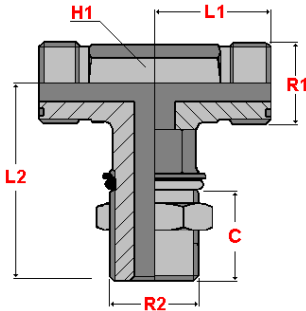
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Balfit[®] Bulkhead Branch Tee – 36.515.

carbon steel ORFS male x ORFS male Bulkhead Branch Tee connector



According to *ISO 8434-3* According to *SAE J1453*

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread	dimensions				
	mm	inch	R1	L1	L2	C	H1	
36.515.0404	6	1/4"	9/16" - 18	22.5	47	31.5	14	
36.515.0606	10	3/8"	11/16" - 16	26	52	34	19	
36.515.0808	12	1/2"	13/16" - 16	29	55.5	36.5	19	
36.515.1010	15	5/8"	1" - 14	34.5	63	40.5	27	
36.515.1212	20	3/4"	1.3/16" - 12	38.5	67	41.5	30	
36.515.1616	25	1"	1.7/16" - 12	42.5	71	42	36	
36.515.2020	32	1.1/4"	1.11/16" - 12	45.5	75.5	42	41	
36.515.2424	38	1.1/2"	2" - 12	49.5	79.5	42	48	

also available:

Balfit[®] Stainless Steel Bulkhead Branch Tee

(add an 'S' at the end of the part number; ex: 36.515.0808S)

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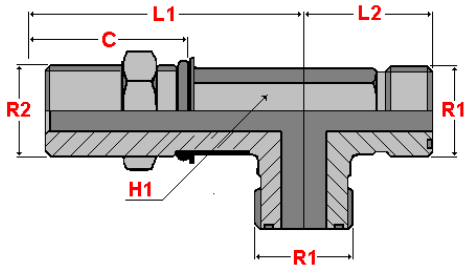
Balfit® ORFS Fittings



Balfit® Bulkhead Run Tee – 36.520.

carbon steel ORFS male x ORFS male Bulkhead Run Tee connector

SAE# 520958



According to ISO 8434-3 According to SAE J1453

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread	dimensions			
	mm	inch	R1	L1	L2	C	H1
36.520.0404	6	1/4"	9/16" - 18	47	22.5	31.5	14
36.520.0606	10	3/8"	11/16" - 16	52	26	34	19
36.520.0808	12	1/2"	13/16" - 16	55.5	29	36.5	19
36.520.1010	15	5/8"	1" - 14	63	34.5	40.5	27
36.520.1212	20	3/4"	1.3/16" - 12	67	38.5	41.5	30
36.520.1616	25	1"	1.7/16" - 12	71	42.5	42	36
36.520.2020	32	1.1/4"	1.11/16" - 12	75.5	45.5	42	41
36.520.2424	38	1.1/2"	2" - 12	79.5	49.5	42	48

also available:

Balfit® Stainless Steel Bulkhead Run Tee

(add an 'S' at the end of the part number; ex: 36.520.0808S)

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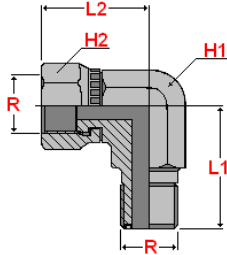


Balfit[®] ORFS Fittings

Balfit[®] 90° Swivel Connector ORFS M. x ORFS F. – 36.675.

carbon steel 90° Swivel Connector ORFS Male x ORFS Female

SAE# 520221



According to ISO 8434-3 According to SAE J1453

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions			
	R1	R2	L1	L2	H1	H2
36.675.0404	9/16" - 18	9/16" - 18	21,5	26.5	14	19
36.675.0606	11/16" - 16	11/16" - 16	25	29	19	22
36.675.0808	13/16" - 16	13/16" - 16	28	38	19	24
36.675.1010	1" - 14	1" - 14	33,5	41	27	30
36.675.1212	1.3/16" - 12	1.3/16" - 12	37,5	46.5	30	36
36.675.1616	1.7/16" - 12	1.7/16" - 12	41,5	53.5	36	41
36.675.2020	1.11/16" - 12	1.11/16" - 12	44,5	58	41	50
36.675.2424	2" - 12	2" - 12	49	61	48	60

also available:

Balfit[®] Stainless Steel Swivel Connector ORFS Male x ORFS Female

(add an 'S' at the end of the part number; ex: 36.675.0808S)

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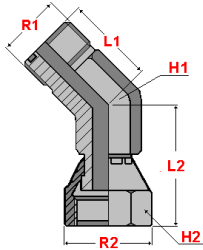
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Balfit® ORFS Fittings



Balfit® 45° Swivel Connector ORFS M. x ORFS F. – 36.690.

carbon steel 45° Swivel Connector ORFS Male x ORFS Female



According to **ISO 8434-3** According to **SAE J1453**

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions			
	R1	R2	L1	L2	H1	H2
36.690.0404	9/16" - 18	9/16" - 18	16	24.5	14	19
36.690.0606	11/16" - 16	11/16" - 16	19	26	19	22
36.690.0808	13/16" - 16	13/16" - 16	20.5	29	19	24
36.690.1010	1" - 14	1" - 14	23.5	33	27	30
36.690.1212	1.3/16" - 12	1.3/16" - 12	26	35.5	30	36
36.690.1616	1.7/16" - 12	1.7/16" - 12	30	41	36	41
36.690.2020	1.11/16" - 12	1.11/16" - 12	32	45.5	41	50
36.690.2424	2" - 12	2" - 12	37	51	48	60

also available:

Balfit® Stainless Steel Swivel Connector ORFS Male x ORFS Female

(add an 'S' at the end of the part number; ex: 36.690.0808S)

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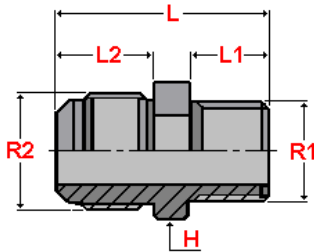
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Balfit[®] ORFS Male x JIC Male Connector – 36.280.

carbon steel Swivel Connector ORFS Male x JIC Male



According to *ISO 8434-3* According to *SAE J1453*

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions			
	R1	R2	L	L1	L2	H1
36.280.0404	9/16" - 18	7/16" - 20	32	10	14	17
36.280.0606	11/16" - 16	9/16" - 18	34	11	14,1	19
36.280.0808	13/16" - 16	3/4" - 16	39,5	13	16,7	22
36.280.1010	1" - 14	7/8" - 14	46,5	15,5	19,3	27
36.280.1212	1.3/16" - 12	1.1/16" - 12	52	17	21,9	32
36.280.1616	1.7/16" - 12	1.5/16" - 12	55	17,5	23,1	41
36.280.2020	1.11/16" - 12	1.5/8" - 12	58	17,5	24,3	46
36.280.2424	2" - 12	1.7/8" - 12	63	17,5	27,5	55

also available:

Balfit[®] Stainless Steel Swivel Connector ORFS Male x JIC Male

(add an 'S' at the end of the part number; ex: 36.280.0808S)

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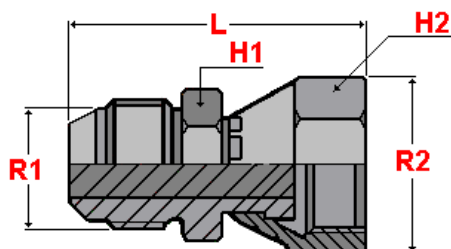
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Balfit[®] ORFS Fittings



Balfit[®] Swivel Connector ORFS Female x JIC Male – 36.281.

carbon steel Swivel Connector ORFS Female x JIC Male



According to *ISO 8434-3* According to *SAE J1453*

Material: Carbon Steel

Finish: Zinc-plated

part number	thread		dimensions			
	R1	R2	L		H1	H2
36.281.0404	7/16" - 20	9/16" - 18	36		14	18
36.281.0606	9/16" - 18	11/16" - 16	38		19	22
36.281.0808	3/4" - 16	13/16" - 16	46.2		22	26
36.281.1010	7/8" - 14	1" - 14	52		26	30
36.281.1212	1.1/16" - 12	1.3/16" - 12	57.4		32	36
36.281.1616	1.5/16" - 12	1.7/16" - 12	62		38	42
36.281.2020	1.5/8" - 12	1.11/16" - 12	63		50	50
36.281.2424	1.7/8" - 12	2" - 12	68		55	60

also available:

Balfit[®] Stainless Steel Swivel Connector ORFS Male x JIC Female

(add an 'S' at the end of the part number; ex: 36.281.0808S)

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Balfit[®] ORFS Fittings

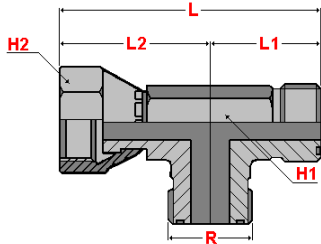
Balfit[®] Swivel Connector Run Tee – 36.680.

carbon steel ORFS male x ORFS male x ORFS Female run tee connector

Balfit[®] Swivel Connector Branch Tee – 36.685.

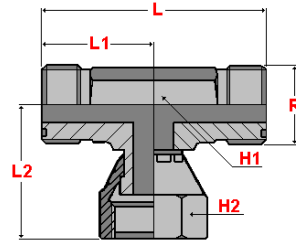
carbon steel ORFS male x ORFS male X ORFS Female branch tee connector

SAE# 520432



Balfit[®] Swivel ORFS Run Tee – 36.680.

SAE# 520433



Balfit[®] Swivel ORFS Branch Tee – 36.685.

According to ISO 8434-3 According to SAE J1453

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread	dimensions				
	mm	inch	R1	L	L1	L2	H1	H2
36.680.0404	6	1/4"	9/16" - 18	48	26.5	21.5	14	19
36.680.0606	10	3/8"	11/16" - 16	54	29	25	19	22
36.680.0808	12	1/2"	13/16" - 16	66	38	28	19	24
36.680.1010	15	5/8"	1" - 14	74.5	41	33.5	27	30
36.680.1212	20	3/4"	1.3/16" - 12	84	46.5	37.5	30	36
36.680.1616	25	1"	1.7/16" - 12	95	53.5	41.5	36	41
36.680.2020	32	1.1/4"	1.11/16" - 12	102.5	58	44.5	41	50
36.680.2424	38	1.1/2"	2" - 12	110	61	49	48	60

part number	Ø tube		thread	dimensions				
	mm	inch	R1	L	L1	L2	H1	H2
36.685.0404	6	1/4"	9/16" - 18	43	21,5	26,5	14	19
36.685.0606	10	3/8"	11/16" - 16	50	25	29	19	22
36.685.0808	12	1/2"	13/16" - 16	56	28	38	19	24
36.685.1010	15	5/8"	1" - 14	67	33,5	41	27	30
36.685.1212	20	3/4"	1.3/16" - 12	75	37,5	46,5	30	36
36.685.1616	25	1"	1.7/16" - 12	83	41,5	53,5	36	41
36.685.2020	32	1.1/4"	1.11/16" - 12	89	44,5	58	41	50
36.685.2424	38	1.1/2"	2" - 12	98	49	61	48	60

also available:

Balfit[®] Stainless Steel Swivel ORFS Run Tee

(add an 'S' at the end of the part number; ex: 36.680.0808S)

Balfit[®] Stainless Steel Swivel ORFS Branch Tee

(add an 'S' at the end of the part number; ex: 36.685.0808S)

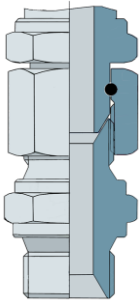
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Balfit[®] Hydraulic Adapters



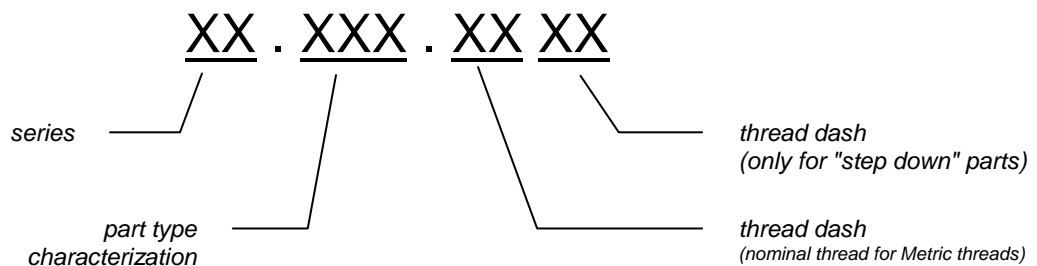
Balfit[®] Hydraulic Adapters (Series 52 and 53)

The range of **Balfit[®]** hydraulic adapters is produced according to **Balflex[®]** specifications and to the **ISO 8434-6** standard. It covers a very wide variety of applications typical of hydraulic pipe pressure lines.

Balflex[®] optimized the production of these fittings and their compatibility with a wide range of other types of hydraulic fittings, in order to assure the highest performance and the most extensive range of applications. The **Balfit[®]** hydraulic fittings program in this catalogue includes connectors with several threads:

- **BSP** parallel thread
- **BSP** taper thread
- **NPT** thread
- **BSPT** taper thread

The **Balfit[®]** hydraulic adapters part code is composed of three groups of digits:



Important notice

Selection, assembly and installation of hydraulic lines require specific professional training. This catalogue only supplies additional information and technical data for selection and use of **Balfit[®]** adapters.

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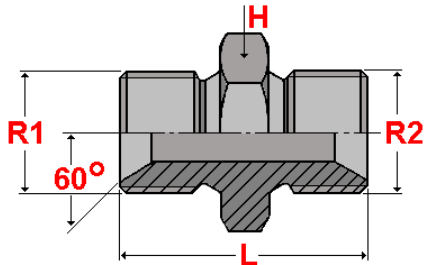
Balflex[®] – The European Technology



Balfit[®] Hydraulic Adapters

Balfit[®] BSP Male Union – 52.100

carbon steel male straight union with BSP 60° cone



According to ISO 8434-6

Material: Carbon Steel, zinc plated

part number	working pressure bar	thread		L mm	H mm
		R1	R2		
52.100.02	350	1/8" – 28	1/8" – 28	24	14
52.100.0402	350	1/4" – 19	1/8" – 28	30	19
52.100.04	350	1/4" – 19	1/4" – 19	34	19
52.100.0602	250	3/8" – 19	1/8" – 28	30	22
52.100.0604	250	3/8" – 19	1/4" – 19	35	22
52.100.06	250	3/8" – 19	3/8" – 19	35	22
52.100.0804	225	1/2" – 14	1/4" – 19	38	27
52.100.0806	225	1/2" – 14	3/8" – 19	39	27
52.100.08	225	1/2" – 14	1/2" – 14	41	27
52.100.1008	200	5/8" – 14	1/2" – 14	43	30
52.100.10	200	5/8" – 14	5/8" – 14	45	30
52.100.1204	200	3/4" – 14	1/4" – 19	42	32
52.100.1206	200	3/4" – 14	3/8" – 19	43	32
52.100.1208	200	3/4" – 14	1/2" – 14	45	32
52.100.1210	200	3/4" – 14	5/8" – 14	47	32
52.100.12	200	3/4" – 14	3/4" – 14	47	32
52.100.1608	160	1" – 11	1/2" – 14	50	41
52.100.1612	160	1" – 11	3/4" – 14	52	41
52.100.16	160	1" – 11	1" – 11	56	41
52.100.2008	160	1-1/4" – 11	1/2" – 14	52	50
52.100.2012	160	1-1/4" – 11	3/4" – 14	54	50
52.100.2016	160	1-1/4" – 11	1" – 11	58	50
52.100.20	100	1-1/4" – 11	1-1/4" – 11	58	50
52.100.2412	160	1-1/2" – 11	3/4" – 14	59	55
52.100.2416	100	1-1/2" – 11	1" – 11	63	55
52.100.2420	160	1-1/2" – 11	1-1/4" – 11	63	55
52.100.24	160	1-1/2" – 11	1-1/2" – 11	66	55
52.100.3216	160	2" – 11	1" – 11	69	70
52.100.3220	100	2" – 11	1-1/4" – 11	69	70
52.100.3224	160	2" – 11	1-1/2" – 11	72	70
52.100.32	100	2" – 11	2" – 11	74	70

also available:

Balfit[®] Stainless Steel Male Union

(add an 'S' at the end of the part number; ex: 52.100.24 S)

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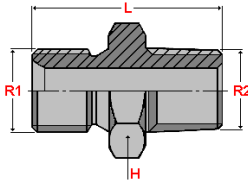
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Balfit[®] Hydraulic Adapters



Balfit[®] Male BSP x Male NPT Connector – 52.101

carbon steel straight union BSP 60° cone male x NPT male



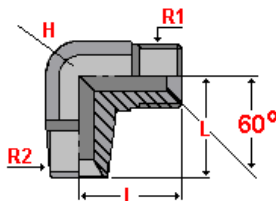
According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread		L	H
	bar	R1	R2	mm	mm
52.101.04	350	1/4" – 19	1/4" – 19	26	14
52.101.06	250	3/8" – 19	3/8" – 19	29	19
52.101.08	225	1/2" – 14	1/2" – 14	34	22
52.101.12	200	3/4" – 14	3/4" – 14	41	27
52.101.16	160	1" – 11	1" – 11	45	33
52.101.20	160	1-1/4" – 11	1-1/4" – 11	52	41
52.101.24	160	1-1/2" – 11	1-1/2" – 11	59	48
52.101.32	100	2" – 11	2" – 11	78	65

Balfit[®] 90° Male BSP x Male NPT Connector – 53.102

(90° carbon steel union BSP 60° cone male x NPT male)



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread		L	H
	bar	R1	R2	mm	mm
53.102.0404	350	1/4" – 19	1/4" – 19	26	14
53.102.0606	250	3/8" – 19	3/8" – 19	29	19
53.102.0808	225	1/2" – 14	1/2" – 14	34	22
53.102.1212	200	3/4" – 14	3/4" – 14	41	27
53.102.1616	160	1" – 11	1" – 11	45	33
53.102.2020	160	1-1/4" – 11	1-1/4" – 11	52	41
53.102.2424	160	1-1/2" – 11	1-1/2" – 11	59	48
53.102.3232	100	2" – 11	2" – 11	78	65

also available:

Balfit[®] Stainless Steel Male BSP x Male NPT / 90° Male BSP x Male NPT

(add an 'S' at the end of the part number; ex: 52.101.24 S - 53.102.1212 S)

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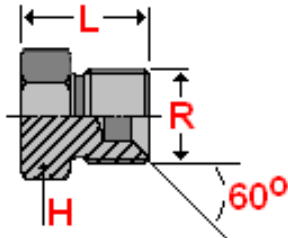
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Balfit[®] Hydraulic Adapters

Balfit[®] BSP Male Plug – 52.400

carbon steel straight BSP male plug



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	L	H
	bar	R	mm	mm
52.400.02	350	1/8" – 28	15	14
52.400.04	350	1/4" – 19	20	19
52.400.06	250	3/8" – 19	22	22
52.400.08	225	1/2" – 14	25	27
52.400.10	200	5/8" – 14	27	28
52.400.12	200	3/4" – 14	28	32
52.400.16	160	1" – 11	30	41
52.400.20	160	1-1/4" – 11	33	50
52.400.24	160	1-1/2" – 11	35	55
52.400.32	100	2" – 11	40	70

also available:

Balfit[®] Stainless Steel BSP Male Plug

(add an 'S' at the end of the part number; ex: 52.400.16 S)

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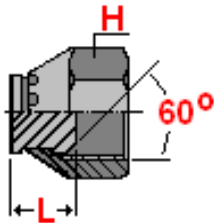
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Balfit[®] Hydraulic Adapters



Balfit[®] BSP Swivel Female Plug – 52.401

carbon steel straight BSP Swivel female plug



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	L	H
	bar		mm	mm
52.401.02	350	1/8" – 28	10	14
52.401.04	350	1/4" – 19	14	19
52.401.06	250	3/8" – 19	15	22
52.401.08	225	1/2" – 14	16	27
52.401.10	200	5/8" – 14	16	28
52.401.12	200	3/4" – 14	18	32
52.401.16	160	1" – 11	20	38
52.401.20	160	1-1/4" – 11	24	50
52.401.24	160	1-1/2" – 11	27	55
52.401.32	100	2" – 11	24	65

also available:

Balfit[®] Stainless Steel BSP Swivel Female Plug

(add an 'S' at the end of the part number; ex: 52.401.16 S)

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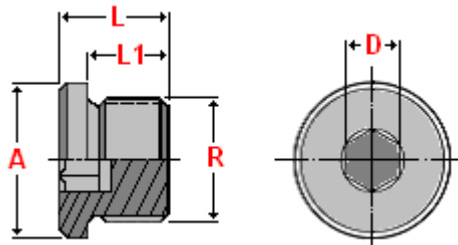
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Balfit[®] Hydraulic Adapters

Balfit[®] BSP Inner Hexagon Male Plug – 52.402

carbon steel straight BSP Inner Hexagon male plug



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	A	L	L1	D
	bar	R	mm	mm	mm	mm
52.402.02	350	1/8" – 28	14	14	10	5.1
52.402.04	350	1/4" – 19	19	17	12	6.1
52.402.06	250	3/8" – 19	22	17	12	8.1
52.402.08	225	1/2" – 14	27	19	14	10.1
52.402.12	200	3/4" – 14	32	21	16	12.1
52.402.16	160	1" – 11	40	24.5	18	17.1
52.402.20	160	1-1/4" – 11	50	26.5	20	22.1
52.402.24	160	1-1/2" – 11	55	28.5	22	24.1
52.402.32	100	2" – 11	68	25	20	32.1

also available:

Balfit[®] Stainless Steel BSP Inner Hexagon Male Plug

(add an 'S' at the end of the part number; ex: 52.402.16 S)

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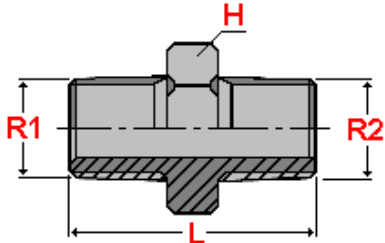
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Balfit[®] Hydraulic Adapters



Balfit[®] Male BSPT Union – 52.103

carbon steel male straight union with BSPT thread



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	thread	L	H
	bar	R1	R2	mm	mm
52.103.02	350	1/8" – 28	1/8" – 28	20	14
52.103.04	350	1/4" – 19	1/4" – 19	28	19
52.103.06	250	3/8" – 19	3/8" – 19	31	22
52.103.08	225	1/2" – 14	1/2" – 14	38	27
52.103.12	200	3/4" – 14	3/4" – 14	40	32
52.103.16	160	1" – 11	1" – 11	50	41
52.103.20	160	1-1/4" – 11	1-1/4" – 11	60	50
52.103.24	160	1-1/2" – 11	1-1/2" – 11	67	55
52.103.32	100	2" – 11	2" – 11	76	70

also available:

Balfit[®] Stainless Steel Male BSPT Union

(add an 'S' at the end of the part number; ex: 52.103.24 S)

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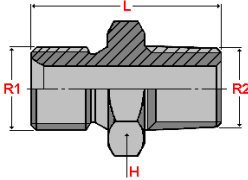
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Balfit[®] Hydraulic Adapters

Balfit[®] Male BSP x Male BSPT Connector – 52.1200

carbon steel straight union BSP 60° cone male x BSPT male



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	thread	L	H
	bar	R1	R2	mm	mm
52.1200.04	350	1/4" – 19	1/4" – 19	26	14
52.1200.06	250	3/8" – 19	3/8" – 19	29	19
52.1200.08	225	1/2" – 14	1/2" – 14	34	22
52.1200.12	200	3/4" – 14	3/4" – 14	41	27
52.1200.16	160	1" – 11	1" – 11	45	33
52.1200.20	160	1-1/4" – 11	1-1/4" – 11	52	41
52.1200.24	160	1-1/2" – 11	1-1/2" – 11	59	48
52.1200.32	100	2" – 11	2" – 11	78	65

also available:

Balfit[®] Stainless Steel Male BSP x Male BSPT Connector

(add an 'S' at the end of the part number; ex: 52.1200.24 S)

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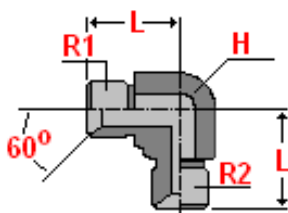
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Balfit[®] Hydraulic Adapters



Balfit[®] Male 90° BSP Union – 53.100

carbon steel 90° male union with Whitworth parallel thread and BSP 60° cone



According to **ISO 8434-6**

Material: Carbon Steel, forged, zinc plated

part number	working pressure	thread	thread	L	H
	bar	R1	R2	mm	mm
53.100.0202	350	1/8" – 28	1/8" – 28	21	11
53.100.0404	350	1/4" – 19	1/4" – 19	26	14
53.100.0606	250	3/8" – 19	3/8" – 19	29	19
53.100.0808	225	1/2" – 14	1/2" – 14	34	22
53.100.1010	200	5/8" – 14	5/8" – 14	38	27
53.100.1212	200	3/4" – 14	3/4" – 14	41	27
53.100.1616	160	1" – 11	1" – 11	45	33
53.100.2020	160	1-1/4" – 11	1-1/4" – 11	52	41
53.100.2424	160	1-1/2" – 11	1-1/2" – 11	59	48
53.100.3232	100	2" – 11	2" – 11	78	65

also available:

Balfit[®] Stainless Steel Male 90° BSP Union

(add an 'S' at the end of the part number; ex: 53.100.2424 S)

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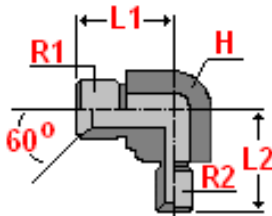
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Balfit[®] Hydraulic Adapters

Balfit[®] Male 90° BSP Union Reduction – 53.101

carbon steel 90° male union reduction with Whitworth parallel thread and BSP 60° cone



According to **ISO 8434-6**

Material: Carbon Steel, forged, zinc plated

part number	working pressure	thread	thread	L1	L2	H
	bar	R1	R2	mm	mm	mm
53.101.0402	350	1/4" – 19	1/8" – 28	26	21	14
53.101.0602	250	3/8" – 19	1/4" – 19	29	21	19
53.101.0604	250	3/8" – 19	1/4" – 19	29	26	19
53.101.0804	225	1/2" – 14	1/4" – 19	34	26	22
53.101.0806	225	1/2" – 14	3/8" – 19	34	29	22
53.101.1008	200	5/8" – 14	1/2" – 14	38	34	27
53.101.1204	200	3/4" – 14	1/4" – 19	41	26	27
53.101.1206	200	3/4" – 14	3/8" – 19	41	29	27
53.101.1208	200	3/4" – 14	1/2" – 14	41	34	27
53.101.1210	200	3/4" – 14	5/8" – 14	41	38	27
53.101.1608	160	1" – 11	1/2" – 14	45	34	33
53.101.1612	160	1" – 11	3/4" – 14	45	41	33
53.101.2012	160	1.1/4" – 11	3/4" – 14	52	41	41
53.101.2016	160	1.1/4" – 11	1" – 11	52	45	41
53.101.2412	160	1.1/2" – 11	3/4" – 14	59	41	48
53.101.2416	100	1.1/2" – 11	1" – 11	59	45	48
53.101.2420	160	1.1/2" – 11	1.1/4" – 11	59	52	48
53.101.3216	160	2" – 11	1" – 11	78	45	65
53.101.3220	100	2" – 11	1.1/4" – 11	78	52	65
53.101.3224	160	2" – 11	1.1/2" – 11	78	59	65

also available:

Balfit[®] Stainless Steel Male 90° BSP Union Reduction

(add an 'S' at the end of the part number; ex: 53.101.0402 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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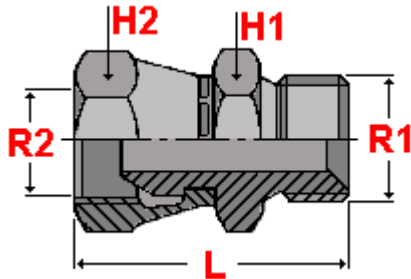
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Balfit® Hydraulic Adapters



Balfit® Male x Swivel Female BSP Adapter – 52.500

carbon steel male x swivel female adapter with Whitworth parallel thread and BSP 60° cone



According to ISO 8434-6

Material: Carbon Steel, zinc plated

part number	working pressure	thread	thread	L	H1	H2
	bar	R1	R2			
52.500.04	350	1/4" – 19	1/4" – 19	37	19	19
52.500.0406	250	1/4" – 19	3/8" – 19	37	19	22
52.500.06	250	3/8" – 19	3/8" – 19	39	22	22
52.500.0604	250	3/8" – 19	1/4" – 19	37	22	19
52.500.0608	225	3/8" – 19	1/2" – 14	43	22	27
52.500.08	225	1/2" – 14	1/2" – 14	45	27	27
52.500.0804	225	1/2" – 14	1/4" – 19	42	27	19
52.500.0806	225	1/2" – 14	3/8" – 19	43	27	22
52.500.10	200	5/8" – 14	5/8" – 14	51	30	30
52.500.12	200	3/4" – 14	3/4" – 14	53	32	32
52.500.1208	200	3/4" – 14	1/2" – 14	52	32	27
52.500.1216	160	3/4" – 14	1" – 11	63	32	41
52.500.16	160	1" – 11.5	1" – 11	65	41	41
52.500.1612	160	1" – 11.5	3/4" – 14	63	41	32
52.500.20	160	1-1/4" – 11.5	1-1/4" – 11	67	50	50
52.500.24	160	1-1/2" – 11.5	1-1/2" – 11	78	55	55
52.500.32	100	2" – 11.5	2" – 11	87	70	70

also available:

Balfit® Stainless Steel Male x Swivel Female BSP Adapter

(add an 'S' at the end of the part number; ex: 52.500.12 S)

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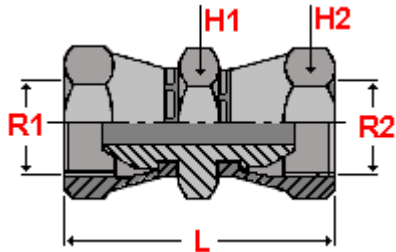
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Balfit[®] Hydraulic Adapters

Balfit[®] Swivel Female x Female BSP Adapter – 52.502

carbon steel swivel female x swivel female adapter with Whitworth parallel thread and BSP 60° cone



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	thread	L	H1	H2
	bar	R1	R2	mm	mm	mm
52.502.02	350	1/8" – 28	1/8" – 28	31	14	14
52.502.04	350	1/4" – 19	1/4" – 19	41	19	19
52.502.06	250	3/8" – 19	3/8" – 19	42	22	22
52.502.08	225	1/2" – 14	1/2" – 14	50	27	27
52.502.12	200	3/4" – 14	3/4" – 14	55	30	30
52.502.16	200	1" – 11	1" – 11	59	32	32
52.502.20	160	1-1/4" – 11	1-1/4" – 11	73	41	41
52.502.24	160	1-1/2" – 11	1-1/2" – 11	76	50	50
52.502.32	100	2" – 11	2" – 11	89	55	55

also available:

Balfit[®] Stainless Steel Swivel Female x Female BSP Adapter

(add an 'S' at the end of the part number; ex: 52.502.12 S)

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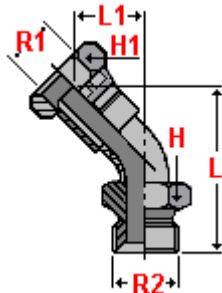
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Balfit[®] Hydraulic Adapters



Balfit[®] 45° Elbow Male x Swivel Female BSP – 52.545

carbon steel 45° elbow male x swivel female BSP 60° cone



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	thread	L1	L1	H1	H2
	bar	R1	R2	mm	mm	mm	mm
52.545.02	350	1/8" – 28	1/8" – 28	45	17	14	14
52.545.04	350	1/4" – 19	1/4" – 19	48	19	19	19
52.545.06	250	3/8" – 19	3/8" – 19	56	22	22	22
52.545.08	225	1/2" – 14	1/2" – 14	58	23	27	27
52.545.12	200	3/4" – 14	3/4" – 14	73	30	32	32
52.545.16	160	1" – 11	1" – 11	82	32	38	38
52.545.20	160	1-1/4" – 11	1-1/4" – 11	98	41	50	50
52.545.24	160	1-1/2" – 11	1-1/2" – 11	117	47	55	55
52.545.32	100	2" – 11	2" – 11	130	50	65	70

also available:

Balfit[®] Stainless Steel 45° Elbow Male x Swivel Female BSP

(add an 'S' at the end of the part number; ex: 52.545.12 S)

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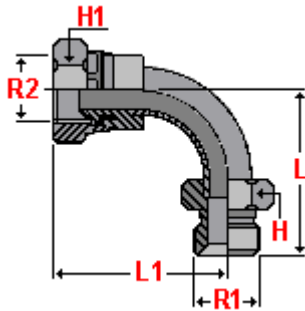
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Balfit[®] Hydraulic Adapters

Balfit[®] 90° Elbow Male x Swivel Female BSP – 52.590

carbon steel 90° elbow male x swivel female BSP 60° cone



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	thread	L	L1	H1	H2
	bar	R1	R2	mm	mm	mm	mm
52.590.02	350	1/8" – 28	1/8" – 28	34	30	14	14
52.590.04	350	1/4" – 19	1/4" – 19	36	32	19	19
52.590.06	250	3/8" – 19	3/8" – 19	43	41	22	22
52.590.08	225	1/2" – 14	1/2" – 14	48	36	27	27
52.590.12	200	3/4" – 14	3/4" – 14	59	58	32	32
52.590.16	160	1" – 11	1" – 11	70	67	38	38
52.590.20	160	1-1/4" – 11	1-1/4" – 11	77	75	50	50
52.590.24	160	1-1/2" – 11	1-1/2" – 11	95	93	55	55
52.590.32	100	2" – 11	2" – 11	119	114	65	70

also available:

Balfit[®] Stainless Steel 90° Elbow Male x Swivel Female BSP

(add an 'S' at the end of the part number; ex: 52.590.12 S)

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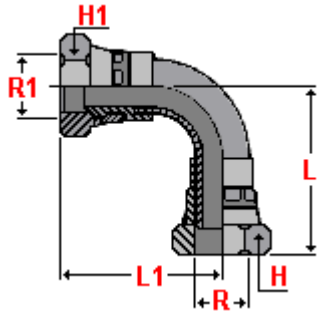
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Balfit[®] Hydraulic Adapters



Balfit[®] 90° Elbow Swivel Female BSP – 52.592

carbon steel 90° elbow swivel female BSP 60° cone



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	thread	L	L1	H	H1
	bar	R	R1	mm	mm	mm	mm
52.592.02	350	1/8" – 28	1/8" – 28	34	30	14	14
52.592.04	350	1/4" – 19	1/4" – 19	36	32	19	19
52.592.06	250	3/8" – 19	3/8" – 19	43	41	22	22
52.592.08	225	1/2" – 14	1/2" – 14	48	36	27	27
52.592.12	200	3/4" – 14	3/4" – 14	59	58	32	32
52.592.16	160	1" – 11	1" – 11	70	67	38	38
52.592.20	160	1-1/4" – 11	1-1/4" – 11	77	75	50	50
52.592.24	160	1-1/2" – 11	1-1/2" – 11	95	93	55	55
52.592.32	100	2" – 11	2" – 11	119	114	65	70

also available:

Balfit[®] Stainless Steel 90° Elbow Swivel Female BSP

(add an 'S' at the end of the part number; ex: 52.592.12 S)

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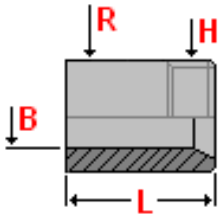
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Balfit[®] Hydraulic Adapters

Balfit[®] BSP Male Welding Bosses – 52.806

carbon steel BSP male welding bosses



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	L	B	H
	bar	R	mm	mm	mm
52.806.02	350	1/8" – 28	28	5	28
52.806.04	350	1/4" – 19	30	7	30
52.806.06	250	3/8" – 19	32	9	32
52.806.08	225	1/2" – 14	34	12	34
52.806.12	200	3/4" – 14	40	15	40
52.806.16	160	1" – 11	41	20	41

also available:

Balfit[®] Stainless Steel BSP Male Welding Bosses

(add an 'S' at the end of the part number; ex: 52.806.12 S)

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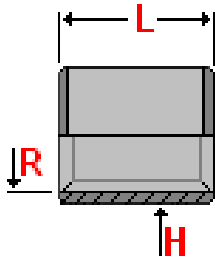
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Balfit[®] Hydraulic Adapters



Balfit[®] BSP Female Welding Bosses – 52.807

carbon steel BSP female welding bosses



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	L		H
	bar	R	mm		mm
52.807.02	350	1/8" – 28	14		20
52.807.04	350	1/4" – 19	16		22
52.807.06	250	3/8" – 19	17		26
52.807.08	225	1/2" – 14	18		30
52.807.12	200	3/4" – 14	20		38
52.807.16	160	1" – 11	25		45
52.807.20	160	1-1/4" – 11	25		55
52.807.24	160	1-1/2" – 11	30		62
52.807.32	100	2" – 11	30		70

also available:

Balfit[®] Stainless Steel BSP Female Welding Bosses

(add an 'S' at the end of the part number; ex: 52.807.12 S)

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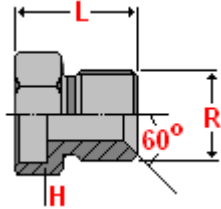
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Balfit[®] Hydraulic Adapters

Balfit[®] BSP Hexagon Male Welding Bosses – 52.808

carbon steel BSP hexagon male welding bosses



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	L		H
	bar	R	mm		mm
52.808.02	350	1/8" – 28	15		14
52.808.04	350	1/4" – 19	20		19
52.808.06	250	3/8" – 19	22		22
52.808.08	225	1/2" – 14	25		27
52.808.12	200	3/4" – 14	27		32
52.808.16	160	1" – 11	30		38
52.808.20	160	1-1/4" – 11	33		50
52.808.24	160	1-1/2" – 11	35		55
52.808.32	100	2" – 11	43		70

also available:

Balfit[®] Stainless Steel BSP Hexagon Male Welding Bosses

(add an 'S' at the end of the part number; ex: 52.808.12 S)

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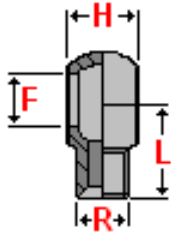
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Balfit[®] Hydraulic Adapters



Balfit[®] BSP Threaded Banjo Eye – 52.800

carbon steel BSP threaded banjo eye



Material: Carbon Steel, zinc plated

part number	working pressure	thread	L	F	H
	bar	R	mm	mm	mm
52.800.04	350	1/4" – 19	24	1/4"	14
52.800.06	250	3/8" – 19	26	3/8"	17
52.800.08	225	1/2" – 14	28	1/2"	22
52.800.12	200	3/4" – 14	32	3/4"	28
52.800.16	160	1" – 11	47	1"	38

also available:

Balfit[®] Stainless Steel BSP Threaded Banjo Eye

(add an 'S' at the end of the part number; ex: 52.800.12 S)

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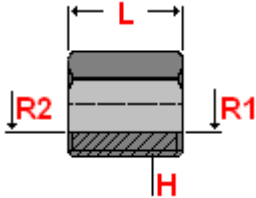
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Balfit[®] Hydraulic Adapters

Balfit[®] BSPP Female Union – 52.3000

carbon steel BSPP female union



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread		L	H
	bar	R1	R2	mm	mm
52.3000.0202	350	1/8" – 28	1/8" – 28	25	14
52.3000.0404	350	1/4" – 19	1/4" – 19	29	17
52.3000.0606	250	3/8" – 19	3/8" – 19	31	22
52.3000.0808	225	1/2" – 14	1/2" – 14	38	25
52.3000.1212	200	3/4" – 14	3/4" – 14	44	32
52.3000.1616	160	1" – 11	1" – 11	49	38
52.3000.2020	160	1-1/4" – 11	1-1/4" – 11	60	50
52.3000.2424	160	1-1/2" – 11	1-1/2" – 11	70	55
52.3000.3232	100	2" – 11	2" – 11	80	65

also available:

Balfit[®] Stainless Steel BSPP Female Union

(add an 'S' at the end of the part number; ex: 52.3000.1212 S)

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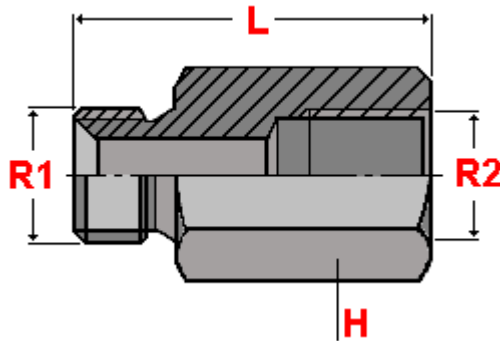
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Balfit® Hydraulic Adapters



Balfit® BSPP Male x BSP Fixed Female Adapter – 52.5000

carbon steel BSPP Male x BSP Fixed Female Adapter



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread		L	H
	bar	R1	R2	mm	mm
52.5000.0204	350	1/8" – 28	1/8" – 28	31	19
52.5000.0406	350	1/4" – 19	1/4" – 19	38	22
52.5000.0408	225	3/8" – 19	3/8" – 19	34	27
52.5000.0608	225	1/2" – 14	1/2" – 14	43	27
52.5000.0612	200	3/4" – 14	3/4" – 14	42	32
52.5000.0812	225	1" – 11	1" – 11	45	32
52.5000.0816	225	1-1/4" – 11	1-1/4" – 11	45	38
52.5000.1216	200	1-1/2" – 11	1-1/2" – 11	46	38

also available:

Balfit® Stainless Steel BSPP Male x BSP Fixed Female Adapter

(add an 'S' at the end of the part number; ex: 52.5000.0812 S)

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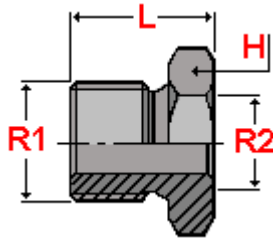
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Balfit[®] Hydraulic Adapters

Balfit[®] BSPP Male x BSP Fixed Female Adapter – 52.5001

carbon steel BSPP Male x BSP Fixed Female Adapter



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread		L	H
		R1	R2		
	bar			mm	mm
52.5001.0604	250	3/8" – 19	1/4" – 19	22	22
52.5001.0804	225	1/2" – 14	1/4" – 19	25	27
52.5001.0806	225	1/2" – 14	3/8" – 19	25	27
52.5001.1206	200	3/4" – 14	3/8" – 19	27	32
52.5001.1208	200	3/4" – 14	1/2" – 14	27	32
52.5001.1606	160	1" – 11	3/8" – 19	30	38
52.5001.1608	160	1" – 11	1/2" – 14	30	38
52.5001.1612	160	1" – 11	3/4" – 14	30	38
52.5001.2012	160	1.1/4" – 11	3/4" – 14	34	50
52.5001.2016	160	1.1/4" – 11	1" – 11	34	50
52.5001.2416	160	1.1/2" – 11	1" – 11	35	55
52.5001.2420	160	1.1/2" – 11	1.1/4" – 11	35	55
52.5001.3220	100	2" – 11	1.1/4" – 11	43	70
52.5001.3224	100	2" – 11	1.1/2" – 11	43	70

also available:

Balfit[®] Stainless Steel BSPP Male x BSP Fixed Female Adapter

(add an 'S' at the end of the part number; ex: 52.5001.0806 S)

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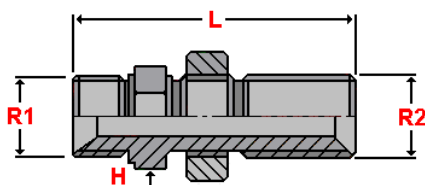
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Balfit® Hydraulic Adapters



Balfit® BSP Bulkhead Connector – 52.5003

carbon steel BSP Bulkhead Connector



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread		L mm	H mm
	bar	R1	R2		
52.5003.04	350	1/4" – 19	1/4" – 19	46	19
52.5003.06	250	3/8" – 19	3/8" – 19	54	22
52.5003.08	225	1/2" – 14	1/2" – 14	57	27
52.5003.12	200	3/4" – 14	3/4" – 14	65	32
52.5003.16	160	1" – 11	1" – 11	73	38

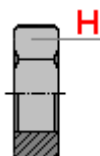
also available:

Balfit® Stainless Steel BSP Bulkhead Connector

(add an 'S' at the end of the part number; ex: 52.5003.06 S)

Balfit® BSP Locknut – 52.5004

(carbon steel BSP Locknut)



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	H mm
	bar		
52.5004.04	350	1/4" – 19	19
52.5004.06	250	3/8" – 19	22
52.5004.08	225	1/2" – 14	27
52.5004.12	200	3/4" – 14	32
52.5004.16	160	1" – 11	38

also available:

Balfit® Stainless Steel BSP Locknut

(add an 'S' at the end of the part number; ex: 52.5004.06 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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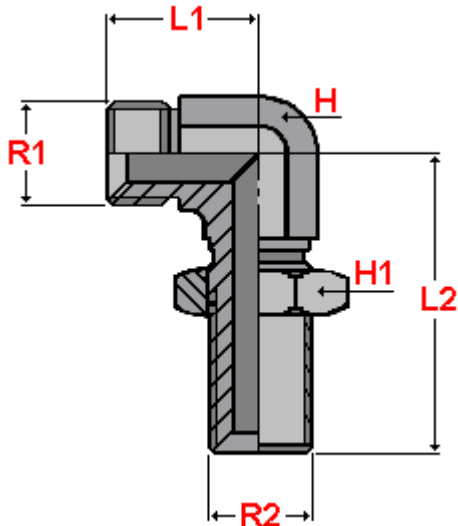
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Balfit[®] Hydraulic Adapters

Balfit[®] 90° Elbow BSP Bulkhead Connector – 52.5005

carbon steel 90° Elbow BSP Bulkhead Connector



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread		L1	L2	H	H1
	bar	R1	R2	mm	mm	mm	mm
52.5005.04	350	1/4" – 19	1/4" – 19	25	46	14	19
52.5005.06	250	3/8" – 19	3/8" – 19	30	54	19	22
52.5005.08	225	1/2" – 14	1/2" – 14	37	61	22	27
52.5005.12	200	3/4" – 14	3/4" – 14	40	68	27	32
52.5005.16	160	1" – 11	1" – 11	48	71	33	38

also available:

Balfit[®] Stainless Steel 90° Elbow BSP Bulkhead Connector

(add an 'S' at the end of the part number; ex: 52.5005.06 S)

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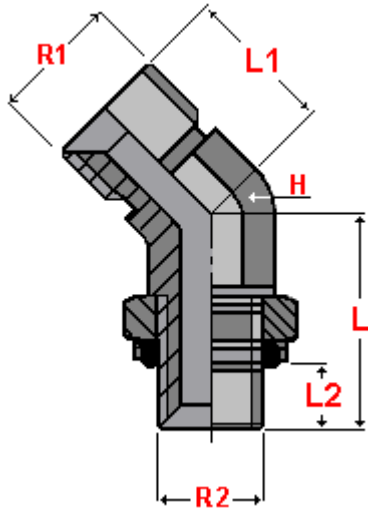
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Balfit[®] Hydraulic Adapters



Balfit[®] 45° Elbow Adjustable BSPP Male – 52.7008

carbon steel 45° Elbow Adjustable BSPP Male



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread		L	L1	L2	H
	bar	R1	R2	mm	mm	mm	mm
52.7008.02	350	1/8" – 28	1/8" – 28	25,5	14,8	6,3	11
52.7008.04	350	1/4" – 19	1/4" – 19	29	19,8	9,5	14
52.7008.06	250	3/8" – 19	3/8" – 19	33	23,3	9,5	19
52.7008.08	225	1/2" – 14	1/2" – 14	39	25,5	13	22
52.7008.12	200	3/4" – 14	3/4" – 14	42,3	29,3	13	27
52.7008.16	160	1" – 11	1" – 11	47	37	16	33
52.7008.20	160	1-1/4" – 11	1-1/4" – 11	48,5	35,5	16	41
52.7008.24	160	1.1/2" – 11	1.1/2" – 11	58,2	45,2	16	48

also available:

Balfit[®] Stainless Steel 45° Elbow Adjustable BSPP Male

(add an 'S' at the end of the part number; ex: 52.7008.06 S)

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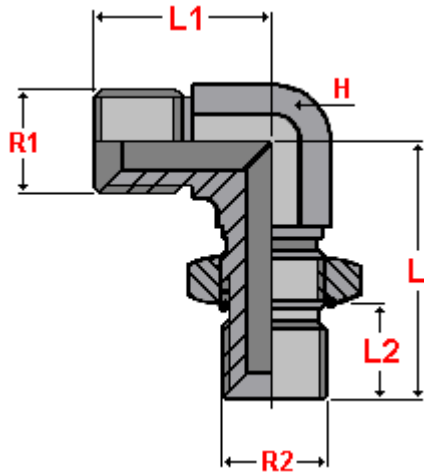
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Balfit[®] Hydraulic Adapters

Balfit[®] 90° Elbow Adjustable BSPP Male – 52.7009

carbon steel 90° Elbow Adjustable BSPP Male



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread		L	L1	L2	H
	bar	R1	R2	mm	mm	mm	mm
52.7009.02	350	1/8" – 28	1/8" – 28	26	19	6	11
52.7009.04	350	1/4" – 19	1/4" – 19	32	25	10	14
52.7009.06	250	3/8" – 19	3/8" – 19	37	30	10	19
52.7009.08	225	1/2" – 14	1/2" – 14	44	36	13	22
52.7009.12	200	3/4" – 14	3/4" – 14	50	39	13	27
52.7009.16	160	1" – 11	1" – 11	54	46	16	33
52.7009.20	160	1-1/4" – 11	1-1/4" – 11	57	50	16	41
52.7009.24	160	1.1/2" – 11	1.1/2" – 11	63	55	16	48

also available:

Balfit[®] Stainless Steel 90° Elbow Adjustable BSPP Male

(add an 'S' at the end of the part number; ex: 52.7009.06 S)

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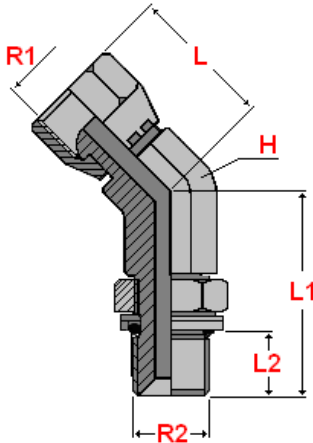
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Balfit[®] Hydraulic Adapters



Balfit[®] 45° Elbow Adjustable BSPP Male x Female – 52.7011

carbon steel 45° Elbow Adjustable BSPP Male x BSPP Female



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread		L	L1	L2	H
	bar	R1	R2	mm	mm	mm	mm
52.7011.02	350	1/8" – 28	1/8" – 28	23,5	18	6,3	11
52.7011.04	350	1/4" – 19	1/4" – 19	26	21	9,5	14
52.7011.06	250	3/8" – 19	3/8" – 19	34	25	9,5	19
52.7011.08	225	1/2" – 14	1/2" – 14	36	28	13	22
52.7011.12	200	3/4" – 14	3/4" – 14	39	33	13	27
52.7011.16	160	1" – 11	1" – 11	39	37	16	33

also available:

Balfit[®] Stainless Steel 45° Elbow Adjustable BSPP Male x Female

(add an 'S' at the end of the part number; ex: 52.7011.06 S)

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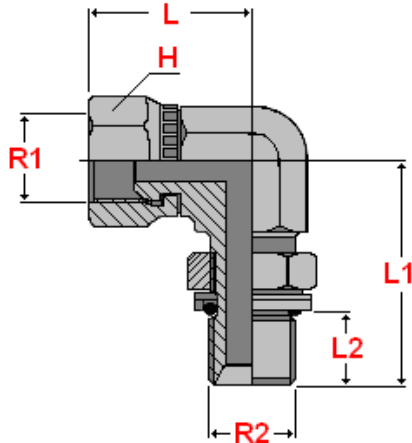
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Balfit[®] Hydraulic Adapters

Balfit[®] 90° Elbow Adjustable BSPP Male x Female – 52.7010

carbon steel 90° Elbow Adjustable BSPP Male x BSPP Female



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread		L	L1	L2	H
	bar	R1	R2	mm	mm	mm	mm
52.7010.02	350	1/8" – 28	1/8" – 28	24	26	6,3	11
52.7010.04	350	1/4" – 19	1/4" – 19	29	32	9,5	14
52.7010.06	250	3/8" – 19	3/8" – 19	31	37	9,5	19
52.7010.08	225	1/2" – 14	1/2" – 14	41	44	13	22
52.7010.12	200	3/4" – 14	3/4" – 14	46	50	13	27
52.7010.16	160	1" – 11	1" – 11	49	54	16	33
52.7010.20	160	1-1/4" – 11	1-1/4" – 11	58	57	16	41

also available:

Balfit[®] Stainless Steel 90° Elbow Adjustable BSPP Male x Female

(add an 'S' at the end of the part number; ex: 52.7010.06 S)

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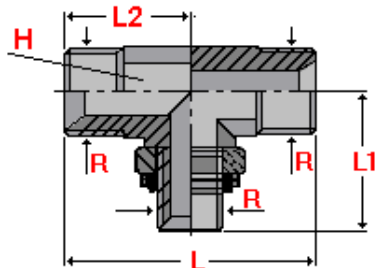
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Balfit[®] Hydraulic Adapters



Balfit[®] BSPP Male Adjustable Branch Tee – 52.7012

carbon steel BSPP Male Adjustable Branch Tee



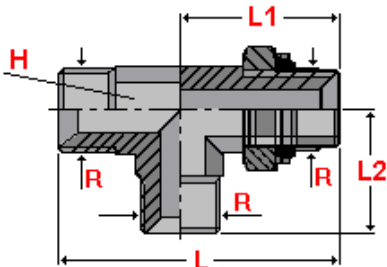
According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	L	L1	L2	H
	bar	R1	mm	mm	mm	mm
52.7012.02	350	1/8" – 28	40	26	20	11
52.7012.04	350	1/4" – 19	52	32	26	14
52.7012.06	250	3/8" – 19	60	37	30	19
52.7012.08	225	1/2" – 14	72	43	36	22
52.7012.12	200	3/4" – 14	78	50	39	27
52.7012.16	160	1" – 11	92	52	46	33

Balfit[®] BSPP Male Adjustable Run Tee – 52.7013

(carbon steel BSPP Male Adjustable Run Tee)



part number	working pressure	thread	L	L1	L2	H
	bar	R1	mm	mm	mm	mm
52.7013.02	350	1/8" – 28	46	26	20	11
52.7013.04	350	1/4" – 19	58	32	26	14
52.7013.06	250	3/8" – 19	67	37	30	19
52.7013.08	225	1/2" – 14	79	43	36	22
52.7013.12	200	3/4" – 14	88,5	49,5	39	27
52.7013.16	160	1" – 11	98	52	46	33

also available:

Balfit[®] Stainless Steel BSPP Male Adjustable Branch and Run Tee

(add an 'S' at the end of the part number; ex: 52.7012.06 S and 52.7013.06 S)

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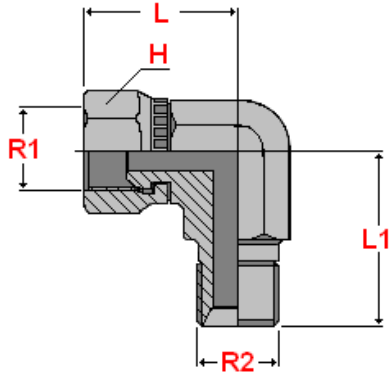
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Balfit[®] Hydraulic Adapters

Balfit[®] 90° Elbow BSPP Male x Female – 53.110

carbon steel 90° Elbow BSPP Male x BSPP Female



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread		L	L1	H
	bar	R1	R2	mm	mm	mm
53.110.0202	350	1/8" – 28	1/8" – 28	27	25	11
53.110.0404	350	1/4" – 19	1/4" – 19	29	27	14
53.110.0606	250	3/8" – 19	3/8" – 19	34	32	19
53.110.0808	225	1/2" – 14	1/2" – 14	40	36	22
53.110.1212	200	3/4" – 14	3/4" – 14	46	40	27
53.110.1616	160	1" – 11	1" – 11	52	50	33
53.110.2020	160	1.1/4" – 11	1.1/4" – 11	54	52	41

also available:

Balfit[®] Stainless Steel 90° Elbow BSPP Male x Female

(add an 'S' at the end of the part number; ex: 53.110.0606 S)

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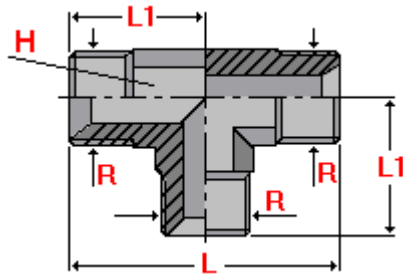
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Balfit® Hydraulic Adapters



Balfit® Union BSPP Male Tee – 53.300

carbon steel Union BSPP Male Tee



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	L	L1	H
	bar	R	mm	mm	
53.300.02	350	1/8" – 28	52	25	11
53.300.04	350	1/4" – 19	54	27	14
53.300.06	250	3/8" – 19	64	32	19
53.300.08	225	1/2" – 14	72	36	22
53.300.12	200	3/4" – 14	80	40	27
53.300.16	160	1" – 11	100	50	33
53.300.20	160	1.1/4" – 11	104	52	41
53.300.24	125	1.1/2" – 11	118	59	50

also available:

Balfit® Stainless Steel Union BSPP Male Tee

(add an 'S' at the end of the part number; ex: 53.300.06 S)

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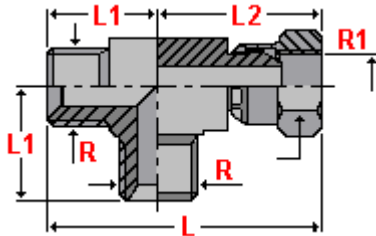
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Balfit[®] Hydraulic Adapters

Balfit[®] Swivel BSP Run Tee – 53.4011

carbon steel BSP Male x BSP Male x Swivel BSP Female Run Tee



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread		L	L1	L2	H
	bar	R	R1	mm	mm	mm	mm
53.4011.02	350	1/8" – 28	1/8" – 28	52	27	25	11
53.4011.04	350	1/4" – 19	1/4" – 19	56	29	27	14
53.4011.06	250	3/8" – 19	3/8" – 19	66	34	32	19
53.4011.08	225	1/2" – 14	1/2" – 14	76	40	36	22
53.4011.12	200	3/4" – 14	3/4" – 14	86	46	40	27
53.4011.16	160	1" – 11	1" – 11	102	52	50	33
53.4011.20	160	1.1/4" – 11	1.1/4" – 11	106	54	52	41
53.4011.24	125	1.1/2" – 11	1.1/2" – 11	120	61	59	50

also available:

Balfit[®] Stainless Steel Swivel BSP Run Tee

(add an 'S' at the end of the part number; ex: 53.4011.06 S)

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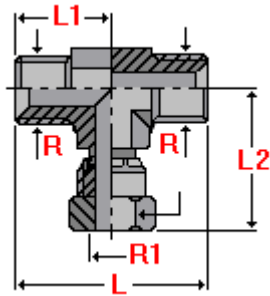
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Balfit® Hydraulic Adapters



Balfit® Swivel BSP Branch Tee – 53.4012

carbon steel BSP Male x BSP Male x Swivel BSP Female Branch Tee



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread		L	L1	L2	H
	bar	R	R1	mm	mm	mm	mm
53.4012.02	350	1/8" – 28	1/8" – 28	52	25	27	11
53.4012.04	350	1/4" – 19	1/4" – 19	56	27	29	14
53.4012.06	250	3/8" – 19	3/8" – 19	66	32	34	19
53.4012.08	225	1/2" – 14	1/2" – 14	76	36	40	22
53.4012.12	200	3/4" – 14	3/4" – 14	86	40	46	27
53.4012.16	160	1" – 11	1" – 11	102	50	52	33
53.4012.20	160	1.1/4" – 11	1.1/4" – 11	106	52	54	41
53.4012.24	125	1.1/2" – 11	1.1/2" – 11	120	59	61	50

also available:

Balfit® Stainless Steel Swivel BSP Branch Tee

(add an 'S' at the end of the part number; ex: 53.4012.06 S)

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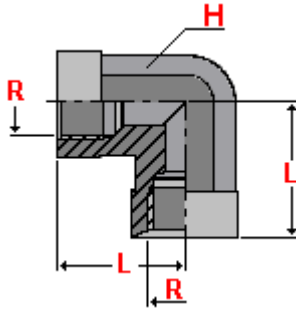
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Balfit[®] Hydraulic Adapters

Balfit[®] 90° BSPP Elbow Fixed Female Union – 53.120

carbon steel 90° BSP Elbow Fixed Female Union



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	L			H
	bar	R	mm			mm
53.120.0202	350	1/8" – 28	25			11
53.120.0404	350	1/4" – 19	27			14
53.120.0606	250	3/8" – 19	32			19
53.120.0808	225	1/2" – 14	36			22
53.120.1212	200	3/4" – 14	40			27
53.120.1616	160	1" – 11	50			33

also available:

Balfit[®] Stainless Steel 90° BSPP Elbow Fixed Female Union

(add an 'S' at the end of the part number; ex: 53.120.0606 S)

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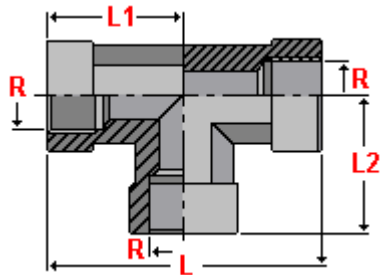
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Balfit[®] Hydraulic Adapters



Balfit[®] Fixed Female BSPP Tee – 53.302

carbon steel Fixed Female BSPP Tee



According to **ISO 8434-6**

Material: Carbon Steel, zinc plated

part number	working pressure	thread	L	L1	L2	H
	bar	R	mm	mm	mm	mm
53.302.02	350	1/8" – 28	50	25	25	11
53.302.04	350	1/4" – 19	54	27	27	14
53.302.06	250	3/8" – 19	64	32	32	19
53.302.08	225	1/2" – 14	72	36	36	22
53.302.12	200	3/4" – 14	80	40	40	27
53.302.16	160	1" – 11	100	50	50	33

also available:

Balfit[®] Stainless Steel Fixed Female BSPP Tee

(add an 'S' at the end of the part number; ex: 53.302.06 S)

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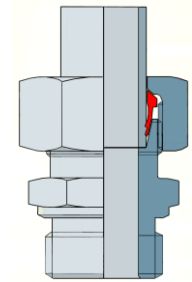
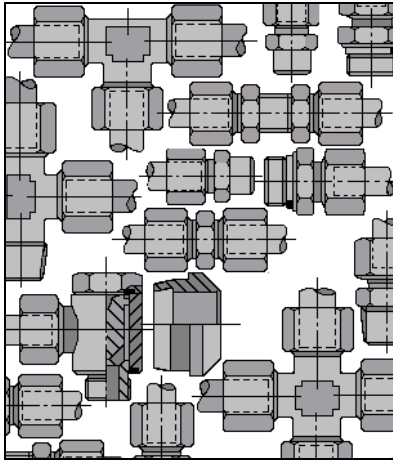
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Balfit[®] Compression Ring Pipe Fittings

The range of **Balfit[®]** 24° compression ring hydraulic pipe fittings is produced according to **ISO 8434-1** and **DIN 2353** standards. It covers a very wide variety of applications typical of hydraulic pipe pressure lines.

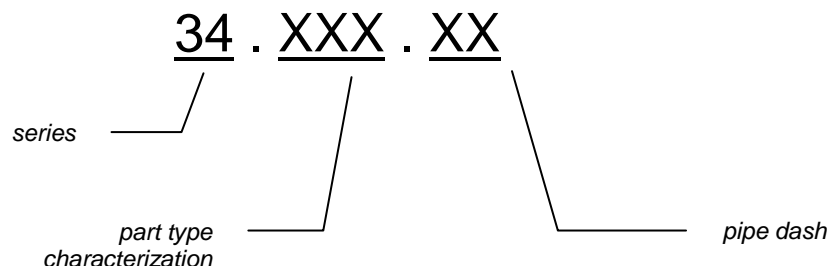


Balfit 24° Compression Ring Hydraulic Pipe Fittings (Series 34)

Balflex[®] optimized the production of these fittings and their compatibility with a wide range of other types of hydraulic fittings, in order to assure the highest performance and the most extensive range of applications, including **BSP** and **taper threads** included in **DIN 2353** and not included in **ISO 8434-1**, as well **NPTF** threads and **banjos** not foreseen in both standards, but common in industrial standards. The **Balfit[®]** hydraulic fittings program in this catalogue includes thus complete fittings (body, cutting ring and nut) with

- **metric parallel**
- **BSP parallel and taper threads**
- **NPTF threads**

The **Balfit[®]** compression ring fittings part code is composed of three groups of digits:



Construction characteristics and dimensions may be changed at any time without prior notice.

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Balfit® Compression Ring Pipe Fittings

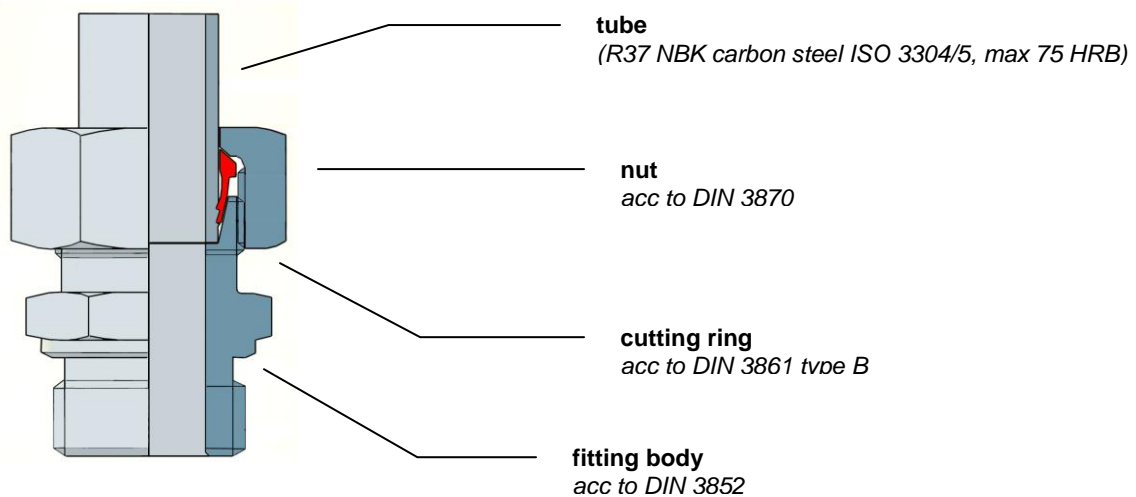


Compression ring operation principle

The compression ring (also called cutting ring) mechanical fittings assure assembly of threaded fittings to removable hydraulic tubes without any need of tapping, welding or flaring. It provides maximum assembly simplicity with perfect sealing characteristics.

Sealing is achieved through permanent deformation of the tube. The compression ring is designed to fit on the tube and into the 24° cone of the fitting body. When the nut is tightened the ring is compressed into the cone and its cutting edge bites into the tube, assuring through deformation of the tube outer wall both securement and sealing.

Balfit compression ring fittings use DIN 3861 type B compression rings, with 2 cutting edges. This design has the advantage of providing a better balance of forces, superior sealing and added resistance to vibrations.



Assembly Instructions

The preparation sequence comprises the following 3 steps:

- The tube is cut square with a hack-saw (roller type saws should be avoided), leaving a straight section for assembly of the fitting with at least twice the length of the nut; the tube edges must be de-burred.
- All contact parts (e.g. the 24° cone, the threads and the ring) must be lubricated with an adequate product.
- The nut and the compression ring are inserted up the tube as in the picture above; the larger diameter of the ring must face the nut in order that the cutting edges will face the 24° cone of the fitting body.

Tubes shall conform to ISO 3304/5 R37 NBK or DIN 1630 St 37.4, with maximum hardness of HRB 75. Light wall tubes may require an insert.

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Balfit[®] Compression Ring Pipe Fittings

Assembly should follow the instructions of DIN 3859 part 2 and is also a 3-step procedure:

- the cutting ring is made to bite the tube;
- the correct seating of the cutting ring is verified;
- the assembly is tightened.

The first step can be made either on the final application placement, using standard fitting body, or as a pre-assembly on a workbench using a specific hardened tool with the 24° cone form. The wear of pre-assembly tools has to be verified every 40 to 50 assemblies. Large diameter tubes (Ø 10 mm) should always be pre-assembled using hardened blocks. If standard fitting bodies are used, they should be replaced with each tightening.

Assembly using hardened tools comprises:

- To make the compression ring bite into the tube (step 1), hold the tube firmly against the 24° cone and tighten the nut 3/4 of a turn.
- Loosen the nut to verify (step 2) that the compression ring edges have cut into the tube (a raised edge of tube material must be clearly visible all around the tube in front of the compression ring).
- Tighten the tube on the pressure line (step 3) until resistance is met (which means that the previous tightening position is found); turn the nut another 1/4 of a turn for optimal pressure resistance.

Note: In step one make sure that the tube is hold firmly against the cone; otherwise it will advance with the nut and the ring will not cut into its surface. Make sure also that the tube does not rotate with the nut. In a successful pre-assembly the ring may still be turned around the tube, although not moving from its placement. If the ring is not correctly secured the process has to be restarted.

Assembly on the final placement with standard fittings comprises:

- To make the compression ring bite into the tube (step 1), hold the tube firmly against the 24° cone tighten the nut by hand against the ring and then tighten the nut 1 1/2 turns with two wrenches.
- Loosen the nut to verify (step 2) that the compression ring edges have cut into the tube (a raised edge of tube material must be clearly visible all around the tube in front of the compression ring).
- Tighten the nut again (step 3) with the same force as in step 1.

Technical Characteristics

The **Balfit** compression ring fittings in carbon steel are designed for petroleum based hydraulic fluids applications with a **temperature range of -20°C to +100°C**. These limits may be exceeded using other construction materials for the fittings bodies and sealing rings. Stainless steel variants of the fittings with viton seals, achieving maximum temperatures of 200° C, are listed in the catalogue pages. If other fluids are used, corrosion resistance of the fittings should be verified before application.

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Balfit[®] Compression Ring Pipe Fittings



Pressure classes for **Balfit** compression ring fittings follow ISO and DIN standards classification in

- **LL** for very light duty fittings, with a maximum working pressure of 10 MPa (1450 PSI);
- **L** for light duty fittings, with a maximum working pressure of 31,5 MPa (4500 PSI); and
- **S** for heavy duty fittings, with a maximum working pressure of 63 MPa (9000 PSI).

The **safety factor of 4:1** relating minimum burst pressure to recommended working pressure applies. The working pressure for each fitting and size is listed in the catalogue pages for working temperature of 20 °C. A linear de-rating factor of 12%/100°C should be used for higher working temperatures.

Compression ring fittings have good resistance to vibration. However, in presence of fluid hammering, the heavy duty fittings should be used.

Cylindrical and taper threads should be used always matched. In case of cylindrical threads used against softer materials, gasket type should always be preferred, to guarantee sealing even at low torque values.

Table 1: Pressure Conversion

bar	0,00134	0,0025	0,0339	0,069	0,098	1,00	1,01	10,0	100
PSI	0,0194	0,036	0,492	1,001	1,421	14,504	14,69	145,04	1450,38
MPa	-	-	0,003	0,007	0,0098	0,10	0,101	1,00	10,00
1 atm	0,001	0,0025	0,0335	0,068	0,097	0,987	1,00	9,87	98,69
m H₂O (20°C)	0,014	0,026	0,346	0,704	1,000	10,207	10,34	102,074	1020,736
in Hg (20°C)	0,0396	0,074	1,001	2,04	2,89	29,53	29,91	295,30	2953
in H₂O (20°C)	0,538	1,005	13,623	27,73	39,38	401,86	407,09	4018,65	40186,47
mm Hg (20°C)	1,005	1,88	25,43	51,75	73,51	750,06	759,81	7500,62	75006,17

Example: 1 MPa = 14,51 PSI ; 1Mpa = 10,0bar

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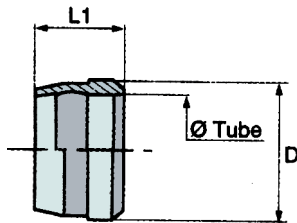
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] 24° Compression Ring – 34.101.

double edged carbon steel compression ring for 24° compression ring pipe fittings



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Heat treated, passivated and zinc-plated

part number	Ø tube	dimensions		working pressure	ISO series
	mm	L1	D	MPa	
34.101.06LS	6	9,5	10	31.5	L
34.101.08LS	8	9,5	12	31.5	L
34.101.10LS	10	10	14	31.5	L
34.101.12LS	12	10	16	31.5	L
34.101.15L	15	10	19	31.5	L
34.101.18L	18	10	23	31.5	L
34.101.22L	22	10,5	27	16.0	L
34.101.28L	28	11	33	16.0	L
34.101.35L	35	13	41	16.0	L
34.101.42L	42	13	48	16.0	L
34.101.14S	14	10	19	63.0	S
34.101.16S	16	10,5	21	40.0	S
34.101.20S	20	12	26	40.0	S
34.101.25S	25	12	32	40.0	S
34.101.30S	30	13	36	40.0	S
34.101.38S	38	13	44	31.5	S

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.101.15LS)

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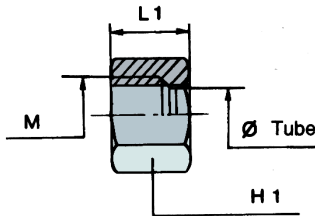
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Balfit® Compression Ring Pipe Fittings



Balfit® Tightening Nut – 34.102.

carbon steel tightening nut for 24° compression ring pipe fittings



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	dimensions			working pressure	ISO series
	mm	M	L	H1		
34.102.06L	6	12x1,5	14,5	14	31.5	L
34.102.08L	8	14x1,5	14,5	17	31.5	L
34.102.10L	10	16x1,5	15,5	19	31.5	L
34.102.12L	12	18x1,5	15,5	22	31.5	L
34.102.15L	15	22x1,5	17	27	31.5	L
34.102.18L	18	26x1,5	18	32	31.5	L
34.102.22L	22	30x2	20	36	16.0	L
34.102.28L	28	36x2	21	41	16.0	L
34.102.35L	35	45x2	24	50	16.0	L
34.102.42L	42	52x2	24	60	16.0	L
34.102.06S	6	14x1,5	16,5	17	63.0	S
34.102.08S	8	16x1,5	16,5	19	63.0	S
34.102.10S	10	18x1,5	17,5	22	63.0	S
34.102.12S	12	20x1,5	17,5	24	63.0	S
34.102.14S	14	22x1,5	20,5	27	63.0	S
34.102.16S	16	24x1,5	20,5	30	40.0	S
34.102.20S	20	30x2	24	36	40.0	S
34.102.25S	25	36x2	27	46	40.0	S
34.102.30S	30	42x2	29	50	40.0	S
34.102.38S	38	52x2	32,5	60	31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.102.15LS)

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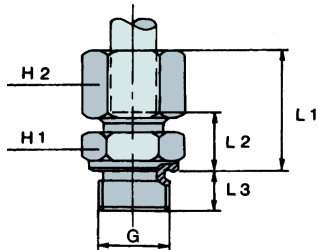
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] BSP Male Connector – 34.103.

carbon steel parallel BSP thread male stud 24° compression ring pipe fitting



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
			mm	G	L1	L2	L3	H1		
34.103.06LR02	6	1/8	23	8,5	8	14	14	31.5	L	
34.103.08LR04	8	1/4	25	10	12	19	17	31.5	L	
34.103.10LR04	10	1/4	26	11	12	19	19	31.5	L	
34.103.12LR06	12	3/8	27	12,5	12	22	22	31.5	L	
34.103.15LR08	15	1/2	29	14	14	27	27	31.5	L	
34.103.18LR08	18	1/2	31	14,5	14	27	32	31.5	L	
34.103.22LR12	22	3/4	33	16,5	16	32	36	16.0	L	
34.103.28LR16	28	1	34	17,5	18	41	41	16.0	L	
34.103.35LR20	35	1-1/4	39	17,5	20	50	50	16.0	L	
34.103.42LR24	42	1-1/2	42	19	22	55	60	16.0	L	
34.103.06SR04	6	1/4	28	13	12	19	17	63.0	S	
34.103.08SR04	8	1/4	30	15	12	19	19	63.0	S	
34.103.10SR06	10	3/8	31	15	12	22	22	63.0	S	
34.103.12SR06	12	3/8	33	17	12	22	24	63.0	S	
34.103.14SR08	14	1/2	37	19	14	27	27	63.0	S	
34.103.16SR08	16	1/2	37	18,5	14	27	30	40.0	S	
34.103.20SR12	20	3/4	42	20,5	16	32	36	40.0	S	
34.103.25SR16	25	1	47	23	18	41	46	40.0	S	
34.103.30SR20	30	1-1/4	50	23,5	20	50	50	40.0	S	
34.103.38SR24	38	1-1/2	57	26	22	55	60	31.5	S	
34.103.06LR04	6	1/4	24,5	10	12	19	14	31.5	L	
34.103.08LR02	8	1/8	24,5	9,5	8	17	17	31.5	L	

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.103.10SR06S)

continued on next page

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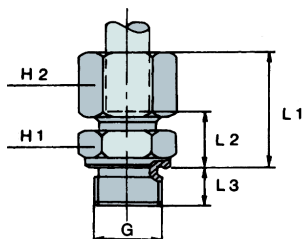
Balfit® Compression Ring Pipe Fittings



continued

Balfit® BSP Male Connector – 34.103.

carbon steel parallel BSP thread male stud 24° compression ring pipe fitting



According to ISO 8434-1 According to DIN 2353

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
	mm	G	L1	L2	L3	H1	H2	MPa		
34.103.08LR06	8	3/8	26,5	11,5	12	22	17	31,5	L	
34.103.08LR08	8	1/2	27	12	14	27	17	31,5	L	
34.103.10LR02	10	1/8	25,5	10,5	8	17	19	31,5	L	
34.103.10LR06	10	3/8	27,5	12,5	12	22	19	31,5	L	
34.103.10LR08	10	1/2	28	13	14	27	19	31,5	L	
34.103.12LR04	12	1/4	26,5	12	12	19	22	31,5	L	
34.103.12LR08	12	1/2	27,5	13	14	27	22	315	L	
34.103.15LR06	15	3/8	28,5	13,5	12	24	27	315	L	
34.103.18LR12	18	3/4	31	14,5	16	32	32	315	L	
34.103.12SR08	12	1/2	33,5	17,5	14	27	24	630	S	
34.103.14SR06	14	3/8	36,5	18,5	12	24	27	630	S	
34.103.16SR06	16	3/8	36,5	18	12	27	30	400	S	
34.103.20SR08	20	1/2	42	20,5	14	32	36	400	S	
34.103.25SR12	25	3/4	47	23	16	41	46	400	S	
34.103.30SR16	30	1	50	23,5	18	50	50	400	S	
34.103.08SR06	8	3/8	30,5	15,5	12	22	19	630	S	
34.103.10SR04	10	1/4	30,5	14,5	12	19	22	630	S	
34.103.10SR08	10	1/2	33,5	17,5	14	27	22	630	S	
34.103.12SR04	12	1/4	32,5	16,5	12	22	24	630	S	
34.103.16SR12	16	3/4	39	20,5	16	32	30	400	S	
34.103.20SR16	20	1	44	22,5	18	41	36	400	S	
34.103.38SR20	38	1-1/4	57	26	20	55	60	315	S	
34.103.15LR12	15	3/4	30	15	16	32	27	315	L	
34.103.22LR08	22	1/2	33	16,5	14	32	36	160	L	
34.103.22LR16	22	1	34	17,5	18	41	36	160	L	
34.103.28LR12	28	3/4	34	17,5	16	41	41	160	L	
34.103.35LR16	35	1	39	17,5	18	50	50	160	L	
34.103.06SR06	6	3/8	26	11,5	12	22	14	315	L	
34.103.42LR20	42	1-1/4	42	19	20	55	60	160	L	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.103.10SR06S)

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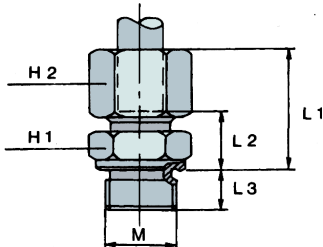
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] Metric Male Connector – 34.104.

carbon steel parallel Metric thread male stud 24° compression ring pipe fitting



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
			mm	G	L1	L2	L3	H1		
34.104.06LM10	6	10x1	23	8,5	8	14	14		31,5	L
34.104.08LM12	8	12x1,5	25	10	12	17	17		31,5	L
34.104.10LM14	10	14x1,5	26	11	12	19	19		31,5	L
34.104.12LM16	12	16x1,5	27	12,5	12	22	22		31,5	L
34.104.15LM18	15	18x1,5	29	13,5	12	24	27		31,5	L
34.104.18LM22	18	22x1,5	31	14,5	14	27	32		31,5	L
34.104.22LM26	22	26x1,5	33	16,5	16	32	36		16,0	L
34.104.28LM33	28	33x2	34	17,5	18	41	41		16,0	L
34.104.35LM42	35	42x2	39	17,5	20	50	50		16,0	L
34.104.42LM48	42	48x2	42	19	22	55	60		16,0	L
34.104.06SM12	6	12x1,5	28	13	12	17	17		63,0	S
34.104.08SM14	8	14x1,5	30	15	12	19	19		63,0	S
34.104.10SM16	10	16x1,5	31	15	12	22	22		63,0	S
34.104.12SM18	12	18x1,5	33	17	12	24	24		63,0	S
34.104.14SM20	14	20x1,5	37	19	14	27	27		63,0	S
34.104.16SM22	16	22x1,5	37	18,5	14	27	30		40,0	S
34.104.20SM27	20	27x2	42	20,5	16	32	36		40,0	S
34.104.25SM33	25	33x2	47	23	18	41	46		40,0	S
34.104.30SM42	30	42x2	50	23,5	20	50	50		40,0	S
34.104.38SM48	38	48x2	57	26	22	55	60		31,5	S
34.104.08LM18	8	18x1,5	26,5	11,5	12	24	17		31,5	L
34.104.10SM16	10	16x1,5	27,5	12,5	12	22	19		31,5	L

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.104.22LM26S)

continued on next page

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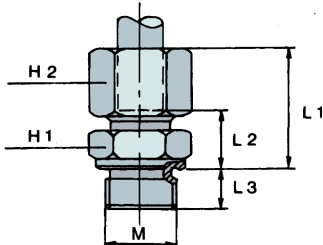
Balfit® Compression Ring Pipe Fittings



continued

Balfit® Metric Male Connector – 34.104.

carbon steel parallel Metric thread male stud 24° compression ring pipe fitting



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
	mm	G	L1	L2	L3	H1	H2	MPa		
34.104.10LM18	10	18x1,5	27,5	12,5	12	24	19	31.5	L	
34.104.10LM22	10	22x1,5	29	14	14	27	19	31.5	L	
34.104.12LM14	12	14x1,5	27	12,5	12	19	22	31.5	L	
34.104.12LM18	12	18x1,5	27	12,5	12	24	22	31.5	L	
34.104.12LM22	12	22x1,5	28,5	14	14	27	22	31.5	L	
34.104.15LM16	15	16x1,5	28	13	12	24	27	31.5	L	
34.104.15LM22	15	22x1,5	30	15	14	27	27	31.5	L	
34.104.18LM18	18	18x1,5	30,5	14	12	27	32	31.5	L	
34.104.22LM22	22	22x1,5	33	16,5	14	32	36	16.0	L	
34.104.12SM22	12	22x1,5	33,5	17,5	14	27	24	63.0	S	
34.104.16SM18	16	18x1,5	36,5	18	12	27	30	40.0	S	

these sizes available only on scheduled orders

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.104.12SM22S)

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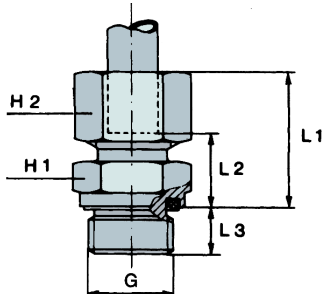
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] BSP Male Connector with seal – 34.105.

carbon steel parallel BSP thread male stud 24° compression ring pipe fitting with rubber seal



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube mm	thread G	dimensions						working pressure MPa	ISO series
			L1	L2	L3	H1	H2			
34.105.06LR02	6	1/8	23	8,5	8	14	14		31.5	L
34.105.08LR04	8	1/4	25	10	12	19	17		31.5	L
34.105.10LR04	10	1/4	26	11	12	19	19		31.5	L
34.105.12LR06	12	3/8	27	12,5	12	22	22		31.5	L
34.105.15LR08	15	1/2	29	14	14	27	27		31.5	L
34.105.18LR08	18	1/2	31	14,5	14	27	32		31.5	L
34.105.22LR12	22	3/4	33	16,5	16	32	36		16.0	L
34.105.28LR16	28	1	34	17,5	18	41	41		16.0	L
34.105.35LR20	35	1-1/4	39	17,5	20	50	50		16.0	L
34.105.42LR24	42	1-1/2	42	19	22	55	60		16.0	L
34.105.06SR04	6	1/4	28	13	12	19	17		63.0	S
34.105.08SR04	8	1/4	30	15	12	19	19		63.0	S
34.105.10SR06	10	3/8	31	15	12	22	22		63.0	S
34.105.12SR06	12	3/8	33	17	12	22	24		63.0	S
34.105.14SR08	14	1/2	37	19	14	27	27		63.0	S
34.105.16SR08	16	1/2	37	18,5	14	27	30		40.0	S
34.105.20SR12	20	3/4	42	20,5	16	32	36		40.0	S
34.105.25SR16	25	1	47	23	18	41	46		40.0	S
34.105.30SR20	30	1-1/4	50	23,5	20	50	50		40.0	S
34.105.38SR24	38	1-1/2	57	26	22	55	60		31.5	S
34.105.06LR04	6	1/4	24,5	10	12	19	14		31.5	L
34.105.08LR02	8	1/8	24,5	9,5	8	17	17		31.5	L

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.105.06LR04S)

continued on next page

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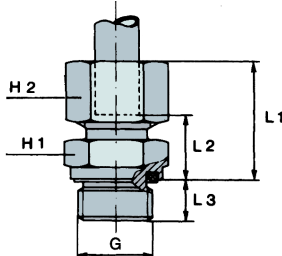
Balfit® Compression Ring Pipe Fittings



continued

Balfit® BSP Male Connector with seal – 34.105.

carbon steel parallel BSP thread male stud 24° compression ring pipe fitting with rubber seal



According to ISO 8434-1 According to DIN 2353

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
			mm	G	L1	L2	L3	H1		
34.105.08LR06	8	3/8	26,5	11,5	12	22	17	31,5	L	
34.105.08LR08	8	1/2	27	12	14	27	17	31,5	L	
34.105.10LR02	10	1/8	25,5	10,5	8	17	19	31,5	L	
34.105.10LR06	10	3/8	27,5	12,5	12	22	19	31,5	L	
34.105.10LR08	10	1/2	28	13	14	27	19	31,5	L	
34.105.12LR04	12	1/4	26,5	12	12	19	22	31,5	L	
34.105.12LR08	12	1/2	27,5	13	14	27	22	31,5	L	
34.105.15LR06	15	3/8	28,5	13,5	12	24	27	31,5	L	
34.105.18SR12	18	3/4	31	14,5	16	32	32	31,5	L	
34.105.12SR08	12	1/2	33,5	17,5	14	27	24	63,0	S	
34.105.14SR06	14	3/8	36,5	18,5	12	24	27	63,0	S	
34.105.16SR06	16	3/8	36,5	18	12	27	30	40,0	S	
34.105.20SR08	20	1/2	42	20,5	14	32	36	40,0	S	
34.105.25SR12	25	3/4	47	23	16	41	46	40,0	S	
34.105.30SR16	30	1	50	23,5	18	50	50	40,0	S	
34.105.08SR06	8	3/8	30,5	15,5	12	22	19	63,0	S	
34.105.10SR04	10	1/4	30,5	14,5	12	19	22	63,0	S	
34.105.10SR08	10	1/2	33,5	17,5	14	27	22	63,0	S	
34.105.12SR04	12	1/4	32,5	16,5	12	22	24	63,0	S	
34.105.16SR12	16	3/4	39	20,5	16	32	30	40,0	S	
34.105.20SR16	20	1	44	22,5	18	41	36	40,0	S	
34.105.38SR20	38	1-1/4	57	26	20	55	60	31,5	S	
34.105.15LR12	15	3/4	30	15	16	32	27	31,5	L	
34.105.22LR08	22	1/2	33	16,5	14	32	36	16,0	L	
34.105.22LR16	22	1	34	17,5	18	41	36	16,0	L	
34.105.28LR12	28	3/4	34	17,5	16	41	41	16,0	L	
34.105.35LR16	35	1	39	17,5	18	50	50	16,0	L	
34.105.06LR06	6	3/8	26	11,5	12	22	14	31,5	L	
34.105.42LR20	42	1-1/4	42	19	20	55	60	16,0	L	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.105.06LR04S)

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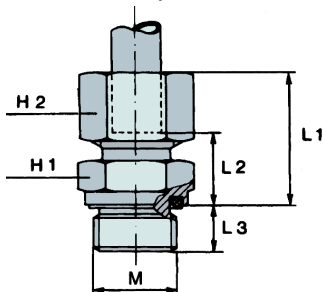
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] Metric Male Connector with seal – 34.106.

carbon steel parallel Metric thread male stud 24° compression ring pipe fitting with rubber seal



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube mm	thread G	dimensions						working pressure MPa	ISO series
			L1	L2	L3	H1	H2	M		
34.106.06LM10	6	10x1	23	8,5	8	14	14		31.5	L
34.106.08LM12	8	12x1,5	25	10	12	17	17		31.5	L
34.106.10LM14	10	14x1,5	26	11	12	19	19		31.5	L
34.106.12LM16	12	16x1,5	27	12,5	12	22	22		31.5	L
34.106.15LM18	15	18x1,5	29	13,5	12	24	27		31.5	L
34.106.18LM22	18	22x1,5	31	14,5	14	27	32		31.5	L
34.106.22LM26	22	26x1,5	33	16,5	16	32	36		16.0	L
34.106.28LM33	28	33x2	34	17,5	18	41	41		16.0	L
34.106.35LM42	35	42x2	39	17,5	20	50	50		16.0	L
34.106.42LM48	42	48x2	42	19	22	55	60		16.0	L
34.106.06SM12	6	12x1,5	28	13	12	17	17		63.0	S
34.106.08SM14	8	14x1,5	30	15	12	19	19		63.0	S
34.106.10SM16	10	16x1,5	31	15	12	22	22		63.0	S
34.106.12SM18	12	18x1,5	33	17	12	24	24		63.0	S
34.106.14SM20	14	20x1,5	37	19	14	27	27		63.0	S
34.106.16SM22	16	22x1,5	37	18,5	14	27	30		40.0	S
34.106.20SM27	20	27x2	42	20,5	16	32	36		40.0	S
34.106.25SM33	25	33x2	47	23	18	41	46		40.0	S
34.106.30SM42	30	42x2	50	23,5	20	50	50		40.0	S
34.106.38SM48	38	48x2	57	26	22	55	60		31.5	S
34.106.08LM18	8	18x1,5	26,5	11,5	12	24	17		31.5	L
34.106.10LM16	10	16x1,5	27,5	12,5	12	22	19		31.5	L

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.106.16SM22S)

continued on next page

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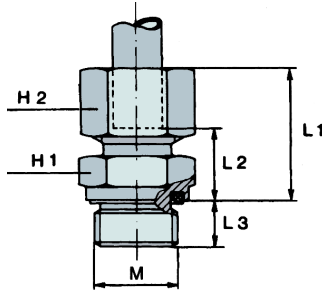
Balfit® Compression Ring Pipe Fittings



continued

Balfit® Metric Male Connector with seal – 34.106.

carbon steel parallel Metric thread male stud 24° compression ring pipe fitting with rubber seal



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
			mm	G	L1	L2	L3	H1		
34.106.10LM18	10	18x1,5	27,5	12,5	12	24	19		31.5	L
34.106.10LM22	10	22x1,5	29	14	14	27	19		31.5	L
34.106.12LM14	12	14x1,5	27	12,5	12	19	22		31.5	L
34.106.12LM18	12	18x1,5	27	12,5	12	24	22		31.5	L
34.106.12LM22	12	22x1,5	28,5	14	14	27	22		31.5	L
34.106.15LM16	15	16x1,5	28	13	12	24	27		31.5	L
34.106.15LM22	15	22x1,5	30	15	14	27	27		31.5	L
34.106.18LM18	18	18x1,5	30,5	14	12	27	32		31.5	L
34.106.22LM22	22	22x1,5	33	16,5	14	32	36		16.0	L
34.106.12SM22	12	22x1,5	33,5	17,5	14	27	24		63.0	S
34.106.16SM18	16	18x1,5	36,5	18	12	27	30		40.0	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.106.16SM22S)

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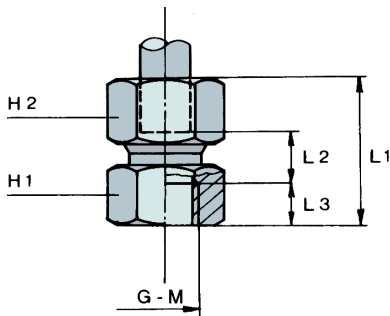
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] BSP Female Connector – 34.107.

carbon steel parallel BSP thread female 24° compression ring pipe fitting



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube mm	thread G	dimensions						working pressure MPa	ISO series
			L1	L2	L3	H1	H2			
34.107.06LR02	6	1/8	33,5	7	12	14	14	31.5	L	
34.107.08LR04	8	1/4	39	7	17	19	17	31.5	L	
34.107.10LR04	10	1/4	40	8	17	19	19	31.5	L	
34.107.12LR06	12	3/8	40,5	9	17	24	22	31.5	L	
34.107.15LR08	15	1/2	46	11	20	27	27	31.5	L	
34.107.18LR08	18	1/2	47	10,5	20	27	32	31.5	L	
34.107.22LR12	22	3/4	52	13,5	22	36	36	16.0	L	
34.107.28LR16	28	1	54	13	24,5	41	41	16.0	L	
34.107.35LR20	35	1-1/4	63	15	26,5	55	50	16.0	L	
34.107.42LR24	42	1-1/2	66	14,5	28,5	60	60	16.0	L	
34.107.06SR04	6	1/4	41	9	17	19	17	63.0	S	
34.107.08SR04	8	1/4	41	9	17	19	19	63.0	S	
34.107.10SR06	10	3/8	42,5	9,5	17	24	22	63.0	S	
34.107.12SR06	12	3/8	42,5	9,5	17	24	24	63.0	S	
34.107.14SR08	14	1/2	50	12	20	30	27	63.0	S	
34.107.16RS08	16	1/2	50	11,5	20	30	30	40.0	S	
34.107.20SR12	20	3/4	56	12,5	22	36	36	40.0	S	
34.107.25SR16	25	1	61	12,5	24,5	41	46	40.0	S	
34.107.30SR20	30	1-1/4	69	16	26,5	55	50	40.0	S	
34.107.38SR24	38	1-1/2	75	15,5	28,5	60	60	31.5	S	

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.107.16RS08)

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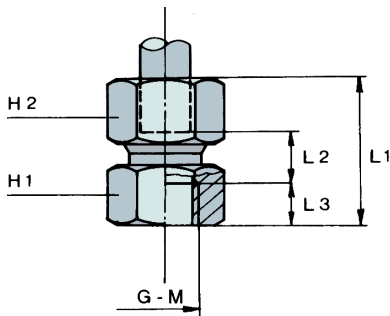
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Balfit® Compression Ring Pipe Fittings



Balfit® Metric Female Connector – 34.108.

carbon steel parallel Metric thread female 24° compression ring pipe fitting



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube mm	thread G	dimensions						working pressure MPa	ISO series
			L1	L2	L3	H1	H2			
34.108.06LM10	6	10x1	33,5	7	12	14	14	31.5	L	
34.108.08LM12	8	12x1,5	39	7	17	17	17	31.5	L	
34.108.10LM14	10	14x1,5	40	8	17	19	19	31.5	L	
34.108.12LM16	12	16x1,5	40,5	9	17	22	22	31.5	L	
34.108.15LM18	15	18x1,5	46	14	17	24	27	31.5	L	
34.108.18LM22	18	22x1,5	47	11,5	19	30	32	31.5	L	
34.108.22LM26	22	26x1,5	51	13,5	21	32	36	16.0	L	
34.108.28LM33	28	33x2	54	13,5	24	41	41	16.0	L	
34.108.35LM42	35	42x2	62	14,5	26	55	50	16.0	L	
34.108.42LM48	42	48x2	66	15	28	60	60	16.0	L	
34.108.06SM12	6	12x1,5	41	9	17	17	17	63.0	S	
34.108.08SM14	8	14x1,5	41	9	17	19	19	63.0	S	
34.108.10SM16	10	16x1,5	42,5	9,5	17	22	22	63.0	S	
34.108.12SM18	12	18x1,5	42,5	9,5	17	24	24	63.0	S	
34.108.14SM20	14	20x1,5	50	13	19	27	27	63.0	S	
34.108.16SM22	16	22x1,5	50	12,5	19	30	30	40.0	S	
34.108.20SM27	20	27x2	56	12,5	22	36	36	40.0	S	
34.108.06LM10	25	33x2	61	13	24	41	46	40.0	S	
34.108.08LM12	30	42x2	69	16,5	26	55	50	40.0	S	
34.108.10LM14	38	48x2	75	16	28	60	60	31.5	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.108.16SM22)

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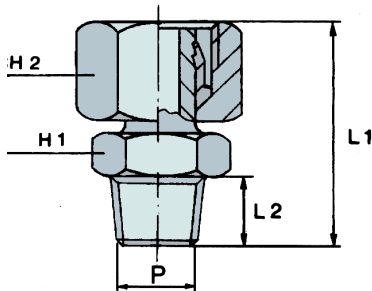
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Balfit® Compression Ring Pipe Fittings

Balfit® NPTF Male Swivel Adapter – 34.110.

carbon steel NPTF thread male stud 24° swivel adapter



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
	mm	G	L1	L2	H1	H2		MPa		
34.110.06LN02	6	1/8	33	10	12	14		31.5	L	
34.110.08LN04	8	1/4	42,5	15	14	17		31.5	L	
34.110.10LN04	10	1/4	40,5	15	14	19		31.5	L	
34.110.12LN06	12	3/8	46,5	15	19	22		31.5	L	
34.110.15LN08	15	1/2	48,5	19,5	22	27		31.5	L	
34.110.18LN08	18	1/2	48	19,5	22	32		31.5	L	
34.110.22LN12	22	3/4	49,5	20	27	36		16.0	L	
34.110.28LN16	28	1	57	25	36	41		16.0	L	
34.110.35LN20	35	1-1/4	65	25,5	46	50		16.0	L	
34.110.42LN24	42	1-1/2	69,5	26	50	60		16.0	L	
34.110.06SN04	6	1/4	40	15	14	17		63.0	S	
34.110.08SN04	8	1/4	42,5	15	14	19		63.0	S	
34.110.10SN06	10	3/8	44,5	15	19	22		63.0	S	
34.110.12SN06	12	3/8	46,5	15	19	24		63.0	S	
34.110.14SN08	14	1/2	53	19,5	22	27		63.0	S	
34.110.16SN08	16	1/2	53,5	19,5	22	30		40.0	S	
34.110.20SN12	20	3/4	60	20	27	36		40.0	S	
34.110.25SN16	25	1	70	25	36	46		40.0	S	
34.110.30SN20	30	1-1/4	73,5	25,5	46	50		40.0	S	
34.110.38SN24	38	1-1/2	83	26	50	60		31.5	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.110.16SN08)

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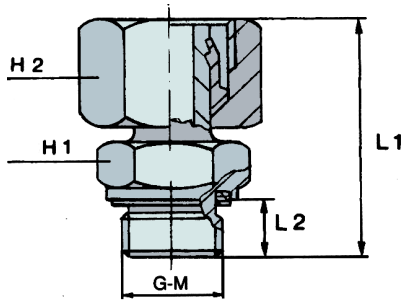
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Balfit® Compression Ring Pipe Fittings



Balfit® BSP Male Swivel Adapter – 34.111.

carbon steel parallel BSP thread male stud 24° swivel adapter



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube mm	thread G	dimensions				working pressure MPa	ISO series
			L1	L2	H1	H2		
34.111.06LR02	6	1/8	24,5	8	14	14	31.5	L
34.111.08LR04	8	1/4	29,5	12	19	17	31.5	L
34.111.10LR04	10	1/4	27,5	12	19	19	31.5	L
34.111.12LR06	12	3/8	34	12	22	22	31.5	L
34.111.15LR08	15	1/2	32	14	27	27	31.5	L
34.111.18LR08	18	1/2	31,5	14	27	32	31.5	L
34.111.22LR12	22	3/4	32,5	16	32	36	16.0	L
34.111.28LR16	28	1	35	18	41	41	16.0	L
34.111.35LR20	35	1-1/4	42,5	20	50	50	16.0	L
34.111.42LR24	42	1-1/2	46,5	22	55	60	16.0	L
34.111.06SR04	6	1/4	27	12	19	17	63.0	S
34.111.08SR04	8	1/4	29,5	12	19	19	63.0	S
34.111.10SR06	10	3/8	32	12	22	22	63.0	S
34.111.12SR06	12	3/8	34	12	22	24	63.0	S
34.111.14SR08	14	1/2	36,5	14	27	27	63.0	S
34.111.16SR08	16	1/2	37	14	27	30	40.0	S
34.111.20SR12	20	3/4	43	16	32	36	40.0	S
34.111.25SR16	25	1	48	18	41	46	40.0	S
34.111.30SR20	30	1-1/4	51	20	50	50	40.0	S
34.111.38SR24	38	1-1/2	60	22	55	60	31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.111.10SR06)

Construction characteristics and dimensions may be changed at any time without prior notice.

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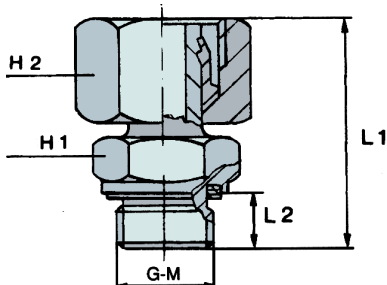
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] Metric Male Swivel Adapter – 34.112.

carbon steel parallel Metric thread male stud 24° swivel adapter



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
	mm	G	L1	L2	H1	H2		MPa		
34.112.06LM10	6	10x1	24,5	8	14	14		31.5	L	
34.112.08LM12	8	12x1,5	26,5	12	17	17		31.5	L	
34.112.10LM14	10	14x1,5	27,5	12	19	19		31.5	L	
34.112.12LM16	12	16x1,5	30,5	12	22	22		31.5	L	
34.112.15LM18	15	18x1,5	31,5	12	24	27		31.5	L	
34.112.18LM22	18	22x1,5	31,5	14	27	32		31.5	L	
34.112.22LM26	22	26x1,5	32,5	16	32	36		16.0	L	
34.112.28LM33	28	33x2	35	18	41	41		16.0	L	
34.112.35LM42	35	42x2	42,5	20	50	50		16.0	L	
34.112.42LM48	42	48x2	46,5	22	55	60		16.0	L	
34.112.06SM12	6	12x1,5	27	12	17	17		63.0	S	
34.112.08SM14	8	14x1,5	29,5	12	19	19		63.0	S	
34.112.10SM16	10	16x1,5	32	12	22	22		63.0	S	
34.112.12SM18	12	18x1,5	34	12	24	24		63.0	S	
34.112.14SM20	14	20x1,5	36,5	14	27	27		63.0	S	
34.112.16SM22	16	22x1,5	37	14	27	30		40.0	S	
34.112.20SM27	20	27x2	43	16	32	36		40.0	S	
34.112.25SM33	25	33x2	48	18	41	46		40.0	S	
34.112.30SM42	30	42x2	51	20	50	50		40.0	S	
34.112.38SM48	38	48x2	60	22	55	60		31.5	S	

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.112.06SM12)

Construction characteristics and dimensions may be changed at any time without prior notice.

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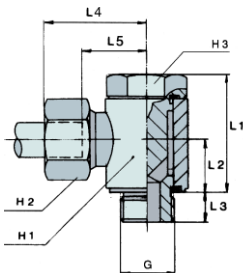
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Balfit® Compression Ring Pipe Fittings



Balfit® BSP Male Stud Banjo Coupling with allow screw – 34.113.

carbon steel parallel BSP thread male stud banjo with allow screw and rubber seal 24° standpipe adapter



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions								working pressure	ISO series
	mm	G	L1	L2	L3	L4	L5	H1	H2	H3	MPa	
34.113.06LR02	6	1/8	24	10,5	8	26,5	12	17	14	17	31.5	L
34.113.08LR04	8	1/4	32	14	12	29,5	14,5	22	17	19	31.5	L
34.113.10LR04	10	1/4	32	14	12	30,5	15,5	22	19	19	31.5	L
34.113.12LR06	12	3/8	38,5	16,5	12	32,5	18	27	22	24	31.5	L
34.113.15LR08	15	1/2	46,5	21,5	14	37	22	32	27	30	31.5	L
34.113.18LR08	18	1/2	46,5	21,5	14	38	21,5	32	32	30	31.5	L
34.113.22LR12	22	3/4	54	24	16	43	26,5	41	36	36	16.0	L
34.113.28LR16	28	1	66,5	30,5	18	47,5	31	50	41	46	16.0	L
34.113.35LR20	35	1-1/4	80	35,5	20	56,5	35	60	50	55	16.0	L
34.113.42LR24	42	1-1/2	90	40,5	22	62,5	39,5	70	60	60	16.0	L
34.113.06SR04	6	1/4	32	14	12	31,5	16,5	22	17	19	63.0	S
34.113.08SR04	8	1/4	32	14	12	31,5	16,5	22	19	19	63.0	S
34.113.10SR06	10	3/8	38,5	16,5	12	34,5	18,5	27	22	24	63.0	S
34.113.12SR06	12	3/8	38,5	16,5	12	34,5	18,5	27	24	24	63.0	S
34.113.14SR08	14	1/2	46,5	21,5	14	41	23	32	27	30	63.0	S
34.113.16SR08	16	1/2	46,5	21,5	14	41	22,5	32	30	30	40.0	S
34.113.20SR12	20	3/4	54	24	16	47	25,5	41	36	36	40.0	S
34.113.25SR16	25	1	66,5	30,5	18	55,5	31,5	50	46	46	40.0	S
34.113.30SR20	30	1-1/4	80	35,5	20	62,5	36	60	50	55	40.0	S
34.113.38SR24	38	1-1/2	90	40,5	22	71,5	40,5	70	60	60	31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.113.06SR04)

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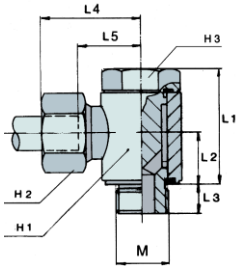
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Balfit® Compression Ring Pipe Fittings

Balfit® Metric Male Stud Banjo Coupling with allow screw – 34.114.

carbon steel parallel Metric thread male stud banjo with allow screw and rubber seal 24° standpipe adapter



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions								working pressure	ISO series
			mm	M	L1	L2	L3	L4	L5	H1		
34.114.06LM10	6	10x1	24	10,5	8	26,5	12	17	14	17	31.5	L
34.114.08LM12	8	12x1,5	32	14	12	29,5	14,5	22	17	19	31.5	L
34.114.10LM14	10	14x1,5	32	14	12	30,5	15,5	22	19	19	31.5	L
34.114.12LM16	12	16x1,5	38,5	16,5	12	32,5	18	27	22	24	31.5	L
34.114.15LM18	15	18x1,5	42	18,5	12	37	22	32	27	27	31.5	L
34.114.18LM22	18	22x1,5	46,5	21,5	14	38	21,5	32	32	30	31.5	L
34.114.22LM26	22	26x1,5	54	24	16	43	26,5	41	36	36	16.0	L
34.114.28LM33	28	33x2	66,5	30,5	18	47,5	31	50	41	46	16.0	L
34.114.35LM42	35	42x2	80	35,5	20	56,5	35	60	50	55	16.0	L
34.114.42LM48	42	48x2	90	40,5	22	62,5	39,5	70	60	60	16.0	L
34.114.06SM12	6	12x1,5	32	14	12	31,5	16,5	22	17	19	63.0	S
34.114.08SM14	8	14x1,5	32	14	12	31,5	16,5	22	19	19	63.0	S
34.114.10SM16	10	16x1,5	38,5	16,5	12	34,5	18,5	27	22	24	63.0	S
34.114.12SM18	12	18x1,5	42	18,5	12	37,5	21,5	27	24	24	63.0	S
34.114.14SM20	14	20x1,5	45	20	14	41	23	32	27	30	63.0	S
34.114.16SM22	16	22x1,5	46,5	21,5	14	41	22,5	32	30	30	40.0	S
34.114.20SM27	20	27x2	54	24	16	47	25,5	41	36	36	40.0	S
34.114.25SM33	25	33x2	66,5	30,5	18	55,5	31,5	50	46	46	40.0	S
34.114.30SM42	30	42x2	80	35,5	20	62,5	36	60	50	55	40.0	S
34.114.38SM48	38	48x2	90	40,5	22	71,5	40,5	70	60	60	31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.114.10SM16)

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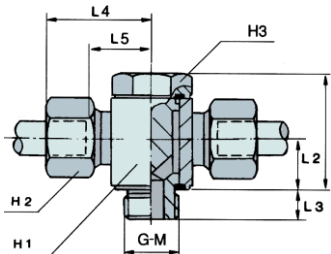
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Balfit® Compression Ring Pipe Fittings



Balfit® BSP Stud T-Banjo Coupling with allow screw – 34.115.

carbon steel parallel BSP thread male stud T-banjo with allow screw and rubber seal 24° standpipe adapter



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions								working pressure	ISO series
	mm	G	L1	L2	L3	L4	L5	H1	H2	H3	MPa	
34.115.06LR02	6	1/8	24	10,5	8	26,5	12	17	14	17	31.5	L
34.115.10LR04	8	1/4	32	14	12	29,5	14,5	22	17	19	31.5	L
34.115.12LR06	10	1/4	32	14	12	30,5	15,5	22	19	19	31.5	L
34.115.15LR08	12	3/8	38,5	16,5	12	32,5	18	27	22	24	31.5	L
34.115.18LR08	15	1/2	46,5	21,5	14	37	22	32	27	30	31.5	L
34.115.10SR06	18	1/2	46,5	21,5	14	38	21,5	32	32	30	31.5	L
34.115.14SR08	22	3/4	54	24	16	43	26,5	41	36	36	16.0	L
34.115.16SR08	28	1	66,5	30,5	18	47,5	31	50	41	46	16.0	L
34.115.20SR12	35	1-1/4	80	35,5	20	56,5	35	60	50	55	16.0	L
34.115.08LR04	42	1-1/2	90	40,5	22	62,5	39,5	70	60	60	16.0	L
34.115.22LR12	6	1/4	32	14	12	31,5	16,5	22	17	19	63.0	S
34.115.28LR16	8	1/4	32	12	12	31,5	16,5	22	19	19	63.0	S
34.115.35LR20	10	3/8	38,5	16,5	12	34,5	18,5	27	22	24	63.0	S
34.115.42LR24	12	3/8	38,5	16,5	12	34,5	18,5	27	24	24	63.0	S
34.115.06SR04	14	1/2	46,5	21,5	14	41	23	32	27	30	63.0	S
34.115.08SR04	16	1/2	46,5	21,5	14	41	22,5	32	30	30	40.0	S
34.115.12SR06	20	3/4	54	24	16	47	25,5	41	36	36	40.0	S
34.115.25SR16	25	1	66,5	30,5	18	55,5	31,5	50	46	46	40.0	S
34.115.30SR20	30	1-1/4	80	35,5	20	62,5	36	60	50	55	40.0	S
34.115.38SR24	38	1-1/2	90	40,5	22	71,5	40,5	70	60	60	31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.115.06SR04)

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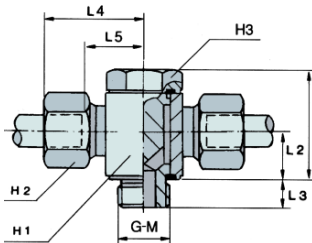
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] Metric Stud T-Banjo Coupling with allow screw – 34.116.

carbon steel parallel Metric thread male stud T-banjo with allow screw and rubber seal 24° standpipe adapter



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions								working pressure	ISO series
	mm	M	L1	L2	L3	L4	L5	H1	H2	H3	MPa	
34.116.06LM10	6	10x1	24	10,5	8	26,5	12	17	14	17	31.5	L
34.116.08LM12	8	12x1,5	32	14	12	29,5	14,5	22	17	19	31.5	L
34.116.10LM14	10	14x1,5	32	14	12	30,5	15,5	22	19	19	31.5	L
34.116.12LM16	12	16x1,5	38,5	16,5	12	32,5	18	27	22	24	31.5	L
34.116.15LM18	15	18x1,5	40	18,5	12	37	22	32	27	27	31.5	L
34.116.18LM22	18	22x1,5	46,5	21,5	14	38	21,5	32	32	30	31.5	L
34.116.22LM26	22	26x1,5	54	24	16	43	26,5	41	36	36	16.0	L
34.116.28LM33	28	33x2	66,5	30,5	18	47,5	31	50	41	46	16.0	L
34.116.35LM42	35	42x2	80	35,5	20	56,5	35	60	50	55	16.0	L
34.116.42LM48	42	48x2	90	40,5	22	62,5	39,5	70	60	60	16.0	L
34.116.06SM12	6	12x1,5	32	14	12	31,5	16,5	22	17	19	63.0	S
34.116.06SM14	8	14x1,5	32	14	12	31,5	16,5	22	19	19	63.0	S
34.116.10SM16	10	16x1,5	38,5	16,5	12	34,5	18,5	27	22	24	63.0	S
34.116.12SM18	12	18x1,5	40	18,5	12	37,5	21,5	32	24	27	63.0	S
34.116.14SM20	14	20x1,5	45	20	14	41	23	32	27	30	63.0	S
34.116.16SM22	16	22x1,5	46,5	21,5	14	41	22,5	32	30	30	40.0	S
34.116.20SM27	20	27x2	54	24	16	47	25,5	41	36	36	40.0	S
34.116.25SM33	25	33x2	66,5	30,5	18	55,5	31,5	50	46	46	40.0	S
34.116.30SM42	30	42x2	80	35,5	20	62,5	36	60	50	55	40.0	S
34.116.38SM48	38	48x2	90	40,5	22	71,5	40,5	70	60	60	31.5	S

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.116.06SM14)

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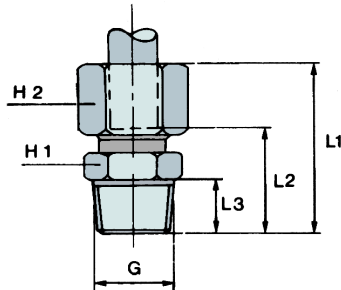
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Balfit® Compression Ring Pipe Fittings



Balfit® BSP Taper Male Connector – 34.117.

carbon steel taper BSP thread male stud 24° standpipe adapter



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
	mm	G	L1	L2	L3	H1	H2	MPa		
34.117.06LR02	6	1/8	30	15	8	12	14	31.5	L	
34.117.08LR04	8	1/4	35	20	12	17	17	31.5	L	
34.117.10LR04	10	1/4	36	21	12	17	19	31.5	L	
34.117.12LR06	12	3/8	36,5	22	12	19	22	31.5	L	
34.117.15LR08	15	1/2	40	25	14	24	27	31.5	L	
34.117.18LR08	18	1/2	42	25,5	14	27	32	31.5	L	
34.117.22LR12	22	3/4	46	29,5	16	32	36	16.0	L	
34.117.28LR16	28	1	49	32,5	18	41	41	16.0	L	
34.117.35LR20	35	1-1/4	56	34,5	20	46	50	16.0	L	
34.117.42LR24	42	1-1/2	61	38	22	55	60	16.0	L	
34.117.06SR04	6	1/4	38	23	12	17	17	63.0	S	
34.117.08SR04	8	1/4	40	25	12	17	19	63.0	S	
34.117.10SR06	10	3/8	40,5	24,5	12	19	22	63.0	S	
34.117.12SR06	12	3/8	42,5	26,5	12	22	24	63.0	S	
34.117.14SR08	14	1/2	48	30	14	24	27	63.0	S	
34.117.16SR08	16	1/2	48	29,5	14	27	30	40.0	S	
34.117.20SR12	20	3/4	55	33,5	16	32	36	40.0	S	
34.117.25SR16	25	1	62	38	18	41	46	40.0	S	
34.117.30SR20	30	1-1/4	67	40,5	20	46	50	40.0	S	
34.117.38SR24	38	1-1/2	76	45	22	55	60	31.5	S	
34.117.06LR04	6	1/4	34,5	20	12	14	14	31.5	L	
34.117.08LR02	8	1/8	31	16	8	17	17	31.5	L	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.117.22LR12)

continued on next page

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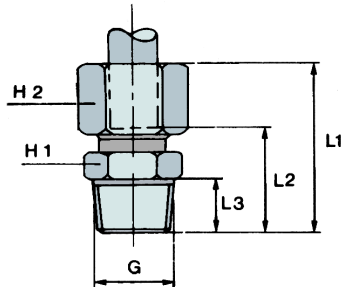


Balfit[®] Compression Ring Pipe Fittings

continued

Balfit[®] BSP Taper Male Connector – 34.117.

carbon steel taper BSP thread male stud 24° standpipe adapter



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
	mm	G	L1	L2	L3	H1	H2	MPa		
34.117.08LR06	8	3/8	37	21	12	19	17	31.5	L	
34.117.08LR08	8	1/2	39	23	14	22	17	31.5	L	
34.117.10LR02	10	1/8	32	17	8	17	19	31.5	L	
34.117.10LR06	10	3/8	37	22	12	19	19	31.5	L	
34.117.10LR08	10	1/2	39	24	14	22	19	31.5	L	
34.117.12LR04	12	1/4	36,5	22	12	19	22	31.5	L	
34.117.12LR08	12	1/2	38,5	24	14	22	22	31.5	L	
34.117.15LR06	15	3/8	38	23	12	24	27	31.5	L	
34.117.18LR12	18	3/4	44	27,5	16	32	32	31.5	L	
34.117.12SR08	12	1/2	44,5	28,5	14	24	24	63.0	S	
34.117.14SR06	14	3/8	46	28	12	24	27	63.0	S	
34.117.16SR06	16	3/8	46	27,5	12	27	30	40.0	S	
34.117.20SR08	20	1/2	53	31,5	14	32	36	40.0	S	
34.117.25SR12	25	3/4	60	36	16	41	46	40.0	S	
34.117.30SR16	30	1	65	38,5	18	46	50	40.0	S	

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.117.16SR06)

Construction characteristics and dimensions may be changed at any time without prior notice.

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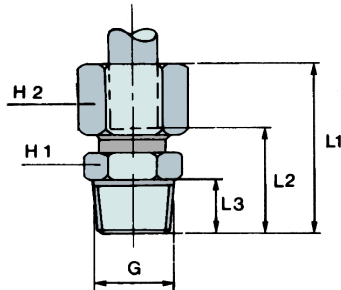
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Balfit® Compression Ring Pipe Fittings



Balfit® NPTF Taper Male Connector – 34.118.

carbon steel NPTF thread male stud 24° standpipe adapter



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
			mm	G	L1	L2	L3	H1		
34.118.06LN02	6	1/8	31,5	17	10	12	14	31,5	L	
34.118.08LN04	8	1/4	38	23	15	17	17	31,5	L	
34.118.10LN04	10	1/4	39	24	15	17	19	31,5	L	
34.118.12LN06	12	3/8	39,5	25	15	19	22	31,5	L	
34.118.15LN08	15	1/2	46	31	19,5	24	27	31,5	L	
34.118.18LN08	18	1/2	48	31,5	19,5	27	32	31,5	L	
34.118.22LN12	22	3/4	50	33,5	20	32	36	16,0	L	
34.118.28LN16	28	1	56	39,5	25	41	41	16,0	L	
34.118.35LN20	35	1-1/4	62	40,5	25,5	46	50	16,0	L	
34.118.42LN24	42	1-1/2	65	42	26	55	60	16,0	L	
34.118.06SN04	6	1/4	41	26	15	17	17	63,0	S	
34.118.08SN04	8	1/4	43	28	15	17	19	63,0	S	
34.118.10SN06	10	3/8	43,5	27,5	15	19	22	63,0	S	
34.118.12SN06	12	3/8	45,5	29,5	15	22	24	63,0	S	
34.118.14SN08	14	1/2	54	36	19,5	24	27	63,0	S	
34.118.16SN08	16	1/2	54	35,5	19,5	27	30	40,0	S	
34.118.20SN12	20	3/4	59	37,5	20	32	36	40,0	S	
34.118.25SN16	25	1	69	45	25	41	46	40,0	S	
34.118.30SN20	30	1-1/4	73	46,5	25,5	46	50	40,0	S	
34.118.38SN24	38	1-1/2	80	49	26	55	60	31,5	S	
34.118.06LN04	6	1/4	37,5	23	15	14	14	31,5	L	
34.118.08LN02	8	1/8	33	18	10	17	17	31,5	L	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.118.12SN06)

continued on next page

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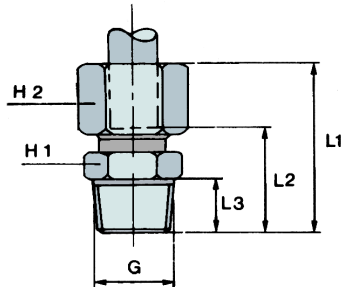


Balfit[®] Compression Ring Pipe Fittings

continued

Balfit[®] NPTF Taper Male Connector – 34.118.

carbon steel NPTF thread male stud 24° standpipe adapter



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
	mm	G	L1	L2	L3	H1	H2	MPa		
34.118.08LN06	8	3/8	39	24	15	19	17	31.5	L	
34.118.08LN08	8	1/2	44	29	19,5	22	17	31.5	L	
34.118.10LN02	10	1/8	34	19	10	17	19	31.5	L	
34.118.10LN06	10	3/8	40	25	15	19	19	31.5	L	
34.118.10LN08	10	1/2	45	30	19,5	22	19	31.5	L	
34.118.12LN04	12	1/4	39,5	25	15	19	22	31.5	L	
34.118.12LN08	12	1/2	44,5	30	19,5	22	22	31.5	L	
34.118.15LN06	15	3/8	41	26	15	24	27	31.5	L	
34.118.18LN12	18	3/4	48	31,5	20	32	32	31.5	L	
34.118.12SN08	12	1/2	50,5	34,5	19,5	24	24	63.0	S	
34.118.14SN06	14	3/8	49	31	15	24	27	63.0	S	
34.118.16SN06	16	3/8	49	30,5	15	27	30	40.0	S	
34.118.20SN08	20	1/2	59	37,5	19,5	32	36	40.0	S	
34.118.25SN12	25	3/4	64	40	20	41	46	40.0	S	
34.118.30SN16	30	1	72	45,5	25	46	50	40.0	S	

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.118.12SN08)

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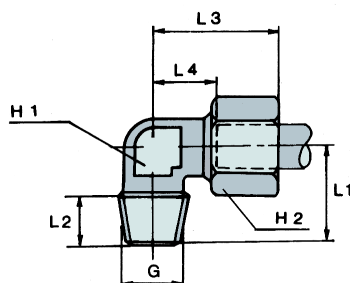
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Balfit® Compression Ring Pipe Fittings



Balfit® BSP Taper Elbow Male Connector – 34.120.

carbon steel taper BSP thread male stud 24° standpipe adapter 90° elbow



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
			mm	G	L1	L2	L3	L4	H1		
34.120.06LR02	6	1/8	20	8	27	12	12	14		31.5	L
34.120.08LR04	8	1/4	26	12	29	14	12	17		31.5	L
34.120.10LR04	10	1/4	27	12	30	15	14	19		31.5	L
34.120.12LR06	12	3/8	28	12	32	17	17	22		31.5	L
34.120.15LR08	15	1/2	34	14	36	21	19	27		31.5	L
34.120.18LR08	18	1/2	36	14	40	23,5	24	32		31.5	L
34.120.22LR12	22	3/4	42	16	44	27,5	27	36		16.0	L
34.120.28LR16	28	1	48	18	47	30,5	36	41		16.0	L
34.120.35LR20	35	1-1/4	54	20	56	34,5	41	50		16.0	L
34.120.42LR24	42	1-1/2	61	22	63	40	50	60		16.0	L
34.120.06SR04	6	1/4	26	12	31	16	12	17		63.0	S
34.120.08SR04	8	1/4	27	12	32	17	14	19		63.0	S
34.120.10SR06	10	3/8	28	12	34	17,5	17	22		63.0	S
34.120.12SR06	12	3/8	28	12	38	21,5	17	24		63.0	S
34.120.14SR08	14	1/2	32	14	40	22	19	27		63.0	S
34.120.16SR08	16	1/2	32	14	43	24,5	24	30		40.0	S
34.120.20SR12	20	3/4	42	16	48	26,5	27	36		40.0	S
34.120.25SR16	25	1	48	18	54	30	36	46		40.0	S
34.120.30SR20	30	1-1/4	54	20	62	35,5	41	50		40.0	S
34.120.38SR24	38	1-1/2	61	22	72	41	50	60		31.5	S
34.120.06LR04	6	1 1/4	26	12	29	14	12	14		31.5	L
34.120.08LR02	8	1/8	22	8	29	14	12	17		31.5	L

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.120.12SR06)

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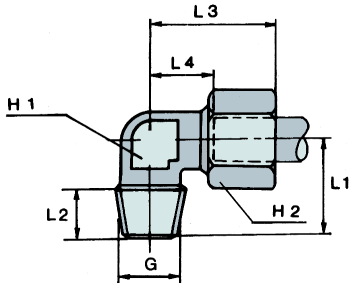


Balfit[®] Compression Ring Pipe Fittings

continued

Balfit[®] BSP Taper Elbow Male Connector – 34.120.

carbon steel taper BSP thread male stud 24° standpipe adapter 90° elbow



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
	mm	G	L1	L2	L3	L4	H1	H2	MPa	
34.120.08LR06	8	3/8	28	12	31	16	17	17	31.5	L
34.120.08LR08	8	1/2	34	14	34	19	19	17	31.5	L
34.120.10LR02	10	1/8	22	8	30	15	14	19	31.5	L
34.120.10LR06	10	3/8	28	12	32	17	17	19	31.5	L
34.120.10LR08	10	1/2	34	14	35	20	19	19	31.5	L
34.120.12LR04	12	1/4	28	12	32	17	17	22	31.5	L
34.120.12LR08	12	1/2	34	14	34	20	19	22	31.5	L
34.120.15LR06	15	3/8	30	12	36	21	19	27	31.5	L
34.120.18LR12	18	3/4	42	16	43	26,5	27	32	31.5	L
34.120.12SR08	12	1/2	32	14	37	20,5	19	24	63.0	S
34.120.14SR06	14	3/8	30	12	40	22	19	27	63.0	S
34.120.16SR06	16	3/8	37	12	43	24,5	24	30	40.0	S
34.120.20SR08	20	1/2	36	14	48	26,5	27	36	40.0	S
34.120.25SR12	25	3/4	42	16	54	30	36	46	40.0	S
34.120.30SR16	30	1	48	18	62	35,5	41	50	40.0	S

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.120.12SR08)

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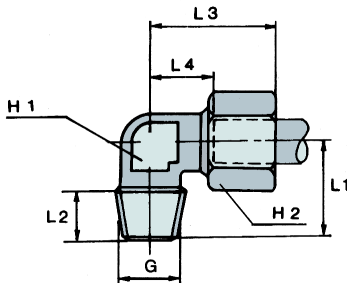
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Balfit® Compression Ring Pipe Fittings



Balfit® NPTF Taper Elbow Male Connector – 34.121.

carbon steel NPTF thread male stud 24° standpipe adapter 90° elbow



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
	mm	G	L1	L2	L3	L4	H1	H2	MPa		
34.121.06LN02	6	1/8	20	10	27	12	12	14	31.5	L	
34.121.08LN04	8	1/4	26	15	29	14	12	17	31.5	L	
34.121.10LN04	10	1/4	27	15	30	15	14	19	31.5	L	
34.121.12LN06	12	3/8	28	15	32	17	17	22	31.5	L	
34.121.15LN08	15	1/2	34	19,5	36	21	19	27	31.5	L	
34.121.18LN08	18	1/2	36	19,5	40	23,5	24	32	31.5	L	
34.121.22LN12	22	3/4	42	20	44	27,5	27	36	16.0	L	
34.121.28LN16	28	1	48	25	47	30,5	36	41	16.0	L	
34.121.35LN20	35	1-1/4	54	25,5	56	34,5	41	50	16.0	L	
34.121.42LN24	42	1-1/2	61	26	63	40	50	60	16.0	L	
34.121.06SN04	6	1/4	26	15	31	16	12	17	63.0	S	
34.121.08SN04	8	1/4	27	15	32	17	14	19	63.0	S	
34.121.10SN06	10	3/8	28	15	34	17,5	17	22	63.0	S	
34.121.12SN06	12	3/8	28	15	38	21,5	17	24	63.0	S	
34.121.14SN08	14	1/2	34	19,5	40	22	19	27	63.0	S	
34.121.16SN08	16	1/2	36	19,5	43	24,5	24	30	40.0	S	
34.121.20SN12	20	3/4	42	20	48	26,5	27	36	40.0	S	
34.121.25SN16	25	1	48	25	54	30	36	46	40.0	S	
34.121.30SN20	30	1-1/4	54	25,5	62	35,5	41	50	40.0	S	
34.121.38SN24	38	1-1/2	61	26	72	41	50	60	31.5	S	
34.121.06LN04	6	1/4	26	15	29	14	12	14	31.5	L	
34.121.08LN02	8	1/8	24	10	29	14	12	17	31.5	L	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.121.12LN06)

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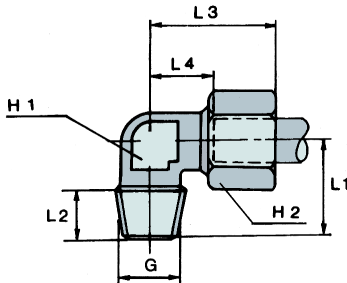


Balfit[®] Compression Ring Pipe Fittings

continued

Balfit[®] NPTF Taper Elbow Male Connector – 34.121.

carbon steel NPTF thread male stud 24° standpipe adapter 90° elbow



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
			mm	G	L1	L2	L3	L4		
34.121.08LN06	8	3/8	28	15	31	16	17	17	31.5	L
34.121.08LN08	8	1/2	34	19,5	34	19	19	17	31.5	L
34.121.10LN02	10	1/8	24	10	30	15	14	19	31.5	L
34.121.10LN06	10	3/8	28	15	32	17	17	19	31.5	L
34.121.10LN08	10	1/2	34	19,5	35	20	19	19	31.5	L
34.121.12LN04	12	1/4	28	15	32	17	17	22	31.5	L
34.121.12LN08	12	1/2	34	19,5	35	20	19	22	31.5	L
34.121.15LN06	15	3/8	33	15	36	21	19	27	31.5	L
34.121.18LN12	18	3/4	42	20	43	26,5	27	32	31.5	L
34.121.12SN08	12	1/2	34	19,5	37	20,5	19	24	63.0	S
34.121.14SN06	14	3/8	33	15	40	22	19	27	63.0	S
34.121.16SN06	16	3/8	37	15	43	24,5	24	30	40.0	S
34.121.20SN08	20	1/2	42	19,5	48	26,5	27	36	40.0	S
34.121.25SN12	25	3/4	46	20	54	30	36	46	40.0	S
34.121.30SN16	30	1	55	25	62	35,5	41	50	40.0	S

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.121.12LN04)

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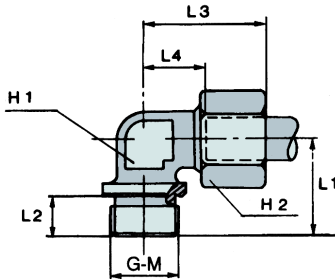
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Balfit® Compression Ring Pipe Fittings



Balfit® BSP Elbow Male Connector – 34.123.

carbon steel parallel BSP thread male stud 24° standpipe adapter 90° elbow



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
	mm	G	L1	L2	L3	L4	H1	H2	MPa		
34.123.22LR12	22	3/4	43,5	15	44	27,5	27	36	16.0	L	
34.123.28LR16	28	1	49	17	47	30,5	36	41	16.0	L	
34.123.35LR20	35	1-1/4	57	19	56	34,5	41	50	16.0	L	
34.123.42LR24	42	1-1/2	64	20	63	40	50	60	16.0	L	
34.123.20SR12	20	3/4	43,5	15	48	26,5	27	36	40.0	S	
34.123.25SR16	25	1	49	17	54	30	36	46	40.0	S	
34.123.30SR20	30	1-1/4	57	19	62	35,5	41	50	40.0	S	
34.123.38SR24	38	1-1/2	64	20	72	41	50	60	31.5	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.123.20SR12)

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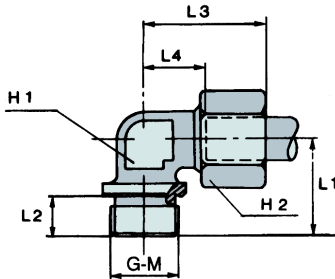
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] Metric Taper Elbow Male Connector – 34.124.

carbon steel parallel Metric thread male stud 24° standpipe adapter 90° elbow



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
	mm	M	L1	L2	L3	L4	H1	H2	MPa	
34.124.22LM26	22	26x1,5	43,5	15	44	27,5	27	36	16.0	L
34.124.28LM33	28	33x2	49	17	47	30,5	36	41	16.0	L
34.124.35LM42	35	42x2	57	19	56	34,5	41	50	16.0	L
34.124.42LM48	42	48x2	64	20	63	40	50	60	16.0	L
34.124.20LM27	20	27x2	43,5	15	48	26,5	27	36	40.0	L
34.124.25LM33	25	33x2	49	17	54	30	36	46	40.0	L
34.124.30SM42	30	42x2	57	19	62	35,5	41	50	40.0	S
34.124.38SM48	38	48x2	64	20	72	41	50	60	31.5	S

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.124.25LM33)

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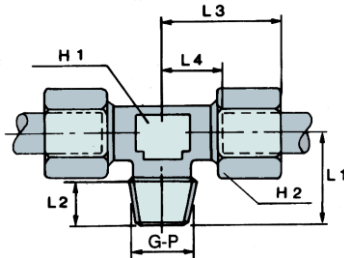
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Balfit® Compression Ring Pipe Fittings



Balfit® BSP Taper Male Branch Tee – 34.125.

carbon steel taper BSP thread male stud 24° standpipe adapter branch tee



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
	mm	G	L1	L2	L3	L4	H1	H2	MPa		
34.125.06LR02	6	1/8	20	8	27	12	12	14	31.5	L	
34.125.08LR04	8	1/4	26	12	29	14	12	17	31.5	L	
34.125.10LR04	10	1/4	27	12	30	15	14	19	31.5	L	
34.125.12LR06	12	3/8	28	12	32	17	17	22	31.5	L	
34.125.15LR08	15	1/2	34	14	36	21	19	27	31.5	L	
34.125.18LR08	18	1/2	36	14	40	23,5	24	32	31.5	L	
34.125.22LR12	22	3/4	42	16	44	27,5	27	36	16.0	L	
34.125.28LR16	28	1	48	18	47	30,5	36	41	16.0	L	
34.125.35LR20	35	1-1/4	54	20	56	34,5	41	50	16.0	L	
34.125.42LR24	42	1-1/2	61	22	63	40	50	60	16.0	L	
34.125.06SR04	6	1/4	26	12	31	16	12	17	63.0	S	
34.125.08SR04	8	1/4	27	12	32	17	14	19	63.0	S	
34.125.10SR06	10	3/8	28	12	34	17,5	17	22	63.0	S	
34.125.12SR06	12	3/8	28	12	38	21,5	17	24	63.0	S	
34.125.14SR08	14	1/2	32	14	40	22	19	27	63.0	S	
34.125.16SR08	16	1/2	32	14	43	24,5	24	30	40.0	S	
34.125.20SR12	20	3/4	42	16	48	26,5	27	36	40.0	S	
34.125.25LR16	25	1	48	18	54	30	36	46	40.0	S	
34.125.30SR20	30	1-1/4	54	20	62	35,5	41	50	40.0	S	
34.125.38SR24	38	1-1/2	61	22	72	41	50	60	31.5	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.125.22LR12)

Construction characteristics and dimensions may be changed at any time without prior notice.

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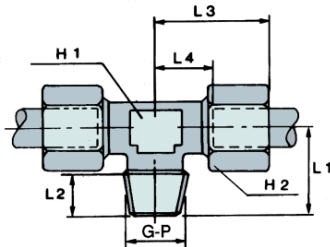
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Balfit® Compression Ring Pipe Fittings

Balfit® NPTF Male Branch Tee – 34.126.

carbon steel NPTF thread male stud 24° standpipe adapter branch tee



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
	mm	G	L1	L2	L3	L4	H1	H2	MPa		
34.126.06LN02	6	1/8	20	10	27	12	12	14	31.5	L	
34.126.08LN04	8	1/4	26	15	29	14	12	17	31.5	L	
34.126.10LN04	10	1/4	27	15	30	15	14	19	31.5	L	
34.126.12LN06	12	3/8	28	15	32	17	17	22	31.5	L	
34.126.15LN08	15	1/2	34	19,5	36	21	19	27	31.5	L	
34.126.18LN08	18	1/2	36	19,5	40	23,5	24	32	31.5	L	
34.126.22LN12	22	3/4	42	20	44	27,5	27	36	16.0	L	
34.126.28LN16	28	1	48	25	47	30,5	36	41	16.0	L	
34.126.35LN20	35	1-1/4	54	25,5	56	34,5	41	50	16.0	L	
34.126.42LN24	42	1-1/2	61	26	63	40	50	60	16.0	L	
34.126.06SN04	6	1/4	26	15	31	16	12	17	63.0	S	
34.126.08SN04	8	1/4	27	15	32	17	14	19	63.0	S	
34.126.10SN06	10	3/8	28	15	34	17,5	17	22	63.0	S	
34.126.12SN06	12	3/8	28	15	38	21,5	17	24	63.0	S	
34.126.14SN08	14	1/2	34	19,5	40	22	19	27	63.0	S	
34.126.16SN08	16	1/2	36	19,5	43	24,5	24	30	40.0	S	
34.126.20SN12	20	3/4	42	20	48	26,5	27	36	40.0	S	
34.126.25SN16	25	1	48	25	54	30	36	46	40.0	S	
34.126.30SN20	30	1-1/4	54	25,5	62	35,5	41	50	40.0	S	
34.126.38SN24	38	1-1/2	61	26	72	41	50	60	31.5	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.126.22LN12)

Construction characteristics and dimensions may be changed at any time without prior notice.

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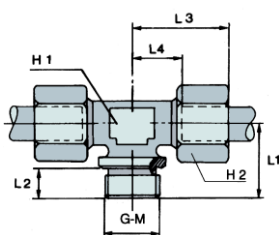


Balfit® BSP Male Branch Tee – 34.128.

carbon steel parallel BSP thread male stud 24° standpipe adapter branch tee

Balfit® Metric Taper Male Branch Tee – 34.129.

carbon steel parallel Metric thread male stud 24° standpipe adapter branch tee



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
	mm	G	L1	L2	L3	L4	H1	H2	MPa		
34.128.22LR12	22	3/4	43,5	15	44	27,5	27	36	16.0	L	
34.128.28LR16	28	1	49	17	47	30,5	36	41	16.0	L	
34.128.35LR20	35	1-1/4	57	19	56	34,5	41	50	16.0	L	
34.128.42LR24	42	1-1/2	64	20	63	40	50	60	16.0	L	
34.128.20SR12	20	3/4	43,5	15	48	26,5	27	36	40.0	S	
34.128.25SR16	25	1	49	17	54	30	36	46	40.0	S	
34.128.30SR20	30	1-1/4	57	19	62	35,5	41	50	40.0	S	
34.128.38SR24	38	1-1/2	64	20	72	41	50	60	31.5	S	
34.129.22LM26	22	26x 1,5	43,5	15	44	27,5	27	36	16.0	L	
34.129.28LM33	28	33x2	49	17	47	30,5	36	41	16.0	L	
34.129.35LM42	35	42x2	57	19	56	34,5	41	50	16.0	L	
34.129.42LM48	42	48x2	64	20	63	40	50	60	16.0	L	
34.129.20SM27	20	27x2	43,5	15	48	26,5	27	36	40.0	S	
34.129.25SM33	25	33x2	49	17	54	30	36	46	40.0	S	
34.129.30SM42	30	42x2	57	19	62	35,5	41	50	40.0	S	
34.129.38SM48	38	48x2	64	20	72	41	50	60	31.5	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.128.20SR12)

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.129.20SM27)

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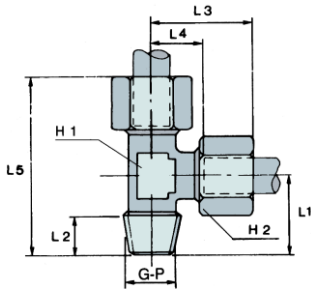
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] BSP Taper Male Run Tee – 34.130.

carbon steel taper BSP thread male stud 24° standpipe adapter run tee



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
			mm	G	L1	L2	L3	L4	L5		
34.130.06LR02	6	1/8	20	8	27	12	47	12	14	31.5	L
34.130.08LR04	8	1/4	26	12	29	14	55	12	17	31.5	L
34.130.10LR04	10	1/4	27	12	30	15	57	14	19	31.5	L
34.130.12LR06	12	3/8	28	12	32	17	60	17	22	31.5	L
34.130.15LR08	15	1/2	34	14	36	21	70	19	27	31.5	L
34.130.18LR08	18	1/2	36	14	40	23,5	76	24	32	31.5	L
34.130.22LR12	22	3/4	42	16	44	27,5	86	27	36	16.0	L
34.130.28LR16	28	1	48	18	47	30,5	95	36	41	16.0	L
34.130.35LR20	35	1-1/4	54	20	56	34,5	110	41	50	16.0	L
34.130.42LR24	42	1-1/2	61	22	63	40	124	50	60	16.0	L
34.130.06SR04	6	1/4	26	12	31	16	57	12	17	63.0	S
34.130.08SR04	8	1/4	27	12	32	17	59	14	19	63.0	S
34.130.10SR06	10	3/8	28	12	34	17,5	62	17	22	63.0	S
34.130.12SR06	12	3/8	28	12	38	21,5	66	17	24	63.0	S
34.130.14SR08	14	1/2	32	14	40	22	72	19	27	63.0	S
34.130.16SR08	16	1/2	32	14	43	24,5	75	24	30	40.0	S
34.130.20SR12	20	3/4	42	16	48	26,5	90	27	36	40.0	S
34.130.25SR16	25	1	48	18	54	30	102	36	46	40.0	S
34.130.30SR20	30	1-1/4	54	20	62	35,5	116	41	50	40.0	S
34.130.38SR24	38	1-1/2	61	22	72	41	133	50	60	31.5	S

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.130.12SR06)

Construction characteristics and dimensions may be changed at any time without prior notice.

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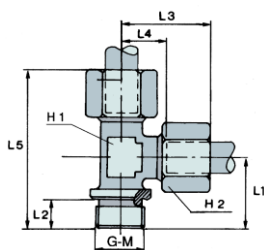


Balfit® BSP Male Run Tee – 34.133.

carbon steel parallel BSP thread male stud 24° adapter run tee

Balfit® Metric Taper Male Run Tee – 34.134.

carbon steel parallel Metric thread male stud 24° adapter run tee



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
			mm	G / M	L1	L2	L3	L4	L5		
34.133.22LR12	22	3/4	43,5	15	44	27,5	87,5	27	36	16.0	L
34.133.28LR16	28	1	49	17	47	30,5	96	36	41	16.0	L
34.133.35LR20	35	1-1/4	57	19	56	34,5	113	41	50	16.0	L
34.133.42LR24	42	1-1/2	64	20	63	40	127	50	60	16.0	L
34.133.20SR12	20	3/4	43,5	15	48	26,5	91,5	27	36	40.0	S
34.133.25SR16	25	1	49	17	54	30	103	36	46	40.0	S
34.133.30SR20	30	1-1/4	57	19	62	35,5	119	41	50	40.0	S
34.133.38SR24	38	1-1/2	64	20	72	41	136	50	60	31.5	S
34.134.22LM26	22	26x1,5	43,5	15	44	27,5	87,5	27	36	16.0	L
34.134.28LM33	28	33x2	49	17	47	30,5	96	36	41	16.0	L
34.134.35LM42	35	42x2	57	19	56	34,5	113	41	50	16.0	L
34.134.42LM48	42	48x2	64	20	63	40	127	50	60	16.0	L
34.134.20SM27	20	27x2	43,5	15	48	26,5	91,5	27	36	40.0	S
34.134.25SM33	25	33x2	49	17	54	30	103	36	46	40.0	S
34.134.30SM42	30	42x2	57	19	62	35,5	119	41	50	40.0	S
34.134.38SM48	38	48x2	64	20	72	41	136	50	60	31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.133.28LR16)

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.134.42LM48)

Construction characteristics and dimensions may be changed at any time without prior notice.

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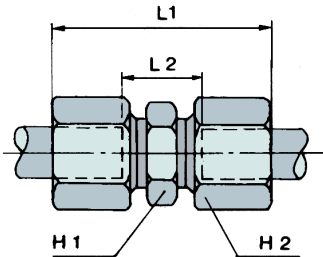
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Balfit® Compression Ring Pipe Fittings

Balfit® Straight Union – 34.135.

carbon steel straight 24° compression ring connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
	mm	G	L1	L2	H1	H2		MPa		
34.135.06L	6		39	10	10	12		31.5	L	
34.135.08L	8		40	11	11	14		31.5	L	
34.135.10L	10		42	13	13	17		31.5	L	
34.135.12L	12		43	14	14	19		31.5	L	
34.135.15L	15		46	16	16	24		31.5	L	
34.135.18L	18		48	16	16	27		31.5	L	
34.135.22L	22		52	20	20	32		16.0	L	
34.135.28L	28		54	21	21	41		16.0	L	
34.135.35L	35		63	20	20	46		16.0	L	
34.135.42L	42		66	21	21	55		16.0	L	
34.135.06S	6		45	16	16	14		63.0	S	
34.135.08S	8		47	18	18	17		63.0	S	
34.135.10S	10		49	17	17	19		63.0	S	
34.135.12S	12		51	19	19	22		63.0	S	
34.135.14S	14		57	22	22	24		63.0	S	
34.135.16S	16		57	21	21	27		40.0	S	
34.135.20S	20		66	23	23	32		40.0	S	
34.135.25S	25		74	26	26	41		40.0	S	
34.135.30S	30		80	27	27	46		40.0	S	
34.135.38S	38		90	29	29	55		31.5	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.135.12S)

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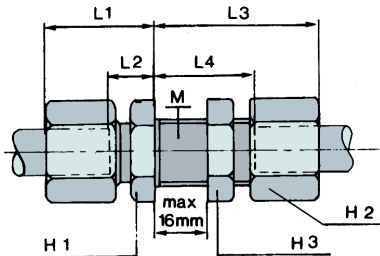
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Balfit® Compression Ring Pipe Fittings



Balfit® Straight Bulkhead Union – 34.136.

carbon steel Metric thread straight 24° compression ring bulkhead connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube mm	thread M	dimensions							working pressure MPa	ISO series
			L1	L2	L3	L4	H1	H2	H3		
34.136.06LM12	6	12x1,5	22	7	42	27	17	14	17	31.5	L
34.136.08LM14	8	14x1,5	23	8	42	27	19	17	19	31.5	L
34.136.10LM16	10	16x1,5	25	10	43	28	22	19	22	31.5	L
34.136.12LM18	12	18x1,5	25	10	44	29	24	22	24	31.5	L
34.136.15LM22	15	22x1,5	27	12	46	31	27	27	30	31.5	L
34.136.18LM26	18	26x1,5	30	13,5	49	32,5	32	32	36	31.5	L
34.136.22LM30	22	30x2	33	16,5	51	34,5	36	36	41	16.0	L
34.136.28LM36	28	36x2	35	18,5	52	35,5	41	41	46	16.0	L
34.136.35LM45	35	45x2	40	18,5	58	36,5	50	50	55	16.0	L
34.136.42LM52	42	52x2	42	19	59	36	60	60	65	16.0	L
34.136.06SM14	6	14x1,5	27	12	44	29	19	17	19	63.0	S
34.136.08SM16	8	16x1,5	28	13	44	29	22	19	22	63.0	S
34.136.10SM18	10	18x1,5	31	14,5	46	29,5	24	22	24	63.0	S
34.136.12SM20	12	20x1,5	31	14,5	47	30,5	27	24	27	63.0	S
34.136.14SM22	14	22x1,5	35	17	50	32	30	27	30	63.0	S
34.136.16SM24	16	24x1,5	35	16,5	50	31,5	32	30	32	40.0	S
34.136.20SM30	20	30x2	39	17,5	55	33,5	41	36	41	40.0	S
34.136.25SM36	25	36x2	44	20	59	35	46	46	46	40.0	S
34.136.30SM42	30	42x2	48	21,5	64	37,5	50	50	50	40.0	S
34.136.38SM52	38	52x2	53	22	68	37	65	60	65	31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.136.25SM36)

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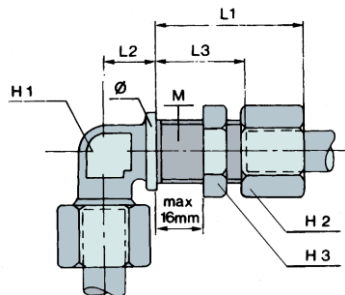
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Balfit® Compression Ring Pipe Fittings

Balfit® Elbow Bulkhead Union – 34.137.

carbon steel Metric thread 90° elbow 24° compression ring bulkhead connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
	mm	M	L1	L2	L3	L4	H1	H2	H3	MPa	
34.137.06L	6	12x1,5	42	14	27	17	12	14	17	31.5	L
34.137.08L	8	14x1,5	42	17	27	19	12	17	19	31.5	L
34.137.10L	10	16x1,5	43	18	28	22	14	19	22	31.5	L
34.137.12L	12	18x1,5	44	20	29	24	17	22	24	31.5	L
34.137.15L	15	22x1,5	46	23	31	27	19	27	30	31.5	L
34.137.18L	18	26x1,5	49	24	32,5	32	24	32	36	31.5	L
34.137.22L	22	30x2	51	30	34,5	36	27	36	41	16.0	L
34.137.28L	28	36x2	52	34	35,5	42	36	41	46	16.0	L
34.137.35L	35	45x2	58	39	36,5	50	41	50	55	16.0	L
34.137.42L	42	52x2	59	43	36	60	50	60	65	16.0	L
34.137.06S	6	14x1,5	44	17	29	19	12	17	19	63.0	S
34.137.08S	8	16x1,5	44	18	29	22	14	19	22	63.0	S
34.137.10S	10	18x1,5	46	20	29,5	24	17	22	24	63.0	S
34.137.12S	12	20x1,5	47	21	30,5	27	17	24	27	63.0	S
34.137.14S	14	22x1,5	50	23	32	27	19	27	30	63.0	S
34.137.16S	16	24x1,5	50	24	31,5	30	24	30	32	40.0	S
34.137.20S	20	30x2	55	30	33,5	36	27	36	41	40.0	S
34.137.25S	25	36x2	59	34	35	42	36	46	46	40.0	S
34.137.30S	30	42x2	64	39	37,5	50	41	50	50	40.0	S
34.137.38S	38	52x2	68	43	37	60	50	60	65	31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.137.12S)

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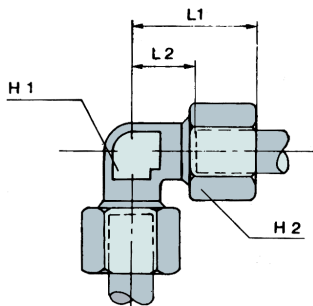
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Balfit® Compression Ring Pipe Fittings



Balfit® Elbow Standpipe Union – 34.138.

carbon steel 90° elbow 24° compression ring standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube mm	thread	dimensions						working pressure MPa	ISO series
			L1	L2	H1	H2				
34.138.06L	6		27	12	12	14			31.5	L
34.138.08L	8		29	14	12	17			31.5	L
34.138.10L	10		30	15	14	19			31.5	L
34.138.12L	12		32	17	17	22			31.5	L
34.138.15L	15		36	21	19	27			31.5	L
34.138.18L	18		40	23,5	24	32			31.5	L
34.138.22L	22		44	27,5	27	36			16.0	L
34.138.28L	28		47	30,5	36	41			16.0	L
34.138.35L	35		56	34,5	41	50			16.0	L
34.138.42L	42		63	40	50	60			16.0	L
34.138.06S	6		31	16	12	17			63.0	S
34.138.08S	8		32	17	14	19			63.0	S
34.138.10S	10		34	17,5	17	22			63.0	S
34.138.12S	12		38	21,5	17	24			63.0	S
34.138.14S	14		40	22	19	27			63.0	S
34.138.16S	16		43	24,5	24	30			40.0	S
34.138.20S	20		48	26,5	27	36			40.0	S
34.138.25S	25		54	30	36	46			40.0	S
34.138.30S	30		62	35,5	41	50			40.0	S
34.138.38S	38		72	41	50	60			31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.138.12S)

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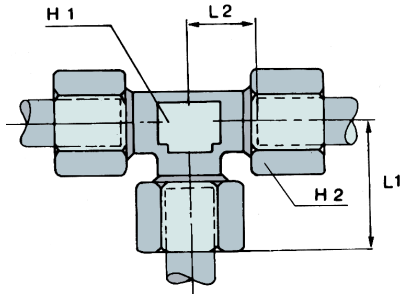
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Balfit® Compression Ring Pipe Fittings

Balfit® Tee Standpipe Union – 34.139.

carbon steel equal tee 24° compression ring standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
	mm		L1	L2	H1	H2	MPa			
34.139.06L	6		27	12	12	14		31.5	L	
34.139.08L	8		29	14	12	17		31.5	L	
34.139.10L	10		30	15	14	19		31.5	L	
34.139.12L	12		32	17	17	22		31.5	L	
34.139.15L	15		36	21	19	27		31.5	L	
34.139.18L	18		40	23,5	24	32		31.5	L	
34.139.22L	22		44	27,5	27	36		16.0	L	
34.139.28L	28		47	30,5	36	41		16.0	L	
34.139.35L	35		56	34,5	41	50		16.0	L	
34.139.42L	42		63	40	50	60		16.0	L	
34.139.06S	6		31	16	12	17		63.0	S	
34.139.08S	8		32	17	14	19		63.0	S	
34.139.10S	10		34	17,5	17	22		63.0	S	
34.139.12S	12		38	21,5	17	24		63.0	S	
34.139.14S	14		40	22	19	27		63.0	S	
34.139.16S	16		43	24,5	24	30		40.0	S	
34.139.20S	20		48	26,5	27	36		40.0	S	
34.139.25S	25		54	30	36	46		40.0	S	
34.139.30S	30		62	35,5	41	50		40.0	S	
34.139.38S	38		72	41	50	60		31.5	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.139.12S)

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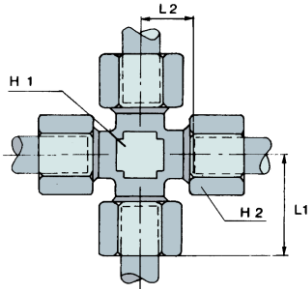
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Balfit® Compression Ring Pipe Fittings



Balfit® Cross Standpipe Union – 34.140.

carbon steel cross 24° compression ring standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
	mm		L1	L2	H1	H2	MPa			
34.140.06L	6		27	12		12	14		31.5	L
34.140.08L	8		29	14		12	17		31.5	L
34.140.10L	10		30	15		14	19		31.5	L
34.140.12L	12		32	17		17	22		31.5	L
34.140.15L	15		36	21		19	27		31.5	L
34.140.18L	18		40	23,5		24	32		31.5	L
34.140.22L	22		44	27,5		27	36		16.0	L
34.140.28L	28		47	30,5		36	41		16.0	L
34.140.35L	35		56	34,5		41	50		16.0	L
34.140.42L	42		63	40		50	60		16.0	L
34.140.06S	6		31	16		12	17		63.0	S
34.140.08S	8		32	17		14	19		63.0	S
34.140.10S	10		34	17,5		17	22		63.0	S
34.140.12S	12		38	21,5		17	24		63.0	S
34.140.14S	14		40	22		19	27		63.0	S
34.140.16S	16		43	24,5		24	30		40.0	S
34.140.20S	20		48	26,5		27	36		40.0	S
34.140.25S	25		54	30		36	46		40.0	S
34.140.30S	30		62	35,5		41	50		40.0	S
34.140.38S	38		72	41		50	60		31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.140.12S)

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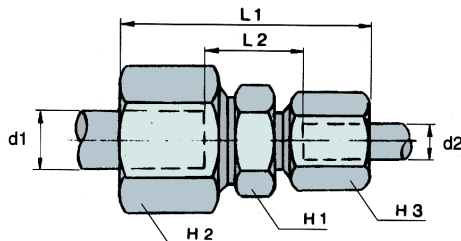
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Balfit® Compression Ring Pipe Fittings

Balfit® Straight Reducing Connector – 34.141.

carbon steel Metric thread straight reducing 24° compression ring standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		dimensions						working pressure MPa	ISO series
	d1	d2	L1	L2	H1	H2	H3			
34.141.0806L	8	6	40,5	11	14	17	14	31.5	L	
34.141.1006L	10	6	41,5	12	17	19	14	31.5	L	
34.141.1008L	10	8	42	12	17	19	17	31.5	L	
34.141.1206L	12	6	42	13	19	22	14	31.5	L	
34.141.1208L	12	8	42,5	13	19	22	17	31.5	L	
34.141.1210L	12	10	43,5	14	19	22	19	31.5	L	
34.141.1510L	15	10	45	15	24	27	19	31.5	L	
34.141.1512L	15	12	44,5	15	24	27	22	31.5	L	
34.141.1810L	18	10	47	15,5	27	32	19	31.5	L	
34.141.1812L	18	12	46,5	15,5	27	32	22	31.5	L	
34.141.1815L	18	15	48	16,5	27	32	27	16.0	L	
34.141.1812L	22	12	48,5	17,5	32	36	22	31.5	L	
34.141.2215L	22	15	50	18,5	32	36	27	16.0	L	
34.141.2218L	22	18	51	18	32	36	32	16.0	L	
34.141.2818L	28	18	52	19	41	41	32	16.0	L	
34.141.2822L	28	22	54	21	41	41	36	16.0	L	
34.141.3522L	35	22	59	21	46	50	36	16.0	L	
34.141.3528L	35	28	59	21	46	50	41	16.0	L	
34.141.0806S	8	6	48	18	17	19	17	63.0	S	
34.141.1006S	10	6	48,5	17,5	19	22	17	63.0	S	
34.141.1008S	10	8	48,5	17,5	19	22	19	63.0	S	
34.141.1206S	12	6	50,5	19,5	22	24	17	63.0	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.141.1206L)

continued on next page

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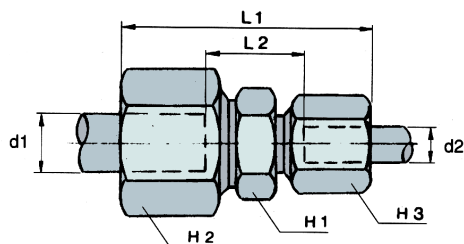
Balfit® Compression Ring Pipe Fittings



continued

Balfit® Straight Reducing Connector – 34.141.

carbon steel Metric thread straight reducing 24° compression ring standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		dimensions						working pressure MPa	ISO series
	d1	d2	L1	L2	H1	H2	H3			
34.141.1208S	12	8	50,5	19,5	22	24	19	63.0	S	
34.141.1210S	12	10	51	19	22	24	22	63.0	S	
34.141.1410S	14	10	54,5	20,5	24	27	22	63.0	S	
34.141.1412S	14	12	54,5	20,5	24	27	24	63.0	S	
34.141.1612S	16	12	54,5	20	27	30	24	40.0	S	
34.141.1614S	16	14	58	21,5	27	30	27	40.0	S	
34.141.2010S	20	10	59,5	22	32	36	22	40.0	S	
34.141.2012S	20	12	59,5	22	32	36	24	40.0	S	
34.141.2016S	20	16	63	23	32	36	30	40.0	S	
34.141.2516S	25	16	68	25,5	41	46	30	40.0	S	
34.141.2520S	25	20	71	25,5	41	46	36	40.0	S	
34.141.3020S	30	20	74	26	46	50	36	40.0	S	
34.141.3025S	30	25	77	26,5	46	50	46	40.0	S	
34.141.3830S	38	30	87	29,5	55	60	50	31.5	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.141.1208S)

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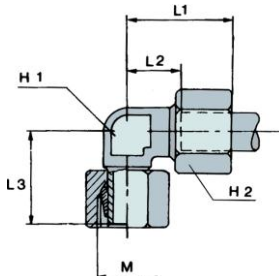
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Balfit® Compression Ring Pipe Fittings

Balfit® Swivel Elbow Adapter – 34.142.

carbon steel 90° elbow 24° compression ring swivel adapter



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
			mm	M	L1	L2	L3	H1		
34.142.06LM12	6	12x1,5	27	12	26	12	14		31.5	L
34.142.08LM14	8	14x1,5	29	14	27	12	17		31.5	L
34.142.10LM16	10	16x1,5	30	15	28,5	14	19		31.5	L
34.142.12LM18	12	18x1,5	32	17	29	17	22		31.5	L
34.142.15LM22	15	22x1,5	36	21	32	19	27		31.5	L
34.142.18LM26	18	26x1,5	40	23,5	35	24	32		31.5	L
34.142.22LM30	22	30x2	44	27,5	38	27	36		16.0	L
34.142.28LM36	28	36x2	47	30,5	41,5	36	41		16.0	L
34.142.35LM45	35	45x2	56	34,5	51	41	50		16.0	L
34.142.42LM52	42	52x2	63	40	56	50	60		16.0	L
34.142.06SM14	6	14x1,5	31	16	27	12	17		40.0	S
34.142.08SM16	8	16x1,5	32	17	27	14	19		40.0	S
34.142.10SM18	10	18x1,5	34	17,5	29,5	17	22		40.0	S
34.142.12SM20	12	20x1,5	38	21,5	30,5	17	24		40.0	S
34.142.14SM22	14	22x1,5	40	22	34,5	19	27		40.0	S
34.142.16SM24	16	24x1,5	43	24,5	36	24	30		63.0	S
34.142.20SM30	20	30x2	48	26,5	44	27	36		63.0	S
34.142.25SM36	25	36x2	54	30	49,5	36	46		63.0	S
34.142.30SM42	30	42x2	62	35,5	55	41	50		63.0	S
34.142.38SM52	38	52x2	72	41	63	50	60		31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.142.14SM24)

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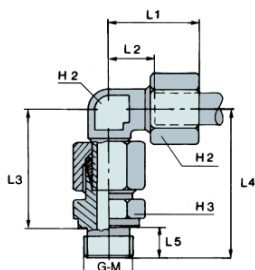
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Balfit® Compression Ring Pipe Fittings



Balfit® Swivel Elbow Adapter with BSP Male Stud – 34.143.

carbon steel parallel BSP thread 90° elbow 24° compression ring standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions								working pressure	ISO series
	mm	G	L1	L2	L3	L4	L5	H1	H2	H3	MPa	
34.143.06LR02	6	1/8	27	12	34,5	42,5	8	12	14	14	31.5	L
34.143.08LR04	8	1/4	29	14	37	49	12	12	17	19	31.5	L
34.143.10LR04	10	1/4	30	15	39,5	51,5	12	14	19	19	31.5	L
34.143.12LR06	12	3/8	32	17	41,5	53,5	12	17	22	22	31.5	L
34.143.15LR08	15	1/2	36	21	46	60	14	19	27	27	31.5	L
34.143.18LR08	18	1/2	40	23,5	49,5	63,5	14	24	32	27	31.5	L
34.143.22LR12	22	3/4	44	27,5	54,5	70,5	16	27	36	32	16.0	L
34.143.28LR16	28	1	47	30,5	59	77	18	36	41	41	16.0	L
34.143.35LR20	35	1-1/4	56	34,5	68,5	88,5	20	41	50	50	16.0	L
34.143.42LR24	42	1-1/2	63	40	75	97	22	50	60	55	16.0	L
34.143.06SR04	6	1/4	31	16	40	52	12	12	17	19	63.0	S
34.143.08SR04	8	1/4	32	17	42	54	12	14	19	19	63.0	S
34.143.10SR06	10	3/8	34	17,5	44,5	56,5	12	17	22	22	63.0	S
34.143.12SR06	12	3/8	38	21,5	47,5	59,5	12	17	24	22	63.0	S
34.143.14SR08	14	1/2	40	22	53,5	67,5	14	19	27	27	63.0	S
34.143.16SR08	16	1/2	43	24,5	54,5	68,5	14	24	30	27	40.0	S
34.143.20SR12	20	3/4	48	26,5	64,5	80,5	16	27	36	32	40.0	S
34.143.25SR16	25	1	54	30	72,5	90,5	18	36	46	41	40.0	S
34.143.30SR20	30	1-1/4	62	35,5	78,5	98,5	20	41	50	50	40.0	S
34.143.38SR24	38	1-1/2	72	41	89	111	22	50	60	55	31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.143.15LR08)

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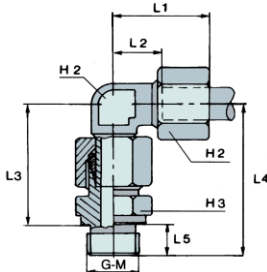
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] Swivel Elbow Adapter with Metric Male Stud – 34.144.

carbon steel parallel Metric thread 90° elbow 24° compression ring standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions								working pressure	ISO series
			mm	G	L1	L2	L3	L4	L5	H1		
34.144.06LM10	6	10x1	27	12	34,5	42,5	8	12	14	14	31.5	L
34.144.08LM12	8	12x1,5	29	14	37	49	12	12	17	17	31.5	L
34.144.10LM14	10	14x1,5	30	15	39,5	51,5	12	14	19	19	31.5	L
34.144.12LM16	12	16x1,5	32	17	41,5	53,5	12	17	22	22	31.5	L
34.144.15LM18	15	18x1,5	36	21	45,5	57,5	12	19	27	24	31.5	L
34.144.18LM22	18	22x1,5	40	23,5	49,5	63,5	14	24	32	27	31.5	L
34.144.22LM26	22	26x1,5	44	27,5	54,5	70,5	16	27	36	32	16.0	L
34.144.28LM33	28	33x2	47	30,5	59	77	18	36	41	41	16.0	L
34.144.35LM42	35	42x2	56	34,5	68,5	88,5	20	41	50	50	16.0	L
34.144.42LM48	42	48x2	63	40	75	97	22	50	60	55	16.0	L
34.144.06SM12	6	12x1,5	31	16	40	52	12	12	17	17	63.0	S
34.144.08SM14	8	14x1,5	32	17	42	54	12	14	19	19	63.0	S
34.144.10SM16	10	16x1,5	34	17,5	44,5	56,5	12	17	22	22	63.0	S
34.144.12SM18	12	18x1,5	38	21,5	47,5	59,5	12	17	24	24	63.0	S
34.144.14SM20	14	20x1,5	40	22	53,5	67,5	14	19	27	27	63.0	S
34.144.16SM22	16	22x1,5	43	24,5	54,5	68,5	14	24	30	27	40.0	S
34.144.20SM27	20	27x2	48	26,5	64,5	80,5	16	27	36	32	40.0	S
34.144.25SM33	25	33x2	54	30	72,5	90,5	18	36	46	41	40.0	S
34.144.30SM42	30	42x2	62	35,5	78,5	98,5	20	41	50	50	40.0	S
34.144.38SM48	38	48x2	72	41	89	111	22	50	60	55	31.5	S

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.144.15LM18)

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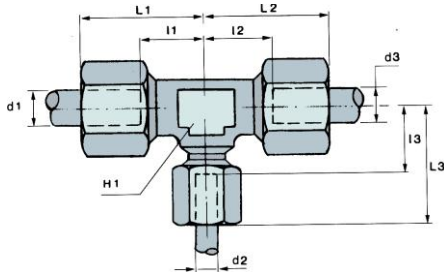
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Balfit® Compression Ring Pipe Fittings



Balfit® Reducing Branch Tee – 34.145.

carbon steel reducing branch tee 24° compression ring standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube			dimensions							working pressure	ISO series
	d1	d2	d3	L1	L2	L3	I1	I2	I3	H1	MPa	
34.145.0806L	6	8	6	22	29	22	12	11,5	12	12	31,5	L
34.145.0608L	8	6	8	29	29	29	14	11	9,5	12	31,5	L
34.145.1006L	6	10	6	30	30	29	15	11	15	14	31,5	L
34.145.1008L	8	10	8	30	30	30	15	15	15	14	31,5	L
34.145.0610L	10	6	10	29	30	29	14	15	14	14	31,5	L
34.145.0810L	10	8	10	29	30	29	14	15	14	14	31,5	L
34.145.1208L	8	12	8	32	29	32	17	14	17	17	31,5	L
34.145.0612L	12	6	12	32	32	29	17	17	14	17	31,5	L
34.145.0812L	12	8	12	32	31	32	17	16	17	17	31,5	L
34.145.1012L	12	10	12	32	31	32	17	16	17	17	31,5	L
34.145.1510L	10	15	10	36	36	36	21	21	21	19	31,5	L
34.145.0512L	12	15	12	36	36	36	21	21	21	19	31,5	L
34.145.0615L	15	6	15	35	36	35	20	21	20	19	31,5	L
34.145.1015L	15	10	15	35	36	35	20	21	20	19	31,5	L
34.145.1215L	15	12	15	36	35	36	21	20	21	19	31,5	L
34.145.1812L	12	18	12	39	35	40	24	20	23,5	24	31,5	L
34.145.1018L	18	10	18	38	40	38	23	23,5	23	24	31,5	L
34.145.1218L	18	12	18	40	38	38	23,5	23	23	24	31,5	L
34.145.1518L	18	15	18	40	38	40	23,5	23	23,5	24	31,5	L
34.145.1022L	22	10	22	44	39	40	27,5	24	23,5	27	16,0	L
34.145.1222L	22	12	22	44	40	38	27,5	23,5	3	27	16,0	L
34.145.1522L	22	15	22	44	41	44	27,5	26	27,5	27	16,0	L

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.145.0812L)

continued on next page

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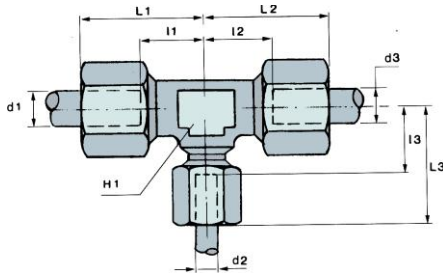


Balfit® Compression Ring Pipe Fittings

continued

Balfit® Reducing Branch Tee – 34.145.

carbon steel reducing branch tee 24° compression ring standpipe connector



According to ISO 8434-1 According to DIN 2353

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube			dimensions							working pressure MPa	ISO series
	d1	d2	d3	L1	L2	L3	I1	I2	I3	H1		
34.145.1822L	22	18	22	44	42	44	27,5	27	27,5	27	16.0	L
34.145.1028L	28	10	28	47	43	46	30,5	26,5	31	36	16.0	L
34.145.1228L	28	12	28	47	47	43	30,5	30,5	26,5	36	16.0	L
34.145.1528L	28	15	28	47	44	47	30,5	29	30,5	36	16.0	L
34.145.1828L	28	18	28	47	44	47	30,5	29	30,5	36	16.0	L
34.145.2228L	28	22	28	47	46	47	30,5	29,5	30,5	36	16.0	L
34.145.0610S	10	6	10	34	33	34	17,5	18	17,5	17	31.5	S
34.145.0812S	12	8	12	38	33	38	21,5	18	21,5	19	31.5	S
34.145.1012S	12	10	12	38	34	38	21,5	17,5	21,5	19	31.5	S
34.145.1612S	12	16	12	40	43	40	23,5	24,5	23,5	24	40.0	S
34.145.0616S	16	6	16	43	39	43	24,5	24	24,5	24	40.0	S
34.145.0816S	16	8	16	43	39	43	24,5	24	24,5	24	40.0	S
34.145.1016S	16	10	16	43	40	43	24,5	23,5	24,5	24	40.0	S
34.145.1216S	16	12	16	43	40	43	24,5	23,5	24,5	24	40.0	S
34.145.2016S	16	20	16	46	48	46	27,5	26,5	27,5	27	40.0	S
34.145.1020S	20	10	20	48	43	48	26,5	26,5	26,5	27	40.0	S
34.145.1220S	20	12	20	48	43	48	26,5	26,5	26,5	27	40.0	S
34.145.1620S	20	16	20	48	46	48	26,5	27	26,5	27	40.0	S
34.145.2520S	20	25	20	51	54	51	29,5	30	29,5	36	40.0	S
34.145.1625S	25	16	25	54	49	54	30	30,5	30	36	40.0	S
34.145.2025S	25	20	25	54	51	54	30	29,5	30	36	40.0	S
34.145.3025S	25	30	25	59	62	59	35	35,5	35	41	40.0	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.145.1822L)

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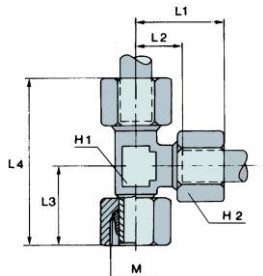
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Balfit® Compression Ring Pipe Fittings



Balfit® Swivel Run Tee Standpipe Connector – 34.146.

carbon steel swivel run tee 24° compression ring standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
	mm	M	L1	L2	L3	L4	H1	H2	MPa		
34.146.06LM12	6	12x1,5	27	12	26	53	12	14	31.5	L	
34.146.08LM14	8	14x1,5	29	14	27	56	12	17	31.5	L	
34.146.10LM16	10	16x1,5	30	15	28,5	58,5	14	19	31.5	L	
34.146.12LM18	12	18x1,5	32	17	29	61	17	22	31.5	L	
34.146.15LM22	15	22x1,5	36	21	32	68	19	27	31.5	L	
34.146.18LM26	18	26x1,5	40	23,5	35	75	24	32	31.5	L	
34.146.22LM30	22	30x2	44	27,5	38	82	27	36	16.0	L	
34.146.28LM36	28	36x2	47	30,5	41,5	88,5	36	41	16.0	L	
34.146.35LM45	35	45x2	56	34,5	51	107	41	50	16.0	L	
34.146.42LM52	42	52x2	63	40	56	119	50	60	16.0	L	
34.146.06SM14	6	14x1,5	31	16	27	58	12	17	63.0	S	
34.146.08SM16	8	16x1,5	32	17	27	59	14	19	63.0	S	
34.146.10SM18	10	18x1,5	34	17,5	29,5	63,5	17	22	63.0	S	
34.146.12SM20	12	20x1,5	38	21,5	30,5	68,5	17	24	63.0	S	
34.146.14SM22	14	22x1,5	40	22	34,5	74,5	19	27	63.0	S	
34.146.16SM24	16	24x1,5	43	24,5	36	79	24	30	40.0	S	
34.146.20SM30	20	30x2	48	26,5	44	92	27	36	40.0	S	
34.146.25SM36	25	36x2	54	30	49,5	103,5	36	46	40.0	S	
34.146.30SM42	30	42x2	62	35,5	55	117	41	50	40.0	S	
34.146.38SM52	38	52x2	72	41	63	135	50	60	31.5	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.146.15LM22)

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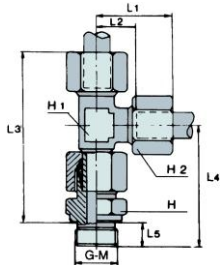
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Balfit® Compression Ring Pipe Fittings

Balfit® Run Tee with BSP Male Stud – 34.147.

carbon steel parallel BSP thread 24° compression ring run tee standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions								working pressure	ISO series
	mm	M	L1	L2	L3	L4	L5	H1	H2	H3	MPa	
34.147.06LR02	6	1/8	27	12	61,5	42,5	8	12	14	14	31.5	L
34.147.08LR04	8	1/4	29	14	66	49	12	12	17	19	31.5	L
34.147.10LR04	10	1/4	30	15	69,5	51,5	12	14	19	19	31.5	L
34.147.12LR06	12	3/8	32	17	73,5	53,5	12	17	22	22	31.5	L
34.147.15LR08	15	1/2	36	21	82	60	14	19	27	27	31.5	L
34.147.18LR08	18	1/2	40	23,5	89,5	63,5	14	24	32	27	31.5	L
34.147.22LR12	22	3/4	44	27,5	98,5	70,5	16	27	36	32	16.0	L
34.147.28LR16	28	1	47	30,5	106	77	18	36	41	41	16.0	L
34.147.35LR20	35	1 1/4	56	34,5	124,5	88,5	20	41	50	50	16.0	L
34.147.42LR24	42	1 1/2	63	40	138	97	22	50	60	55	16.0	L
34.147.06SR04	6	1/4	31	16	71	52	12	12	17	19	63.0	S
34.147.08SR04	8	1/4	32	17	74	54	12	14	19	19	63.0	S
34.147.10SR06	10	3/8	34	17,5	78,5	56,5	12	17	22	22	63.0	S
34.147.12SR06	12	3/8	38	21,5	85,5	59,5	12	17	24	22	63.0	S
34.147.14SR08	14	1/2	40	22	93,5	67,5	14	19	27	27	63.0	S
34.147.16SR08	16	1/2	43	24,5	97,5	68,5	14	24	30	27	40.0	S
34.147.20SR12	20	3/4	48	26,5	112,5	80,5	16	27	36	32	40.0	S
34.147.25SR16	25	1	54	30	126,5	90,5	18	36	46	41	40.0	S
34.147.30SR20	30	1 1/4	62	35,5	140,5	98,5	20	41	50	50	40.0	S
34.147.38SR24	38	1 1/2	72	41	161	111	22	50	60	55	31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.147.15LR08)

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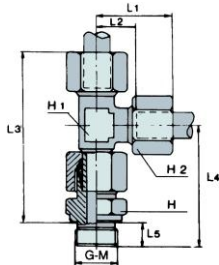
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Balfit® Compression Ring Pipe Fittings



Balfit® Run Tee with Metric Male Stud – 34.148.

carbon steel parallel Metric thread 24° compression ring run tee standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions								working pressure	ISO series
			mm	M	L1	L2	L3	L4	L5	H1		
34.148.06LM10	6	10x1	27	12	61,5	42,5	8	12	14	14	31.5	L
34.148.08LM12	8	12x1,5	29	14	66	49	12	12	17	17	31.5	L
34.148.10LM14	10	14x1,5	30	15	69,5	51,5	12	14	19	19	31.5	L
34.148.12LM16	12	16x1,5	32	17	73,5	53,5	12	17	22	22	31.5	L
34.148.15LM18	15	18x1,5	36	21	81	57,5	12	19	27	24	31.5	L
34.148.18LM22	18	22x1,5	40	23,5	89,5	63,5	14	24	32	27	31.5	L
34.148.22LM26	22	26x1,5	44	27,5	98,5	70,5	16	27	36	32	16.0	L
34.148.28LM33	28	33x2	47	30,5	106	77	18	36	41	41	16.0	L
34.148.35LM42	35	42x2	56	34,5	124,5	88,5	20	41	50	50	16.0	L
34.148.42LM48	42	48x2	63	40	138	97	22	50	60	55	16.0	L
34.148.06SM12	6	12x1,5	31	16	71	52	12	12	17	17	63.0	S
34.148.08SM14	8	14x1,5	32	17	74	54	12	14	19	19	63.0	S
34.148.10SM16	10	16x1,5	34	17,5	78,5	56,5	12	17	22	22	63.0	S
34.148.12SM18	12	18x1,5	38	21,5	85,5	59,5	12	17	24	24	63.0	S
34.148.14SM20	14	20x1,5	40	22	93,5	67,5	14	19	27	27	63.0	S
34.148.16SM22	16	22x1,5	43	24,5	97,5	68,5	14	24	30	27	40.0	S
34.148.20SM27	20	27x2	48	26,5	112,5	80,5	16	27	36	32	40.0	S
34.148.25SM33	25	33x2	54	30	126,5	90,5	18	36	46	41	40.0	S
34.148.30SM42	30	42x2	62	35,5	140,5	98,5	20	41	50	50	40.0	S
34.148.38SM48	38	48x2	72	41	161	111	22	50	60	55	31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.148.18LM22)

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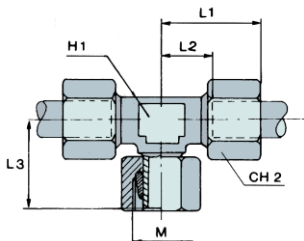
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] Swivel Branch Tee Standpipe Connector – 34.150.

carbon steel swivel branch tee 24° compression ring standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions								working pressure	ISO series
	mm	M	L1	L2	L3	H1	H2			MPa		
34.150.06LM12	6	12x1,5	27	12	26	12	14			31.5	L	
34.150.08LM14	8	14x1,5	29	14	27	12	17			31.5	L	
34.150.10LM16	10	16x1,5	30	15	28,5	14	19			31.5	L	
34.150.12LM18	12	18x1,5	32	17	29	17	22			31.5	L	
34.150.15LM22	15	22x1,5	36	21	32	19	27			31.5	L	
34.150.18LM26	18	26x1,5	40	23,5	35	24	32			31.5	L	
34.150.22LM30	22	30x2	44	27,5	38	27	36			16.0	L	
34.150.28LM36	28	36x2	47	30,5	41,5	36	41			16.0	L	
34.150.35LM45	35	45x2	56	34,5	51	41	50			16.0	L	
34.150.42LM52	42	52x2	63	40	56	50	60			16.0	L	
34.150.06SM14	6	14x1,5	31	16	27	12	17			63.0	S	
34.150.08SM16	8	16x1,5	32	17	27	14	19			63.0	S	
34.150.10SM18	10	18x1,5	34	17,5	29,5	17	22			63.0	S	
34.150.12SM20	12	20x1,5	38	21,5	30,5	17	24			63.0	S	
34.150.14SM22	14	22x1,5	40	22	34,5	19	27			63.0	S	
34.150.16SM24	16	24x1,5	43	24,5	36	24	30			40.0	S	
34.150.20SM30	20	30x2	48	26,5	44	27	36			40.0	S	
34.150.25SM36	25	36x2	54	30	49,5	36	46			40.0	S	
34.150.30SM42	30	42x2	62	35,5	55	41	50			40.0	S	
34.150.38SM52	38	52x2	72	41	63	50	60			31.5	S	

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.150.20SM30)

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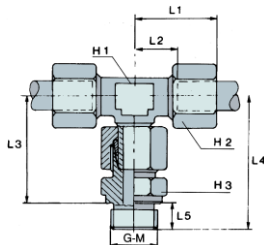
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Balfit® Compression Ring Pipe Fittings



Balfit® Branch Tee with BSP Male Stud – 34.151.

carbon steel parallel BSP thread 24° compression ring branch tee standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions								working pressure	ISO series
			mm	G	L1	L2	L3	L4	L5	H1		
34.151.06LR02	6	1/8	27	12	34,5	42,5	8	12	14	14	31.5	L
34.151.08LR04	8	1/4	29	14	37	49	12	12	17	19	31.5	L
34.151.10LR04	10	1/4	30	15	39,5	51,5	12	14	19	19	31.5	L
34.151.12LR06	12	3/8	32	17	41,5	53,5	12	17	22	22	31.5	L
34.151.15LR08	15	1/2	36	21	46	60	14	19	27	27	31.5	L
34.151.18LR08	18	1/2	40	23,5	49,5	63,5	14	24	32	27	31.5	L
34.151.22LR12	22	3/4	44	27,5	54,5	70,5	16	27	36	32	16.0	L
34.151.28LR16	28	1	47	30,5	59	77	18	36	41	41	16.0	L
34.151.35LR20	35	1-1/4	56	34,5	68,5	88,5	20	41	50	50	16.0	L
34.151.42LR24	42	1-1/2	63	40	75	97	22	50	60	55	16.0	L
34.151.06SR04	6	1/4	31	16	40	52	12	12	17	19	63.0	S
34.151.08SR04	8	1/4	32	17	42	54	12	14	19	19	63.0	S
34.151.10SR06	10	3/8	34	17,5	44,5	56,5	12	17	22	22	63.0	S
34.151.12SR06	12	3/8	38	21,5	47,5	59,5	12	19	24	22	63.0	S
34.151.14SR08	14	1/2	40	22	53,5	67,5	14	19	27	27	63.0	S
34.151.16SR08	16	1/2	43	24,5	54,5	68,5	14	24	30	27	40.0	S
34.151.20SR12	20	3/4	48	26,5	64,5	80,5	16	27	36	32	40.0	S
34.151.25SR16	25	1	54	30	72,5	90,5	18	36	46	41	40.0	S
34.151.30SR20	30	1-1/4	62	35,5	78,5	98,5	20	41	50	50	40.0	S
34.151.38SR24	38	1-1/2	72	41	89	111	22	50	60	55	31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.150.22LR12)

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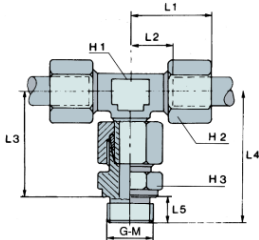
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] Branch Tee with METRIC Male Stud – 34.152.

carbon steel parallel Metric thread 24° compression ring branch tee standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions								working pressure	ISO series
			mm	M	L1	L2	L3	L4	L5	H1		
34.152.06LM10	6	10x1	27	12	34,5	42,5	8	12	14	14	31.5	L
34.152.08LM12	8	12x1,5	29	14	37	49	12	12	17	17	31.5	L
34.152.10LM14	10	14x1,5	30	15	39,5	51,5	12	14	19	19	31.5	L
34.152.12LM16	12	16x1,5	32	17	41,5	53,5	12	17	22	22	31.5	L
34.152.15LM18	15	18x1,5	36	21	45,5	57,5	12	19	27	24	31.5	L
34.152.18LM22	18	22x1,5	40	23,5	49,5	63,5	14	24	32	27	31.5	L
34.152.22LM26	22	26x1,5	44	27,5	54,5	70,5	16	27	36	32	16.0	L
34.152.28LM33	28	33x2	47	30,5	59	77	18	36	41	41	16.0	L
34.152.35LM42	35	42x2	56	34,5	68,5	88,5	20	41	50	50	16.0	L
34.152.42LM48	42	48x2	63	40	75	97	22	50	60	55	16.0	L
34.152.06SM12	6	12x1,5	31	16	40	52	12	12	17	17	63.0	S
34.152.08SM14	8	14x1,5	32	17	42	54	12	14	19	19	63.0	S
34.152.10SM16	10	16x1,5	34	17,5	44,5	56,5	12	17	22	22	63.0	S
34.152.12SM18	12	18x1,5	38	21,5	47,5	59,5	12	17	24	24	63.0	S
34.152.14SM20	14	20x1,5	40	22	53,5	67,5	14	19	27	27	63.0	S
34.152.16SM22	16	22x1,5	43	24,5	54,5	68,5	14	24	30	27	40.0	S
34.152.20SM27	20	27x2	48	26,5	64,5	80,5	16	27	36	32	40.0	S
34.152.25SM33	25	33x2	54	30	72,5	90,5	18	36	46	41	40.0	S
34.152.30SM42	30	42x2	62	35,5	78,5	98,5	20	41	50	50	40.0	S
34.152.38SM48	38	48x2	72	41	89	111	22	50	60	55	31.5	S

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.152.30SM42)

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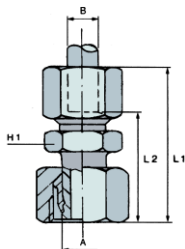
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Balfit® Compression Ring Pipe Fittings



Balfit® Swivel Reducing Light Standpipe Connector – 34.153.

carbon steel swivel reducing 24° compression ring light standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		dimensions						working pressure MPa	ISO series	
	A	B	L1	L2	H1						
34.153.0806L	8	6	40	25,5	12					31.5	L
34.153.1006L	10	6	40,5	26	12					31.5	L
34.153.1206L	12	6	41,5	27	14					31.5	L
34.153.1506L	15	6	41,5	27	17					31.5	L
34.153.1806L	18	6	44	29,5	19					31.5	L
34.153.2206L	22	6	45	30,5	24					16.0	L
34.153.2806L	28	6	46,5	32	30					16.0	L
34.153.3506L	35	6	53	38,5	36					16.0	L
34.153.4206L	42	6	54	39,5	46					16.0	L
34.153.1008L	10	8	42	27	14					31.5	L
34.153.1208L	12	8	42	27	14					31.5	L
34.153.1508L	15	8	42	27	17					31.5	L
34.153.1808L	18	8	44,5	29,5	19					31.5	L
34.153.2208L	22	8	45,5	30,5	24					16.0	L
34.153.2808L	28	8	47	32	30					16.0	L
34.153.3508L	35	8	53,5	38,5	36					16.0	L
34.153.4208L	42	8	54,5	39,5	46					16.0	L
34.153.1210L	12	10	43	28	17					31.5	L
34.153.1510L	15	10	43	28	17					31.5	L
34.153.1810L	18	10	45,5	30,5	19					31.5	L
34.153.2210L	22	10	46,5	31,5	24					16.0	L
34.153.2810L	28	10	48	33	30					16.0	L
34.153.3510L	35	10	54,5	39,5	36					16.0	L
34.153.4210L	42	10	55,5	40,5	46					16.0	L

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.153.3510L)

continued on next page

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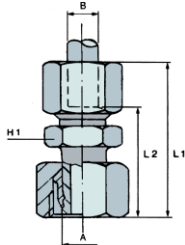


Balfit® Compression Ring Pipe Fittings

continued

Balfit® Swivel Reducing Light Standpipe Connector – 34.153.

carbon steel swivel reducing 24° compression ring light standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube		dimensions						working pressure MPa	ISO series	
	A	B	L1	L2	H1						
34.153.1512L	15	12	43,5	29	19					31.5	L
34.153.1812L	18	12	45	30,5	19					31.5	L
34.153.2212L	22	12	46	31,5	24					16.0	L
34.153.2812L	28	12	47,5	33	30					16.0	L
34.153.3512L	35	12	54	39,5	36					16.0	L
34.153.4212L	42	12	55	40,5	46					16.0	L
34.153.1815L	18	15	46,5	31,5	24					31.5	L
34.153.2215L	22	15	47,5	32,5	24					16.0	L
34.153.2815L	28	15	49	34	30					16.0	L
34.153.3515L	35	15	55,5	40,5	36					16.0	L
34.153.4215L	42	15	56,5	41,5	46					16.0	L
34.153.2218L	22	18	49	32,5	27					16.0	L
34.153.2818L	28	18	50	33,5	30					16.0	L
34.153.3518L	35	18	56,5	40	36					16.0	L
34.153.4218L	42	18	57,5	41	46					16.0	L
34.153.2822L	28	22	52	35,5	32					16.0	L
34.153.3522L	35	22	58,5	42	36					16.0	L
34.153.4222L	42	22	59,5	43	46					16.0	L
34.153.3528L	35	28	58,5	42	41					16.0	L
34.153.4228L	42	28	59,5	43	46					16.0	L
34.153.4235L	42	35	63,5	42	46					16.0	L

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.153.3522L)

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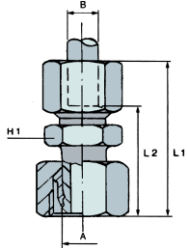
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Balfit® Compression Ring Pipe Fittings



Balfit® Swivel Reducing Heavy Standpipe Connector – 34.154.

carbon steel swivel reducing 24° compression ring heavy standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube		dimensions						working pressure MPa	ISO series
	A	B	L1	L2	H1					
34.154.0806S	8	6	44	29	14				63.0	S
34.154.1006S	10	6	46,5	31,5	14				63.0	S
34.154.1206S	12	6	46	31	14				63.0	S
34.154.1406S	14	6	50	35	17				63.0	S
34.154.1208S	16	6	51	36	17				40.0	S
34.154.2006S	20	6	56,5	41,5	22				40.0	S
34.154.2506S	25	6	59	44	27				40.0	S
34.154.3006S	30	6	63,5	48,5	32				40.0	S
34.154.3806S	38	6	69,5	54,5	41				31.5	S
34.154.1008S	10	8	48,5	33,5	17				63.0	S
34.154.1208S	12	8	48	33	17				63.0	S
34.154.1408S	14	8	50	35	17				63.0	S
34.154.1608S	16	8	51	36	17				40.0	S
34.154.2008S	20	8	56,5	41,5	22				40.0	S
34.154.2508S	25	8	59	44	27				40.0	S
34.154.3008S	30	8	63,5	48,5	32				40.0	S
34.154.3808S	38	8	69,5	54,5	41				31.5	S
34.154.1210S	12	10	48,5	32,5	19				63.0	S
34.154.1410S	14	10	50,5	34,5	19				63.0	S
34.154.1610S	16	10	51,5	35,5	19				40.0	S
34.154.2010S	20	10	57	41	22				40.0	S
34.154.2510S	25	10	59,5	43,5	27				40.0	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.154.3010S)

continued on next page

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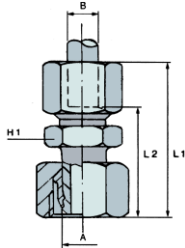


Balfit® Compression Ring Pipe Fittings

continued

Balfit® Swivel Reducing Heavy Standpipe Connector – 34.154.

carbon steel swivel reducing 24° compression ring heavy standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube		dimensions						working pressure MPa	ISO series
	A	B	L1	L2	H1					
34.154.3010S	30	10	64	48	32				25.0	S
34.154.3810S	38	10	70	54	41				25.0	S
34.154.1412S	14	12	52,5	36,5	22				63.0	S
34.154.1612S	16	12	53,5	37,5	22				40.0	S
34.154.2012S	20	12	57	41	22				40.0	S
34.154.2512S	25	12	59,5	43,5	27				40.0	S
34.154.3012S	30	12	64	48	32				40.0	S
34.154.3812S	38	12	70	54	41				31.5	S
34.154.1614S	16	14	57	39	24				40.0	S
34.154.2014S	20	14	60,5	42,5	24				40.0	S
34.154.2514S	25	14	63	45	27				40.0	S
34.154.3014S	30	14	67,5	49,5	32				25.0	S
34.154.3814S	38	14	73,5	55,5	41				25.0	S
34.154.2016S	20	16	60,5	42	27				40.0	S
34.154.2516S	25	16	63	44,5	27				40.0	S
34.154.3016S	30	16	67,5	49	32				40.0	S
34.154.3816S	38	16	73,5	55	41				31.5	S
34.154.2520S	25	20	68	46,5	32				40.0	S
34.154.3020S	30	20	70,5	49	32				40.0	S
34.154.3820S	38	20	76,5	55	41				40.0	S
34.154.3025S	30	25	75,5	51,5	41				40.0	S
34.154.3825S	38	25	79,5	55,5	41				31.5	S
34.154.3830S	38	30	82,5	56	46				31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.154.3020S)

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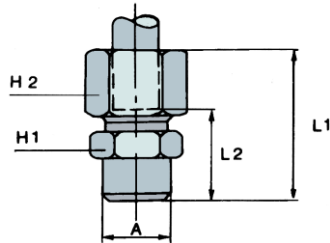
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Balfit® Compression Ring Pipe Fittings



Balfit® Welding Boss – 34.155.

carbon steel weld-on 24° compression ring standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
	mm	P	L1	L2	L3	L4				MPa	
34.155.06L	6	10	29	14	12	14				31.5	L
34.155.08L	8	12	31	16	14	17				31.5	L
34.155.10L	10	14	33	18	17	19				31.5	L
34.155.12L	12	16	33	18	19	22				31.5	L
34.155.15L	15	19	37	22	22	27				31.5	L
34.155.18L	18	22	40	23,5	27	32				31.5	L
34.155.22L	22	27	45	28,5	32	36				16.0	L
34.155.28L	28	32	47	30,5	41	41				16.0	L
34.155.35L	35	40	54	32,5	46	50				16.0	L
34.155.42L	42	46	58	35	55	60				16.0	L
34.155.06S	6	11	34	19	14	17				63.0	S
34.155.08S	8	13	36	21	17	19				63.0	S
34.155.10S	10	15	39	22,5	19	22				63.0	S
34.155.12S	12	17	41	24,5	22	24				63.0	S
34.155.14S	14	19	45	27	24	27				63.0	S
34.155.16S	16	21	45	26,5	27	30				40.0	S
34.155.20S	20	26	51	29,5	32	36				40.0	S
34.155.25S	25	31	56	32	41	46				40.0	S
34.155.30S	30	36	62	35,5	46	50				40.0	S
34.155.38S	38	44	69	38	55	60				31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.155.16S)

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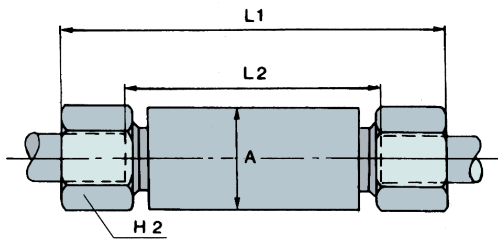
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] Welding Bulkhead Connector – 34.156.

carbon steel weld-on bulkhead 24° compression ring standpipe connector



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
	mm		A	L1	L2	H2				MPa	
34.156.06L	6		18	85	56	14				31.5	L
34.156.08L	8		20	85	56	17				31.5	L
34.156.10L	10		22	87	58	19				31.5	L
34.156.12L	12		25	87	58	22				31.5	L
34.156.15L	15		28	100	70	27				31.5	L
34.156.18L	18		32	101	69	32				31.5	L
34.156.22L	22		36	105	73	36				16.0	L
34.156.28L	28		40	106	73	41				16.0	L
34.156.35L	35		50	114	71	50				16.0	L
34.156.42L	42		60	115	70	60				16.0	L
34.156.06S	6		20	89	60	17				63.0	S
34.156.08S	8		22	89	60	19				63.0	S
34.156.10S	10		25	91	59	22				63.0	S
34.156.12S	12		28	91	59	24				63.0	S
34.156.14S	14		30	107	72	27				63.0	S
34.156.16S	16		35	107	71	30				40.0	S
34.156.20S	20		38	114	71	36				40.0	S
34.156.25S	25		45	120	72	46				40.0	S
34.156.30S	30		50	126	73	50				40.0	S
34.156.38S	38		60	133	72	60				31.5	S

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.156.16S)

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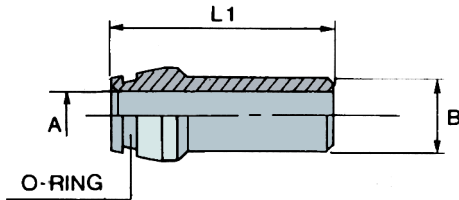
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Balfit® Compression Ring Pipe Fittings



Balfit® Welding Nipple – 34.157.

unassembled carbon steel weld-on 24° nipple with O-ring groove



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
	mm		thickness	A	B	L1	O-ring		MPa		
34.157.10S	10		10x2	6	10	35	7,5x1,5			630	S
34.157.12S	12		12x2,5	7	12	35	9x1,5			630	S
34.157.14S	14		14x3	8	14	40	10x2			400	S
34.157.16S	16		16x3	10	16	42	12x2			400	S
34.157.20S	20		20x4	12	20	48	16,3x2,4			400	S
34.157.25S	25		25x4	17	25	52	20,3x2,4			400	S
34.157.30S	30		30x4	22	30	59	25,3x2,4			400	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.157.16S)

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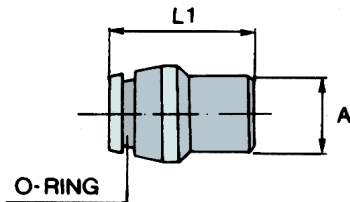
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Balfit® Compression Ring Pipe Fittings

Balfit® Blanking Plug – 34.158.

carbon steel plug with O-ring groove



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
	mm		A	L1				O-ring	MPa		
34.158.06LS	6	6	17					4x1,5	31.5	L	
34.158.08LS	8	8	17					6x1,5	31.5	L	
34.158.10LS	10	10	20					7,5x1,5	31.5	L	
34.158.12LS	12	12	21					9x1,5	31.5	L	
34.158.15L	15	15	21					12x2	31.5	L	
34.158.18L	18	18	23					15x2	31.5	L	
34.158.22L	22	22	23					20x2	16.0	L	
34.158.28L	28	28	25					26x2	16.0	L	
34.158.35L	35	35	29					32x2,5	16.0	L	
34.158.42L	42	42	30					38x2,5	16.0	L	
34.158.14S	14	14	23					10x2	63.0	S	
34.158.16S	16	16	24					12x2	40.0	S	
34.158.20S	20	20	28					16,3x2,4	40.0	S	
34.158.25S	25	25	31					20,3x2,4	40.0	S	
34.158.30S	30	30	34					25,3x2,4	40.0	S	
34.158.38S	38	38	38					33,3x2,4	31.5	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.158.16S)

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Balfit® Compression Ring Pipe Fittings

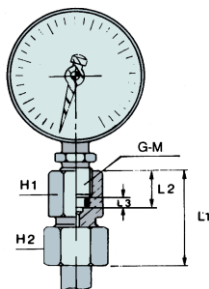


Balfit® BSP Gauge Connector – 34.159.

carbon steel parallel BSP thread gauge connector

Balfit® Metric Gauge Connector – 34.160.

carbon steel parallel Metric thread gauge connecto



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series	
			mm	G / M	L1	L2	L3	H1			H2
34.159.06LR04	6	1/4	43,5	14,5	4,5			19	14	31.5	L
34.159.08LR04	8	1/4	44	14,5	4,5			19	17	31.5	L
34.159.10LR04	10	1/4	45	14,5	4,5			19	19	31.5	L
34.159.12LR04	12	1/4	44,5	14,5	4,5			19	22	31.5	L
34.159.06SR08	6	1/2	53	20	5			30	17	63.0	S
34.159.08SR08	8	1/2	53	20	5			30	19	63.0	S
34.159.10SR08	10	1/2	54	20	5			30	22	63.0	S
34.159.12SR08	12	1/2	54	20	5			30	24	63.0	S
34.160.06LM12	6	12x1,5	43,5	14,5	4,5			19	14	31.5	L
34.160.08LM12	8	12x1,5	44	14,5	4,5			19	17	31.5	L
34.160.10LM12	10	12x1,5	45	14,5	4,5			19	19	31.5	L
34.160.12LM12	12	12x1,5	44,5	14,5	4,5			19	22	31.5	L
34.160.06SM18	6	18x1,5	53	20	5			27	17	63.0	S
34.160.08SM18	8	18x1,5	53	20	5			27	19	63.0	S
34.160.10SM18	10	18x1,5	54	20	5			27	22	63.0	S
34.160.12SM18	12	18x1,5	54	20	5			27	24	63.0	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.159.12LR04)

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.160.06SM18)

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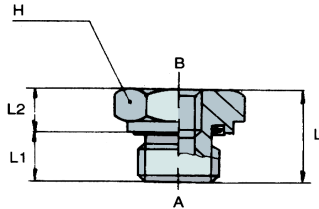
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Balfit® Compression Ring Pipe Fittings

Balfit® Male-Female Stud Adapter – 34.174.

carbon steel parallel BSP thread male-female adapter with rubber seal



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
	mm	G	Ø	L	L1			H		MPa	
34.174.06R02	3/8	1/8	22,5	12	10,5			22		63.0	S
34.174.08R02	1/2	1/8	24	14	10			27		63.0	S
34.174.08R04	1/2	1/4	24	14	10			27		63.0	S
34.174.12R04	3/4	1/4	26	16	10			32		40.0	S
34.174.12R06	3/4	3/8	26	16	10			32		40.0	S
34.174.16R04	1	1/4	29	18	11			41		40.0	S
34.174.16R06	1	3/8	29	18	11			41		40.0	S
34.174.16R08	1	1/2	29	18	11			41		40.0	S
34.174.20R08	1-1/4	1/2	32	20	12			50		40.0	S
34.174.20R12	1-1/4	3/4	32	20	12			50		40.0	S
34.174.24R08	1-1/2	1/2	36	22	14			55		31.5	S
34.174.24R12	1-1/2	3/4	36	22	14			55		31.5	S
34.174.24R16	1-1/2	1	36	22	14			55		31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.174.20R12S)

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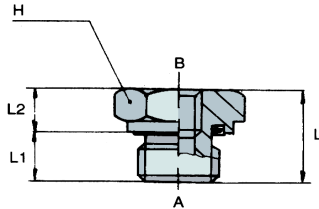
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Balfit® Compression Ring Pipe Fittings



Balfit® Male-Female Stud Adapter with rubber seal – 34.175.

carbon steel parallel BSP thread male-female adapter with rubber seal



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
	mm	G	Ø	L	L1			H	MPa		
34.175.02R04	1/8	1/4	31	8	23			19	63.0	S	
34.175.02R06	1/8	3/8	32	8	24			24	63.0	S	
34.175.04R02	1/4	1/8	28	12	16			19	63.0	S	
34.175.04R06	1/4	3/8	36	12	24			24	63.0	S	
34.175.04R08	1/4	1/2	40	12	28			30	63.0	S	
34.175.04R12	1/4	3/4	43	12	31			36	63.0	S	
34.175.06R04	3/8	1/4	36	12	24			22	63.0	S	
34.175.06R08	3/8	1/2	41	12	29			30	63.0	S	
34.175.06R12	3/8	3/4	44	12	22			36	40.0	S	
34.175.08R06	1/2	3/8	36	14	22			27	63.0	S	
34.175.08R12	1/2	3/4	46	14	32			36	40.0	S	
34.175.08R16	1/2	1	49	14	35			41	40.0	S	
34.175.08R20	1/2	1 1/4	53	14	39			55	40.0	S	
34.175.12R08	3/4	1/2	41	16	25			32	40.0	S	
34.175.12R16	3/4	1	51	16	35			41	40.0	S	
34.175.12R20	3/4	1 1/4	55	16	26			42	40.0	S	
34.175.12R24	3/4	1 1/2	57	16	41			60	31.5	S	
34.175.16R12	1	3/4	47	18	29			41	40.0	S	
34.175.16R20	1	1 1/4	57	18	39			55	40.0	S	
34.175.16R24	1	1 1/2	59	18	41			60	31.5	S	
34.175.20R16	1 1/4	1	52	20	32			50	40.0	S	
34.175.20R24	1 1/4	1 1/2	60	20	40			60	31.5	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.174.16R20)

Construction characteristics and dimensions may be changed at any time without prior notice.

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Balfit® Compression Ring Pipe Fittings

Balfit® BSP Plug with Hexagon Socket – 34.176.

carbon steel parallel BSP thread plug with hollow hexagon socket

Balfit® Metric Plug with Hexagon Socket – 34.177.

carbon steel parallel Metric thread plug with hollow hexagon socket



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions						working pressure	ISO series
	mm	G / M	Ø	L	L1		H	Ø	MPa	
34.176.R02		1/8	14	12	8		5		40.0	S
34.176.R04		1/4	19	17	12		6		40.0	S
34.176.R06		3/8	22	17	12		8		40.0	S
34.176.R08		1/2	27	19	14		10		40.0	S
34.176.R12		3/4	32	21	16		12		40.0	S
34.176.R16		1	40	22,5	16		17		40.0	S
34.176.R20		1-1/4	50	22,5	16		22		25.0	S
34.176.R24		1-1/2	55	22,5	16		24		25.0	S
34.177.M10		10x1	14	12	8		5		40.0	S
34.177.M12		12x1,5	17	17	12		6		40.0	S
34.177.M14		14x1,5	19	17	12		6		40.0	S
34.177.M16		16x1,5	22	17	12		8		40.0	S
34.177.M18		18x1,5	24	17	12		8		40.0	S
34.177.M20		20x1,5	26	19	14		10		40.0	S
34.177.M22		22x1,5	27	19	14		10		40.0	S
34.177.M26		26x1,5	32	21	16		12		40.0	S
34.177.M27		27x2	32	21	16		12		40.0	S
34.177.M33		33x2	40	22,5	16		17		40.0	S
34.177.M42		42x2	50	22,5	16		22		25.0	S
34.177.M48		48x2	55	22,5	16		24		25.0	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.176.R04S)

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.177.M42S)

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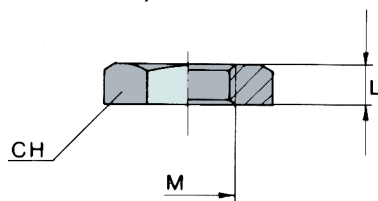
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Balfit® Compression Ring Pipe Fittings



Balfit® Metric Bulkhead Nut – 34.179.

carbon steel parallel Metric thread nut for bulkhead connectors



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		thread	dimensions						ISO series	
	mm	mm		M	L	H					
34.179.M12	6 L		12x1,5	6	17						L
34.179.M14	8 L	6 S	14x1,5	6	19						L/S
34.179.M16	10 L	8 S	16x1,5	6	22						L/S
34.179.M18	12 L	10 S	18x1,5	6	24						L/S
34.179.M20		12 S	20x1,5	6	27						S
34.179.M22	15 L	14 S	22x1,5	7	30						L/S
34.179.M24		16 S	24x1,5	7	32						S
34.179.M26	18 L		26x1,5	8	36						L
34.179.M30	22 L	20 S	30x2	8	41						L/S
34.179.M36	28 L	25 S	36x2	9	46						L/S
34.179.M42		30 S	42x2	9	50						S
34.179.M45	35 L		45x2	9	55						L
34.179.M52	42 L	38 S	52x2	10	65						L/S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.179.M45)

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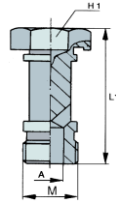
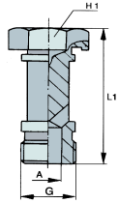
Balfit[®] Compression Ring Pipe Fittings

Balfit[®] Banjo BSP Allow Screw – 34.181.

carbon steel parallel BSP thread banjo allow screw

Balfit[®] Banjo Metric Allow Screw – 34.182.

carbon steel parallel Metric thread banjo allow screw



According to **ISO 8434-1** According to **DIN 2353**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube	thread	dimensions						ISO series
	mm	G / M	Ø	L	L1		H	Ø	
34.181.R02		1/8	4	32	17				L/S
34.181.R04		1/4	5	44	19				L/S
34.181.R06		3/8	8	50,5	24				L/S
34.181.R08		1/2	10	60,5	30				L/S
34.181.R12		3/4	14,5	70	36				L/S
34.181.R16		1	21	84,5	46				L/S
34.181.R20		1-1/4	26	100	55				L/S
34.181.R24		1-1/2	30	112	60				L/S

34.182.M08	8x1	3	32	14					L/S
34.182.M10	10x1	4	32	17					L/S
34.182.M12	12x1,5	4	44	19					L/S
34.182.M14	14x1,5	5	44	19					L/S
34.182.M16	16x1,5	8	50,5	24					L/S
34.182.M18	18x1,5	8	54	27					L/S
34.182.M20	20x1,5	10	59	30					L/S
34.182.M22	22x1,5	10	60,5	30					L/S
34.182.M26	26x1,5	14,5	70	36					L/S
34.182.M27	27x2	14,5	70	36					L/S
34.182.M33	33x2	21	84,5	46					L/S
34.182.M42	42x2	26	100	55					L/S
34.182.M48	48x2	30	112	60					L/S

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.181.R12)

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.182.M18)

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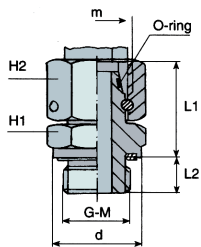
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Balfit® Compression Ring Pipe Fittings



Balfit® BSP Male Swivel Adapter – 34.605.

carbon steel parallel BSP thread male stud 24° compression fitting swivel adapter



24° compression fitting according to **DIN 3865 form B**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions							working pressure	ISO series
	mm	G	d	L1	L2	H1	H2	M	O-ring	MPa	
34.605.06LR02	6	1/8	14	24,5	8	14	14	12x1,5	4x1,5	31.5	L
34.605.08LR04	8	1/4	19	29,5	12	19	17	14x1,5	6x1,5	31.5	L
34.605.10LR04	10	1/4	19	27,5	12	19	19	16x1,5	7,5x1,5	31.5	L
34.605.12LR06	12	3/8	22	34	12	22	22	18x1,5	9x1,5	31.5	L
34.605.15LR08	15	1/2	27	32	14	27	27	22x1,5	12x2	31.5	L
34.605.18LR08	18	1/2	27	31,5	14	27	32	26x1,5	15x2	31.5	L
34.605.22LR12	22	3/4	32	32,5	16	32	36	30x2	20x2	16.0	L
34.605.28LR16	28	1	40	35	18	41	41	36x2	26x2	16.0	L
34.605.35LR20	35	1-1/4	50	42,5	20	50	50	45x2	32x2,5	16.0	L
34.605.42LR24	42	1-1/2	55	46,5	22	55	60	52x2	38x2,5	16.0	L
34.605.06SR04	6	1/4	19	27	12	19	17	14x1,5	4x1,5	63.0	S
34.605.08SR04	8	1/4	19	29,5	12	19	19	16x1,5	6x1,5	63.0	S
34.605.10SR06	10	3/8	22	32	12	22	22	18x1,5	7,5x1,5	63.0	S
34.605.12SR06	12	3/8	22	34	12	22	24	20x1,5	9x1,5	63.0	S
34.605.14SR08	14	1/2	27	36,5	14	27	27	22x1,5	10x2	63.0	S
34.605.16SR08	16	1/2	27	37	14	27	30	24x1,5	12x2	40.0	S
34.605.20SR12	20	3/4	32	43	16	32	36	30x2	16,3x2,4	40.0	S
34.605.25SR16	25	1	40	48	18	41	46	36x2	20,3x2,4	40.0	S
34.605.30SR20	30	1-1/4	50	51	20	50	50	42x2	25,3x2,4	40.0	S
34.605.38SR24	38	1-1/2	55	60	22	55	60	52x2	33,3x2,4	31.5	S

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.605.SR08)

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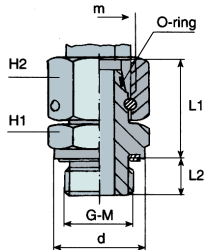
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Balfit[®] Compression Ring Pipe Fittings

Balfit[®] METRIC Male Swivel Adapter – 34.606.

carbon steel parallel Metric thread male stud 24° compression fitting swivel adapter



24° compression fitting according to **DIN 3865 form B**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube	thread	dimensions								working pressure	ISO series
			mm	M	d	L1	L2	H1	H2	m		
34.606.06LM10	6	10x1	14	24,5	8	14	14	12x1,5	4x1,5	31.5	L	
34.606.08LM12	8	12x1,5	17	26,5	12	17	17	14x1,5	6x1,5	31.5	L	
34.606.10LM14	10	14x1,5	19	27,5	12	19	19	16x1,5	7,5x1,5	31.5	L	
34.606.12LM16	12	16x1,5	22	30,5	12	22	22	18x1,5	9x1,5	31.5	L	
34.606.15LM18	15	18x1,5	24	31,5	12	24	27	22x1,5	12x2	31.5	L	
34.606.18LM22	18	22x1,5	27	31,5	14	27	32	26x1,5	15x2	31.5	L	
34.606.22LM26	22	26x1,5	32	32,5	16	32	36	30x2	20x2	16.0	L	
34.606.28LM33	28	33x2	40	35	18	41	41	36x2	26x2	16.0	L	
34.606.35LM42	35	42x2	50	42,5	20	50	50	45x2	32x2,5	16.0	L	
34.606.42LM48	42	48x2	55	46,5	22	55	60	52x2	38x2,5	16.0	L	
34.606.06SM12	6	12x1,5	17	27	12	17	17	14x1,5	4x1,5	63.0	S	
34.606.08SM14	8	14x1,5	19	29,5	12	19	19	16x1,5	6x1,5	63.0	S	
34.606.10SM16	10	16x1,5	22	32	12	22	22	18x1,5	7,5x1,5	63.0	S	
34.606.12SM18	12	18x1,5	24	34	12	24	24	20x1,5	9x1,5	63.0	S	
34.606.14SM20	14	20x1,5	26	36,5	14	27	27	22x1,5	10x2	63.0	S	
34.606.16SM22	16	22x1,5	27	37	14	27	30	24x1,5	12x2	40.0	S	
34.606.20SM27	20	27x2	32	43	16	32	36	30x2	16,3x2,4	40.0	S	
34.606.25SM33	25	33x2	40	48	18	41	46	36x2	20,3x2,4	40.0	S	
34.606.30SM42	30	42x2	50	51	20	50	50	42x2	25,3x2,4	40.0	S	
34.606.38SM48	38	48x2	55	60	22	55	60	52x2	33,3x2,4	31.5	S	

also available:

Balfit[®] Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.606.20SM27)

Construction characteristics and dimensions may be changed at any time without prior notice.

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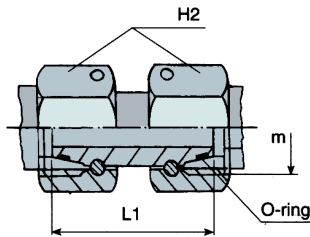
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Balfit® Compression Ring Pipe Fittings



Balfit® Metric Swivel Union – 34.635.

carbon steel parallel Metric thread 24° compression fitting swivel union



24° compression fitting according to **DIN 3865 form B**

Material: Carbon Steel
Finish: Zinc-plated

part number	Ø tube mm	dimensions							working pressure MPa	ISO series
		L1	H2			m	O-ring			
34.635.06L	6	37	14			12x1,5	4x1,5	31.5	L	
34.635.08L	8	37	17			14x1,5	6x1,5	31.5	L	
34.635.10L	10	38	19			16x1,5	7,5x1,5	31.5	L	
34.635.12L	12	38	22			18x1,5	9x1,5	31.5	L	
34.635.15L	15	42	27			22x1,5	12x2	31.5	L	
34.635.18L	18	40	32			26x1,5	15x2	31.5	L	
34.635.22L	22	47	36			30x2	20x2	16.0	L	
34.635.28L	28	48	41			36x2	26x2	16.0	L	
34.635.35L	35	56	50			45x2	32x2,5	16.0	L	
34.635.42L	42	56	60			52x2	38x2,5	16.0	L	
34.635.06S	6	38	17			14x1,5	4x1,5	63.0	S	
34.635.08S	8	38	19			16x1,5	6x1,5	63.0	S	
34.635.10S	10	41	22			18x1,5	7,5x1,5	63.0	S	
34.635.12S	12	42	24			20x1,5	9x1,5	63.0	S	
34.635.14S	14	45	27			22x1,5	10x2	63.0	S	
34.635.16S	16	47	30			24x1,5	12x2	40.0	S	
34.635.20S	20	55	36			30x2	16,3x2,4	40.0	S	
34.635.25S	25	59	46			36x2	20,3x2,4	40.0	S	
34.635.30S	30	62	50			42x2	25,3x2,4	40.0	S	
34.635.38S	38	67	60			52x2	33,3x2,4	31.5	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.635.12S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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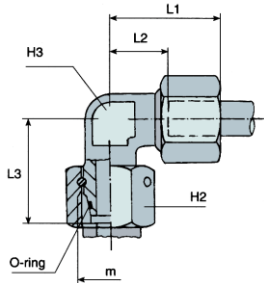
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Balfit® Compression Ring Pipe Fittings

Balfit® Swivel Elbow Adapter – 34.642.

carbon steel 24° compression fitting swivel 24° compression ring standpipe adapter



24° compression fitting according to **DIN 3865 form B**

Material: Carbon Steel

Finish: Zinc-plated

part number	Ø tube		dimensions								working pressure	ISO series
	mm		L1	L2	L3	H2	H3	m	O-ring	MPa		
34.642.06LM12	6	27	12	26	14	12		12x1,5	4x1,5	31.5	L	
34.642.08LM14	8	29	14	27,5	17	12		14x1,5	6x1,5	31.5	L	
34.642.10LM16	10	30	15	29	19	14		16x1,5	7,5x1,5	31.5	L	
34.642.12LM18	12	32	17	29,5	22	17		18x1,5	9x1,5	31.5	L	
34.642.15LM22	15	36	21	32,5	27	19		22x1,5	12x2	31.5	L	
34.642.18LM26	18	40	23,5	35,5	32	24		26x1,5	15x2	31.5	L	
34.642.22LM30	22	44	27,5	38,5	36	27		30x2	20x2	16.0	L	
34.642.28LM36	28	47	30,5	41,5	41	36		36x2	26x2	16.0	L	
34.642.35LM45	35	56	34,5	51	50	41		45x2	32x2,5	16.0	L	
34.642.42LM52	42	63	40	56	60	50		52x2	38x2,5	16.0	L	
34.642.06SM14	6	31	16	27	17	12		14x1,5	4x1,5	63.0	S	
34.642.08SM16	8	32	17	27,5	19	14		16x1,5	6x1,5	63.0	S	
34.642.10SM18	10	34	17,5	30	22	17		18x1,5	7,5x1,5	63.0	S	
34.642.12SM20	12	38	21,5	31	24	17		20x1,5	9x1,5	63.0	S	
34.642.14SM22	14	40	22	35	27	19		22x1,5	10x2	63.0	S	
34.642.16SM24	16	43	24,5	36,5	30	24		24x1,5	12x2	40.0	S	
34.642.20SM30	20	48	26,5	44,5	36	27		30x2	16,3x2,4	40.0	S	
34.642.25SM36	25	54	30	50	46	36		36x2	20,3x2,4	40.0	S	
34.642.30SM42	30	62	35,5	55	50	41		42x2	25,3x2,4	40.0	S	
34.642.38SM52	38	72	41	63	60	50		52x2	33,3x2,4	31.5	S	

also available:

Balfit® Stainless Steel 24° Compression Ring

(add an 'S' at the end of the part number; ex: 34.642.12SM20)

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Balflex® – The European Technology

Balflex[®] DIN 2391 C Tube



Balflex[®] DIN 2391 C St 37.4 NBK Tube – 34.205.

cold drawn seamless tube DIN 2391 C St 37.4 NBK



Cold Finished Seamless (Hydraulic and Pneumatic)

According to DIN 2391/C steel
in accordance with DIN 1630 ST37.4 NBK

Material: Steel

Dimensions and tolerances according to DIN 2391 – EN ISO 10305-4 (ISO 3304).

All Balflex[®] pipes are normalized and controlled.

The Working Pressure indicated are valid for standard operation conditions at temperatures of: - 40°C (- 40°F) to +120°C (+ 248°F).

Balflex Part. Number	Specification Tube (O.D x W.T)	Inner Diameter	Outside Diameter	Wall Thickness	Working Pressure	
					MPa	PSI
	mm	mm	mm	mm		
34.205.0410	4 x 1	2,0	4,0	1,0	52,2	7569
34.205.0610	6 x 1	4,0	6,0	1,0	50,9	7380
34.205.0615	6 x 1,5	3,0	6,0	1,5	82,5	11963
34.205.0620	6 x 2	2,0	6,0	2,0	98,5	14282
34.205.0810	8 x 1	6,0	8,0	1,0	36,7	5322
34.205.0815	8 x 1,5	5,0	8,0	1,5	58,3	8454
34.205.0820	8 x 2	4,0	8,0	2,0	82,5	11963
34.205.0825	8 x 2,5	3,0	8,0	2,5	93,5	13558
34.205.1010	10 x 1	8,0	10,0	1,0	28,7	4162
34.205.1015	10 x 1,5	7,0	10,0	1,5	45,0	6525
34.205.1020	10 x 2	6,0	10,0	2,0	63,0	9135
34.205.1025	10 x 2,5	5,0	10,0	2,5	72,5	10513
34.205.1215	12 x 1,5	9,0	12,0	1,5	36,7	5322
34.205.1220	12 x 2	8,0	12,0	2,0	50,8	7366
34.205.1225	12 x 2,5	7,0	12,0	2,5	66,0	9570
34.205.1415	14 x 1,5	11,0	14,0	1,5	25,6	3712
34.205.1420	14 x 2	10,0	14,0	2,0	42,6	6177
34.205.1515	15 x 1,5	12,0	15,0	1,5	28,7	4162
34.205.1520	15 x 2	11,0	15,0	2,0	39,4	5713
34.205.1615	16 x 1,5	13,0	16,0	1,5	22,4	3248
34.205.1620	16 x 2	12,0	16,0	2,0	36,7	5322
34.205.1625	16 x 2,5	11,0	16,0	2,5	47,1	6830
34.205.1630	16 x 3	10,0	16,0	3,0	49,9	7236

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Balflex[®] – The European Technology



Balflex® DIN 2391 C Tube

Balflex® DIN 2391 C St 37.4 NBK Tube – 34.205.

cold drawn seamless tube DIN 2391 C St 37.4 NBK



Cold Finished Seamless (Hydraulic and Pneumatic)

According to DIN 2391/C steel
in accordance with DIN 1630 ST37.4 NBK

Material: Steel

Dimensions and tolerances according to DIN 2391 – EN ISO 10305-4 (ISO 3304).

All Balflex® pipes are normalized and controlled.

The Working Pressure indicated are valid for standard operation conditions at temperatures of: - 40°C (- 40°F) to +120°C (+ 248°F).

Balflex Part. Number	Specification Tube (O.D x W.T)	Inner Diameter	Outside Diameter	Wall Thickness	Working Pressure	
					MPa	PSI
	mm	mm	mm	mm	MPa	PSI
34.205.1815	18 x 1,5	15,0	18,0	1,5	23,6	3422
34.205.1820	18 x 2	14,0	18,0	2,0	32,2	4669
34.205.2020	20 x 2	16,0	20,0	2,0	23,9	3466
34.205.2025	20 x 2,5	15,0	20,0	2,5	36,7	5322
34.205.2030	20 x 3	14,0	20,0	3,0	45,1	6540
34.205.2040	20 x 4	12,0	20,0	4,0	47,9	6946
34.205.2215	22 x 1,5	19,0	22,0	1,5	16,3	2364
34.205.2220	22 x 2	18,0	22,0	2,0	25,9	3756
34.205.2225	22 x 2,5	17,0	22,0	2,5	27,2	3944
34.205.2520	25 x 2	21,0	25,0	2,0	19,1	2770
34.205.2525	25 x 2,5	20,0	25,0	2,5	28,7	4162
34.205.2530	25 x 3	19,0	25,0	3,0	38,5	5583
34.205.2540	25 x 4	17,0	25,0	4,0	48,4	7018
34.205.2820	28 x 2	24,0	28,0	2,0	20,0	2900
34.205.2825	28 x 2,5	23,0	28,0	2,5	23,3	3379
34.205.2830	28 x 3	22,0	28,0	3,0	27,6	4002
34.205.2840	28 x 4	20,0	28,0	4,0	53,7	7787
34.205.3020	30 x 2	26,0	30,0	2,0	15,9	2306
34.205.3030	30 x 3	24,0	30,0	3,0	28,7	4162
34.205.3040	30 x 4	22,0	30,0	4,0	40,0	5800
34.205.3520	35 x 2	31,0	35,0	2,0	14,2	2059
34.205.3530	35 x 3	29,0	35,0	3,0	24,3	3524
34.205.3825	38 x 2,5	33,0	38,0	2,5	16,4	2378

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Balflex® – The European Technology

Balflex[®] DIN 2391 C Tube



Balflex[®] DIN 2391 C St 37.4 NBK Tube – 34.205.

cold drawn seamless tube DIN 2391 C St 37.4 NBK



Cold Finished Seamless (Hydraulic and Pneumatic)

According to DIN 2391/C steel
in accordance with DIN 1630 ST37.4 NBK

Material: Steel

Dimensions and tolerances according to DIN 2391 – EN ISO 10305-4 (ISO 3304).

All Balflex[®] pipes are normalized and controlled.

The Working Pressure indicated are valid for standard operation conditions at temperatures of: - 40°C (- 40°F) to +120°C (+ 248°F).

Balflex Part. Number	Specification Tube (O.D x W.T)	Inner Diameter	Outside Diameter	Wall Thickness	Working Pressure	
					MPa	PSI
	mm	mm	mm	mm		
34.205.3830	38 x 3	32,0	38,0	3,0	19,7	2857
34.205.3835	38 x 3,5	31,0	38,0	3,5	23,4	3393
34.205.3840	38 x 4	30,0	38,0	4,0	26,3	3814
34.205.3845	38 x 4,5	29,0	38,0	4,5	28,5	4133
34.205.3850	38 x 5	28,0	38,0	5,0	38,8	5626
34.205.3860	38 x 6	26,0	38,0	6,0	40,9	5931
34.205.4220	42 x 2	38,0	42,0	2,0	11,9	1726
34.205.4230	42 x 3	36,0	42,0	3,0	20,0	2900
34.205.4240	42 x 4	34,0	42,0	4,0	23,8	3451
34.205.5030	50 x 3	44,0	50,0	3,0	14,9	2161
34.205.6030	60 x 3	54,0	60,0	3,0	12,4	1798

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Balflex® Hydraulic Quick Couplings

Balflex® Hydraulic Quick Couplings and Ball Valves



Balflex® hydraulic quick couplings are designed for use with **Balfit®** hydraulic fittings and **Balflex®** hydraulic hoses in high pressure hydraulic systems.

The range of **Balflex®** hydraulic valves is produced according to **Balflex®** specifications and to **ISO**, **DIN** and **SAE** standards and other relevant industrial specifications. **Balflex®** has optimized the construction of these hydraulic valves in order to assure top rated performance, reliability and economy. Among their features are:

Security: To be used in standard hydraulic systems, Balflex hydraulic valves are all designed with a security factor of 4:1. Minimum burst pressure is thus always four times the rated working pressure

Low spillage: Specially designed sealing areas keep spillage below standard recommendations, whether at low or high pressure, when uncoupled

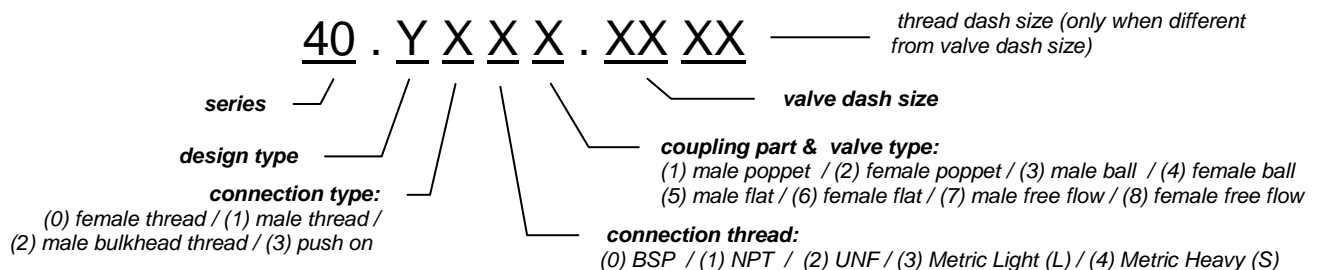
Easy handling: Connect and disconnect force are set at low values to allow easy handling

High efficiency: Sealing area design keeps pressure drop at a minimum, allowing undisturbed flow

Heat and oil resistance: Standard sealing rings are designed to resist oil and heat up to 80°C (+ 176°F). Special sealing rings on stainless steel bodies can be supplied on request for higher temperatures

Versatility: **Balflex®** valves are produced with all sorts of threads (BSP; Metric, NPT) and sizes in order to assure interchangeability and an extensive range of applications

The **Balflex®** hydraulic quick couplings part code is composed of three groups of digits:



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Balflex® Hydraulic Quick Couplings



Balflex® HYDRAULIC QUICK COUPLING *(quick disconnect coupler)*

40.AXX1 Male ISO A	40.AXX2 Female ISO A	40.BXX1 Male ISO B	40.BXX2 Female ISO B	40.AXX1 Male Push-Pull	40.PXX2 Female Push-Pull
40.FXX5 Flat Face Male	40.FXX6 Flat Face Female	40.DXX1 Male DIN	40.DXX2 Female DIN		
40.TXX1 High Flow Male NON-SPILL	40.TXX2 High Flow Female NON-SPILL	40.EXX5 Trailer Brake IFR Male	40.EXX6 Trailer Brake IFR Female		

Balflex® SCREW VALVES

40.VXX3 HPA 700 bar Screw Male Valve	40.VXX4 HPA 700 bar Screw Female Valve	40.CAX1 Screw Male	40.CAX2 Screw Female	40.NXX1 No Return Valve	40.SXX1 Screw Male	40.SXX2 Screw Female

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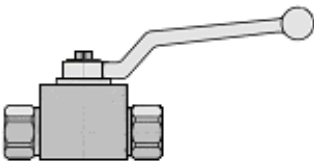
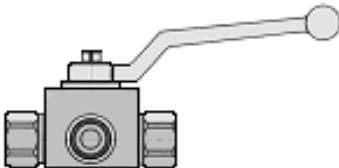
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Balflex® Hydraulic Quick Couplings

Balflex® DIRECTIONAL VALVES

	
40.2XXB 2-Way Ball Valve BKH	40.3XXC 3-Way Ball Valve

Showing **Balflex®** hydraulic quick coupling type with corresponding competitor's hydraulic quick coupling type

Cross-reference for Hydraulic Quick Coupling

Balflex® 40 Serie type	A	B	C	D	F	N	P	T	V	S
Aeroquip	FD56	FD45	5100	FD76	FD89					5100
Enerpac									C-604	
Faster	ANV	HNV	CVE	NV / NS	2FFI		CPV / PV		PVVM	
Gates	G956	G945			G949					G951
Parker	6600	60	6100	4000 **	FEM	DC	4200		3000	6100
Safeway	S56	S10		S20			S70		S30	S51
Snap-Tite	61	72	78	60	74	CPIFF				
Tema								IB7500 *		
Tomco	A5600	THK	A5100							
Tuthillh	H	HK			FF					

* IB 10000 for 1"

** the Parker 4000 NPT thread ball valve dash size – 8 (1/2") for agricultural equipment, is **Balflex®** **40.A013.08** (male) and **40.A014.08** (female)

The information provided by this Cross-reference chart is intended as a reference guide only. These hydraulic quick couplings are similar but not exactly equal in all technical data and performances. Refer to hydraulic quick coupling specifications to assure that the suggested hydraulic quick coupling will attend the required application.

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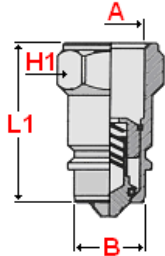
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Balflex® Hydraulic Quick Couplings

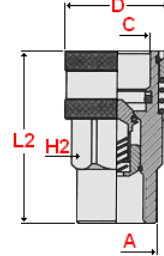


Balflex® Quick-Action Couplings ISO type A (poppet valve)

quick-action coupling for high pressure hydraulic systems with poppet valve closure detail



40.A001 - Male



40.A002 - Female

According to ISO 7241-1 series A
According to ISO 5675 (sizes -08 and -12)



Materials : carbon steel body, zinc plated, with synthetic rubber sealing rings and PTFE holding rings

Threads : female BSP or NPT

Valve closure detail : poppet valve

Maximum operating temperature : + 98°C / + 208°F (other materials for higher temperatures as special features)

Minimum operating temperature : - 20°C / - 4°F (other materials for lower temperatures as special features)

Application : agricultural and earth-moving machinery

part number male BSP	part number female BSP	nom. size	dash size	working pressure		dimensions (mm)							
				bar	PSI	A	B	H1	L1	C	D	H2	L2
40.A001.04	40.A002.04	6,3	- 4	350	5075	6,3	12	19	36	14	26	21	51
40.A001.06	40.A002.06	10	- 6	315	4568	9,5	17	22	41	18	32	24	59
40.A001.08	40.A002.08	12,5	- 8	300	4350	12,7	21	27	46	24	38	30	64
40.A001.12	40.A002.12	20	- 12	285	4133	19,0	29	36	56	31	48	38	84
40.A001.16	40.A002.16	25	- 16	285	4133	25,4	34	41	63	35	55	45	97
40.A001.20	40.A002.20	31,5	- 20	200	2900	32,0	45	50	75	48	70	60	117
40.A001.24	40.A002.24	40	- 24	160	2320	38,0	55	60	84	58	85	70	133
40.A001.32	40.A002.32	50	- 32	100	1450	50,8	65	75	100	70	100	75	161

also available:

Balflex® Quick-Action Couplings ISO type A with NPT thread

(change to '1' the third digit of the type sequence; ex: 40.A011.08)

also available:

Ball valves available for rugged dependability in heavy-duty hydraulic applications, within rated working pressure.

For ball valve

Balfit® Quick-Action Couplings ISO type A with BSP thread	Male – 40.A003.XX Female – 40.A004.XX
Balfit® Quick-Action Couplings ISO type A with NPTF thread	Male – 40.A013.XX Female – 40.A014.XX

Repair Kit

Balfit® Quick-Action Couplings ISO type A repair kit	O-Ring - NBR Seal - PTFE	40.AK01.XX
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Construction characteristics and dimensions may be changed at any time without prior notice.

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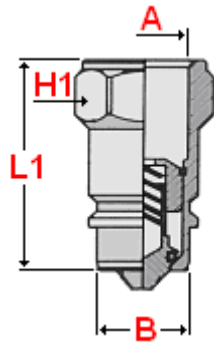
Balflex® – The European Technology



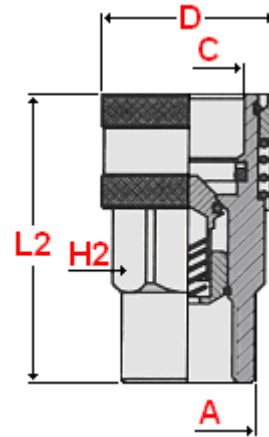
Balflex® Hydraulic Quick Couplings

Balflex® Quick-Action Couplings ISO type B (poppet valve)

quick-action coupling for high pressure hydraulic systems with poppet valve closure detail



40.B001 - Male



40.B002 - Female



According to **ISO 7241-1 series B**

Materials : carbon steel body, zinc plated, with synthetic rubber sealing rings and PTFE holding rings

Threads : female BSP or NPT

Valve closure detail : poppet valve

Maximum operating temperature : + 98°C / + 208°F (other materials for higher temperatures as special features)

Minimum operating temperature : - 20°C / - 4°F (other materials for lower temperatures as special features)

Application : agricultural and earth-moving machinery

part number male BSP	part number female BSP	nom. size	dash size	working pressure		dimensions (mm)							
				bar	PSI	A	B	H1	L1	C	D	H2	L2
40.B001.02	40.B002.02	5	- 2	350	5000	3,2	11	16	32	12	22	17	49
40.B001.04	40.B002.04	6,3	- 4	350	5000	6,3	14	19	36	16	27	22	58
40.B001.06	40.B002.06	10	- 6	300	4350	9,5	19	24	41	20	35	27	66
40.B001.08	40.B002.08	12,5	- 8	280	4000	12,7	24	27	46	26	42	35	74
40.B001.12	40.B002.12	20	- 12	180	2600	19,0	31	36	56	33	52	41	90
40.B001.16	40.B002.16	25	- 16	150	2100	25,4	37	41	63	41	60	50	103

also available:

Balflex® Quick-Action Couplings ISO type B with NPT thread

(change to '1' the third digit of the type sequence; ex: **40.B011.08**)

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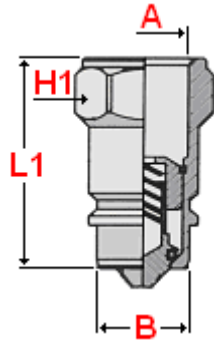
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Balflex® Hydraulic Quick Couplings

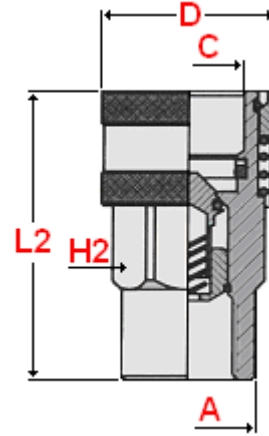


Balflex® Quick-Action Couplings DIN type (poppet valve)

quick-action coupling for high pressure hydraulic systems with poppet valve closure detail



40.D001 - Male



40.D002 - Female



Materials : carbon steel body, zinc plated, with synthetic rubber sealing rings and PTFE holding rings

Threads : female BSP or NPT

Valve closure detail : poppet valve

Maximum operating temperature : + 98°C / + 208°F (other materials for higher temperatures as special features)

Minimum operating temperature : - 20°C / - 4°F (other materials for lower temperatures as special features)

Application : agricultural and earth-moving machinery

part number male BSP	part number female BSP	nom. size	dash size	working pressure		dimensions (mm)							
				bar	PSI	A	B	H1	L1	C	D	H2	L2
40.D001.04	40.D002.04	6,3	- 4	350	5000	6,4	14,2	19	36	16,9	27	22	54
40.D001.06	40.D002.06	10	- 6	300	4300	9,5	19,0	24	41	21,6	34	27	61
40.D001.12	40.D002.12	20	- 12	250	3600	19,1	28,0	36	56	31,1	48	38	85
40.D001.16	40.D002.16	25	- 16	230	3300	25,4	31,3	41	63	34,6	55	45	97
40.D001.20	40.D002.20	31,5	- 20	220	3200	31,8	44,0	50	75	48,5	70	50	115

note : for dash size - 8 (1/2"), which is interchangeable with ISO type A, refer to parts 40.A001.08 and 40.A002.08

Balflex® Quick-Action Couplings DIN type with NPT thread

(change to '1' the third digit of the type sequence; ex: 40.D011.06)

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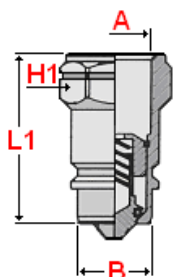
Balflex® Hydraulic Quick Couplings

Balflex® Push-Pull TRACTOR Quick-Action Couplings ISO type A (poppet valve)

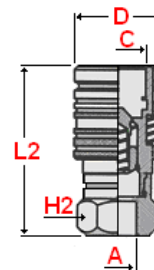
quick-action coupling with push pull action for high pressure hydraulic systems with poppet valve closure detail and female threaded connections

double acting sleeve for one handed push-to-connect operation when coupler is clamp or bulkhead mounted

AGRICULTURAL QUICK COUPLING



40.A001 / 40.A011 - Male



40.P002 / 40.P012 - Female



According to ISO 7241-1 series A
According to ISO 5675

Materials : carbon steel body, zinc plated, with synthetic rubber sealing rings and PTFE holding rings

Threads : female BSP or NPT

Valve closure detail : poppet valve

Maximum operating temperature : + 98°C / + 208°F (other materials for higher temperatures as special features)

Minimum operating temperature : - 20°C / - 4°F (other materials for lower temperatures as special features)

Application : agricultural machinery

part number male	part number female	threaded connection	working pressure		dimensions (mm)						
			bar	PSI	B	H1	L1	C	D	H2	L2

with BSP thread

40.A001.08	40.P002.08	1/2" BSP	300	4350	21	30	58	24	38	30	74
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with NPT thread

40.A011.08	40.P012.08	1/2" NPT	300	4350	21	30	58	24	38	30	74
------------	------------	----------	-----	------	----	----	----	----	----	----	----

note : Also available with UNF or Metric Thread

Repair Kit

Balflex® Push-Pull TRACTOR Quick-Action Coupling ISO type A repair kit	O-Ring - NBR Seal - PTFE	40.AK01.XX
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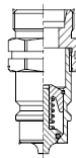
Balfit® Hydraulic Quick Couplings



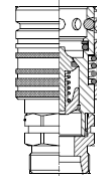
Balfit® Push-Pull TRACTOR Quick-Action Couplings

ISO type A (poppet valve)

quick-action coupling with push pull action for high pressure hydraulic systems with poppet valve closure detail and male threaded connections



40.A131 - Male



40.P132 - Female

According to ISO 7241-1 series A
According to ISO 5675



Materials : carbon steel body, zinc plated, with synthetic rubber sealing rings and PTFE holding rings

Threads : male metric

Valve closure detail : poppet valve

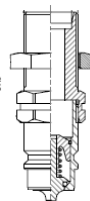
Maximum operating temperature : + 98°C / 208°F (other materials for higher temperatures as special features)

Minimum operating temperature : - 20°C / -4°F (other materials for lower temperatures as special features)

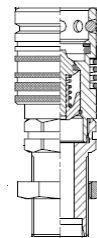
Application : agricultural machinery

Part Number Male	Part Number Female	nom. size	dash size	rated working pressure		dimensions (mm)							
				MPa	PSI	A	B	H1	L1	C	D	H2	L2
40.A131.0816	40.P132.0816	12,5	- 8	25,0	3600	10L	20,5	27	56	23,8	37,8	27	72
40.A131.0818	40.P132.0818	12,5	- 8	25,0	3600	12L	20,5	27	56	23,8	37,8	27	72
40.A131.0822	40.P132.0822	12,5	- 8	25,0	3600	15L	20,5	27	56	23,8	37,8	27	72
40.A131.0826	40.P132.0826	12,5	- 8	25,0	3600	18L	20,5	27	56	23,8	37,8	27	72

quick-action coupling with push pull action for high pressure hydraulic systems with poppet valve closure detail and bulkhead male threaded connections



40.A231 – Male Bulkhead



40.P232 – Female Bulkhead

Part Number Male	Part Number Female	nom. size	dash size	rated working pressure		dimensions (mm)							
				MPa	PSI	A	B	H1	L1	C	D	H2	L2
40.A231.0816	40.P232.0816	12,5	- 8	25,0	3600	10L	20,5	27	68	23,8	37,8	27	84
40.A231.0818	40.P232.0818	12,5	- 8	25,0	3600	12L	20,5	27	68	23,8	37,8	27	84
40.A231.0822	40.P232.0822	12,5	- 8	25,0	3600	15L	20,5	27	68	23,8	37,8	27	84
40.A231.0826	40.P232.0826	12,5	- 8	25,0	3600	18L	20,5	27	68	23,8	37,8	27	84

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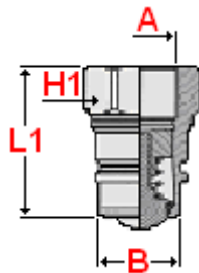


Balflex® Hydraulic Quick Couplings

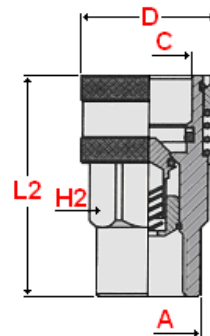
Balflex® AGRI Quick-Action Couplings (ball valve)

quick-action coupling for high pressure hydraulic systems with ball valve closure detail and female threaded connections

AGRICULTURAL QUICK COUPLING



40.A013 / 40.A003 - Male



40.A014 / 40.A004 - Female



Materials : carbon steel body, zinc plated, with synthetic rubber sealing rings and PTFE holding rings

Threads : female NPT or BSP

Valve closure detail : ball valve

Maximum operating temperature : + 98°C / + 208°F (other materials for higher temperatures as special features)

Minimum operating temperature : - 20°C / - 4°F (other materials for lower temperatures as special features)

Application : agricultural machinery

part number male	part number female	threaded connection	working pressure		dimensions (mm)						
			bar	PSI	B	H1	L1	C	D	H2	L2

with NPT thread

40.A013.08	40.A014.08	1/2" NPT	300	4350	21	30	58	24	38	30	74
------------	------------	----------	-----	------	----	----	----	----	----	----	----

with BSP thread

40.A003.08	40.A004.08	1/2" BSP	300	4350	21	30	58	24	38	30	74
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Balflex[®] Hydraulic Quick Couplings



Balfit[®] Quick Coupling Dust Cup

For Agricultural 1/2" quick couplings



40.0002.08 – Female Dust Cup



40.0001.08 – Male Dust Cup

For protect quick coupling males (40.A001.08 and 40.A011.08) For protect quick coupling females (40.P002.08 and 40.P012.08)

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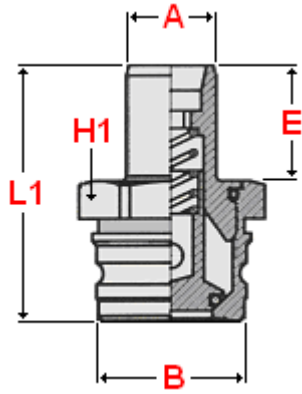
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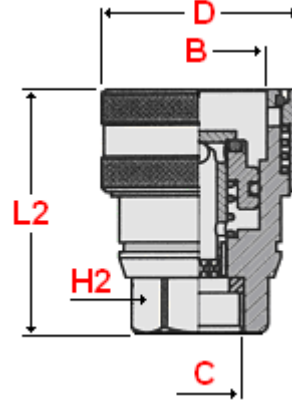
Balflex® Hydraulic Quick Couplings

Balflex® Quick-Action Trailer Brake IFR Couplings

quick-action couplings for high pressure hydraulic systems with flat low spillage closure detail



40.E005 - Male



40.E006 - Female



According to ISO 5676

Materials: carbon steel body, zinc plated, with synthetic rubber sealing rings and PTFE holding rings

Threads : female BSP

Valve closure detail : flat face

Maximum operating temperature : + 98°C / + 208°F (other materials for higher temperatures as special features)

Minimum operating temperature : - 20°C / - 4°F (other materials for lower temperatures as special features)

Application : agricultural machinery brake systems

part number male	nominal size	part number female	nominal size	working pressure		dimensions (mm)						
	A		C	bar	PSI	B	H1	L1	C	D	H2	L2
40.E005.0808	1/2"	40.E006.0806	3/8"	220	3200	30	31	32	59	45	27	55
40.E005.0808	1/2"	40.E006.0808	1/2"	220	3200	30	15	32	43	45	27	55

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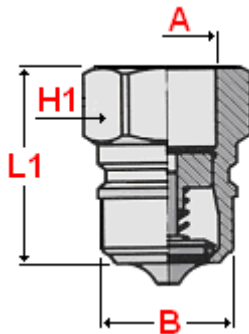
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Balflex® Hydraulic Quick Couplings

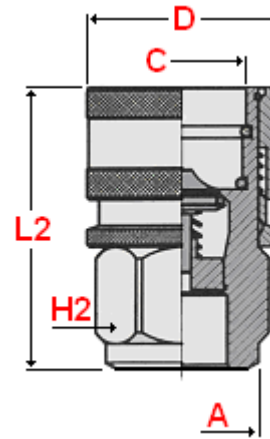


Balflex® Quick-Action High Flow Valve (poppet valve)

quick-action couplings for high flow high pressure hydraulic systems with cone closure detail



40.T001 - Male



40.T002 - Female



Type **TEMA**

Materials : carbon steel body, zinc plated, with synthetic rubber sealing rings

Threads : female BSP

Valve closure detail : poppet valve

Maximum operating temperature : + 98°C / + 208°F (other materials for higher temperatures as special features)

Minimum operating temperature : - 20°C / - 4°F (other materials for lower temperatures as special features)

Application : high flow industrial machinery with limited pressure drop

Special features : security ring that locks the coupling when closed and two sealing rings

part number male	part number female	nom. size	dash size	working pressure		dimensions (mm)							
				bar	PSI	A	B	H1	L1	C	D	H2	L2
40.T001.12	40.T002.12	19	3/4"	250	3600	19,1	32,7	36	56	34,8	52	42	85
40.T001.16	40.T002.16	25	1"	250	3600	25,4	40,7	46	63	43,5	65	55	99

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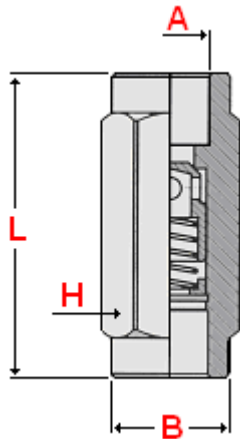
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Balflex® Hydraulic Quick Couplings

Balflex® No Return Valve

no return valve for high pressure hydraulic systems



40.N001 – No Return Valve



Materials: carbon steel body, zinc plated

Threads : female BSP

Valve closure detail : poppet valve

Maximum operating temperature : + 120°C / + 248°F (other materials for higher temperatures as special features)

Minimum operating temperature : - 20°C / - 4°F (other materials for lower temperatures as special features)

Application : high pressure hydraulic lines

part number	nominal size A		working pressure		dimensions (mm)		
	mm	inch	bar	PSI	B	H	L
40.N001.02	3	1/8"	300	4 300	14	14	44
40.N001.04	6	1/4"	300	4 300	19	19	56
40.N001.06	10	3/8"	300	4 300	22	24	70
40.N001.08	12	1/2"	300	4 300	30	30	77
40.N001.12	19	3/4"	300	4 300	35	36	90
40.N001.16	25	1"	300	4 300	45	45	106
40.N001.20	32	1-1/4"	300	4 300	54	55	125
40.N001.24	40	1-1/2"	300	4 300	64	65	140
40.N001.32	50	2"	200	2 900	74	75	160

also available:

Balflex® No Return Valve with NPT thread

(change to '1' the third digit of the type sequence; ex: **40.N011.08**)

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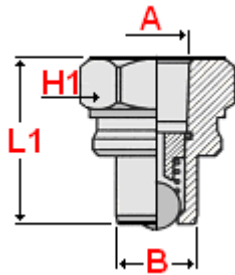
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Balflex® Hydraulic Quick Couplings

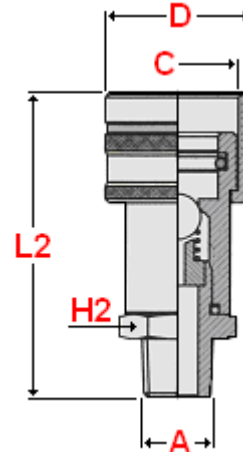


Balflex® HPA Screw Couplings

screw couplings for very high pressure hydraulic systems



40.V013 - Male



40.V114 - Female



Type **ENERPAC**

Materials: carbon steel body, zinc plated

Threads: NPT

Valve closure detail: ball

Maximum operating temperature: + 120°C / + 248°F (other materials for higher temperatures as special features)

Minimum operating temperature: - 20°C / - 4°F (other materials for lower temperatures as special features)

Application: very high pressure hydraulic lines of industrial equipment

part number male	part number female	nominal size A		working pressure		dimensions (mm)						
		mm	inch	bar	PSI	B	H1	L1	C	D	H2	L2
40.V013.04	40.V114.04	6	1/4"	700	10 000	16	27	39	16	30	19	67
40.V013.06	40.V114.06	10	3/8"	700	10 000	19	32	39	19	35	24	74

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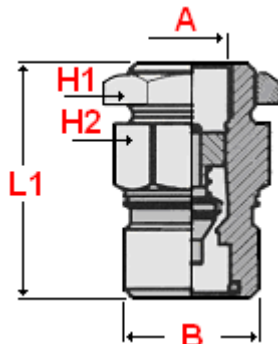
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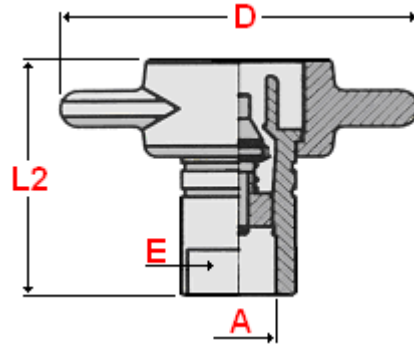
Balflex® Hydraulic Quick Couplings

Balflex® Screw Valves

screwing valves for high pressure hydraulic systems



40.CA01 - Male



40.CA02 - Female



Materials: carbon steel body, zinc plated

Threads : female BSP

Valve closure detail : poppet valve

Maximum operating temperature : + 98°C / + 208°F (other materials for higher temperatures as special features)

Minimum operating temperature : - 20°C / - 4°F (other materials for lower temperatures as special features)

Application : high pressure hydraulic lines of industrial vehicles and agricultural equipment

Special features : connection and disconnection by hand are possible at low pressure

part number male	part number female	nominal size A		working pressure		dimensions (mm)						
		mm	inch	bar	PSI	B	H1	H2	L1	E	L2	D
40.CA01.12	40.CA02.12	19	3/4"	250	3600	44	50	46	78	33	78	117
40.CA01.16	40.CA02.16	25	1"	250	3600	53	50	55	83	40	83	117

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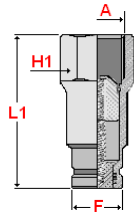
Balflex® – The European Technology

Balflex® Hydraulic Quick Couplings

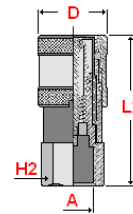


Balflex® Flat Face Quick-Action Couplings ISO 16028

flat face couplings for high pressure hydraulic systems without any fluid leakage



40.F005 / 40.F015 / 40.F025 - Male



40.F006 / 40.F016 / 40.F026 - Female

NON-SPILL COUPLING



According to ISO 16028

Materials: carbon steel body, zinc plated, with synthetic rubber sealing rings and PTFE holding rings

Threads : BSP, NPT, UNF

Valve closure detail : flat face

Maximum operating temperature : + 125°C / + 257°F (other materials for higher temperatures as special features)

Minimum operating temperature : - 25°C / - 13°F (other materials for lower temperatures as special features)

Application : industrial equipment and agricultural equipment

part number male	part number female	thread	working pressure		dimensions (mm)					
			bar	PSI	F	L1	H1	D	L2	H2
40.F005.04	40.F006.04	1/4" BSP	315	4560	16.2	85.5	22	28	85.5	22
40.F005.0406	40.F006.0406	3/8" BSP	315	4560	16.2	85.5	22	28	85.5	22
40.F005.06	40.F006.06	3/8" BSP	300	4350	19.8	116.5	24	32	116.5	27
40.F005.0608	40.F006.0608	1/2" BSP	300	4350	19.8	116.5	24	32	116.5	27
40.F005.08	40.F006.08	1/2" BSP	250	3600	24.5	134.5	27	38	134.5	32
40.F005.0812	40.F006.0812	3/4" BSP	250	3600	24.5	134.5	27	38	134.5	32
40.F005.12	40.F006.12	3/4" BSP	250	3600	27.0	132.0	36	42	132.0	36
40.F005.16	40.F006.16	1" BSP	250	3600	30.0	154.0	45	48	154.0	45
40.F005.20	40.F006.20	1.1/4" BSP	250	3600	36.0	173.0	55	55	173.0	55
40.F005.24	40.F006.24	1.1/2" BSP	200	2900	57.0	215.0	70	80	215.0	65
40.F005.32	40.F006.32	2" BSP	180	2600	73.0	230.0	75	100	230.0	80
40.F015.04	40.F016.04	1/4" NPT	315	4560	16.2	85.5	22	28	85.5	22
40.F015.0406	40.F016.0406	3/8" NPT	315	4560	16.2	85.5	22	28	85.5	22
40.F015.06	40.F016.06	3/8" NPT	300	4350	19.8	116.5	24	32	116.5	27
40.F015.0608	40.F016.0608	1/2" NPT	300	4350	19.8	116.5	24	32	116.5	27
40.F015.08	40.F016.08	1/2" NPT	250	3600	24.5	134.5	27	38	134.5	32
40.F015.0812	40.F016.0812	3/4" NPT	250	3600	24.5	134.5	27	38	134.5	32
40.F015.12	40.F016.12	3/4" NPT	250	3600	27.0	132.0	36	42	132.0	36
40.F015.16	40.F016.16	1" NPT	250	3600	30.0	154.0	45	48	154.0	45
40.F015.20	40.F016.20	1.1/4" NPT	250	3600	36.0	173.0	55	55	173.0	55
40.F015.24	40.F016.24	1.1/2" NPT	200	2900	57.0	215.0	70	80	215.0	65
40.F015.32	40.F016.32	2" NPT	180	2600	73.0	230.0	75	100	230.0	80
40.F025.0608	40.F026.0608	3/4"-16 UNF	300	4350	19.8	116.5	24	32	116.5	27
40.F025.0610	40.F026.0610	7/8"-14 UNF	300	4350	19.8	116.5	24	32	116.5	27
40.F025.08	40.F026.08	3/4"-16 UNF	300	4350	24.5	134.5	27	38	134.5	32
40.F025.0812	40.F026.0812	1.1/16"-12 UNF	250	3600	24.5	134.5	27	38	134.5	32
40.F025.12	40.F026.12	1.1/16"-12 UNF	250	3600	27.0	132.0	36	42	132.0	36
40.F025.16	40.F026.16	1.5/16"-12 UNF	250	3600	30.0	154.0	45	48	154.0	45

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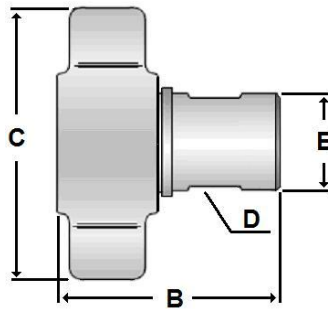
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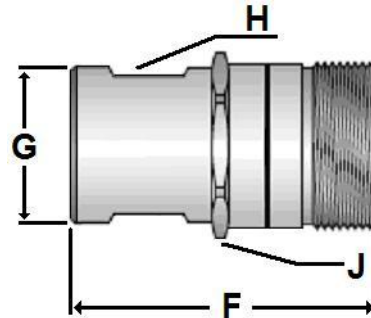
Balflex® Hydraulic Quick Couplings

Balfit® Screw Valves

(screwing valves for high pressure hydraulic systems)



40.S001 – Wing Nut



40.S002 - Nipple



Materials: brass body, zinc plated

Threads : female NPTF

Valve closure detail : poppet valve

Maximum operating temperature : + 120°C / 250°F

Minimum operating temperature : - 4°C / -40°F

Application : Applications include "wet-line-kits" used widely on dump trailers, mobile drilling

Special features : rigs, mining equipment, large mobile equipment, salt spreaders, and chemical transfer units.

Connection and disconnection by hand are possible at low pressure

Part Number Wing Nut	Part Number Nipple	nominal size		rated working pressure*		dimensions (mm)							
		mm	inch	MPa	PSI	B	C	D	E	F	G	H	J
40.S001.12	40.S002.12	19	3/4"	20.7	3000	69	103	29	32	77	35	29	41
40.S001.16	40.S002.16	25	1"	20.7	3000	84	111	36	39	84	44	36	48
40.S001.20	40.S002.20	32	1.1/4"	17.2	2500	93	132	45	48	87	53	48	54

(* Minimum burst pressure is equal to 3 times the rated pressure. Not recommended for continuous hydraulic impulse applications at rated pressure)

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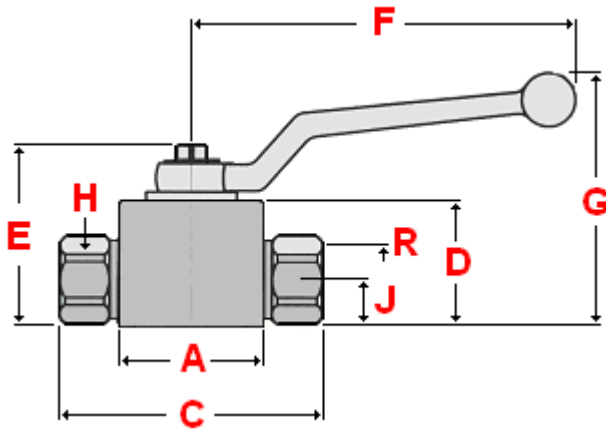
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Balflex® Hydraulic Ball Valves



Balflex® 2-Way Directional Ball Valve - (BKH)

carbon steel ball valve for shut off of high pressure hydraulic lines



40.200B – 2-Way Ball Valve BSP or NPT Female

Directional Scheme:

Function : 2-way ball valve for shut off of hydraulic lines

Materials : carbon steel body, zinc plated; zamak handle, plated

Threads : female BSP or NPT

Maximum operating temperature : + 98°C / + 208°F (other materials for higher temperatures as special features)

Minimum operating temperature : - 0°C / + 32°F (other materials for lower temperatures as special features)

Application : high pressure hydraulic lines, agricultural equipment, mining industry, paint industry

part number	nominal size	working pressure		dimensions (mm)								
	inch	bar	PSI	R	A	C	D	E	F	G	H	J
40.200B.04	1/4"	500	7250	1/4"	40	72	35	47	110	64	22	13
40.200B.06	3/8"	500	7250	3/8"	45	75	40	52	110	69	27	16
40.200B.08	1/2"	500	7250	1/2"	50	85	45	56	110	76	30	18
40.200B.12	3/4"	250	3600	3/4"	60	93	58	75	150	96	41	23
40.200B.16	1"	250	3600	1"	65	114	65	86	150	104	46	28

also available:

Balflex® 2-Way Directional Ball Valve with NPT thread

(change to '1' the third digit of the type sequence; ex: 40.201B.08)

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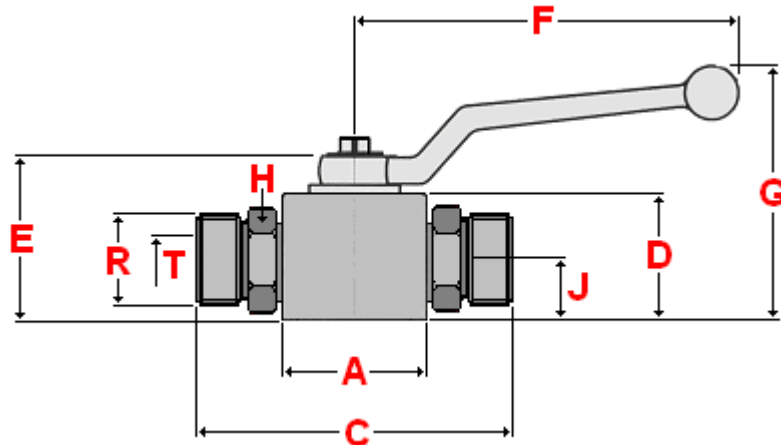
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Balflex[®] Hydraulic Ball Valves

Balflex[®] 2-Way Directional Ball Valve - (BKH)

carbon steel ball valve for shut off of high pressure hydraulic lines



40.202B L / S – 2-Way Ball Valve Metric Male

Directional Scheme: 2 1 2 1

Function : 2-way ball valve for shut off of hydraulic lines

Materials : carbon steel body, zinc plated; zamak handle, plated

Threads : metric male

Maximum operating temperature : + 98°C / + 208°F (other materials for higher temperatures as special features)

Minimum operating temperature : - 0°C / + 32°F (other materials for lower temperatures as special features)

Application : high pressure hydraulic lines, agricultural equipment, mining industry, paint industry

part number	nominal size	working pressure		dimensions (mm)								
		bar	PSI	R	T	C	D	E	F	G	H	J
40.202L.0512	- 5	500	7250	M12x1.5	6L	40	35	45.5	105.5	71	26	13
40.202L.0614	- 6	500	7250	M14x1.5	8L	40	35	45.5	105.5	71	26	13
40.202L.0816	- 8	500	7250	M16x1.5	10L	45	35	50.5	105.5	76	32	16
40.202S.0820	- 8	500	7 250	M20x1.5	12S	45	35	50.5	105.5	76	32	16
40.202S.1324	- 13	500	7 250	M24x1.5	16S	50	45	55.5	105.5	81	35	17.5
40.202S.1330	- 13	250	3 600	M30x2.0	20S	50	45	55.5	105.5	81	35	17.5
40.202S.2036	- 20	250	3 600	M36x2.0	25S	60	58	73	159.5	108	50	23
40.202S.2542	- 25	250	3 600	M42x2.0	30S	65	65	80	159.5	115	57	27.5

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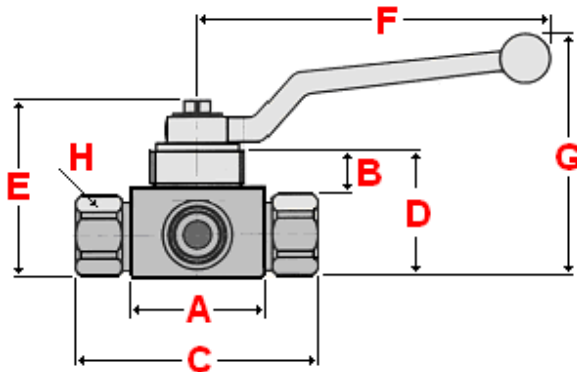
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Balflex® Hydraulic Ball Valves



Balflex® 3-Way Directional Ball Valve

carbon steel ball valve for direction command and shut off of high pressure hydraulic lines



40.3LOC - 3-Way Ball Valve L-shape

with threaded collar

40.3TOC - 3-Way Ball Valve T-shape

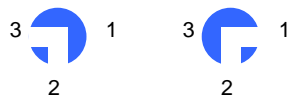
with threaded collar

Directional Scheme:

L-shape

T-shape

always connect
pressure line to 2



Function : 3-way ball valve for direction or shut off of hydraulic lines

Materials : carbon steel body, zinc plated; zamak handle, plated

Threads : Female BSP on ports 3 & 1; male BSP on port 2 (other threads on request)

Maximum operating temperature : + 98°C / + 208°F (other materials for higher temperatures as special features)

Minimum operating temperature : - 0°C / + 32°F (other materials for lower temperatures as special features)

Application : high pressure hydraulic lines, agricultural equipment, mining industry, paint industry

part number	nominal size	working pressure		dimensions (mm)								
		inch	bar	PSI	R	A	B	C	D	E	F	G
40.3LOC.04	1/4"	500	7250	1/4"	40	8	72	35	47	110	64	22
40.3LOC.06	3/8"	500	7 250	3/8"	45	8	75	40	52	110	69	27
40.3LOC.08	1/2"	500	7 250	1/2"	50	10	85	45	56	110	76	30
40.3LOC.12	3/4"	250	3 600	3/4"	60	12	93	58	75	150	96	41
40.3LOC.16	1"	250	3 600	1"	65	12	114	65	86	150	104	46
40.3TOC.04	1/4"	500	7250	1/4"	40	8	72	35	47	110	64	22
40.3TOC.06	3/8"	500	7 250	3/8"	45	8	75	40	52	110	69	27
40.3TOC.08	1/2"	500	7 250	1/2"	50	10	85	45	56	110	76	30
40.3TOC.12	3/4"	250	3 600	3/4"	60	12	93	58	75	150	96	41
40.3TOC.16	1"	250	3 600	1"	65	12	114	65	86	150	104	46

also available:

Balflex® 3-Way Directional Ball Valve with NPT thread

(change to '1' the third digit of the type sequence; ex: 40.3L1C.08 and 40.3L1T.08)

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Balflex® Industrial Couplings



Balflex® Industrial Couplings

Balflex® industrial couplings are designed for use with **Balflex®** industrial hoses.

The range of **Balflex®** industrial couplings is produced according to **Balflex®** and to other widespread industrial specifications. **Balflex®** has optimized the construction of these industrial couplings in order to assure top rated performance, reliability and economy.

The present catalogue comprises:



- cam and groove lock couplings

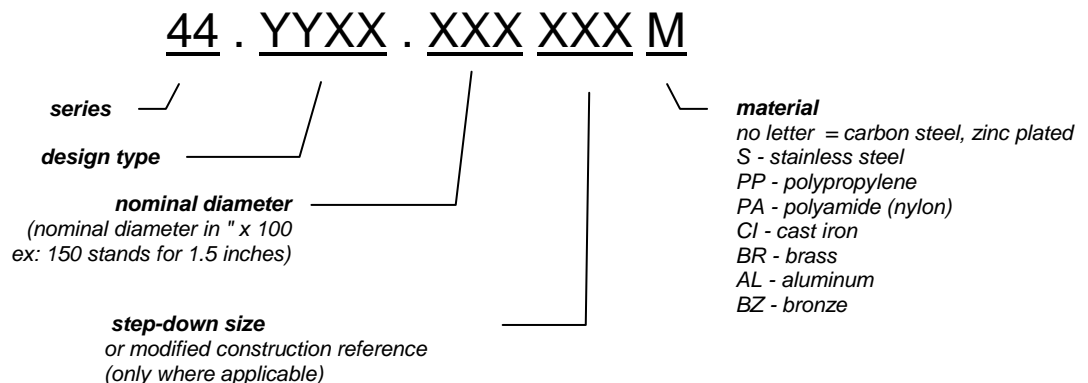


- compressed air lines couplings



- shank type fittings

The **Balflex®** industrial couplings part code is composed of three groups of digits:



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Balflex® Industrial Couplings



Balflex® Cam and Groove Couplings

44.A010 - Balflex® Type A Cam Lock

Male Groove x Female NPT Thread Connection

A



Size	Part Number
1/2"	44.A010.050
3/4"	44.A010.075
1"	44.A010.100
1-1/4"	44.A010.125
1-1/2"	44.A010.150
2"	44.A010.200
2-1/2"	44.A010.250
3"	44.A010.300
4"	44.A010.400
5"	44.A010.500
6"	44.A010.600

materials in carbon steel, zinc plated;
also available in other materials (add the material code letters at the end of the part number: for stainless steel AISI 316 add "S" (ex: 44.A010.050 S); for polypropylene add "PP"; for polyamide (nylon) add "PA"; for cast iron add "CI"; for brass add "BR"; for aluminum add "AL", for bronze add "BZ")

threads all NPT threads; also available with other threads on request

other parts jump sizes, 90° elbows and other modified parts on request

44.B010 - Balflex® Type B Cam Lock

Female Cam Handles x Male NPT Thread Connection

B



Size	Part Number
1/2"	44.B010.050
3/4"	44.B010.075
1"	44.B010.100
1-1/4"	44.B010.125
1-1/2"	44.B010.150
2"	44.B010.200
2-1/2"	44.B010.250
3"	44.B010.300
4"	44.B010.400
5"	44.B010.500
6"	44.B010.600

all females with additional safety pin holes

materials in carbon steel, zinc plated;
also available in other materials (add the material code letters at the end of the part number: for stainless steel AISI 316 add "S" (ex: 44.B010.050 S); for polypropylene add "PP"; for polyamide (nylon) add "PA"; for cast iron add "CI"; for brass add "BR"; for aluminum add "AL", for bronze add "BZ")

threads all NPT threads; also available with other threads on request

other parts jump sizes, 90° elbows and other modified parts on request

44.C010 - Balflex® Type C Cam Lock

Female Cam Handles x Hose Nipple Connection

C



Size	Part Number
1/2"	44.C010.050
3/4"	44.C010.075
1"	44.C010.100
1-1/4"	44.C010.125
1-1/2"	44.C010.150
2"	44.C010.200
2-1/2"	44.C010.250
3"	44.C010.300
4"	44.C010.400
5"	44.C010.500
6"	44.C010.600

all females with additional safety pin holes

materials in carbon steel, zinc plated;
also available in other materials (add the material code letters at the end of the part number: for stainless steel AISI 316 add "S" (ex: 44.C010.050 S); for polypropylene add "PP"; for polyamide (nylon) add "PA"; for cast iron add "CI"; for brass add "BR"; for aluminum add "AL", for bronze add "BZ")

other parts jump sizes, 90° elbows and other modified parts on request

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Balflex® Industrial Couplings

Balflex® Cam and Groove Couplings (cont.)

44.D010 - Balflex® Type D Cam Lock

Female Cam Handles x Female NPT Thread Conn.

D



all females with additional safety pin holes

materials	in carbon steel, zinc plated; also available in other materials (add the material code letters at the end of the part number: for stainless steel AISI 316 add "S" (ex: 44.D010.050 S); for polypropylene add "PP"; for polyamide (nylon) add "PA"; for cast iron add "CI"; for brass add "BR"; for aluminum add "AL", for bronze add "BZ")
threads	all NPT threads; also available with other threads on request
other parts	jump sizes, 90° elbows and other modified parts on request

Size	Part Number
1/2"	44.D010.050
3/4"	44.D010.075
1"	44.D010.100
1-1/4"	44.D010.125
1-1/2"	44.D010.150
2"	44.D010.200
2-1/2"	44.D010.250
3"	44.D010.300
4"	44.D010.400
5"	44.D010.500
6"	44.D010.600

44.E010 - Balflex® Type E Cam Lock

Male Groove x Hose Nipple Connection

E



materials	in carbon steel, zinc plated; also available in other materials (add the material code letters at the end of the part number: for stainless steel AISI 316 add "S" (ex: 44.E010.050 S); for polypropylene add "PP"; for polyamide (nylon) add "PA"; for cast iron add "CI"; for brass add "BR"; for aluminum add "AL", for bronze add "BZ")
other parts	jump sizes, 90° elbows and other modified parts on request

Size	Part Number
1/2"	44.E010.050
3/4"	44.E010.075
1"	44.E010.100
1-1/4"	44.E010.125
1-1/2"	44.E010.150
2"	44.E010.200
2-1/2"	44.E010.250
3"	44.E010.300
4"	44.E010.400
5"	44.E010.500
6"	44.E010.600

44.F010 - Balflex® Type F Cam Lock

Male Groove x Male NPT Thread Connection

F



materials	in carbon steel, zinc plated; also available in other materials (add the material code letters at the end of the part number: for stainless steel AISI 316 add "S" (ex: 44.F010.050 S); for polypropylene add "PP"; for polyamide (nylon) add "PA"; for cast iron add "CI"; for brass add "BR"; for aluminum add "AL", for bronze add "BZ")
threads	all NPT threads; also available with other threads on request
other parts	jump sizes, 90° elbows and other modified parts on request

Size	Part Number
1/2"	44.F010.050
3/4"	44.F010.075
1"	44.F010.100
1-1/4"	44.F010.125
1-1/2"	44.F010.150
2"	44.F010.200
2-1/2"	44.F010.250
3"	44.F010.300
4"	44.F010.400
5"	44.F010.500
6"	44.F010.600

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Balflex® Industrial Couplings



Balflex® Cam and Groove Couplings (cont.)

44.DC10 - Balflex® Type DC Cam Lock

Female Cam Handles Dust Cap

DC



all females with additional safety pin holes

materials

in carbon steel, zinc plated;
also available in other materials (add the material code letters at the end of the part number: for stainless steel AISI 316 add "S" (ex: 44.DC10.050 S); for polypropylene add "PP"; for polyamide (nylon) add "PA"; for cast iron add "CI"; for brass add "BR"; for aluminum add "AL", for bronze add "BZ")

Size	Part Number
1/2"	44.DC10.050
3/4"	44.DC10.075
1"	44.DC10.100
1-1/4"	44.DC10.125
1-1/2"	44.DC10.150
2"	44.DC10.200
2-1/2"	44.DC10.250
3"	44.DC10.300
4"	44.DC10.400
5"	44.DC10.500
6"	44.DC10.600

44.DP10 - Balflex® Type DP Cam Lock

Male Groove Dust Plug

DP



materials

in carbon steel, zinc plated;
also available in other materials (add the material code letters at the end of the part number: for stainless steel AISI 316 add "S" (ex: 44.DP10.050 S); for polypropylene add "PP"; for polyamide (nylon) add "PA"; for cast iron add "CI"; for brass add "BR"; for aluminum add "AL", for bronze add "BZ")

Size	Part Number
1/2"	44.DP10.050
3/4"	44.DP10.075
1"	44.DP10.100
1-1/4"	44.DP10.125
1-1/2"	44.DP10.150
2"	44.DP10.200
2-1/2"	44.DP10.250
3"	44.DP10.300
4"	44.DP10.400
5"	44.DP10.500
6"	44.DP10.600

44.HP10 - Balflex® Cam Lock Handles

Cam Lock Handles for Female Cam Handles Connectors

Handles

materials

add the material code letters at the end of the part number: for stainless steel AISI 304 add "S" (ex: 44.HP10.075 S); for brass add "BR"

other parts

elbow handles; stainless steel and spring steel rings; NBR, EPDM, Viton and Teflon gaskets; pins; clips

Size	Part Number
1/2"	44.HP10.075
3/4"	
1"	
1-1/4"	44.HP10.200
1-1/2"	
2"	
2-1/2"	44.HP10.300
3"	
4"	
5"	44.HP10.600
6"	

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Balflex® Industrial Couplings

Balflex® Combined Nipples

44.KC10 - Balflex® KC Male Nipple

Male NPT Thread x Hose Nipple Connection

KC



Size	Part Number
1/2"	44.KC10.050
3/4"	44.KC10.075
1"	44.KC10.100
1-1/4"	44.KC10.125
1-1/2"	44.KC10.150
2"	44.KC10.200
2-1/2"	44.KC10.250
3"	44.KC10.300
4"	44.KC10.400
5"	44.KC10.500
6"	44.KC10.600

materials

in carbon steel, zinc plated;
also available in other materials (add the material code letters at the end of the part number: for stainless steel AISI 304 add "S" (ex: 44.KC10.050 S); for polypropylene add "PP"; for polyamide (nylon) add "PA"; for cast iron add "CI"; for brass add "BR")

threads

all NPT threads; also available with other threads on request

other parts

unplated carbon steel (oil protected) on request; modified parts on request

44.KM10 - Balflex® KM Hose Mender

Hose Nipple x Hose Nipple Connection

KM



Size	Part Number
1/2"	44.KM10.050
3/4"	44.KM10.075
1"	44.KM10.100
1-1/4"	44.KM10.125
1-1/2"	44.KM10.150
2"	44.KM10.200
2-1/2"	44.KM10.250
3"	44.KM10.300
4"	44.KM10.400
5"	44.KM10.500
6"	44.KM10.600

materials

in carbon steel, zinc plated;
also available in other materials (add the material code letters at the end of the part number: for stainless steel AISI 304 add "S" (ex: 44.KM10.050 S); for polypropylene add "PP"; for polyamide (nylon) add "PA"; for cast iron add "CI"; for brass add "BR")

other parts

unplated carbon steel (oil protected) on request

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Balflex® – The European Technology

Balflex® Industrial Couplings



Balflex® Air Lock Fittings – AMERICAN TYPE

44.HE10 - Balflex® Air Lock Hose End

Air Lock x Hose Nipple Connection

CROWFOOT
HOSE END

two-lug from 1/4" up to 1" / four-lug from 1.1/4" up to 2"



four-lug construction pictured

Size	Part Number
1/4"	44.HE10.014
3/8"	44.HE10.038
1/2"	44.HE10.050
5/8"	44.HE10.063
3/4"	44.HE10.075
1"	44.HE10.100
1-1/4"	44.HE10.125
1-1/2"	44.HE10.150
2"	44.HE10.200

material construction

add the material code letters at the end of the part number: for cast iron add "CI" (ex: 44.HE10.050 CI)
universal two-lug construction up to 1" (see male threaded part shown below); universal four-lug construction for 1-1/4" up to 2" as pictured above

warning

not intended for steam service

44.FE10 - Balflex® Air Lock Female

Air Lock x Female NPT Thread Connection

CROWFOOT
FEMALE

two-lug from 1/4" up to 1" / four-lug from 1.1/4" up to 2"



four-lug construction pictured

Size	Part Number
1/4"	44.FE10.014
3/8"	44.FE10.038
1/2"	44.FE10.050
5/8"	44.FE10.063
3/4"	44.FE10.075
1"	44.FE10.100
1-1/4"	44.FE10.125
1-1/2"	44.FE10.150
2"	44.FE10.200

material construction

add the material code letters at the end of the part number: for cast iron add "CI" (ex: 44.FE10.050 CI)
universal two-lug construction up to 1" (see male threaded part shown below); universal four-lug construction for 1-1/4" up to 2" as pictured above

threads

all NPT threads; also available with other threads on request

warning

not intended for steam service

44.ME10 - Balflex® Air Lock Male

Air Lock x Male NPT Thread Connection

CROWFOOT
MALE

two-lug from 1/4" up to 1" / four-lug from 1.1/4" up to 2"



two-lug construction pictured

Size	Part Number
1/4"	44.ME10.014
3/8"	44.ME10.038
1/2"	44.ME10.050
5/8"	44.ME10.063
3/4"	44.ME10.075
1"	44.ME10.100
1-1/4"	44.ME10.125
1-1/2"	44.ME10.150
2"	44.ME10.200

material construction

add the material code letters at the end of the part number: for cast iron add "CI" (ex: 44.ME10.050 CI)
universal two-lug construction up to 1" (pictured above); universal four-lug construction for 1-1/4" up to 2" as in the female threaded part 44.FA10 above

threads

all NPT threads; also available with other threads on request

warning

not intended for steam service

Balflex® Air Rubber Air Lock Washers – 44.WA10

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Balflex® – The European Technology



Balflex® Industrial Couplings

Balflex® Air Lock Fittings – GERMAN TYPE

44.HE12 - Balflex® Air Lock Hose End

Air Lock x Hose Nipple Connection

HOSE END

two-lug from 1/4" up to 1" / four-lug from 1.1/4" up to 2"



four-lug construction pictured

Size	Part Number
1/4"	44.HE12.014
3/8"	44.HE12.038
1/2"	44.HE12.050
5/8"	44.HE12.063
3/4"	44.HE12.075
1"	44.HE12.100
1-1/4"	44.HE12.125
1-1/2"	44.HE12.150
2"	44.HE12.200

material construction

add the material code letters at the end of the part number: for cast iron add "CI" (ex: 44.HE12.050 CI)
universal two-lug construction up to 1" (see male threaded part shown below); universal four-lug construction for 1-1/4" up to 2" as pictured above

warning

not intended for steam service

44.FE12 - Balflex® Air Lock Female

Air Lock x Female BSPT Thread Connection

FEMALE

two-lug from 1/4" up to 1" / four-lug from 1.1/4" up to 2"



four-lug construction pictured

Size	Part Number
1/4"	44.FE12.014
3/8"	44.FE12.038
1/2"	44.FE12.050
5/8"	44.FE12.063
3/4"	44.FE12.075
1"	44.FE12.100
1-1/4"	44.FE12.125
1-1/2"	44.FE12.150
2"	44.FE12.200

material construction

add the material code letters at the end of the part number: for cast iron add "CI" (ex: 44.FE12.050 CI)
universal two-lug construction up to 1" (see male threaded part shown below); universal four-lug construction for 1-1/4" up to 2" as pictured above

threads

all NPT threads; also available with other threads on request

warning

not intended for steam service

44.ME12 - Balflex® Air Lock Male

Air Lock x Male BSPT Thread Connection

MALE

two-lug from 1/4" up to 1" / four-lug from 1.1/4" up to 2"



two-lug construction pictured

Size	Part Number
1/4"	44.ME12.014
3/8"	44.ME12.038
1/2"	44.ME12.050
5/8"	44.ME12.063
3/4"	44.ME12.075
1"	44.ME12.100
1-1/4"	44.ME12.125
1-1/2"	44.ME12.150
2"	44.ME12.200

material construction

add the material code letters at the end of the part number: for cast iron add "CI" (ex: 44.ME12.050 CI)
universal two-lug construction up to 1" (pictured above); universal four-lug construction for 1-1/4" up to 2" as in the female threaded part 44.FA12 above

threads

all NPT threads; also available with other threads on request

warning

not intended for steam service

Balflex® Air Rubber Air Lock Washers – 44.WA12

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Balflex® Clamps

85.DB01 - Balflex® Double Bolt Clamp

DOUBLE BOLT CLAMP



Ø Range (mm)		Part Number
From	To	
17	22	85.DB01.022
22	29	85.DB01.029
29	34	85.DB01.034
33	40	85.DB01.040
41	49	85.DB01.049
48	60	85.DB01.060
60	87	85.DB01.076
89	94	85.DB01.094
95	115	85.DB01.115

85.0008 / 0013 Balflex® Worm Drive Clamp

WORM DRIVE CLAMP



Ø Range (mm)		Part Number
From	To	
9	13	85.0008.013
10	16	85.0008.016
13	19	85.0008.019
16	25	85.0013.025
19	29	85.0013.029
22	32	85.0013.032
25	38	85.0013.038
32	44	85.0013.044
35	51	85.0013.051
38	57	85.0013.057
44	64	85.0013.064
51	70	85.0013.070
64	76	85.0013.076
70	89	85.0013.089
76	92	85.0013.092
78	101	85.0013.101
91	114	85.0013.114
105	127	85.0013.127
118	140	85.0013.140
130	152	85.0012.152
150	175	85.0013.175
180	200	85.0013.200
200	225	85.0013.225
251	300	85.0013.300

STEEL: 8mm large from model 85.0008.13
to model 85.0008.19

13mm large from model 85.0013.025
to model 85.0013.300

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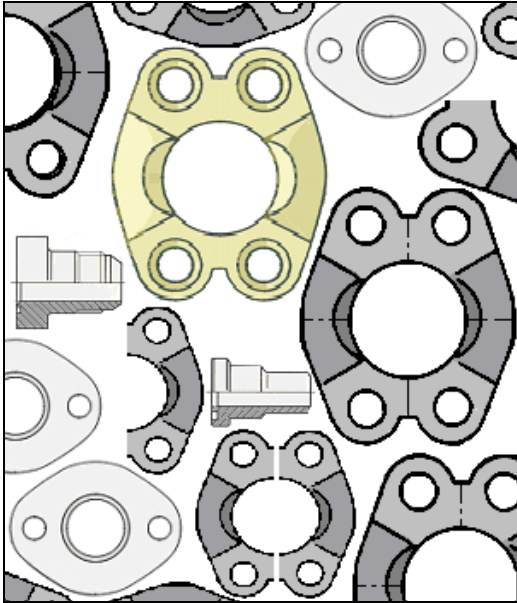
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Balfit[®] SAE Flanged Connections

Balfit[®] SAE Flanges

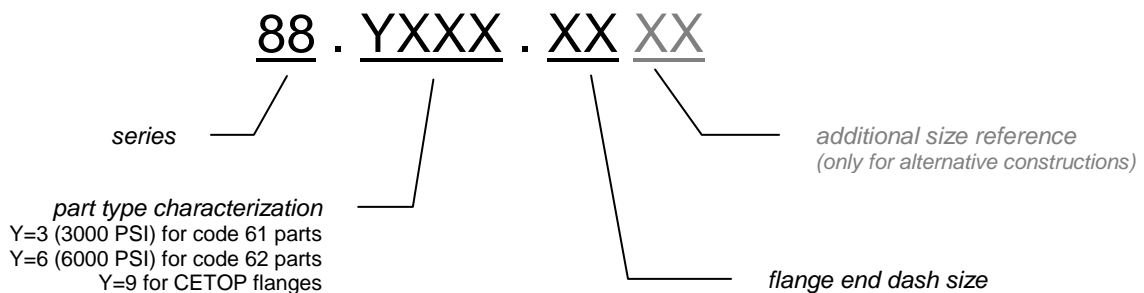


The range of **Balfit[®]** SAE flanges is produced according to **Balflex[®]** specifications and to **ISO 6162, SAE J516 / J518** and other standards. It covers a very wide variety of applications typical of hydraulic pipe pressure lines.

Flanges according to **SAE J516 / J 518** are used on hydraulic systems in many fields (shipbuilding, earth moving machinery, machine tools, etc.). **Balflex[®]** optimized the production of these connectors and their compatibility with a wide range of other types of hydraulic fittings, in order to assure the highest performance and the most extensive range of applications. The **Balfit[®]** flanged connections program in this catalogue includes:

- SAE J518 flange clamps and flanged heads
- SAE J518 flanged adapters (threaded, weld in, weld on)
- CETOP flange clamps and flanged heads

The **Balfit[®]** flanged fittings part code is composed of three groups of digits:



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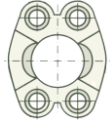
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Balflex[®] – The European Technology

Balfit® SAE Flanged Connections

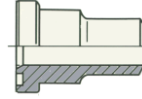


Balfit® SAE Split Flanges



SAE Split Flange Clamps

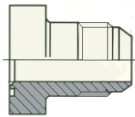
- 88.5300 - Split Flange Clamp Half (Cut)
- 88.5302 - Split Flange Clamp (Uncut)
- 88.3110 - Split Flange Clamp with Threaded Metric Holes
- 88.3120 - Split Flange Clamp with Threaded UNC Holes



SAE Flanged Heads

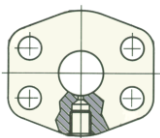
- 88.3200 - Flanged Head for weld-on BSP pipe
- 88.3210 - Flanged Head for weld-on Metric pipe
- 88.3230 - Flanged Head with BSP threaded male connection
- 88.3240 - Flanged Head with Metric threaded male connection

Balfit® SAE Flanges with Threaded Connections



- 88.3300 - BSP female thread (with o-ring groove)
- 88.3301 - BSP female thread counter-flange (without o-ring groove)
- 88.3302 - BSP female thread flat flange
- 88.3303 - BSP female thread 90° elbow flange
- 88.3304 - BSP female thread 90° compact elbow flange
- 88.3310 - NPT female thread (with o-ring groove)
- 88.3311 - NPT female thread counter-flange (without o-ring groove)
- 88.3313 - NPT female thread 90° elbow flange
- 88.3320 - UNF female thread (with o-ring groove)
- 88.3321 - UNF female thread counter-flange (without o-ring groove)
- 88.3323 - UNF female thread 90° elbow flange
- 88.3330 - JIC 37° flared male
- 88.3333 - JIC 37° flared male 90° elbow
- 88.3340 - Metric male thread DIN 3901 24° cone
- 88.3350 - BSP male thread 60° cone
- 88.3360 - UNF o-ring face seal male

Balfit® SAE Flat Flanges



- 88.6600 - Flat Flange with Through Hole
- 88.3610 - Flat Blind Flange
- 88.3601 - SAE Flat Distance Piece with Lateral Hole
- 88.3611 - Flat Blind Counter-Flange

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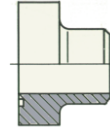
Balfit[®] SAE Flanged Connections

Balfit[®] SAE Flanged Welding Connectors



SAE Flanges with Weld-In Connections

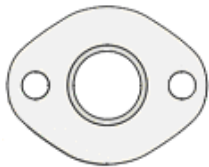
- 88.3400 - BSP tube weld-in flange (with o-ring groove)
- 88.3401 - BSP tube weld-in counter-flange (without o-ring groove)
- 88.3403 - BSP tube weld-in 90° elbow flange
- 88.3404 - BSP tube weld-in 90° compact elbow flange
- 88.3406 - BSP tube weld-in flat flange (with o-ring groove)
- 88.3407 - BSP tube weld-in flat counter-flange (without o-ring groove)
- 88.3410 - Metric tube weld-in flange (with o-ring groove)
- 88.3411 - Metric tube weld-in counter-flange (without o-ring groove)
- 88.3413 - Metric tube weld-in 90° elbow flange



SAE Flanges with Weld-On Connections (30° flared)

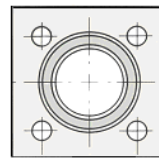
- 88.3500 - BSP tube weld-on flange (with o-ring groove)
- 88.3501 - BSP tube weld-on counter-flange (without o-ring groove)
- 88.3503 - BSP tube weld-on 90° elbow flange (with o-ring groove)
- 88.3510 - Metric tube weld-on flange (with o-ring groove)
- 88.3511 - Metric tube weld-on counter-flange (without o-ring groove)

Balfit[®] Other Flanges



Other Flanges

- 88.7710 - Oval Flanges with through hole
- 88.7720 - Round flat flange with BSP threaded hole
- 88.7721 - Round flange with internal BSP thread connection
- 88.7722 - Round flange with external BSP thread connection
- 88.7723 - Round flange with weld on connection
- 88.7740 - Square flange with DIN 24 ° cone male thread
- 88.7743 - Square flange 90° elbow with DIN 24 ° cone male thread



CETOP Flanges

- 88.9300 - Square CETOP flat flange
- 88.9310 - Weld on CETOP flanged head adapter
- 88.9320 - CETOP blind adapter

Notes

All SAE flange references repeated for 6000 PSI (code 62) flanges; change the second digit of the part number from 3 to 6

Balfit[®] flanges are made from St 52.3 steel forged parts. Upon request the same parts are available in AISI 316L stainless steel (add an "S" at the end of the part number).

O-Rings and screws must be ordered separately. Screws are only available in carbon steel. O-Rings are available in NBR (working temperature up to +98°C) and Vytan (working temperature up to +200°C)

Important notice

Selection, assembly and installation of hydraulic lines require specific professional training. This catalogue only supplies additional information and technical data for selection and use of Balfit flanged connectors.

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Balfit® SAE Flanged Connections

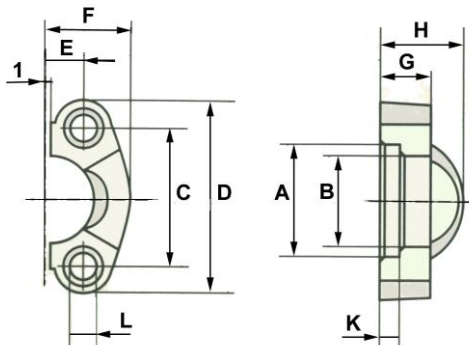


Balfit® 3000 PSI Split Flange Clamp Half – 88.5300

carbon steel split flange clamp half (cut), for 3000 PSI (code 61) hydraulic lines

Balfit® 6000 PSI Split Flange Clamp Half – 88.5600

carbon steel split flange clamp half (cut), for 6000 PSI (code 62) hydraulic lines



According to **ISO 6162** According to **SAE J518**

Material: Forged carbon steel

Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)										for bolts	
	inch		bar	A	B	C	D	E	F	G	H	K	L	M
88.5300.08	1/2	345	31	24	38	54	9	23	13	19	6	9	M8	5/16
88.5300.12	3/4	345	39	32	48	65	11	26	14	22	6	11	M10	3/8
88.5300.16	1	345	45	38	52	70	13	29	16	24	7	11	M10	3/8
88.5300.20	1.1/4	276	52	44	59	79	15	36	14	22	7	12	M10	7/16
88.5300.2011	1.1/4	276	52	44	59	79	15	36	14	22	7	11	M10	3/8
88.5300.2013	1.1/4	276	52	44	59	79	15	36	14	22	7	13	M12	7/16
88.5300.2415	1.1/2	207	61	51	70	94	18	41	16	25	7	15	M14	1/2
88.5300.32	2	207	72	63	78	102	21	48	16	26	9	14	M12	1/2
88.5300.3214	2	207	72	63	78	102	21	48	16	26	9	15	M14	1/2
88.5300.40	2-1/2	172	85	75	89	114	25	54	19	38	9	14	M12	1/2

88.5600.08	1/2	420	33	25	41	56	9	24	16	22	7	9	M8	5/16
88.5600.12	3/4	420	42	33	51	71	12	30	19	28	8	11	M10	3/8
88.5600.16	1	420	48	39	57	81	14	35	24	33	9	13	M12	7/16
88.5600.20	1.1/4	420	55	44	67	95	16	39	27	38	10	15	M14	1/2
88.5600.24	1.1/2	420	64	52	79	113	18	48	30	43	12	17	M16	5/8
88.5600.32	2	420	80	68	97	133	22	57	37	52	12	21	M20	3/4

also available:

Balfit® Stainless Steel Split Flange Clamp Half (Cut)

(add an "S" at the end of the part number: ex: 88.5300.08 S)

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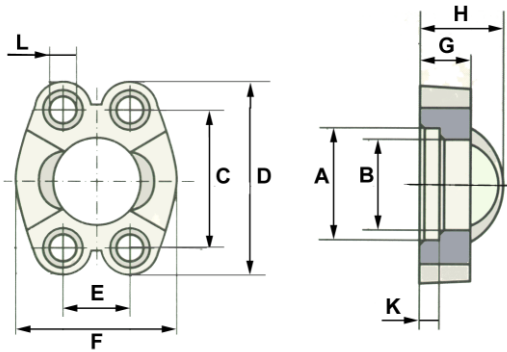
Balfit[®] SAE Flanged Connections

Balfit[®] 3000 PSI Split Flange Clamp – 88.5302

carbon steel split flange clamp (uncut), for 3000 PSI (code 61) hydraulic lines

Balfit[®] 6000 PSI Split Flange Clamp – 88.5602

carbon steel split flange clamp (uncut), for 6000 PSI (code 62) hydraulic lines



According to **ISO 6162** According to **SAE J518**

Material: Forged carbon steel

Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)										for bolts	
	inch		A	B	C	D	E	F	G	H	K	L	M	UNC
88.5302.08	1/2	345	31	24	38	54	17	46	13	19	6	9	M8	5/16
88.5302.12	3/4	345	39	32	48	65	22	52	14	22	6	11	M10	3/8
88.5302.16	1	345	45	38	52	70	26	58	16	24	7	11	M10	3/8
88.5302.20	1.1/4	276	52	44	59	79	30	73	14	22	7	12	M10	3/8
88.5302.2013	1.1/4	276	52	44	59	79	30	73	14	22	7	13	M10	3/8
88.5302.24	1.1/2	207	61	51	70	94	36	82	16	25	7	14	M12	1/2
88.5302.32	2	207	72	63	78	102	43	96	16	26	9	14	M12	1/2
88.5302.40	2-1/2	172	85	75	89	114	51	108	19	38	9	14	M12	1/2
88.5602.08	1/2	420	33	25	41	56	18	47	16	22	7	9	M8	5/16
88.5602.12	3/4	420	42	33	51	71	24	60	19	28	8	11	M10	3/8
88.5602.16	1	420	48	39	57	81	28	70	24	33	9	13	M12	7/16
88.5602.20	1.1/4	420	55	44	67	95	32	77	27	38	10	15	M14	1/2
88.5602.24	1.1/2	420	64	52	79	113	37	95	30	43	12	17	M16	5/8
88.5602.32	2	420	80	68	97	133	44	114	37	52	12	21	M20	3/4

also available:

- Balfit[®] Stainless Steel Split Flange Clamp (Uncut)

(add an "S" at the end of the part number: ex: 88.5302.08 S)

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Balfit® SAE Flanged Connections

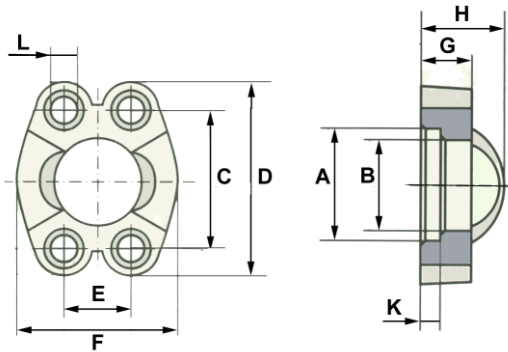


Balfit® 3000 PSI Split Flange Clamp w/ Threaded Holes 88.3110 / 88.3120

carbon steel split flange clamp (uncut), for 3000 PSI (code 61) hydraulic lines, with Metric (88.3110) or UNF (88.3120) threaded holes

Balfit® 6000 PSI Split Flange Clamp w/ Threaded Holes 88.6110 / 88.6120

carbon steel split flange clamp (uncut), for 6000 PSI (code 62) hydraulic lines, with Metric (88.6110) or UNF (88.6120) threaded holes



According to **ISO 6162** According to **SAE J518**

Material: Forged carbon steel
Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)									Threaded holes L for part numbers	
	inch		bar	A	B	C	D	E	F	G	H	K	88.-110
88.31-0.08	1/2	345	31	24	38	54	17	46	13	19	6	M8	5/16
88.31-0.12	3/4	345	39	32	48	65	22	52	14	22	6	M10	3/8
88.31-0.16	1	345	45	38	52	70	26	58	16	24	7	M10	3/8
88.31-0.20	1.1/4	276	52	44	59	79	30	73	14	22	7	M10	7/16
88.31-0.24	1.1/2	207	61	51	70	94	36	82	16	25	7	M12	1/2
88.31-0.32	2	207	72	63	78	102	43	96	16	26	9	M12	1/2
88.31-0.40	2-1/2	172	85	75	89	114	51	108	19	38	9	M12	1/2

88.61-0.08	1/2	420	33	25	41	56	18	47	16	22	7	M8	5/16
88.61-0.12	3/4	420	42	33	51	71	24	60	19	28	8	M10	3/8
88.61-0.16	1	420	48	39	57	81	28	70	24	33	9	M12	7/16
88.61-0.20	1.1/4	420	55	44	67	95	32	77	27	38	10	M14	1/2
88.61-0.24	1.1/2	420	64	52	79	113	37	95	30	43	12	M16	5/8
88.61-0.32	2	420	80	68	97	133	44	114	37	52	12	M20	3/4

also available:

Balfit® Stainless Steel Split Flange Clamp w/ Threaded Holes (add an "S" at the end of the part number: ex: 88.3110.08 S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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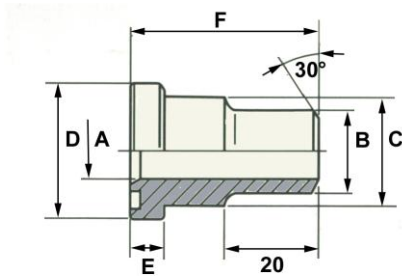
Balfit[®] SAE Flanged Connections

Balfit[®] 3000 PSI Flanged Head for Weld-On BSP Pipe – 88.3200

carbon steel flanged head for 3000 PSI (code 61) hydraulic lines, with weld-on connection for BSP pipe

Balfit[®] 6000 PSI Flanged Head for Weld-On BSP Pipe – 88.6200

carbon steel flanged head for 6000 PSI (code 62) hydraulic lines, with weld-on connection for BSP pipe



According to **ISO 6162** According to **SAE J518**

Material: Forged carbon steel

Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)					
	inch	bar	A	B (GAS)	C	D	E	F
88.3200.08	1/2	345	13	1/2	24	30	7	41
88.3200.12	3/4	345	19	3/4	32	38	7	50
88.3200.16	1	345	25	1	38	44	8	50
88.3200.20	1.1/4	276	32	1.1/4	43	51	8	55
88.3200.24	1.1/2	207	38	1.1/2	50	60	8	57
88.3200.32	2	207	51	2	51	71	10	57
88.6200.08	1/2	414	13	1/2	24	32	8	34
88.6200.12	3/4	414	19	3/4	32	41	9	38
88.6200.16	1	414	25	1	38	48	10	40
88.6200.20	1.1/4	414	32	1.1/4	44	54	10	45
88.6200.24	1.1/2	414	38	1.1/2	51	64	13	50
88.6200.32	2	414	51	2	67	79	13	58

also available:

Balfit[®] Stainless Steel Flanged Head for Weld-On BSP Pipe

(add an "S" at the end of the part number: ex: 88.3200.08 S)

Balfit[®] Flanged Head for Weld-On Metric Pipe

(change to 1 the third digit of the part number: ex: 88.3210.08; also available in stainless steel)

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Balfit[®] SAE Flanged Connections

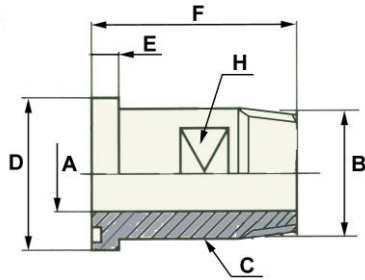


Balfit[®] 3000 PSI Flanged Head with BSPT Thread – 88.3230

carbon steel flanged head for 3000 PSI (code 61) hydraulic lines, with BSP taper male thread connection

Balfit[®] 6000 PSI Flanged Head with BSPT Thread – 88.6230

carbon steel flanged head for 6000 PSI (code 62) hydraulic lines, with BSP taper male thread connection



According to **ISO 6162** According to **SAE J518**

Material: Forged carbon steel
Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)						
	inch		A	B (BSPT)	C	D	E	F	H (flat)
88.3230.08	1/2	345	12	1/2	24	30	7	50	19
88.3230.12	3/4	345	17	3/4	32	38	7	55	27
88.3230.16	1	345	22	1	38	44	8	60	32
88.3230.20	1.1/4	276	27	1.1/4	43	51	8	65	41
88.3230.24	1.1/2	207	32	1.1/2	50	60	8	70	46
88.3230.32	2	207	40	2	62	71	10	75	55

88.6230.08	1/2	414	12	1/2	24	32	8	50	19
88.6230.12	3/4	414	17	3/4	32	41	9	60	26
88.6230.16	1	414	22	1	38	48	10	70	32
88.6230.20	1.1/4	414	27	1.1/4	44	54	10	75	36
88.6230.24	1.1/2	414	32	1.1/2	51	63	13	80	41
88.6230.32	2	414	40	2	67	79	13	90	55

also available:

Balfit[®] Stainless Steel Flanged Head with BSPT Thread

(add an "S" at the end of the part number: ex: 88.3230.08 S)

Balfit[®] Flanged Head with Metric Thread

(change to 4 the third digit of the part number: ex: 88.3240.08; also available in stainless steel)

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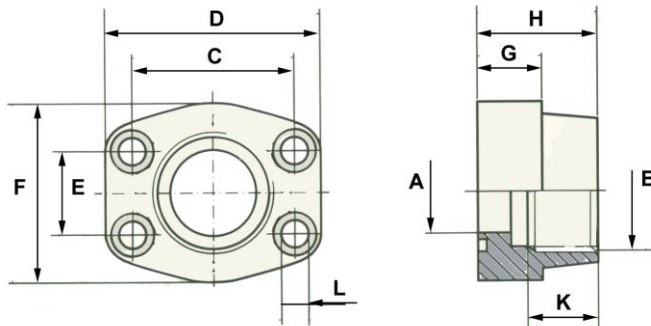
Balfit[®] SAE Flanged Connections

Balfit[®] 3000 PSI Flange with BSP Thread – 88.3300

carbon steel flange for 3000 PSI (code 61) hydraulic lines, with BSP female threaded connection

Balfit[®] 6000 PSI Flange with BSP Thread – 88.6300

carbon steel flange for 6000 PSI (code 62) hydraulic lines, with BSP female threaded connection



According to **ISO 6162** According to **SAE J518**

Material: Forged carbon steel

Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)										for bolts	
	inch		A	B (GAS)	C	D	E	F	G	H	K	L	M	UNC
88.3300.08	1/2	345	13	1/2	38	57	17	46	16	36	19	9	M8	5/16
88.3300.0806	1/2	345	13	3/8	38	57	17	46	16	36	19	9	M8	5/16
88.3300.12	3/4	345	19	3/4	48	65	22	50	18	36	19	11	M10	3/8
88.3300.1208	3/4	345	13	1/2	48	65	22	50	18	36	19	11	M10	3/8
88.3300.16	1	345	25	1	52	70	26	55	18	38	22	11	M10	3/8
88.3300.1612	1	345	19	3/4	52	70	26	55	21	35	19	11	M10	3/8
88.3300.20	1.1/4	276	32	1.1/4	59	79	30	68	21	41	22	12	M10	7/16
88.3300.2016	1.1/4	276	25	1	59	81	30	65	25	42	22	12	M10	7/16
88.3300.24	1.1/2	207	38	1.1/2	70	93	36	78	25	45	24	14	M12	1/2
88.3300.2420	1.1/2	207	32	1.1/4	70	95	36	78	27	45	24	14	M12	1/2
88.3300.32	2	207	51	2	78	102	43	90	25	45	30	14	M12	1/2
88.3300.3224	2	207	38	1.1/2	78	102	43	90	25	45	26	14	M12	1/2

88.6300.08	1/2	414	13	1/2	40	57	18	46	16	36	19	9	M8	5/16
88.6300.12	3/4	414	19	3/4	51	71	24	55	21	35	19	11	M10	3/8
88.6300.16	1	414	25	1	57	81	28	65	25	42	22	13	M12	7/16
88.6300.20	1.1/4	414	32	1.1/4	67	95	32	78	27	45	23	15	M14	1/2
88.6300.24	1.1/2	414	38	1.1/2	79	112	37	94	30	50	26	17	M16	5/8
88.6300.32	2	414	51	2	96	134	44	114	37	65	30	21	M20	3/4

also available:

Balfit[®] Stainless Steel Flange with BSP thread

(add an "S" at the end of the part number: ex: 88.3300.08 S)

Balfit[®] Counter-Flange with BSP thread (without o-ring groove)

(change to 1 the 5th digit of the part number: ex: 88.3301.08)

Balfit[®] 90° Elbow Flange with BSP thread

(change to 3 the 5th digit of the part number: ex: 88.3303.08)

Construction characteristics and dimensions may be changed at any time without prior notice.

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Balfit® SAE Flanged Connections

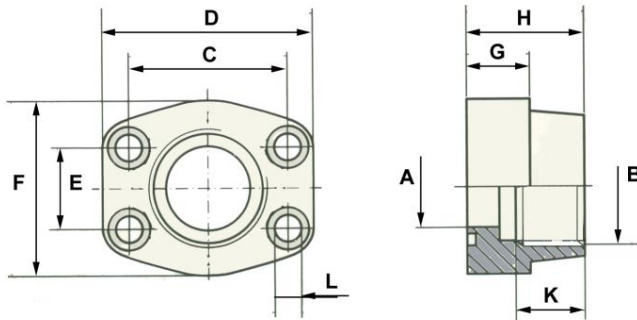


Balfit® 3000 PSI Flange with NPT Thread – 88.3310

carbon steel flange for 3000 PSI (code 61) hydraulic lines, with NPT female threaded connection

Balfit® 6000 PSI Flange with NPT Thread – 88.6310

carbon steel flange for 6000 PSI (code 62) hydraulic lines, with NPT female threaded connection



According to **ISO 6162** According to **SAE J518**

Material: Forged carbon steel

Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)										for bolts	
	inch		A	B (NPT)	C	D	E	F	G	H	K	L	M	UNC
88.3310.08	1/2	345	13	1/2	38	57	17	46	16	36	19	9	M8	5/16
88.3310.0806	1/2	345	13	3/8	38	57	17	46	16	36	19	9	M8	5/16
88.3310.12	3/4	345	19	3/4	48	65	22	50	18	36	19	11	M10	3/8
88.3310.1208	3/4	345	13	1/2	48	65	22	50	18	36	19	11	M10	3/8
88.3310.16	1	345	25	1	52	70	26	55	18	38	22	11	M10	3/8
88.3310.1612	1	345	19	3/4	52	70	26	55	21	35	19	11	M10	3/8
88.3310.20	1.1/4	276	32	1.1/4	59	79	30	68	21	41	22	12	M10	7/16
88.3310.2016	1.1/4	276	25	1	59	81	30	65	25	42	22	12	M10	7/16
88.3310.24	1.1/2	207	38	1.1/2	70	93	36	78	25	45	24	14	M12	1/2
88.3310.2420	1.1/2	207	32	1.1/4	70	95	36	78	27	45	24	14	M12	1/2
88.3310.32	2	207	51	2	78	102	43	90	25	45	30	14	M12	1/2
88.3310.3224	2	207	38	1.1/2	78	102	43	90	25	45	26	14	M12	1/2

88.6310.08	1/2	414	13	1/2	40	57	18	46	16	36	19	9	M8	5/16
88.6310.12	3/4	414	19	3/4	51	71	24	55	21	35	19	11	M10	3/8
88.6310.16	1	414	25	1	57	81	28	65	25	42	22	13	M12	7/16
88.6310.20	1.1/4	414	32	1.1/4	67	95	32	78	27	45	23	15	M14	1/2
88.6310.24	1.1/2	414	38	1.1/2	79	112	37	94	30	50	26	17	M16	5/8
88.6310.32	2	414	51	2	96	134	44	114	37	65	30	21	M20	3/4

also available:

Balfit® Stainless Steel Flange with NPT thread

(add an "S" at the end of the part number: ex: 88.3310.08 S)

Balfit® Counter-Flange with NPT thread (without o-ring groove)

(change to 1 the 5th digit of the part number: ex: 88.3311.08)

Balfit® 90° Elbow Flange with NPT thread

(change to 3 the 5th digit of the part number: ex: 88.3313.08)

Construction characteristics and dimensions may be changed at any time without prior notice.

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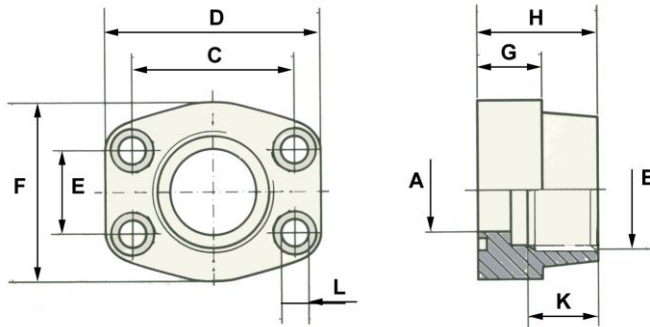
Balfit[®] SAE Flanged Connections

Balfit[®] 3000 PSI Flange with UNF Thread – 88.3320

carbon steel flange for 3000 PSI (code 61) hydraulic lines, with UN parallel female threaded connection

Balfit[®] 6000 PSI Flange with UNF Thread – 88.6320

carbon steel flange for 6000 PSI (code 62) hydraulic lines, with UN parallel female threaded connection



According to **ISO 6162** According to **SAE J518**

Material: Forged carbon steel

Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)										for bolts	
	inch		bar	A	B (UNF)	C	D	E	F	G	H	K	L	M
88.3320.08	1/2	345	13	3/4	38	57	17	46	16	36	19	9	M8	5/16
88.3320.12	3/4	345	19	1-1/16	48	65	22	50	18	36	23	11	M10	3/8
88.3320.16	1	345	25	1-5/16	52	70	26	55	18	38	23	11	M10	3/8
88.3320.20	1.1/4	276	32	1-5/8	59	79	30	65	21	41	23	12	M10	7/16
88.3320.24	1.1/2	207	38	1-7/8	70	93	36	78	25	45	23	14	M12	1/2
88.6320.08	1/2	414	13	3/4	40	57	18	46	16	36	17	9	M8	5/16
88.6320.12	3/4	414	19	1-1/16	51	71	24	55	21	35	23	11	M10	3/8
88.6320.16	1	414	25	1-5/16	57	81	28	65	25	42	23	13	M12	7/16
88.6320.20	1.1/4	414	32	1-5/8	67	95	32	78	27	45	23	15	M14	1/2
88.6320.24	1.1/2	414	38	1-7/8	79	112	37	94	30	50	23	17	M16	5/8

also available:

Balfit[®] Stainless Steel Flange with UNF parallel thread

(add an "S" at the end of the part number: ex: 88.3320.08 S)

Balfit[®] Counter-Flange with UNF parallel thread (without o-ring groove)

(change to 1 the 5th digit of the part number: ex: 88.3321.08)

Balfit[®] 90° Elbow Flange with UNF parallel thread

(change to 3 the 5th digit of the part number: ex: 88.3323.08)

Construction characteristics and dimensions may be changed at any time without prior notice.

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Balfit® SAE Flanged Connections

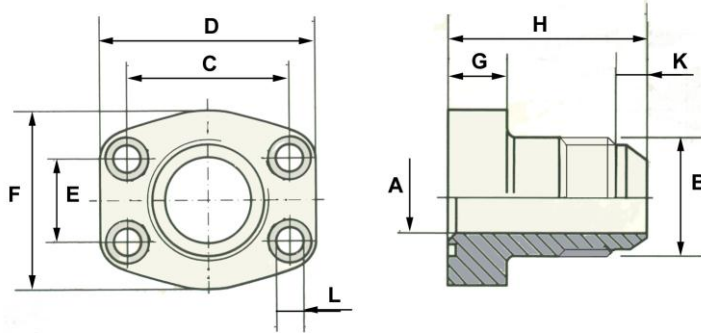


Balfit® 3000 PSI Flange with JIC Male Thread – 88.3330

carbon steel flange for 3000 PSI (code 61) hydraulic lines, with JIC 37° male threaded connection

Balfit® 6000 PSI Flange with JIC Male Thread – 88.6330

carbon steel flange for 6000 PSI (code 62) hydraulic lines, with JIC 37° male threaded connection



According to **ISO 6162** According to **SAE J518**

Material: Forged carbon steel
Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)										for bolts	
	inch		bar	A	B (UNF)	C	D	E	F	G	H	K	L	M
88.3330.08	1/2	345	10	3/4	38	54	17	46	13	52	6	9	M8	5/16
88.3330.0810	1/2	345	12	7/8	38	54	17	46	13	52	8	9	M8	5/16
88.3330.12	3/4	345	16	1-1/16	48	65	22	50	14	60	8	12	M10	3/8
88.3330.16	1	345	22	1-5/16	52	70	26	55	16	63	8	12	M10	3/8
88.3330.20	1.1/4	276	28	1-5/8	59	79	30	68	14	65	9	12	M10	7/16
88.3330.24	1.1/2	207	33	1-7/8	70	94	36	78	16	70	10	14	M12	1/2

88.6330.08	1/2	414	10	3/4	40	56	18	48	16	60	6	9	M8	5/16
88.6330.0810	1/2	414	12	7/8	40	56	18	48	16	60	7	9	M10	5/16
88.6330.12	3/4	414	16	1-1/16	51	71	24	60	19	73	8	12	M12	3/8
88.6330.16	1	414	22	1-5/16	57	81	28	70	24	82	8	13	M14	7/16
88.6330.20	1.1/4	414	28	1-5/8	67	95	32	78	27	92	9	15	M16	1/2
88.6330.24	1.1/2	414	33	1-7/8	79	113	37	95	30	96	10	18	M20	5/8

also available:

Balfit® Stainless Steel Flange with JIC Male Thread

(add an "S" at the end of the part number: ex: 88.3330.08 S)

Balfit® 90° Elbow Flange with JIC Male Thread

(change to "3" the 5th digit of the part number: ex: 88.3333.08; also available in stainless steel)

Balfit® Flange with Metric 24° Cone Male Thread

(change to "4" the 4th digit of the part number: ex: 88.3340.08; also available in stainless steel)

Balfit® Flange with BSP 60° Cone Male Thread

(change to "5" the 4th digit of the part number: ex: 88.3350.08; also available in stainless steel)

Balfit® Flange with UNF O-Ring face Seal Male Thread

(change to "6" the 4th digit of the part number: ex: 88.3360.08; also available in stainless steel)

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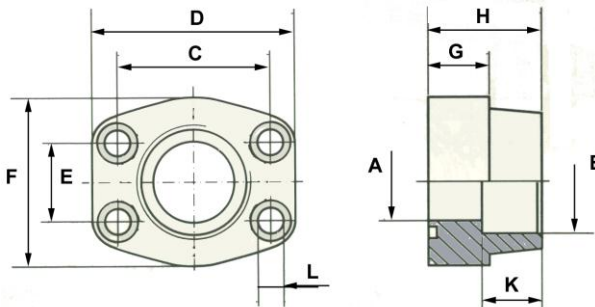
Balfit[®] SAE Flanged Connections

Balfit[®] 3000 PSI Weld-In Flange for BSP Pipe – 88.3400

carbon steel flange for 3000 PSI (code 61) hydraulic lines, with BSP pipe weld-in connection

Balfit[®] 6000 PSI Weld-In Flange for BSP Pipe – 88.6400

carbon steel flange for 6000 PSI (code 62) hydraulic lines, with BSP pipe weld-in connection



According to **ISO 6162** According to **SAE J518**

Material: Forged carbon steel

Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)										for bolts	
	inch		bar	A	B	C	D	E	F	G	H	K	L	M
88.3400.08	1/2	345	13	21,6	38	57	17	46	16	36	19	9	M8	5/16
88.3400.0806	1/2	345	13	17,5	38	57	17	46	16	36	19	9	M8	5/16
88.3400.12	3/4	345	19	27,2	48	65	22	50	18	36	19	11	M10	3/8
88.3400.16	1	345	25	34,0	52	70	26	55	18	38	19	11	M10	3/8
88.3400.20	1.1/4	276	32	42,8	59	79	30	68	21	41	21	12	M10	7/16
88.3400.24	1.1/2	207	38	48,6	70	93	36	78	25	45	25	14	M12	1/2
88.3400.32	2	207	51	61,0	78	102	43	90	25	45	25	14	M12	1/2

88.6400.08	1/2	414	13	21,6	40	57	18	46	16	36	19	9	M8	5/16
88.6400.0806	1/2	414	13	17,5	40	57	18	46	16	36	19	9	M8	5/16
88.6400.12	3/4	414	19	27,2	51	71	24	55	21	35	22	11	M10	3/8
88.6400.16	1	414	25	34,0	57	81	28	65	25	42	22	13	M12	7/16
88.6400.20	1.1/4	414	32	42,8	67	95	32	78	27	45	25	15	M14	1/2
88.6400.24	1.1/2	414	32	42,8	67	95	32	78	27	45	25	15	M14	1/2
88.6400.32	2	414	38	48,6	79	112	37	94	30	50	28	17	M16	5/8

also available:

Balfit[®] Stainless Steel Weld-In Flange for BSP pipe

(add an "S" at the end of the part number: ex: 88.3400.08 S)

Balfit[®] Weld-In Counter-Flange for BSP pipe (without o-ring groove)

(change to 1 the 5th digit of the part number: ex: 88.3401.08; also available in stainless steel)

Balfit[®] Weld-In 90° Elbow Flange for BSP pipe

(change to 3 the 5th digit of the part number: ex: 88.3403.08; also available in stainless steel)

Balfit[®] Weld-In Flange for Metric pipe

(change to 1 the 4th digit of the part number: ex: 88.3410.08; also available in stainless steel)

Balfit[®] Weld-In Counter-Flange and 90° Elbow Flange for Metric pipe

(also available in stainless steel)

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Balfit® SAE Flanged Connections

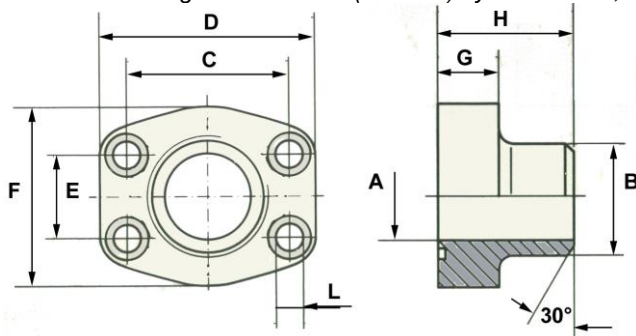


Balfit® 3000 PSI Weld-On Flange for BSP Pipe – 88.3500

carbon steel flange for 3000 PSI (code 61) hydraulic lines, with BSP pipe weld-on connection

Balfit® 6000 PSI Weld-On Flange for BSP Pipe – 88.6500

carbon steel flange for 6000 PSI (code 62) hydraulic lines, with BSP pipe weld-on connection



According to **ISO 6162** According to **SAE J518**

Material: Forged carbon steel

Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)									for bolts	
	inch		A	B	C	D	E	F	G	H	L	M	UNC
88.3500.08	1/2	345	13	21,5	38	57	17	46	16	36	9	M8	5/16
88.3500.0806	1/2	345	13	17,5	38	57	17	46	16	36	9	M8	5/16
88.3500.12	3/4	345	19	28,0	48	65	22	50	18	36	11	M10	3/8
88.3500.16	1	345	25	34,0	52	70	26	55	18	38	11	M10	3/8
88.3500.20	1.1/4	276	32	42,8	59	79	30	68	21	41	12	M10	7/16
88.3500.24	1.1/2	207	38	48,6	70	93	36	78	25	44	14	M12	1/2
88.3500.32	2	207	51	61,0	78	102	43	90	25	45	14	M12	1/2
88.6500.08	1/2	414	13	21,5	40	57	18	46	16	36	9	M8	5/16
88.6500.0806	1/2	414	13	17,5	40	57	18	46	16	36	9	M8	5/16
88.6500.12	3/4	414	19	28,0	51	71	24	55	21	35	11	M10	3/8
88.6500.16	1	414	25	34,0	57	79	28	65	25	41	13	M12	7/16
88.6500.20	1.1/4	414	32	42,8	67	93	32	78	27	44	15	M14	1/2
88.6500.24	1.1/2	414	38	48,6	79	112	37	94	30	55	17	M16	5/8
88.6500.32	2	414	51	61,0	97	134	44	114	37	65	21	M20	3/4

also available:

Balfit® Stainless Steel Weld-On Flange for BSP pipe

(add an "S" at the end of the part number: ex: 88.3500.08 S)

Balfit® Weld-On Counter-Flange for BSP pipe (without o-ring groove)

(change to 1 the 5th digit of the part number: ex: 88.3501.08; also available in stainless steel)

Balfit® Weld-On 90° Elbow Flange for BSP pipe

(change to 3 the 5th digit of the part number: ex: 88.3503.08; also available in stainless steel)

Balfit® Weld-On Flange for Metric pipe

(change to 1 the 4th digit of the part number: ex: 88.3510.08; also available in stainless steel)

Balfit® Weld-In Counter-Flange for Metric pipe

(change to 1 the 4th and the 5th digit of the part number: ex: 88.3511.08; also available in stainless steel)

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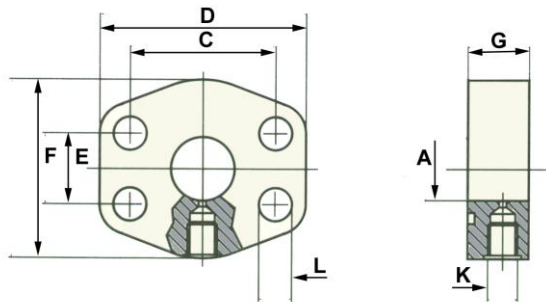
Balfit[®] SAE Flanged Connections

Balfit[®] 3000 PSI Distance Piece with Lateral Hole – 88.3601

carbon steel flat flange for 3000 PSI (code 61) hydraulic lines, with through hole for pressure check

Balfit[®] 6000 PSI Distance Piece with Lateral Hole – 88.6601

carbon steel flat flange for 6000 PSI (code 62) hydraulic lines, with through hole for pressure check



According to **ISO 6162** According to **SAE J518**

Material: Forged carbon steel
Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)							Lateral hole Thread K	
	inch		A	C	D	E	F	G	L	Metric	Gas
88.3601.1602	1	345	25	32	71	26	60	19	11		1/8
88.3601.1610	1	345	25	32	71	26	60	19	11	M10	
88.3601.2002	1.1/4	276	32	59	81	30	68	20	12		1/8
88.3601.2004	1.1/4	276	32	59	81	30	68	20	12		1/4
88.3601.2010	1.1/4	276	32	59	81	30	68	20	12	M10	
88.3601.2012	1.1/4	276	32	59	81	30	68	20	12	M12	
88.3601.2402	1.1/2	207	38	70	95	36	78	25	14		1/8
88.3601.2404	1.1/2	207	38	70	95	36	78	25	14		1/4
88.3601.2410	1.1/2	207	38	70	95	36	78	25	14	M10	
88.3601.2412	1.1/2	207	38	70	95	36	78	25	14	M12	
88.3601.3202	2	207	51	78	102	43	90	19	14		1/8
88.3601.3210	2	207	51	78	102	43	90	19	14	M10	
88.6601.1602	1	414	25	57	81	28	70	22	13		1/8
88.6601.1604	1	414	25	57	81	28	70	22	13		1/4
88.6601.1610	1	414	25	57	81	28	70	22	13	M10	
88.6601.1612	1	414	25	57	81	28	70	22	13	M12	
88.6601.2002	1.1/4	414	32	67	95	32	78	25	15		1/8
88.6601.2004	1.1/4	414	32	67	95	32	78	25	15		1/4
88.6601.2010	1.1/4	414	32	67	95	32	78	25	15	M10	
88.6601.2012	1.1/4	414	32	67	95	32	78	25	15	M12	
88.6601.2402	1.1/2	414	38	79	112	37	94	28	17		1/8
88.6601.2404	1.1/2	414	38	79	112	37	94	28	17		1/4
88.6601.2410	1.1/2	414	38	79	112	37	94	28	17	M10	
88.6601.2412	1.1/2	414	38	79	112	37	94	28	17	M12	
88.6601.3202	2	414	51	97	134	44	114	28	21		1/8
88.6601.3204	2	414	51	97	134	44	114	28	21		1/4
88.6601.3210	2	414	51	97	134	44	114	28	21	M10	
88.6601.3212	2	414	51	97	134	44	114	28	21	M12	

also available in stainless steel; add an "S" to the part number

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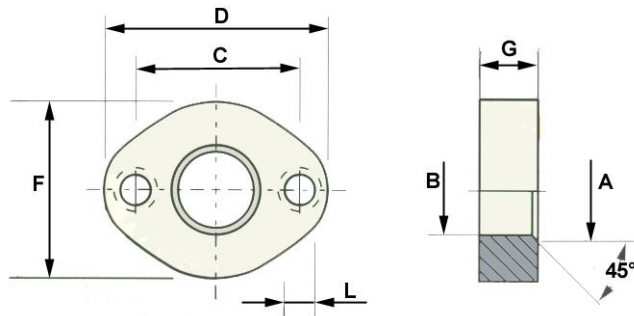
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Balfit® SAE Flanged Connections



Balfit® 6000 PSI Oval (2 Bolts) Flange – 88.7710

carbon steel 2 bolts flange for 6000 PSI (code 62) hydraulic lines, with through hole



Material: Forged carbon steel

Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)						
	inch	bar	A	B	C	D	F	G	L
88.7710.08	1/2	414	22	21	44	60	48	14	9
88.7710.0810	1/2	414	27	24	44	60	48	14	9
88.7710.12	3/4	414	32	29	56	76	60	18	11
88.7710.16	1	414	43	38	64	88	70	22	13
88.7710.20	1.1/4	414	49	44	74	103	78	25	15

also available:

Balfit® Stainless Steel Oval Flange

(add an "S" at the end of the part number: ex: 88.7710.08 S)

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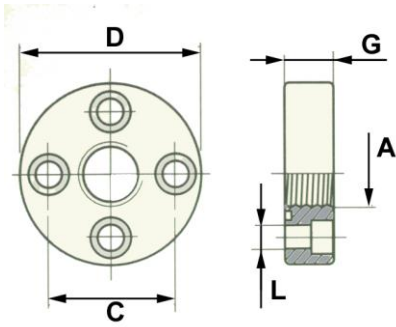
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Balfit[®] SAE Flanged Connections

Balfit[®] Flat Flange for Hydraulic Pumps – 88.7720

carbon steel 4 bolts flange for in- and out-take of hydraulic pumps, with BSP threaded hole

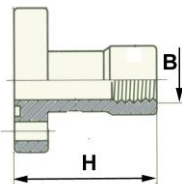


Material: Forged St 52.3 carbon steel
Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)				
	inch		A	C	D	G	L
88.7720.06	3/8	1	10	30	45	12	7
88.7720.08	1/2	2	13	40	58	14	9
88.7720.12	3/4	3	19	51	76	18	11
88.7720.16	1	3,5	25	62	88	20	11
88.7720.20	1.1/4	4	32	73	98	22	13

also available:

88.7721 - Balfit[®] 4 Bolt Flange for Hydraulic Pumps with Female BSP Connection



88.7722 - Balfit[®] 4 Bolt Flange for Hydraulic Pumps with Male BSP Connection

88.7723 - Balfit[®] 4 Bolt Flange for Hydraulic Pumps with Weld-on Connection

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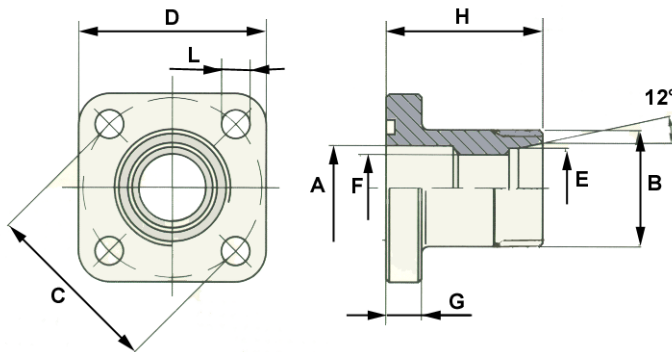
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Balfit[®] SAE Flanged Connections



Balfit[®] Metric Flange – 88.7740

carbon steel 4 bolts flange with DIN 24° cone Metric thread connection



According to **DIN 3901 / 3902**

Material: Forged St 52.3 carbon steel
Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)								Metric Screws
	mm		bar	B	C	D	E	F	G	H	
88.7740.1216	12	315	M16 x 1,5	35	39	10	8	8	30	6	M6 x 20
88.7740.1218	12	315	M18 x 1,5	35	39	12	10	8	30	6	M6 x 20
88.7740.1222	12	250	M22 x 1,5	35	39	15	12	8	30	6	M6 x 20
88.7740.1224	12	250	M24 x 1,5	35	39	16	12	8	30	6	M6 x 20
88.7740.1226	12	250	M26 x 1,5	35	39	18	12	8	30	6	M6 x 20
88.7740.1630	16	250	M30 x 2,0	55	55	20	16	12	40	8	M8 x 30
88.7740.1922	19	100	M22 x 1,5	40	42	15	12	8	35	6	M6 x 20
88.7740.1926	19	100	M26 x 1,5	40	42	18	15	8	35	6	M6 x 20
88.7740.1930	19	100	M30 x 2,0	40	42	22	19	8	35	6	M6 x 20
88.7740.2036	20	100	M36 x 2,0	40	42	28	20	8	42	6	M6 x 20
88.7740.2445	24	100	M45 x 2,0	55	60	35	24	12	50	8	M8 x 30

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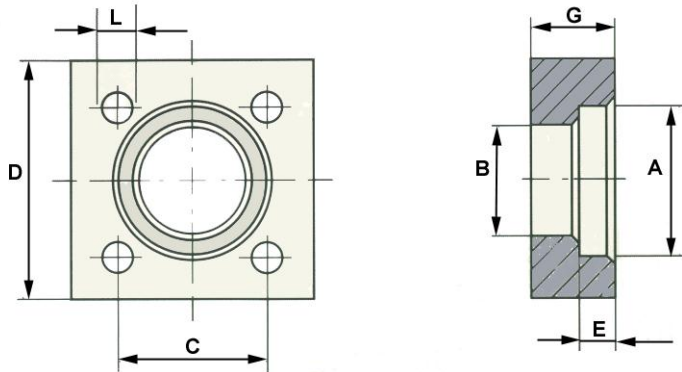
Balfit[®] SAE Flanged Connections

Balfit[®] 3000 PSI CETOP Square Flange Clamp – 88.9300

carbon steel square CETOP flange clamp for 3000 PSI (code 61) hydraulic lines

Balfit[®] 6000 PSI CETOP Square Flange Clamp – 88.9600

carbon steel square CETOP flange clamp for 6000 PSI (code 62) hydraulic lines



Material: Forged St. 52.3 carbon steel
Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)						
	inch	bar	A	B	C	D	G	H	L
88.9300.06	3/8	250	25	19	25	40	6	14	7
88.9300.08	1/2	250	31	24	30	45	6	15	9
88.9300.12	3/4	250	39	32	35	50	6	16	9
88.9300.16	1	250	45	39	44	65	8	18	11
88.9300.20	1.1/4	250	52	44	52	75	8	22	13
88.9300.24	1.1/2	250	61	51	60	85	8	25	15
88.9300.32	2	250	72	63	69	100	9	30	17
88.9300.40	2-1/2	250	88	77	83	120	9	35	21
88.9300.48	3	250	102	91	103	140	9	40	21
88.9300.56	3-1/2	250	120	103	103	140	18	52	21
88.9300.64	4	250	132	115	113	160	21	60	25
88.9600.06	3/8	400	27	19	25	40	7	16	7
88.9600.08	1/2	400	33	24	30	45	7	17	9
88.9600.12	3/4	400	40	32	35	50	8	20	9
88.9600.16	1	400	48	39	44	65	9	24	11
88.9600.20	1.1/4	400	55	44	52	75	10	28	13
88.9600.24	1.1/2	400	64	51	60	85	12	32	15
88.9600.32	2	400	80	63	69	100	12	40	17
88.9600.40	2-1/2	400	95	77	83	120	16	45	21
88.9600.48	3	400	105	91	103	140	16	52	21
88.9600.56	3-1/2	400	120	103	103	140	18	52	21
88.9600.64	4	400	132	115	113	160	21	60	25

also available:

Balfit[®] Stainless Steel CETOP Square Flange Clamp

(add an "S" at the end of the part number: ex: 88.9300.08 S)

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Balfit® SAE Flanged Connections

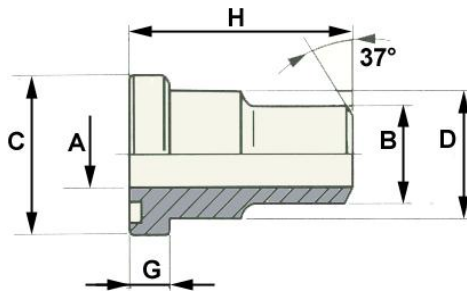


Balfit® 3000 PSI CETOP Flanged Head for Weld-On Pipe – 88.9310

carbon steel CETOP flanged head for 3000 PSI (code 61) hydraulic lines, with weld-on connection for pipe

Balfit® 6000 PSI CETOP Flanged Head for Weld-On Pipe – 88.9610

carbon steel CETOP flanged head for 6000 PSI (code 62) hydraulic lines, with weld-on connection for pipe



Material: Forged St. 52.3 carbon steel

Finish: Zinc-plated

Part Number	Nominal Size	Working Pressure	Dimensions (mm)					
	inch		bar	A	B	C	D	G
88.9310.06	3/8	250	13	18	25	18	7	30
88.9310.08	1/2	250	15	22	30	24	7	30
88.9310.12	3/4	250	20	28	38	32	7	35
88.9310.16	1	250	25	35	44	38	9	40
88.9310.20	1.1/4	250	32	43	51	43	9	45
88.9310.24	1.1/2	250	38	50	60	50	9	50
88.9310.32	2	250	47	62	71	62	11	60
88.9310.40	2-1/2	250	58	76	87	76	11	70
88.9310.48	3	250	70	90	102	90	11	80
88.9310.56	3-1/2	250	80	102	119	102	19	90
88.9310.64	4	250	90	114	131	114	23	105

88.9610.06	3/8	400	11	18	26	18	8	35
88.9610.08	1/2	400	14	22	32	24	8	40
88.9610.12	3/4	400	18	28	40	32	9	45
88.9610.16	1	400	22	35	48	38	10	50
88.9610.20	1.1/4	400	29	43	54	43	11	55
88.9610.24	1.1/2	400	35	50	64	50	13	60
88.9610.32	2	400	43	62	79	62	14	70
88.9610.40	2-1/2	400	53	76	94	76	18	80
88.9610.48	3	400	58	90	104	90	18	90
88.9610.56	3-1/2	400	63	102	119	102	19	90
88.9610.64	4	400	74	114	131	114	23	105

also available:

Balfit® Stainless Steel CETOP Flanged Head

(add an "S" at the end of the part number: ex: 88.9310.08 S)

88.9320 - Balfit® CETOP Blind Adapter

(carbon steel CETOP flanged head blind adapter)

Balfit® Stainless Steel CETOP Square Flange Clamp

(add an "S" at the end of the part number: ex: 88.9300.08 S)

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Balflex® Hydraulic Pipe Clamps

Balflex® Hydraulic Pipe Clamps



Balflex® hydraulic pipe clamps are designed for use with **Balflex®** hydraulic pipes in high-pressure hydraulic systems.

The range of **Balflex®** clamps is produced according to **Balflex®** specifications and **DIN 3015** standard. **Balflex®** has optimized the construction of these hydraulic pipe clamps in order to assure top rated performance, wide range of application, reliability and economy. Among their features are:

Heat resistance: **Balflex®** hydraulic pipe clamps are available in three materials:

Polypropylene - for temperatures up to 90°C

Polyamide 6 - for temperatures up to 180°C

Aluminum - for temperatures up to 380°C.

Wide range: **Balflex®** hydraulic pipe clamps are available in three series:

L - for light-duty (standard wall) hydraulic pipes

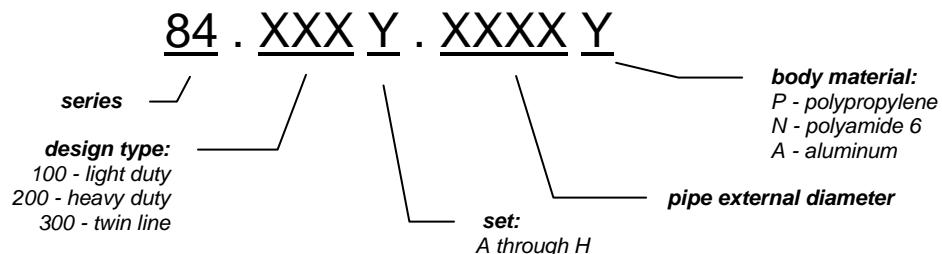
S - for heavy-duty (thick wall) hydraulic pipes

T - for twin lines of hydraulic pipes

Versatility & easy handling: **Balflex®** hydraulic pipe clamps can be mounted on rails, welded or directly screwed on the walls. They are available in 8 different kinds of sets, ready to install with all accessories.

Security: **Balflex®** polypropylene hydraulic pipe clamps can be supplied on request also with photoluminescence pigments (radiation and toxicity free) in the yellow/green spectrum that allow the localization of the pipes in complete darkness for many hours after light failure.

The **Balflex®** hydraulic clamps part code is composed of three groups of digits:



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Balflex[®] Hydraulic Pipe Clamps



Materials

Balflex[®] hydraulic pipe clamps are available in three materials - polypropylene, polyamide 6 and aluminum compound with 12% silicium. Materials characteristics are given in table 1. Normally, the material choice is made according to the rated working temperature of the pipes.

Table 1: Physical characteristics of Balflex Pipe Clamps Materials

	Polypropylene	Polyamide	Aluminum
Density	0,906 g/cm ³	1,13 g/cm ³	2,66 g/cm ³
Flexure resistance (acc to DIN 53452 test method)	36 N/mm ²	130 N/mm ²	70 N/mm ²
Impact resistance (acc to DIN 53453 test method)	no break	60 kJ/cm ²	na
Compression strength (acc to DIN 53454 test method)	90 N/mm ²	120 N/mm ²	500 N/mm ²
Elasticity module (acc to DIN 53452 test method)	200 N/mm	4500 N/mm	70000 N/mm
Fatigue resistance (acc to DIN 53454 test method)	27 N/mm ²	170 N/mm ²	180 N/mm ²
max working temperature	90°C	180°C	380°C
expansion coefficient	0,22 W/m ^{°K}	0,30 W/m ^{°K}	12,6 W/m ^{°K}
Thermal conductivity	15 x 10 ⁵ / °K	15 x 10 ⁵ / °K	21 x 10 ⁶ / °K
Electrical resistance	10 ¹⁸ Ohm cm	10 ¹⁵ Ohm cm	na

Series

Balflex[®] hydraulic pipe clamps are available in three series:

- **Light Duty** series for standard wall hydraulic pipe and working pressures up to 200 bar (2900 PSI) (from 6 mm to 50,8 mm external hydraulic pipes and from 1/8" to 1-1/2" nominal internal diameter pipes)

- **Heavy Duty** series for thick wall hydraulic pipe and working pressures above 200 bar (2900 PSI) (from 6 mm to 216 mm external diameter hydraulic pipes and from 1/8" to 16" nominal internal diameter pipes). Heavy-duty metal components such as upper plates, locking plates, rails, etc. are treated in a cathoporesis process in order to withstand 750 h salt spray ASTM tests.

- **Twin** series for twin lines of standard hydraulic pipe and working pressures up to 200 bar (2900 PSI) (from 6 mm to 42,4 mm external diameter hydraulic pipes and from 1/4" to 1-1/2" nominal internal diameter pipes)

Sets

Balflex[®] hydraulic pipe clamps can either be mounted on metallic rails with special nuts, welded on metallic basis or screwed directly on a holding metal shield with threaded holes. In order to allow easier ordering, handling and installment, they are also available in complete sets, ready to install, according to the installation type foreseen:

- **Welded Installation** (form A, B or C): the half clamps are supplied with a lower plate with two threaded holes to be welded on site and offered alternatively with three different types of closing screws

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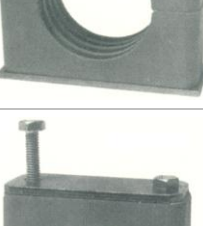



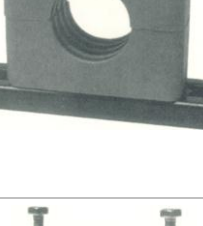

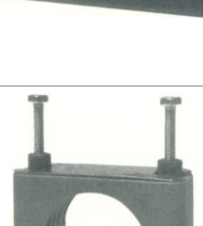


Balflex[®] Hydraulic Pipe Clamps

- **Rail Installation** (form D, E or F): the half clamps are supplied with two special rail nuts and offered alternatively with three different types of closing screws; the rails in which the nuts can be fixed must be ordered separately

- **Directly Screwed Installation** (form G): the half clamps are supplied with special metric long screws; the protruding length of the screws has to be specified in order to assure fixture to the steel sheet beneath

- **Superposed Installation** (form H): the half clamps are supplied with a locking plate to install between clamps and two special screws that allow the superposed mounting of two or more clamps (the basis clamp on which the superposed clamp is going to be installed has to be ordered separately)

Table 2: Overview of Complete Sets of Clamps

Form	Mounting Type	Set Part List	Figure	
A	Welding	2 half clamps 1 lower plate (for welding) 1 upper plate 2 hexagon head screws		
B	Welding	2 half clamps 1 lower plate (for welding) 2 screws with internal hexagon head		
C	Welding	2 half clamps 1 lower plate (for welding) 2 slit head screws		
D	Rail	2 half clamps 2 rail nuts 1 upper plate 2 hexagon head screws		
E	Rail	2 half clamps 2 rail nuts 2 screws with internal hexagon head		
F	Rail	2 half clamps 2 rail nuts 2 slit head screws		
G	Screwed	2 half clamps 1 upper plate 2 hexagon head long screws		
H	Superposed	2 half clamps 1 locking plate 2 special mounting screws		

To order **Balflex[®]** hydraulic pipe clamps, always refer the series, the hydraulic pipe external diameter, the mounting type required and any special items not referred to in the set part list.

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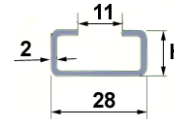
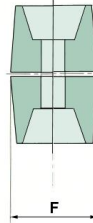
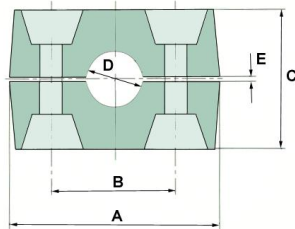
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Balflex® Hydraulic Pipe Clamps



Balflex® Light Duty Hydraulic Pipe Clamps – 84.100



rails for D, E and F sets
in 2 m lengths standard;
H = 11, 14 Or 30 mm

According to **DIN 3015**

Available Sets: **A, B, C, D, E, F, G, H** – add the set identification letter at the end of the type group (ex. 84.100A.0060)

Part Number	Pipe External Ø		Dimensions (mm)						
			A	B	C	E	Screw	Lower plate	Upper plate
	mm	inch						(l x w x th)	(l x w x th)
84.100-0060	6		37	20	27	0,4	M6	36 x 30 x 3	34 x 30 x 3
84.100-0080	8		37	20	27	0,4	M6	36 x 30 x 3	34 x 30 x 3
84.100-0100	10	1/8"	37	20	27	0,4	M6	36 x 30 x 3	34 x 30 x 3
84.100-0120	12		37	20	27	0,4	M6	36 x 30 x 3	34 x 30 x 3
84.100-0127	12,7		43	26	33	0,6	M6	42 x 30 x 3	40 x 30 x 3
84.100-0135	13,5	1/4"	43	26	33	0,6	M6	42 x 30 x 3	40 x 30 x 3
84.100-0140	14		43	26	33	0,6	M6	42 x 30 x 3	40 x 30 x 3
84.100-0150	15		43	26	33	0,6	M6	42 x 30 x 3	40 x 30 x 3
84.100-0160	16		43	26	33	0,6	M6	42 x 30 x 3	40 x 30 x 3
84.100-0172	17,2	3/8"	43	26	33	0,6	M6	42 x 30 x 3	40 x 30 x 3
84.100-0180	18		43	26	33	0,6	M6	42 x 30 x 3	40 x 30 x 3
84.100-0190	19		50	33	35	0,6	M6	50 x 30 x 3	48 x 30 x 3
84.100-0200	20		50	33	35	0,6	M6	50 x 30 x 3	48 x 30 x 3
84.100-0213	21,3	1/2"	50	33	35	0,6	M6	50 x 30 x 3	48 x 30 x 3
84.100-0220	22		50	33	35	0,6	M6	50 x 30 x 3	48 x 30 x 3
84.100-0250	25		50	33	35	0,6	M6	50 x 30 x 3	48 x 30 x 3
84.100-0269	26,9	3/4"	59	40	42	0,6	M6	60 x 30 x 3	57 x 30 x 3
84.100-0280	28		59	40	42	0,6	M6	60 x 30 x 3	57 x 30 x 3
84.100-0300	30		59	40	42	0,6	M6	60 x 30 x 3	57 x 30 x 3
84.100-0320	32		71	52	58	0,8	M6	72 x 30 x 3	70 x 30 x 3
84.100-0337	33,7	1"	71	52	58	0,8	M6	72 x 30 x 3	70 x 30 x 3
84.100-0350	35		71	52	58	0,8	M6	72 x 30 x 3	70 x 30 x 3
84.100-0380	38		71	52	58	0,8	M6	72 x 30 x 3	70 x 30 x 3
84.100-0400	40		71	52	58	0,8	M6	72 x 30 x 3	70 x 30 x 3
84.100-0420	42	1-1/4"	71	52	58	0,8	M6	72 x 30 x 3	70 x 30 x 3
84.100-0483	48,3	1-1/2"	86	66	66	0,8	M6	88 x 30 x 3	86 x 30 x 3
84.100-0508	50,8		86	66	66	0,8	M6	88 x 30 x 3	86 x 30 x 3

available materials:

84.100 P Balflex® Light Duty Polypropylene Hydraulic Pipe Clamps

with a WT of up to 90°C (add the letter P at the end of the complete part number; ex: 84.100A.0060P)

84.100 N Balflex® Light Duty Polyamide Hydraulic Pipe Clamps

with a WT of up to 180°C (add the letter N at the end of the complete part number; ex: 84.100A.0060N)

84.100 A Balflex® Light Duty Aluminum Hydraulic Pipe Clamps

with a WT of up to 380°C (add the letter A at the end of the complete part number; ex: 84.100A.0060A)

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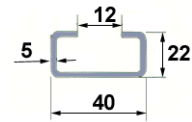
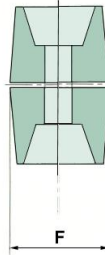
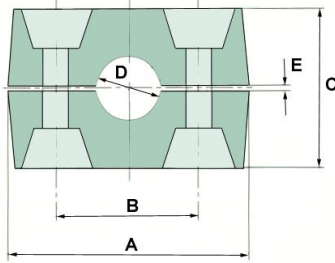
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Balflex® Hydraulic Pipe Clamps

Balflex® Heavy Duty Hydraulic Pipe Clamps – 84.200



rails for D and E sets
in 2 m lengths standard

According to **DIN 3015**

Available Sets: **A, B, D, E, H** – add the set identification letter at the end of the type group (ex. 84.200A.0060)
sets B, D, E & H only available up to size 84.200-.0700

Part Number	Pipe External Ø		Dimensions (mm)							Lower plate (l x w x th)	Upper plate (l x w x th)
	D		A	B	C	E	F	Screw			
	mm	inch									
84.200-.0060	6		56	33	33	1,0	30	M10	74 x 30 x 8	74 x 30 x 8	
84.200-.0080	8		56	33	33	1,0	30	M10	74 x 30 x 8	74 x 30 x 8	
84.200-.0100	10	1/8"	56	33	33	1,0	30	M10	74 x 30 x 8	74 x 30 x 8	
84.200-.0120	12		56	33	33	1,0	30	M10	74 x 30 x 8	74 x 30 x 8	
84.200-.0135	13,5	1/4"	56	33	33	1,0	30	M10	74 x 30 x 8	74 x 30 x 8	
84.200-.0140	14		56	33	33	1,0	30	M10	74 x 30 x 8	74 x 30 x 8	
84.200-.0150	15		56	33	33	1,0	30	M10	74 x 30 x 8	74 x 30 x 8	
84.200-.0160	16		56	33	33	1,0	30	M10	74 x 30 x 8	74 x 30 x 8	
84.200-.0167	16,7		56	33	33	1,0	30	M10	74 x 30 x 8	74 x 30 x 8	
84.200-.0172	17,2	3/8"	56	33	33	1,0	30	M10	74 x 30 x 8	74 x 30 x 8	
84.200-.0180	18		56	33	33	1,0	30	M10	74 x 30 x 8	74 x 30 x 8	
84.200-.0200	20		71	45	48	1,0	30	M10	86 x 30 x 8	86 x 30 x 8	
84.200-.0213	21,3	1/2"	71	45	48	1,0	30	M10	86 x 30 x 8	86 x 30 x 8	
84.200-.0220	22		71	45	48	1,0	30	M10	86 x 30 x 8	86 x 30 x 8	
84.200-.0250	25		71	45	48	1,0	30	M10	86 x 30 x 8	86 x 30 x 8	
84.200-.0269	26,9	3/4"	71	45	48	1,0	30	M10	86 x 30 x 8	86 x 30 x 8	
84.200-.0280	28		71	45	48	1,0	30	M10	86 x 30 x 8	86 x 30 x 8	
84.200-.0300	30		71	45	48	1,0	30	M10	86 x 30 x 8	86 x 30 x 8	
84.200-.0301	30		85	60	61	1,0	30	M10	100 x 30 x 8	100 x 30 x 8	
84.200-.0320	32		85	60	61	1,0	30	M10	100 x 30 x 8	100 x 30 x 8	
84.200-.0337	33,7	1"	85	60	61	1,0	30	M10	100 x 30 x 8	100 x 30 x 8	
84.200-.0350	35		85	60	61	1,0	30	M10	100 x 30 x 8	100 x 30 x 8	
84.200-.0380	38		85	60	61	1,0	30	M10	100 x 30 x 8	100 x 30 x 8	
84.200-.0381	38		116	90	90	2,0	45	M12	140 x 45 x 8	140 x 45 x 10	
84.200-.0400	40		85	60	61	1,0	30	M10	100 x 30 x 8	100 x 30 x 8	
84.200-.0420	42	1-1/4"	116	90	90	2,0	45	M12	140 x 45 x 8	140 x 45 x 10	
84.200-.0483	48,3	1-1/2"	116	90	90	2,0	45	M12	140 x 45 x 8	140 x 45 x 10	
84.200-.0500	50		116	90	90	2,0	45	M12	140 x 45 x 8	140 x 45 x 10	
84.200-.0550	55		116	90	122	2,0	45	M12	140 x 45 x 8	140 x 45 x 10	
84.200-.0603	60,3	2"	116	90	122	2,0	45	M12	140 x 45 x 8	140 x 45 x 10	
84.200-.0635	63,5		116	90	122	2,0	45	M12	140 x 45 x 8	140 x 45 x 10	
84.200-.0650	65		116	90	122	2,0	45	M12	140 x 45 x 8	140 x 45 x 10	
84.200-.0700	70		116	90	122	2,0	45	M12	140 x 45 x 8	140 x 45 x 10	

(continues on the next page)

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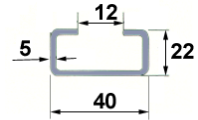
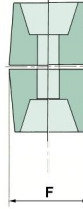
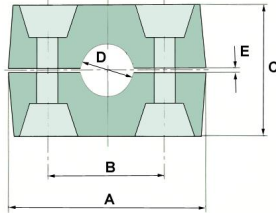
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Balflex® Hydraulic Pipe Clamps



Balflex® Heavy Duty Hydraulic Pipe Clamps (cont.) – 84.200



rails for D and E sets
in 2 m lengths standard

According to **DIN 3015**

Available Sets: **A, B*, D*, E*, H*** – add the set identification letter at the end of the type group (ex. 84.200A.0650)
sets B, D, E & H only available up to size 84.200-.0700

Part Number	Pipe External Ø		Dimensions (mm)							
	D		A	B	C	E	F	Screw	Lower plate (l x w x th)	Upper plate (l x w x th)
	mm	inch								
84.200-.0650	65		155	122	122	2,5	60	M16	180 x 60 x 11	180 x 60 x 10
84.200-.0700	70		155	122	122	2,5	60	M16	180 x 60 x 11	180 x 60 x 10
84.200A.0730	73		155	122	122	2,5	60	M16	180 x 60 x 11	180 x 60 x 10
84.200A.0761	76,1	2-1/2"	155	122	122	2,5	60	M16	180 x 60 x 11	180 x 60 x 10
84.200A.0800	80		155	122	122	2,5	60	M16	180 x 60 x 11	180 x 60 x 10
84.200A.0825	82,5		155	122	122	2,5	60	M16	180 x 60 x 11	180 x 60 x 10
84.200A.0889	88,9	3"	155	122	122	2,5	60	M16	180 x 60 x 11	180 x 60 x 10
84.200A.0890	88,9	3"	209	168	172	2,5	80	M20	226 x 80 x 17	226 x 80 x 15
84.200A.1000	100		209	168	172	2,5	80	M20	226 x 80 x 17	226 x 80 x 15
84.200A.1016	101,6	3-1/2"	209	168	172	2,5	80	M20	226 x 80 x 17	226 x 80 x 15
84.200A.1080	108		209	168	172	2,5	80	M20	226 x 80 x 17	226 x 80 x 15
84.200A.1143	114,3	4"	209	168	172	2,5	80	M20	226 x 80 x 17	226 x 80 x 15
84.200A.1270	127	4-1/2"	209	168	172	2,5	80	M20	226 x 80 x 17	226 x 80 x 15
84.200A.1330	133		209	168	172	2,5	80	M20	226 x 80 x 17	226 x 80 x 15
84.200A.1397	139,7	5"	252	205	202	3,5	90	M24	270 x 90 x 20	270 x 90 x 15
84.200A.1524	152,4		252	205	202	3,5	90	M24	270 x 90 x 20	270 x 90 x 15
84.200A.1590	159		252	205	202	3,5	90	M24	270 x 90 x 20	270 x 90 x 15
84.200A.1650	165		252	205	202	3,5	90	M24	270 x 90 x 20	270 x 90 x 15
84.200A.1778	177,8		252	205	202	3,5	90	M24	270 x 90 x 20	270 x 90 x 15
84.200A.2160	216		338	265	271	3,5	120	M30	340 x 120 x 20	340 x 120 x 25
84.200A.2194	219,4	8"	338	265	271	3,5	120	M30	340 x 120 x 20	340 x 120 x 25
84.200A.2445	244,5	9"	476	395	410	10	160	M30	520 x 160 x 22	520 x 160 x 30
84.200A.2730	273	10"	476	395	410	10	160	M30	520 x 160 x 22	520 x 160 x 30
84.200A.3239	323,9	12"	476	395	410	10	160	M30	520 x 160 x 22	520 x 160 x 30
84.200A.3556	355,6	14"	640	535	542	30	180	M30	680 x 180 x 22	680 x 180 x 30
84.200A.4064	406,4	16"	640	535	542	30	180	M30	680 x 180 x 22	680 x 180 x 30

lower & upper plate also available in 'double' type, with double width

available materials:

84.200 P Balflex® Heavy Duty Polypropylene Hydraulic Pipe Clamps

with a WT of up to 90°C (add the letter P at the end of the complete part number; ex: 84.200A.0650P)

84.200 N Balflex® Heavy Duty Polyamide Hydraulic Pipe Clamps

with a WT of up to 90°C (add the letter N at the end of the complete part number; ex: 84.200A.0650N)

84.200 A Balflex® Heavy Duty Aluminum Hydraulic Pipe Clamps

with a WT of up to 380°C (add the letter A at the end of the complete part number; ex: 84.200A.0650A)

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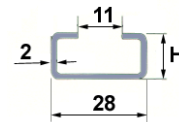
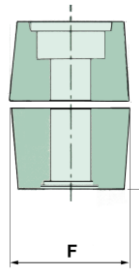
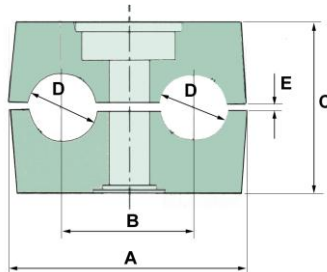
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Balflex® Hydraulic Pipe Clamps

Balflex® Twin Line Hydraulic Pipe Clamps – 84.300



rails for D sets
in 2 m lengths standard;
H = 11, 14 or 30 mm

According to **DIN 3015**

Available Sets: **A, D, G, H** - add the set identification letter at the end of the type group (ex. 84.300A.0060)

Part Number	Pipe External Ø		Dimensions (mm)						
	D		A	B	C	E	F	Screw	Lower plate (l x w x th)
	mm	inch							
84.300-0060	6		36	20	27	0,5	30	M8	37 x 30 x 3
84.300-0064	6,4		36	20	27	0,5	30	M8	37 x 30 x 3
84.300-0080	8		36	20	27	0,5	30	M8	37 x 30 x 3
84.300-0095	9,5		36	20	27	0,5	30	M8	37 x 30 x 3
84.300-0100	10	1/8"	36	20	27	0,5	30	M8	37 x 30 x 3
84.300-0120	12		36	20	27	0,5	30	M8	37 x 30 x 3
84.300-0127	12,7		53	29	29	0,8	30	M8	55 x 30 x 5
84.300-0135	13,5	1/4"	53	29	29	0,8	30	M8	55 x 30 x 5
84.300-0140	14		53	29	29	0,8	30	M8	55 x 30 x 5
84.300-0150	15		53	29	29	0,8	30	M8	55 x 30 x 5
84.300-0160	16		53	29	29	0,8	30	M8	55 x 30 x 5
84.300-0172	17,2	3/8"	53	29	29	0,8	30	M8	55 x 30 x 5
84.300-0180	18		53	29	29	0,8	30	M8	55 x 30 x 5
84.300-0190	19		67	36	37	1,0	30	M8	70 x 30 x 5
84.300-0200	20		67	36	37	1,0	30	M8	70 x 30 x 5
84.300-0213	21,3	1/2"	67	36	37	1,0	30	M8	70 x 30 x 5
84.300-0220	22		67	36	37	1,0	30	M8	70 x 30 x 5
84.300-0230	23		67	36	37	1,0	30	M8	70 x 30 x 5
84.300-0250	25		67	36	37	1,0	30	M8	70 x 30 x 5
84.300-0254	25,4		67	36	37	1,0	30	M8	70 x 30 x 5
84.300-0269	26,9	3/4"	82	45	42	1,0	30	M8	85 x 30 x 5
84.300-0280	28		82	45	42	1,0	30	M8	85 x 30 x 5
84.300-0300	30		82	45	42	1,0	30	M8	85 x 30 x 5
84.300-0320	32		106	56	54	1,0	30	M8	110 x 30 x 5
84.300-0337	33,7	1"	106	56	54	1,0	30	M8	110 x 30 x 5
84.300-0350	35		106	56	54	1,0	30	M8	110 x 30 x 5
84.300-0380	38		106	56	54	1,0	30	M8	110 x 30 x 5
84.300-0400	40		106	56	54	1,0	30	M8	110 x 30 x 5
84.300-0424	42,4		106	56	54	1,0	30	M8	110 x 30 x 5

available materials:

84.300 P Balflex® Twin Line Polypropylene Hydraulic Pipe Clamps

with a WT of up to 90°C (add the letter P at the end of the complete part number; ex: 84.300A.0060P)

84.300 N Balflex® Twin Line Polyamide Hydraulic Pipe Clamps

with a WT of up to 180°C (add the letter N at the end of the complete part number; ex: 84.300A.0060N)

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Balflex® – The European Technology



Balflex[®] MicroTest

Check Line Hoses, Connectors & Gauges

Balflex[®] MicroTest is the range of hoses, couplings and gauges for check lines in hydraulic or refrigeration systems. **Balflex[®] MicroTest** is produced according to **Balflex[®]** specifications and to **ISO, DIN** and **SAE** standards and other relevant industrial specifications. The range comprises:



- **Balflex[®] MicroTest** high pressure hose assemblies for check lines
- **Balflex[®] MicroTest** hoses and hose fittings for check lines

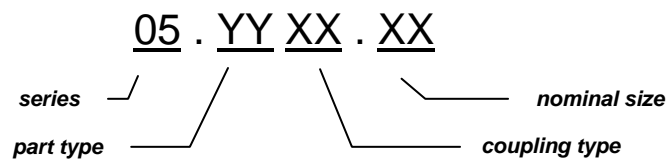


- **Balflex[®] MicroTest** carbon steel connectors for check lines
- **Balflex[®] MicroTest** stainless steel connectors for check lines



- **Balflex[®] MicroTest** anti-shock valves for pressure gauges

The **Balflex[®] MicroTest** parts code is composed of three groups of digits:



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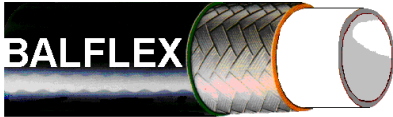
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Balflex[®] MicroTest 630bar Hydraulic Hose – 05.HH01

high-pressure, small-bore, high-flexibility hose for check gauges in high pressure hydraulic systems



- Lining** : thermoplastic polyester
- Reinforcement** : highly tensile aramidic fibre braid
- Cover** : abrasive resistant polyurethane
- Working temperature** : -40 °C (- 40 °F) to + 100 °C (+ 212 °F)
- Application** : check lines in hydraulic circuits using mineral oils, fuel and DOT 4 brake fluids

part number	internal diameter		external diameter		working pressure		min burst press.		min. bend radius	
	mm	inch	mm	inch	bar	PSI	bar	PSI	mm	inch
05.HH01	2,1	0.08	5,5	0.22	630	9 000	1900	27 500	20	0.80

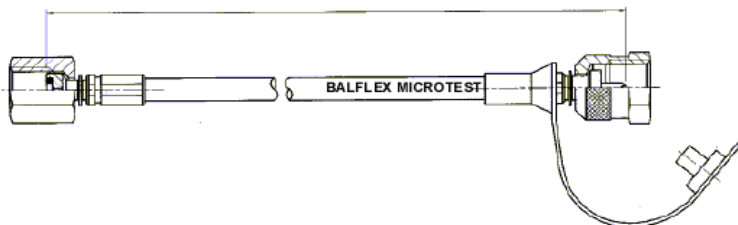
also available with the same dimensional characteristics:

Balflex[®] MicroTest 150bar Hydraulic Hose – 05.RH01



- Lining** : polyamide
- Reinforcement** : polyester fibre braid
- Cover** : abrasive resistant polyurethane, pin-pricked
- Working temperature** : -40 °C (- 40 °F) to + 100 °C (+ 212 °F)
- Rated working pressure** : 150 bar
- Min. burst pressure** : 600 bar
- Application** : check lines in R22 and R134a refrigerant air conditioning and cooling systems

Hose and fittings can be ordered separately for local assembly. Complete hose assembly can be ordered by stating the hose, the length and the connections (example: 500 mm MicroTest Hose (ref. 05.HH01) + M16 x 1,5 Direct Fitting (ref. 05.HF01.16) + 1/4" Gauge Fitting (ref. 05.HF04.04))



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Balfit[®] MicroTest Hose Ferrule and Fittings

swaged ferrule and fittings for MicroTest high pressure gauge lines

05.FE01 Ferrule	05.HF01 Metric Thread Direct Fitting	05.HF03 Swivel Female 60° Cone Fitting	05.HF04 DIN Gauge Direct Fitting

Materials : carbon steel body, zinc plated

Working temperature : - 40°C to + 100°C

part number	designation	working pressure		dimensions (mm)		
		bar	PSI	A / D	L	H
05.FE01	Ferrule			8	15	
05.HF01.16	Metric Thread M16 x 1,5 Direct Fitting	630	9 100	M16 x 1,5	18,5	19
05.HF01.17	Metric Thread M16 x 2,0 Direct Fitting	630	9 100	M16 x 2,0	18,5	19
05.HF02.20	Plug-in Fitting	400	5 800	3,3	15	
05.HF03.02	Swivel Female 60° Cone 1/8" Fitting	630	9 100	W 1/4"	10	14
05.HF03.04	Swivel Female 60° Cone 1/4" Fitting	630	9 100	W 1/4"	13	17
05.HF03.06	Swivel Female 60° Cone 3/8" Fitting	630	9 100	W 1/4"	15	22
05.HF04.04	DIN 16228 1/4" Gauge Direct Fitting	630	9 100	W 1/4"	11,5	19
05.HF04.08	DIN 16228 1/2" Gauge Direct Fitting	630	9 100	W 1/2"	19,5	27

also available in stainless steel for working temperatures up to +200°C (+ 392°F)

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Balfit[®] MicroTest Hose Ferrule and Fittings

swaged fittings for MicroTest high pressure gauge lines

05.HF07 DIN 24° DKOS Swivel Female	05.HF09 DIN Straight Standpipe	05.HF11 DIN 24° Compr.Ring Swivel Female	05.HF15 BSP Male

Materials : carbon steel body, zinc plated

Working temperature : - 40°C to + 100°C

part number	designation	working pressure		dimensions (mm)		
		bar	PSI	A / D	L	H
05.HF05.12	DIN 3865 DKOL 24° Female Fitting - 6L	315	4 500	M12 x 1,5	18	14
05.HF05.14	DIN 3865 DKOL 24° Female Fitting - 8L	315	4 500	M14 x 1,5	18	17
05.HF05.16	DIN 3865 DKOL 24° Female Fitting - 10 L	315	4 500	M16 x 1,5	18	19
05.HF06.14	DIN 3865 DKOS 24° Female 90° Fitting - 6L	315	4 500	M12 x 1,5	24	14
05.HF07.14	DIN 3865 DKOS 24° Female Fitting - 6S	630	9 100	M14 x 1,5	18	17
05.HF07.16	DIN 3865 DKOS 24° Female Fitting - 8S	630	9 100	M16 x 1,5	18	19
05.HF07.18	DIN 3865 DKOS 24° Female Fitting - 10S	630	9 100	M18 x 1,5	18	22
05.HF08.16	DIN 3865 DKOS 24° Female 90° Fitting - 6S	630	9 100	M14 x 1,5	24	17
05.HF09.04	DIN Straight Standpipe Ø4	315	4 500	4	22	
05.HF09.06	DIN Straight Standpipe Ø6	315	4 500	6	22	
05.HF09.08	DIN Straight Standpipe Ø8	315	4 500	8	22	
05.HF10.06	DIN 90° Bend Standpipe Ø 6	315	4 500	6	24	
05.HF11.12	DIN 2353 Compr. Ring Light Female Fitting - 6L	315	4 500	M12 x 1,5	22	14
05.HF11.14	DIN 2353 Compr. Ring Light Female Fitting - 8L	315	4 500	M14 x 1,5	22	17
05.HF12.12	DIN 2353 Light Female 90° Fitting - 6L	315	4 500	M12 x 1,5	24	14
05.HF13.14	DIN 2353 Compr. Ring Heavy Female Fitting - 6S	630	9 100	M14 x 1,5	22	17
05.HF13.16	DIN 2353 Compr. Ring Heavy Female Fitting - 8S	630	9 100	M16 x 1,5	22	19
05.HF14.14	DIN 2353 Heavy Female 90° Fitting - 6S	630	9 100	M14 x 1,5	24	17
05.HF15.02	BSP Male Fitting	630	9 100	W 1/8"	15	12
05.HF15.04	BSP Male Fitting	630	9 100	W 1/4"	20	17

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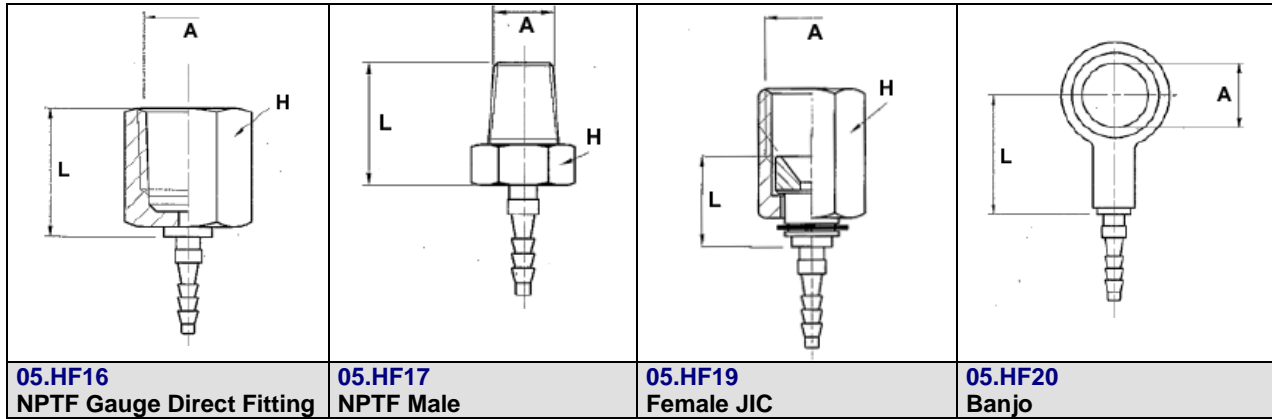
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Balfit[®] MicroTest Hose Fittings (cont')

swaged fittings for MicroTest high pressure gauge lines



Materials: carbon steel body, zinc plated
Working temperature: - 40°C to + 100°C

part number	designation	working pressure		dimensions (mm)		
		bar	PSI	A	L	H
05.HF16.04	Female NPTF 1/4" Gauge Direct Fitting	630	9 100	1/4"	24	19
05.HF17.04	Male NPTF 1/8" Fitting	400	5 800	1/8"-20	15	12
05.HF18.08	Male ISO R 1/8" Fitting	400	5 800	1/8"	15	12
05.HF19.04	Swivel Female JIC 37° 7/16" UNF Fitting	630	9 100	7/16"-20	11	14
05.HF19.05	Swivel Female JIC 37° 1/2" UNF Fitting	630	9 100	1/2"-20	12	17
05.HF20.10	Banjo Fitting	315	4 500	10	21	

also available in stainless steel for working temperatures up to +200°C (+ 392 °F)

Construction characteristics and dimensions may be changed at any time without prior notice.

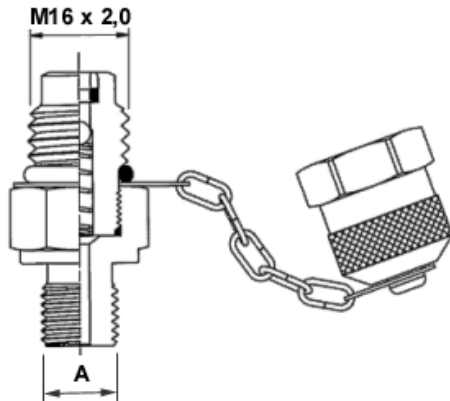
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Balfit® MicroTest Hose Fittings

universal MicroTest pressure take connector with Metric 16 x 2,0 connection



Materials: carbon steel body, zinc plated; nitrile rubber seal; cap in plastic or metal
Working temperature: - 30°C to + 100°C

part number	designation	working pressure		dimensions (mm)
		bar	PSI	A
05.PT01.08	Metric Parallel Thread ISO 6149	630	9 100	M8 x 1,0
05.PT01.10	Pressure Take Connector	630	9 100	M10 x 1,0
05.PT01.11	with O-ring	630	9 100	M10 x 1,25
05.PT01.14		630	9 100	M14 x 1,5
05.PT02.04	UNF Parallel Thread ISO 6149	630	9 100	7/16" -20 UNF
05.PT02.05	Pressure Take Connector	630	9 100	1/2" - 20 UNF
05.PT02.06	with O-ring	630	9 100	9/16" - 18 UNF
05.PT02.08		630	9 100	3/4" - 16 UNF
05.PT03.12	Metric Parallel Thread DIN 3852 Form A	630	9 100	M12 x 1,5
05.PT03.14	Pressure Take Connector with Rubber Seal DIN 3869	630	9 100	M14 x 1,5
05.PT04.02	Whitworth Parallel Thread DIN 3852 Form A	630	9 100	W 1/8"
05.PT04.04	Pressure Take Connector with Rubber Seal DIN 3869	630	9 100	W 1/4"
05.PT04.06		630	9 100	W 3/8"
05.PT05.10	Metric Parallel Thread DIN 3852 Form B	400	5 800	M10 x 1,0
05.PT05.12	Pressure Take Connector	630	9 100	M12 x 1,5
05.PT05.14	with Metal Sealing Edge	630	9 100	M14 x 1,5
05.PT05.16		630	9 100	M16 x 1,5
05.PT06.04	Whitworth Parallel Thread DIN 3852 Form B	400	5 800	W 1/8"
05.PT06.05	Pressure Take Connector	630	9 100	W 1/4"
05.PT06.06	with Metal Sealing Edge	630	9 100	W 3/8"

also available in stainless steel and vyton seals for working temperatures up to +200 °C (+ 392 °F); most types also available with plug-in connection instead of standard M16 x 2,0 connection; plastic caps and metallic caps are alternatively available and should be specified with the order, as well as the cap binder.

Construction characteristics and dimensions may be changed at any time without prior notice.

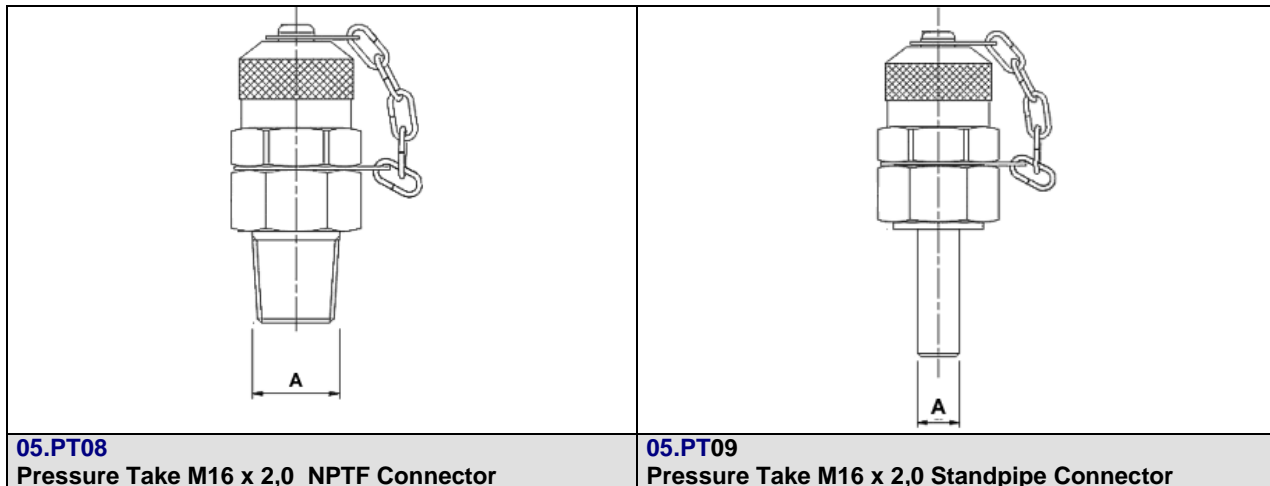
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Balfit® MicroTest Hose Fittings (cont')

universal MicroTest pressure take connector with Metric 16 x 2,0 connection



05.PT08
Pressure Take M16 x 2,0 NPTF Connector

05.PT09
Pressure Take M16 x 2,0 Standpipe Connector

Materials: carbon steel body, zinc plated; nitrile rubber seal; cap in plastic or metal

Working temperature: - 30°C to + 100°C

part number	designation	working pressure		dimensions (mm)
		bar	PSI	A
05.PT07.02	BSPT Taper Thread ISO 7/1	400	5 800	W 1/8"
05.PT07.04	Pressure Take Connector	630	9 100	W 1/4"
05.PT07.08		630	9 100	W 1/2"
05.PT08.02	NPTF Taper Thread	400	5 800	1/8"-27
05.PT08.04	Pressure Take Connector	630	9 100	1/4"-18
05.PT08.06		630	9 100	3/8"-18
05.PT09.06	Standpipe Light Series	315	4 500	6
05.PT09.08	Pressure Take Connector	315	4 500	8
05.PT09.10		315	4 500	10
05.PT09.12		315	4 500	12
05.PT09.15		315	4 500	15
05.PT10.06	Standpipe Heavy Series	630	9 100	6
05.PT10.08	Pressure Take Connector	630	9 100	8
05.PT10.10		630	9 100	10
05.PT10.12		630	9 100	12
05.PT11.16	Bulkhead Metric Pressure Take Connector	630	9 100	M16 x 2,0
05.PT12.08	Bulkhead DIN 2353 Compression Ring	630	9 100	M16 x 1,5
05.PT12.10	Pressure Take Connector	630	9 100	M18 x 1,5
05.PT12.12	Heavy Series	630	9 100	M20 x 1,5

also available in stainless steel and vyton seals for working temperatures up to +200°C (+ 392°F); most types also available with plug-in connection instead of standard M16 x 2,0 connection; plastic caps and metallic caps are alternatively available and should be specified with the order, as well as the cap binder.

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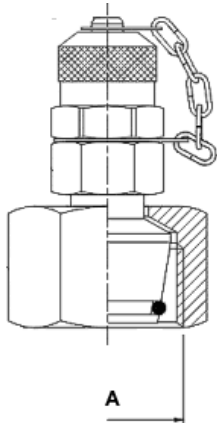
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Balfit[®] MicroTest Connectors (cont')

universal MicroTest pressure take connector with Metric 16 x 2,0 connection



05.PT13

Pressure Take M16 x 2,0 DIN 3865 DKO Connector

Materials: carbon steel body, zinc plated; nitrile rubber seal; cap in plastic or metal

Working temperature: - 30°C to + 100°C

part number	designation	working pressure		dimensions (mm)
		bar	PSI	A
05.PT13.12	DIN 3865 DKO 24° Light Series	315	4 500	M12 x 1,5
05.PT13.14	Pressure Take Connector	315	4 500	M14 x 1,5
05.PT13.16		315	4 500	M16 x 1,5
05.PT13.18		315	4 500	M18 x 1,5
05.PT13.22		315	4 500	M22 x 1,5
05.PT13.26		315	4 500	M26 x 1,5
05.PT13.30		160	2 300	M30 x 2,0
05.PT13.36		160	2 300	M36 x 2,0
05.PT13.45		160	2 300	M45 x 2,0
05.PT13.52		160	2 300	M52 x 2,0
05.PT14.14	DIN 3865 DKO 24° Heavy Series	630	9 100	M14 x 1,5
05.PT14.16	Pressure Take Connector	630	9 100	M16 x 1,5
05.PT14.18		630	9 100	M18 x 1,5
05.PT14.20		630	9 100	M20 x 1,5
05.PT14.22		630	9 100	M22 x 1,5
05.PT14.24		400	5 800	M24 x 1,5
05.PT14.30		400	5 800	M30 x 2,0
05.PT14.36		400	5 800	M36 x 2,0
05.PT13.42		400	5 800	M42 x 2,0
05.PT13.52		315	4 500	M52 x 2,0

also available in stainless steel and vyton seals for working temperatures up to +200°C (+ 392°F); most types also available with plug-in connection instead of standard M16 x 2,0 connection; plastic caps and metallic caps are alternatively available and should be specified with the order, as well as the cap binder.

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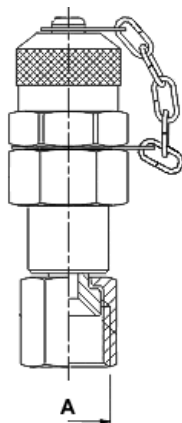
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Balfit[®] MicroTest Hose Fittings (cont')

universal MicroTest pressure take connector with Metric 16 x 2,0 connection



05.PT14

Pressure Take M16 x 2,0 JIC Swivel Female Connector

Materials: carbon steel body, zinc plated; nitrile rubber seal; cap in plastic or metal

Working temperature: - 30°C to + 100°C

part number	designation	working pressure		dimensions (mm)
		bar	PSI	A
05.PT14.04	JIC Swivel Female	630	9 100	7/16" - 20
05.PT14.05	Pressure Take Connector	400	5 800	1/2" - 20
05.PT14.06		315	4 500	9/16" - 18
05.PT14.08		315	4 500	3/4" - 16
05.PT15.04	JIC Female	630	9 100	7/16" - 20
05.PT15.05	Pressure Take Connector	400	5 800	1/2" - 20
05.PT15.06		315	4 500	9/16" - 18
05.PT16.02	Whitworth Parallel Thread Poppet Valve	630	9 100	W 1/8"
05.PT16.04	Pressure Take Connector	630	9 100	W 1/4"
05.PT17.10	Metric Parallel Thread Poppet Valve Press. Take Connector	630	9 100	M10 x 1,0

Also available in stainless steel and vyton seals for working temperatures up to +200 °C (+ 392 °F); most types also available with plug-in connection instead of standard M16 x 2,0 connection; plastic caps and metallic caps are alternatively available and should be specified with the order, as well as the cap binder.

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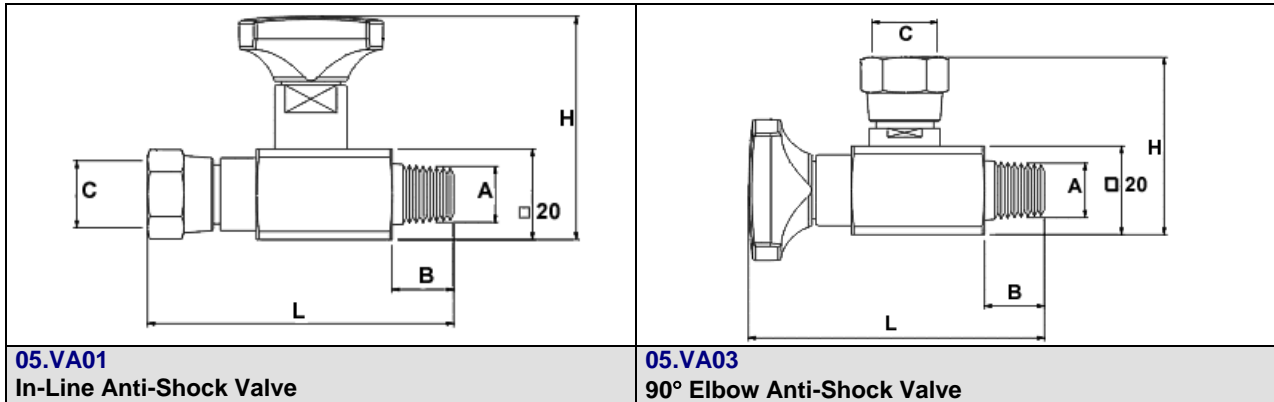
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Balfit[®] MicroTest Anti-Shock Valves

gauge protection anti-shock valves



Working temperature: - 30°C to + 100°C

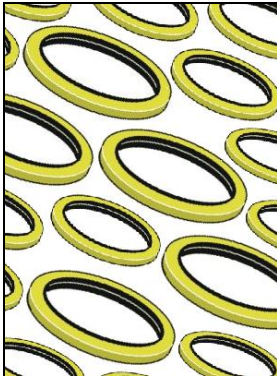
part number	designation	working pressure		dimensions (mm)				
		bar	PSI	A	B	C	L	H
05.VA01.04	In-Line Swivel Female Anti-Shock Valve	400	5 800	BSPT 1/4"	14	W 1/4"	60	50
05.VA02.04	In-Line Fixed Female Anti-Shock Valve	400	5 800	BSPT 1/4"	14	W 1/4"	65	50
05.VA03.04	90° Elbow Swivel Female Anti-Shock Valve	400	5 800	BSPT 1/4"	14	W 1/4"	68	40
05.VA04.04	90° Elbow Fixed Female Anti-Shock Valve	400	5 800	BSPT 1/4"	14	W 1/4"	68	40

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Balflex[®] – The European Technology



Balfit® Bonded Seals

Balfit® bonded seals are designed for use with Balfit® hydraulic connectors in high-pressure hydraulic systems.

The range of Balfit® bonded seals is produced according to Balfit® specifications. Balfit® has optimized the construction of these hydraulic bonded seals in order to assure top rated performance, wide range of application, reliability and economy. Among their features are:

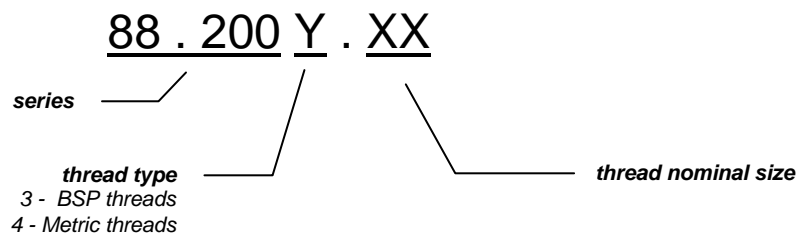
Physical and chemical resistance: *Balfit® hydraulic bonded seals are available in a wide combination of rubbers and metals, in order to suit applications with different fluids, temperatures and working pressure.*

All sizes of European threads: *Balfit® hydraulic bonded seals are available for all sizes of European threads commonly used in hydraulic systems engineering.*

Reliable sealing: *Balfit® hydraulic bonded seals are self-centering and prevent extrusion of the seal, assuring the correct positioning during assembly in reliable sealing.*

Easy handling: *Balfit® hydraulic bonded seals can be easily pre-assembled onto the threads and do not require control of the offset during tightening.*

The Balfit® hydraulic bonded seals part code is composed of three groups of digits:



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Balfit[®] Bonded Seals for Balfit[®] Hydraulic Connectors

Design & Construction

Balfit[®] hydraulic bonded seals are designed to assure reliable sealing of threaded connectors through correct assembly. They consist of a metallic washer into which a rubber seal is bonded. The metallic washer prevents the extrusion of the rubber seal through over-compression. The rubber seal assures perfect sealing through its upper and lower surfaces and centered seating of the seal through its self-centering ring.

Materials

Balfit[®] hydraulic bonded seals are available in a wide range of materials, in order to suit different application requirements. The most common material combinations indicated below are used for mineral-based hydraulic fluids. Other materials are available on request in order to assure a working temperature range of up to + 220°C (+ 428°F) and good resistance to other fluids and environmental conditions like water, air, lubricants, steam, acids and alkalis, ozone, etc., as well as non-toxic food-quality requirements.

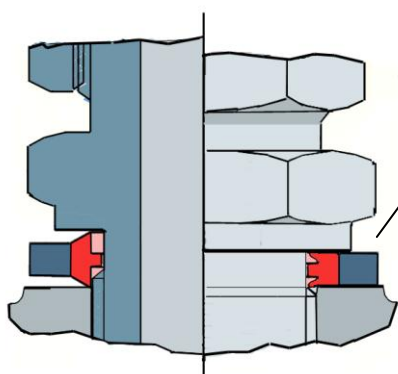
Table 1: Physical characteristics of Balfit[®] Bonded Seals

Rubber	Metal	Working Temperature	Application
Nitrile Rubber (NBR)	Mild steel zinc plated	-30°C to + 100°C	Mineral based hydraulic fluids, lubricating oils
Fluorocarbon Rubber (FKM)	Mild steel zinc plated	-15°C to + 220°C	Mineral based hydraulic fluids, lubricating oils, ozone and hot air resistant
Fluorocarbon Rubber (FKM)	Stainless Steel AISI 316	-15°C to + 220°C	Mineral based hydraulic fluids, lubricating oils, ozone and hot air resistant

Installation

Reliable sealing through **Balfit[®]** hydraulic bonded seals is assured through complete sealing of the parallel faces of the two connected parts, when the rubber part of the seal is in full contact with the flat parallel surfaces. In order to assure this

- the sealing surfaces shall have a roughness within 0,8 µm
- the sealing surfaces shall be normal to the thread within 0,1
- the sealing surfaces shall cover adequately the bonded seal



A minimum of 0,7 mm (measured in radial direction) of the metal part of the seal must be covered in order to lock into place the seal. The outer diameter of the nut must therefore be at least 1,4 mm greater than the inner diameter of the metallic ring on the seal.

If a boss or recess is used to provide the flat sealing surface on a part, the boss or recess diameter should be greater than the outside diameter of the seal (recess radius must be added to that minimum diameter). A chamfer or counter-bore for removal of the first thread should not exceed the thread diameter.

Be careful not to allow a bypass of the seal through protruding threads (the fluid will leak through the thread helix) or additional washers (the fluid will leak between washer and nut).

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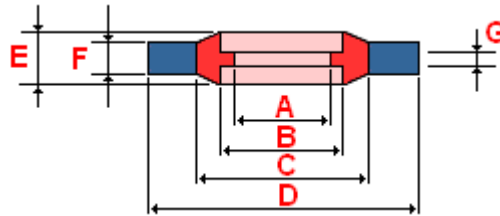
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Balfit® Bonded Seals for Balfit® Hydraulic Connectors



Balfit® BSP Bonded Seals – 88.2003

self-centering bonded seals for BSP thread hydraulic connectors



Rubber ring: NBR

Metal ring: mild steel zinc plated

Working temperature: -30°C (- 22°F) to +100°C (+ 212°F)

Part Number	Nominal Diameter	Diameter (mm)						
		A	B	C	D	E	F	G
88.2003.02	1/8"	8,26	10,4	11,8	15,9	2,8	2,0	0,5
88.2003.04	1/4"	11,2	13,7	15,2	20,6	2,8	2,0	0,5
88.2003.06	3/8"	14,8	17,3	18,8	23,8	2,8	2,0	0,5
88.2003.08	1/2"	18,2	21,5	23,0	28,6	3,3	2,5	0,5
88.2003.10	5/8"	20,3	23,5	25,0	31,8	3,3	2,5	0,5
88.2003.12	3/4"	23,8	27,0	28,5	34,9	3,3	2,5	0,5
88.2003.14	7/8"	27,5	30,8	32,3	38,1	3,3	2,5	0,5
88.2003.16	1"	29,9	33,9	36,9	42,8	4,2	3,4	0,5
88.2003.20	1-1/4"	38,4	42,9	45,9	52,4	4,2	3,4	0,5
88.2003.24	1-1/2"	44,4	48,4	51,4	58,6	4,2	3,4	0,5
88.2003.28	1-3/4"	50,4	54,9	58,3	69,9	4,2	3,4	0,5
88.2003.32	2"	56,3	60,6	63,6	73,0	4,2	3,4	0,5
88.2003.36	2-1/4"	62,4	66,7	70,0	79,5	4,2	3,4	0,5
88.2003.40	2-1/2"	71,5	76,1	79,4	90,2	4,2	3,4	0,5

also available:

88.2003 S – Balfit® BSP Stainless Steel Bonded Seals
in stainless steel and fluorocarbon rubber with a WT of up to 220°C
(add the letter S at the end of the complete part number; ex: 88.2003.16S)

Construction characteristics and dimensions may be changed at any time without prior notice.

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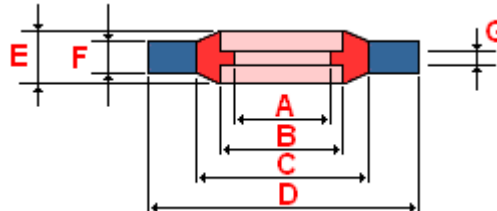
Balflex® – The European Technology



Balfit[®] Bonded Seals for Balfit[®] Hydraulic Connectors

Balfit[®] Metric Bonded Seals – 88.2004

self-centering bonded seals for Metric thread hydraulic connectors



Rubber ring: NBR

Metal ring: mild steel zinc plated

Working temperature: -30°C (- 22°F) to +100°C (+ 212°F)

Part Number	Nominal Diameter	Diameter (mm)						
		A	B	C	D	E	F	G
88.2004.08	M8	6,40	8,70	10,4	14,0	1,8	1,0	0,5
88.2004.10	M10	8,05	10,7	12,4	16,0	2,3	1,5	0,5
88.2004.12	M12	9,73	12,7	14,1	19,0	2,3	1,5	0,5
88.2004.14	M14	11,4	14,7	16,4	22,0	2,3	1,5	0,5
88.2004.16	M16	13,4	16,7	18,4	24,0	2,3	1,5	0,5
88.2004.18	M18	14,8	18,7	20,4	26,0	2,3	1,5	0,5
88.2004.20	M20	16,8	20,7	22,5	28,0	2,3	1,5	0,5
88.2004.22	M22	18,7	22,7	24,4	30,0	2,8	2,0	0,5
88.2004.24	M24	20,1	24,7	26,4	32,0	2,8	2,0	0,5

also available:

88.2004 S - Balfit[®] Metric Stainless Steel Bonded Seals

in stainless steel and fluorocarbon rubber with a WT of up to 220°C

(add the letter S at the end of the complete part number; ex: 88.2004.0060S)

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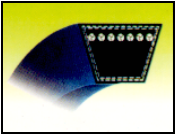


RUBBER AND TRANSMISSION PRODUCTS DIVISION

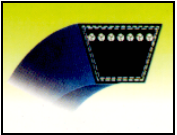
INDUSTRIAL AND FOOD RUBBER SHEETS – 65.1/65.2/65.3/65.4/65.5/65.6 series



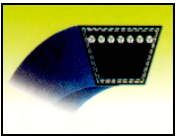
INDUSTRIAL CLASSIC V-BELTS - 60.A/60.B/60.C/60.D/60.E series



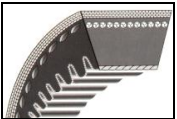
INDUSTRIAL EVOLUTION V-BELTS - 60.SPZ/60.SPA/60.SPB/60.SPC series



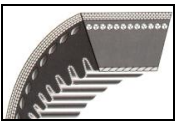
INDUSTRIAL EXTREME V-BELTS – 60.3V/60.5V/60.8V series



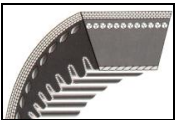
INDUSTRIAL PLATINIUM V-BELTS – 60.AX/60.BX/60.CX series



INDUSTRIAL TITANIUM V-BELTS – 60.SPZX/60.SPAX/60.SPBX series



AUTOMOTIVE RAW EDGE V-BELTS – 60.10AVX/60.13AVX series



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Balflex[®] – The European Technology



Balflex® Rubber Sheet

Balflex® Rubber Sheets are produced to **Balflex®** specifications and according to international standards, covering a wide variety of applications, with best chosen high quality grade polymers, with no insertion or with several insertions of synthetic reinforcements, for a extensive range of applications

The **Balflex® Rubber Sheet** range in this catalogue includes:

- **Balflex® Rubber Sheet 65.1000.** – NR / SBR
- **Balflex® Rubber Sheet 65.2000.** – NBR
- **Balflex® Rubber Sheet 65.3000.** – EPDM
- **Balflex® Rubber Sheet 65.4000.** – CR (Neoprene)
- **Balflex® Rubber Sheet 65.5000.** – Food Grade (White Color – SBR quality)
- **Balflex® Rubber Sheet 65.6000.** – Food Grade (White Color – NBR quality)

General Guidelines

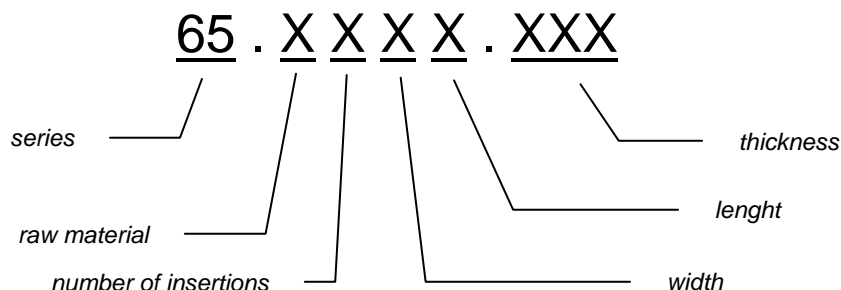
The way how to store the rubber sheets is very important.

They must be stored stand up, never laying on the floor. Always all rolls must be wrapped up with a non transparent covering. If cut, the roll must be enveloped back again with the non transparent covering.

They must be stored in a cool (+10°C to +20°C / 50°F to 68°F), dry, clean and dark (no sunlight or fluorescent lighting), ozone-free (no electro-motors, generators etc. nearby), no contact with hydrocarbons or solvents.

For each type of application the rubber sheet must be carefully chosen.

The **Balflex®** rubber sheets part code is composed of three groups of digits:



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Balflex® – The European Technology

Balflex[®] Rubber Sheet



Balflex[®] NR / SBR Rubber Sheet – 65.1011/12. / 65.1111/12

NR / SBR rubber sheet black color with no insertion and with one insertion



- Raw Material:** high-grade black NR / SBR
- Reinforcement:** 0 or 1 insertion
- Surface:** both sides plate finish
- Hardness:** 65 ± 5 Shore A
- Tensile strength:** 3.0 MPa
- Elongation:** 250%
- Temperature:** - 30°C to + 70°C (-22°F to 158°F)
- Specific Gravity:** 1.5g / cm³
- Weather resistance:** satisfactorily resistant
- UV resistance:** satisfactorily resistant
- Oil resistance:** non resistant
- Gasoline and fuel resistance:** non resistant
- Acid and solvents resistance:** non resistant
- Abrasion resistance:** good resistance
- Strong bases:** resistant
- Impact resistance:** resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.1012.008	0,8	1/32"	1,0	3.28	20	65.62	0
65.1012.016	1,6	1/16"	1,0	3.28	20	65.62	0
65.1012.024	2,4	3/32"	1,0	3.28	20	65.62	0
65.1012.032	3,2	1/8"	1,0	3.28	20	65.62	0
65.1012.048	4,8	3/16"	1,0	3.28	20	65.62	0
65.1012.064	6,4	1/4"	1,0	3.28	20	65.62	0
65.1012.079	7,9	5/16"	1,0	3.28	20	65.62	0
65.1012.095	9,5	3/8"	1,0	3.28	20	65.62	0
65.1011.127	12,7	1/2"	1,0	3.28	10	32.81	0

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.1112.008	0,8	1/32"	1,0	3.28	20	65.62	1
65.1112.016	1,6	1/16"	1,0	3.28	20	65.62	1
65.1112.024	2,4	3/32"	1,0	3.28	20	65.62	1
65.1112.032	3,2	1/8"	1,0	3.28	20	65.62	1
65.1112.048	4,8	3/16"	1,0	3.28	20	65.62	1
65.1112.064	6,4	1/4"	1,0	3.28	20	65.62	1
65.1112.079	7,9	5/16"	1,0	3.28	20	65.62	1
65.1112.095	9,5	3/8"	1,0	3.28	20	65.62	1
65.1111.127	12,7	1/2"	1,0	3.28	10	32.81	1

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Balflex[®] – The European Technology



Balflex® Rubber Sheet

Balflex® NR / SBR Rubber Sheet – 65.1211/12. / 65.1311/12

NR / SBR rubber sheet black color with two and three insertions



- Raw Material:** high-grade black NR / SBR
- Reinforcement:** 2 or 3 insertions
- Surface:** both sides plate finish
- Hardness:** 65 ± 5 Shore A
- Tensile strength:** 3.0 MPa
- Elongation:** 250%
- Temperature:** - 30°C to + 70°C (-22°F to 158°F)
- Specific Gravity:** 1.5g / cm³
- Weather resistance:** satisfactorily resistant
- UV resistance:** satisfactorily resistant
- Oil resistance:** non resistant
- Gasoline and fuel resistance:** non resistant
- Acid and solvents resistance:** non resistant
- Abrasion resistance:** good resistance
- Strong bases:** resistant
- Impact resistance:** resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.1212.032	3,2	1/8"	1,0	3.28	20	65.62	2
65.1212.048	4,8	3/16"	1,0	3.28	20	65.62	2
65.1212.064	6,4	1/4"	1,0	3.28	20	65.62	2
65.1212.079	7,9	5/16"	1,0	3.28	20	65.62	2
65.1212.095	9,5	3/8"	1,0	3.28	20	65.62	2
65.1211.127	12,7	1/2"	1,0	3.28	10	32.81	2

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.1312.048	4,8	3/16"	1,0	3.28	20	65.62	3
65.1312.064	6,4	1/4"	1,0	3.28	20	65.62	3
65.1312.079	7,9	5/16"	1,0	3.28	20	65.62	3
65.1312.095	9,5	3/8"	1,0	3.28	20	65.62	3
65.1311.127	12,7	1/2"	1,0	3.28	10	32.81	3

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Balflex® – The European Technology

Balflex[®] Rubber Sheet



Balflex[®] NR / SBR Rubber Sheet – 65.1021/22. / 65.1121/22

NR / SBR rubber sheet black color with no insertion and with one insertion



- Raw Material:** high-grade black NR / SBR
- Reinforcement:** 0 or 1 insertion
- Surface:** booth sides plate finish
- Hardness:** 65 ± 5 Shore A
- Tensile strength:** 3.0 MPa
- Elongation:** 250%
- Temperature:** - 30°C to + 70°C (-22°F to 158°F)
- Specific Gravity:** 1.5g / cm³
- Weather resistance:** satisfactorily resistant
- UV resistance:** satisfactorily resistant
- Oil resistance:** non resistant
- Gasoline and fuel resistance:** non resistant
- Acid and solvents resistance:** non resistant
- Abrasion resistance:** good resistance
- Strong bases:** resistant
- Impact resistance:** resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.1022.008	0,8	1/32"	1,22	4.0	20	65.62	0
65.1022.016	1,6	1/16"	1,22	4.0	20	65.62	0
65.1022.024	2,4	3/32"	1,22	4.0	20	65.62	0
65.1022.032	3,2	1/8"	1,22	4.0	20	65.62	0
65.1022.048	4,8	3/16"	1,22	4.0	20	65.62	0
65.1022.064	6,4	1/4"	1,22	4.0	20	65.62	0
65.1022.079	7,9	5/16"	1,22	4.0	20	65.62	0
65.1022.095	9,5	3/8"	1,22	4.0	20	65.62	0
65.1021.127	12,7	1/2"	1,22	4.0	10	32.81	0

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.1122.008	0,8	1/32"	1,22	4.0	20	65.62	1
65.1122.016	1,6	1/16"	1,22	4.0	20	65.62	1
65.1122.024	2,4	3/32"	1,22	4.0	20	65.62	1
65.1122.032	3,2	1/8"	1,22	4.0	20	65.62	1
65.1122.048	4,8	3/16"	1,22	4.0	20	65.62	1
65.1122.064	6,4	1/4"	1,22	4.0	20	65.62	1
65.1122.079	7,9	5/16"	1,22	4.0	20	65.62	1
65.1122.095	9,5	3/8"	1,22	4.0	20	65.62	1
65.1121.127	12,7	1/2"	1,22	4.0	10	32.81	1

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Balflex[®] – The European Technology



Balflex® Rubber Sheet

Balflex® NR / SBR Rubber Sheet – 65.1221/22. / 65.1321/22

NR / SBR rubber sheet black color with two and three insertions



- Raw Material:** high-grade black NR / SBR
- Reinforcement:** 2 or 3 insertions
- Surface:** booth sides plate finish
- Hardness:** 65 ± 5 Shore A
- Tensile strength:** 3.0 MPa
- Elongation:** 250%
- Temperature:** - 30°C to + 70°C (-22°F to 158°F)
- Specific Gravity:** 1.5g / cm³
- Weather resistance:** satisfactorily resistant
- UV resistance:** satisfactorily resistant
- Oil resistance:** non resistant
- Gasoline and fuel resistance:** non resistant
- Acid and solvents resistance:** non resistant
- Abrasion resistance:** good resistance
- Strong bases:** resistant
- Impact resistance:** resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.1222.032	3,2	1/8"	1,22	4.0	20	65.62	2
65.1222.048	4,8	3/16"	1,22	4.0	20	65.62	2
65.1222.064	6,4	1/4"	1,22	4.0	20	65.62	2
65.1222.079	7,9	5/16"	1,22	4.0	20	65.62	2
65.1222.095	9,5	3/8"	1,22	4.0	20	65.62	2
65.1221.127	12,7	1/2"	1,22	4.0	10	32.81	2

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.1322.048	4,8	3/16"	1,22	4.0	20	65.62	3
65.1322.064	6,4	1/4"	1,22	4.0	20	65.62	3
65.1322.079	7,9	5/16"	1,22	4.0	20	65.62	3
65.1322.095	9,5	3/8"	1,22	4.0	20	65.62	3
65.1321.127	12,7	1/2"	1,22	4.0	10	32.81	3

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Balflex[®] Rubber Sheet



Balflex[®] NR / SBR Rubber Sheet – 65.1041/42. / 65.1141/42

NR / SBR rubber sheet black color with no insertion and with one insertion



Raw Material: high-grade black NR / SBR
Reinforcement: 0 or 1 insertion
Surface: both sides plate finish
Hardness: 65 ± 5 Shore A
Tensile strength: 3.0 MPa
Elongation: 250%
Temperature: - 30°C to + 70°C (-22°F to 158°F)
Specific Gravity: 1.5g / cm³
Weather resistance: satisfactorily resistant
UV resistance: satisfactorily resistant
Oil resistance: non resistant
Gasoline and fuel resistance: non resistant
Acid and solvents resistance: non resistant
Abrasion resistance: good resistance
Strong bases: resistant
Impact resistance: resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.1042.008	0,8	1/32"	1,40	4.6	20	65.62	0
65.1042.016	1,6	1/16"	1,40	4.6	20	65.62	0
65.1042.024	2,4	3/32"	1,40	4.6	20	65.62	0
65.1042.032	3,2	1/8"	1,40	4.6	20	65.62	0
65.1042.048	4,8	3/16"	1,40	4.6	20	65.62	0
65.1042.064	6,4	1/4"	1,40	4.6	20	65.62	0
65.1042.079	7,9	5/16"	1,40	4.6	20	65.62	0
65.1042.095	9,5	3/8"	1,40	4.6	20	65.62	0
65.1041.127	12,7	1/2"	1,40	4.6	10	32.81	0

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.1142.008	0,8	1/32"	1,22	4.6	20	65.62	1
65.1142.016	1,6	1/16"	1,22	4.6	20	65.62	1
65.1142.024	2,4	3/32"	1,22	4.6	20	65.62	1
65.1142.032	3,2	1/8"	1,22	4.6	20	65.62	1
65.1142.048	4,8	3/16"	1,22	4.6	20	65.62	1
65.1142.064	6,4	1/4"	1,22	4.6	20	65.62	1
65.1142.079	7,9	5/16"	1,22	4.6	20	65.62	1
65.1142.095	9,5	3/8"	1,22	4.6	20	65.62	1
65.1141.127	12,7	1/2"	1,22	4.6	10	32.81	1

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Balflex® Rubber Sheet

Balflex® NR / SBR Rubber Sheet – 65.1241/42. / 65.1341/42

NR / SBR rubber sheet black color with two and three insertions



- Raw Material:** high-grade black NR / SBR
- Reinforcement:** 2 or 3 insertions
- Surface:** booth sides plate finish
- Hardness:** 65 ± 5 Shore A
- Tensile strength:** 3.0 MPa
- Elongation:** 250%
- Temperature:** - 30°C to + 70°C (-22°F to 158°F)
- Specific Gravity:** 1.5g / cm³
- Weather resistance:** satisfactorily resistant
- UV resistance:** satisfactorily resistant
- Oil resistance:** non resistant
- Gasoline and fuel resistance:** non resistant
- Acid and solvents resistance:** non resistant
- Abrasion resistance:** good resistance
- Strong bases:** resistant
- Impact resistance:** resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.1242.032	3,2	1/8"	1,40	4.6	20	65.62	2
65.1242.048	4,8	3/16"	1,40	4.6	20	65.62	2
65.1242.064	6,4	1/4"	1,40	4.6	20	65.62	2
65.1242.079	7,9	5/16"	1,40	4.6	20	65.62	2
65.1242.095	9,5	3/8"	1,40	4.6	20	65.62	2
65.1241.127	12,7	1/2"	1,40	4.6	10	32.81	2

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.1342.048	4,8	3/16"	1,40	4.6	20	65.62	3
65.1342.064	6,4	1/4"	1,40	4.6	20	65.62	3
65.1342.079	7,9	5/16"	1,40	4.6	20	65.62	3
65.1342.095	9,5	3/8"	1,40	4.6	20	65.62	3
65.1341.127	12,7	1/2"	1,40	4.6	10	32.81	3

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Balflex® – The European Technology



Balflex[®] Nitrile (NBR) Rubber Sheet – 65.2021/2121/2221

Nitrile (NBR) rubber sheet black color with no insertion and with one or two insertions



Raw Material: black Nitrile (NBR)
Reinforcement: 0, 1 or 2 insertions
Hardness: 65 ± 5 Shore A
Tensile strength: 4.0 MPa
Elongation: 250%
Temperature: - 20°C to + 90°C (-4°F to 194°F)
Specific Gravity: 1.4g / cm³
Weather resistance: moderate resistance
UV resistance: moderate resistance
Oil resistance: good resistance
Gasoline and fuel resistance: resistant
Acid and solvents resistance: resistant
Abrasion resistance: moderate resistance
Strong bases: resistant
Impact resistance: resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.2021.008	0,8	1/32"	1,22	4.0	10	32.81	0
65.2021.016	1,6	1/16"	1,22	4.0	10	32.81	0
65.2021.032	3,2	1/8"	1,22	4.0	10	32.81	0
65.2021.048	4,8	3/16"	1,22	4.0	10	32.81	0
65.2021.064	6,4	1/4"	1,22	4.0	10	32.81	0
65.2021.079	7,9	5/16"	1,22	4.0	10	32.81	0
65.2021.095	9,5	3/8"	1,22	4.0	10	32.81	0
65.2021.127	12,7	1/2"	1,22	4.0	10	32.81	0

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.2121.016	1,6	1/16"	1,22	4.0	10	32.81	1
65.2121.032	3,2	1/8"	1,22	4.0	10	32.81	1
65.2121.048	4,8	3/16"	1,22	4.0	10	32.81	1
65.2121.064	6,4	1/4"	1,22	4.0	10	32.81	1

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.2221.032	3,2	1/8"	1,22	4.0	10	32.81	2
65.2221.048	4,8	3/16"	1,22	4.0	10	32.81	2
65.2221.064	6,4	1/4"	1,22	4.0	10	32.81	2

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Balflex[®] – The European Technology



Balflex® Rubber Sheet

Balflex® Nitrile (NBR) Rubber Sheet – 65.2041/2141/2241

Nitrile (NBR) rubber sheet black color with no insertion and with one or two insertions



Raw Material: black Nitrile (NBR)
Reinforcement: 0, 1 or 2 insertions
Hardness: 65 ± 5 Shore A
Tensile strength: 4.0 MPa
Elongation: 250%
Temperature: - 20°C to + 90°C (-4°F to 194°F)
Specific Gravity: 1.4g / cm³
Weather resistance: moderate resistance
UV resistance: moderate resistance
Oil resistance: good resistance
Gasoline and fuel resistance: resistant
Acid and solvents resistance: resistant
Abrasion resistance: moderate resistance
Strong bases: resistant
Impact resistance: resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.2041.008	0,8	1/32"	1,40	4.6	10	32.81	0
65.2041.016	1,6	1/16"	1,40	4.6	10	32.81	0
65.2041.032	3,2	1/8"	1,40	4.6	10	32.81	0
65.2041.048	4,8	3/16"	1,40	4.6	10	32.81	0
65.2041.064	6,4	1/4"	1,40	4.6	10	32.81	0
65.2041.079	7,9	5/16"	1,40	4.6	10	32.81	0
65.2041.095	9,5	3/8"	1,40	4.6	10	32.81	0
65.2041.127	12,7	1/2"	1,40	4.6	10	32.81	0

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.2141.016	1,6	1/16"	1,40	4.6	10	32.81	1
65.2141.032	3,2	1/8"	1,40	4.6	10	32.81	1
65.2141.048	4,8	3/16"	1,40	4.6	10	32.81	1
65.2141.064	6,4	1/4"	1,40	4.6	10	32.81	1

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.2241.032	3,2	1/8"	1,40	4.6	10	32.81	2
65.2241.048	4,8	3/16"	1,40	4.6	10	32.81	2
65.2241.064	6,4	1/4"	1,40	4.6	10	32.81	2

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Balflex® – The European Technology

Balflex[®] Rubber Sheet



Balflex[®] EPDM Rubber Sheet – 65.3021/3121/3221

EPDM rubber sheet black color with no insertion and with one or two insertions



Raw Material: black EPDM
Reinforcement: 0, 1 or 2 insertions
Hardness: 65 ± 5 Shore A
Tensile strength: 4.0 MPa
Elongation: 250%
Temperature: - 40°C to + 100°C (-40°F to 212°F)
Specific Gravity: 1.5g / cm³
Weather resistance: good resistance
UV resistance: good resistance
Oil resistance: non resistant
Gasoline and fuel resistance: non resistant
Acid and solvents resistance: non resistant
Abrasion resistance: moderate resistance
Strong bases: moderate resistance
Impact resistance: resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.3021.008	0,8	1/32"	1,22	4.0	10	32.81	0
65.3021.016	1,6	1/16"	1,22	4.0	10	32.81	0
65.3021.032	3,2	1/8"	1,22	4.0	10	32.81	0
65.3021.048	4,8	3/16"	1,22	4.0	10	32.81	0
65.3021.064	6,4	1/4"	1,22	4.0	10	32.81	0
65.3021.079	7,9	5/16"	1,22	4.0	10	32.81	0
65.3021.095	9,5	3/8"	1,22	4.0	10	32.81	0
65.3021.127	12,7	1/2"	1,22	4.0	10	32.81	0

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.3121.016	1,6	1/16"	1,22	4.0	10	32.81	1
65.3121.032	3,2	1/8"	1,22	4.0	10	32.81	1
65.3121.048	4,8	3/16"	1,22	4.0	10	32.81	1
65.3121.064	6,4	1/4"	1,22	4.0	10	32.81	1

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.3221.032	3,2	1/8"	1,22	4.0	10	32.81	2
65.3221.048	4,8	3/16"	1,22	4.0	10	32.81	2
65.3221.064	6,4	1/4"	1,22	4.0	10	32.81	2

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Balflex[®] – The European Technology



Balflex® Rubber Sheet

Balflex® EPDM Rubber Sheet – 65.3041/3141/3241

EPDM rubber sheet black color with no insertion and with one or two insertions



- Raw Material:** black EPDM
- Reinforcement:** 0, 1 or 2 insertions
- Hardness:** 65 ± 5 Shore A
- Tensile strength:** 4.0 MPa
- Elongation:** 250%
- Temperature:** - 40°C to + 100°C (-40°F to 212°F)
- Specific Gravity:** 1.5g / cm³
- Weather resistance:** good resistance
- UV resistance:** good resistance
- Oil resistance:** non resistant
- Gasoline and fuel resistance:** non resistant
- Acid and solvents resistance:** non resistant
- Abrasion resistance:** moderate resistance
- Strong bases:** moderate resistance
- Impact resistance:** resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.3041.008	0,8	1/32"	1,40	4.6	10	32.81	0
65.3041.016	1,6	1/16"	1,40	4.6	10	32.81	0
65.3041.032	3,2	1/8"	1,40	4.6	10	32.81	0
65.3041.048	4,8	3/16"	1,40	4.6	10	32.81	0
65.3041.064	6,4	1/4"	1,40	4.6	10	32.81	0
65.3041.079	7,9	5/16"	1,40	4.6	10	32.81	0
65.3041.095	9,5	3/8"	1,40	4.6	10	32.81	0
65.3041.127	12,7	1/2"	1,40	4.6	10	32.81	0

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.3141.016	1,6	1/16"	1,40	4.6	10	32.81	1
65.3141.032	3,2	1/8"	1,40	4.6	10	32.81	1
65.3141.048	4,8	3/16"	1,40	4.6	10	32.81	1
65.3141.064	6,4	1/4"	1,40	4.6	10	32.81	1

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.3241.032	3,2	1/8"	1,40	4.6	10	32.81	2
65.3241.048	4,8	3/16"	1,40	4.6	10	32.81	2
65.3241.064	6,4	1/4"	1,40	4.6	10	32.81	2

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Balflex® – The European Technology

Balflex® Rubber Sheet



Balflex® Neoprene Rubber Sheet – 65.4021/4121/4221

CR / Neoprene rubber sheet black color with no insertion and with one or two insertions



Raw Material: black CR / Neoprene
Reinforcement: 0, 1 or 2 insertions
Hardness: 65 ± 5 Shore A
Tensile strength: 4.0 MPa
Elongation: 250%
Temperature: - 30°C to + 70°C (-22°F to 158°F)
Specific Gravity: 1.5g / cm³
Weather resistance: satisfactorily resistant
UV resistance: satisfactorily resistant
Oil resistance: non resistant
Gasoline and fuel resistance: non resistant
Acid and solvents resistance: non resistant
Abrasion resistance: satisfactorily resistant
Strong bases: satisfactorily resistant
Impact resistance: satisfactorily resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.4021.008	0,8	1/32"	1,22	4.0	10	32.81	0
65.4021.016	1,6	1/16"	1,22	4.0	10	32.81	0
65.4021.032	3,2	1/8"	1,22	4.0	10	32.81	0
65.4021.048	4,8	3/16"	1,22	4.0	10	32.81	0
65.4021.064	6,4	1/4"	1,22	4.0	10	32.81	0
65.4021.079	7,9	5/16"	1,22	4.0	10	32.81	0
65.4021.095	9,5	3/8"	1,22	4.0	10	32.81	0
65.4021.127	12,7	1/2"	1,22	4.0	10	32.81	0

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.4121.016	1,6	1/16"	1,22	4.0	10	32.81	1
65.4121.032	3,2	1/8"	1,22	4.0	10	32.81	1
65.4121.048	4,8	3/16"	1,22	4.0	10	32.81	1
65.4121.064	6,4	1/4"	1,22	4.0	10	32.81	1

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.4221.032	3,2	1/8"	1,22	4.0	10	32.81	2
65.4221.048	4,8	3/16"	1,22	4.0	10	32.81	2
65.4221.064	6,4	1/4"	1,22	4.0	10	32.81	2

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Balflex® – The European Technology



Balflex® Rubber Sheet

Balflex® Neoprene Rubber Sheet – 65.4041/4141/4241

CR / Neoprene rubber sheet black color with no insertion and with one or two insertions



- Raw Material:** black CR / Neoprene
- Reinforcement:** 0, 1 or 2 insertions
- Hardness:** 65 ± 5 Shore A
- Tensile strength:** 4.0 MPa
- Elongation:** 250%
- Temperature:** - 30°C to + 70°C (-22°F to 158°F)
- Specific Gravity:** 1.5g / cm³
- Weather resistance:** satisfactorily resistant
- UV resistance:** satisfactorily resistant
- Oil resistance:** non resistant
- Gasoline and fuel resistance:** non resistant
- Acid and solvents resistance:** non resistant
- Abrasion resistance:** satisfactorily resistant
- Strong bases:** satisfactorily resistant
- Impact resistance:** satisfactorily resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.4041.008	0,8	1/32"	1,40	4.6	10	32.81	0
65.4041.016	1,6	1/16"	1,40	4.6	10	32.81	0
65.4041.032	3,2	1/8"	1,40	4.6	10	32.81	0
65.4041.048	4,8	3/16"	1,40	4.6	10	32.81	0
65.4041.064	6,4	1/4"	1,40	4.6	10	32.81	0
65.4041.079	7,9	5/16"	1,40	4.6	10	32.81	0
65.4041.095	9,5	3/8"	1,40	4.6	10	32.81	0
65.4041.127	12,7	1/2"	1,40	4.6	10	32.81	0

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.4141.016	1,6	1/16"	1,40	4.6	10	32.81	1
65.4141.032	3,2	1/8"	1,40	4.6	10	32.81	1
65.4141.048	4,8	3/16"	1,40	4.6	10	32.81	1
65.4141.064	6,4	1/4"	1,40	4.6	10	32.81	1

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.4241.032	3,2	1/8"	1,40	4.6	10	32.81	2
65.4241.048	4,8	3/16"	1,40	4.6	10	32.81	2
65.4241.064	6,4	1/4"	1,40	4.6	10	32.81	2

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Balflex® – The European Technology



Balflex® Food Grade Rubber Sheet – 65.5021/5121/5221

Food grade rubber sheet white color (SBR quality) with no insertion and with one or two insertions

Food Grade Rubber Sheet (White Color – SBR quality)

Non suitable for fatty food



- Raw Material:** white
- Reinforcement:** 0,1 or 2 insertions
- Hardness:** 60 ± 5 Shore A
- Tensile strength:** 5.0 MPa
- Elongation:** 400%
- Temperature:** - 30°C to + 70°C (-22°F to 158°F)
- Specific Gravity:** 1.5g / cm³
- Weather resistance:** non resistant
- UV resistance:** non resistant
- Oil resistance:** non resistant
- Gasoline and fuel resistance:** non resistant
- Acid and solvents resistance:** satisfactorily resistant
- Abrasion resistance:** satisfactorily resistant
- Strong bases:** resistant
- Impact resistance:** satisfactorily resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.5021.008	0,8	1/32"	1,22	4.0	10	32.81	0
65.5021.016	1,6	1/16"	1,22	4.0	10	32.81	0
65.5021.032	3,2	1/8"	1,22	4.0	10	32.81	0
65.5021.048	4,8	3/16"	1,22	4.0	10	32.81	0
65.5021.064	6,4	1/4"	1,22	4.0	10	32.81	0
65.5021.079	7,9	5/16"	1,22	4.0	10	32.81	0
65.5021.095	9,5	3/8"	1,22	4.0	10	32.81	0
65.5021.127	12,7	1/2"	1,22	4.0	10	32.81	0
65.5121.016	1,6	1/16"	1,22	4.0	10	32.81	1
65.5121.032	3,2	1/8"	1,22	4.0	10	32.81	1
65.5121.048	4,8	3/16"	1,22	4.0	10	32.81	1
65.5121.064	6,4	1/4"	1,22	4.0	10	32.81	1
65.5221.032	3,2	1/8"	1,22	4.0	10	32.81	2
65.5221.048	4,8	3/16"	1,22	4.0	10	32.81	2
65.5221.064	6,4	1/4"	1,22	4.0	10	32.81	2

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Balflex® – The European Technology



Balflex® Food Grade Rubber Sheet – 65.5041/5141/5241

Food grade rubber sheet white color (SBR quality) with no insertion and with one or two insertions

Food Grade Rubber Sheet (White Color – SBR quality)

Non suitable for fatty food



- Raw Material:** white
- Reinforcement:** 0,1 or 2 insertions
- Hardness:** 60 ± 5 Shore A
- Tensile strength:** 5.0 MPa
- Elongation:** 400%
- Temperature:** - 30°C to + 70°C (-22°F to 158°F)
- Specific Gravity:** 1.5g / cm³
- Weather resistance:** non resistant
- UV resistance:** non resistant
- Oil resistance:** non resistant
- Gasoline and fuel resistance:** non resistant
- Acid and solvents resistance:** satisfactorily resistant
- Abrasion resistance:** satisfactorily resistant
- Strong bases:** resistant
- Impact resistance:** satisfactorily resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.5041.008	0,8	1/32"	1,40	4.6	10	32.81	0
65.5041.016	1,6	1/16"	1,40	4.6	10	32.81	0
65.5041.032	3,2	1/8"	1,40	4.6	10	32.81	0
65.5041.048	4,8	3/16"	1,40	4.6	10	32.81	0
65.5041.064	6,4	1/4"	1,40	4.6	10	32.81	0
65.5041.079	7,9	5/16"	1,40	4.6	10	32.81	0
65.5041.095	9,5	3/8"	1,40	4.6	10	32.81	0
65.5041.127	12,7	1/2"	1,40	4.6	10	32.81	0
65.5141.016	1,6	1/16"	1,40	4.6	10	32.81	1
65.5141.032	3,2	1/8"	1,40	4.6	10	32.81	1
65.5141.048	4,8	3/16"	1,40	4.6	10	32.81	1
65.5141.064	6,4	1/4"	1,40	4.6	10	32.81	1
65.5241.032	3,2	1/8"	1,40	4.6	10	32.81	2
65.5241.048	4,8	3/16"	1,40	4.6	10	32.81	2
65.5241.064	6,4	1/4"	1,40	4.6	10	32.81	2

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Balflex® – The European Technology



Balflex[®] Food Grade Rubber Sheet – 65.6021/6121/6221

Food grade rubber sheet white color (NBR quality) with no insertion and with one and two insertions

Food Grade Rubber Sheet (White Color – NBR quality)

Non suitable for fatty food



Raw Material: white
Reinforcement: no insertion
Hardness: 60 ± 5 Shore A
Tensile strength: 5.0 MPa
Elongation: 400%
Temperature: - 30°C to + 70°C (-22°F to 158°F)
Specific Gravity: 1.5g / cm³
Weather resistance: non resistant
UV resistance: non resistant
Oil resistance: non resistant
Gasoline and fuel resistance: non resistant
Acid and solvents resistance: satisfactorily resistant
Abrasion resistance: satisfactorily resistant
Strong bases: resistant
Impact resistance: satisfactorily resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.6021.008	0,8	1/32"	1,22	4.0	10	32.81	0
65.6021.016	1,6	1/16"	1,22	4.0	10	32.81	0
65.6021.032	3,2	1/8"	1,22	4.0	10	32.81	0
65.6021.048	4,8	3/16"	1,22	4.0	10	32.81	0
65.6021.064	6,4	1/4"	1,22	4.0	10	32.81	0
65.6021.079	7,9	5/16"	1,22	4.0	10	32.81	0
65.6021.095	9,5	3/8"	1,22	4.0	10	32.81	0
65.6021.127	12,7	1/2"	1,22	4.0	10	32.81	0
65.6121.016	1,6	1/16"	1,22	4.0	10	32.81	1
65.6121.032	3,2	1/8"	1,22	4.0	10	32.81	1
65.6121.048	4,8	3/16"	1,22	4.0	10	32.81	1
65.6121.064	6,4	1/4"	1,22	4.0	10	32.81	1
65.6221.032	3,2	1/8"	1,22	4.0	10	32.81	2
65.6221.048	4,8	3/16"	1,22	4.0	10	32.81	2
65.6221.064	6,4	1/4"	1,22	4.0	10	32.81	2

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Balflex® Food Grade Rubber Sheet – 65.6041/6141/6241

Food grade rubber sheet white color (NBR quality) with no insertion and with one and two insertions

Food Grade Rubber Sheet (White Color – NBR quality)

Non suitable for fatty food



- Raw Material:** white
- Reinforcement:** no insertion
- Hardness:** 60 ± 5 Shore A
- Tensile strength:** 5.0 MPa
- Elongation:** 400%
- Temperature:** - 30°C to + 70°C (-22°F to 158°F)
- Specific Gravity:** 1.5g / cm³
- Weather resistance:** non resistant
- UV resistance:** non resistant
- Oil resistance:** non resistant
- Gasoline and fuel resistance:** non resistant
- Acid and solvents resistance:** satisfactorily resistant
- Abrasion resistance:** satisfactorily resistant
- Strong bases:** resistant
- Impact resistance:** satisfactorily resistant

Part. Number	Thickness		Width		Length		Nr. of insertions
	mm	inch	m	feet	m	feet	
65.6041.008	0,8	1/32"	1,40	4.6	10	32.81	0
65.6041.016	1,6	1/16"	1,40	4.6	10	32.81	0
65.6041.032	3,2	1/8"	1,40	4.6	10	32.81	0
65.6041.048	4,8	3/16"	1,40	4.6	10	32.81	0
65.6041.064	6,4	1/4"	1,40	4.6	10	32.81	0
65.6041.079	7,9	5/16"	1,40	4.6	10	32.81	0
65.6041.095	9,5	3/8"	1,40	4.6	10	32.81	0
65.6041.127	12,7	1/2"	1,40	4.6	10	32.81	0
65.6141.016	1,6	1/16"	1,40	4.6	10	32.81	1
65.6141.032	3,2	1/8"	1,40	4.6	10	32.81	1
65.6141.048	4,8	3/16"	1,40	4.6	10	32.81	1
65.6141.064	6,4	1/4"	1,40	4.6	10	32.81	1
65.6241.032	3,2	1/8"	1,40	4.6	10	32.81	2
65.6241.048	4,8	3/16"	1,40	4.6	10	32.81	2
65.6241.064	6,4	1/4"	1,40	4.6	10	32.81	2

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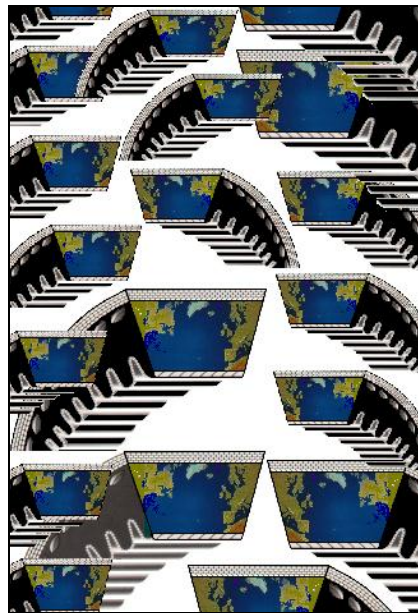
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Balflex®

wrapped and raw edge cogged V-belts for power transmission



Classic	Evolution	Extreme	Platinum
Z, A, B, C, D, E	SPZ, SPA, SPB, SPC	3V, 5V, 8V	AX, BX, CX
	Titanium	Autoplus	
	SPZX, SPAX, SPBX	10AVX, 13AVX	

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Balflex® Power Transmission V-Belts

Balflex® Classic V-Belts

Balflex® Classic is the classic trapezoidal V-belt range of **Balflex®**, according to **DIN 2215** and **MPTA-RMA-RAC IP-20** standards. **Classic V-belts** are economic and versatile, low-maintenance means of power transmission. **Balflex®** has optimized the construction of these classic transmission belts in order to assure top rated performance. Among their features are:

Low elongation: Specially treated high strength polyester cords allow lower elongation and higher resistance to bending fatigue, and thus more efficient power transmission, less readjustment needs and higher service life

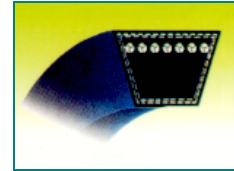
High efficiency: The high strength and high flexibility of the belt ensure high efficiency

Heat and oil resistance: Special synthetic rubber compound of the body and cover impregnation allows better resistance to heat and oil, and higher service life ^{a)}

Electric conductivity: Special synthetic rubber compound of the body and cover impregnation allows better electrical conductivity in order to achieve anti-static characteristics ^{a)}

Dimensional Stability: Dimensional checks assure high uniformity of belt weight and pitch line along all length

Balflex® Classic V-belts are supplied in the following profiles:



All **Balflex®** V-Belts are branded:

OIL & HEAT
RESISTANT
ANTI-STATIC

Belt Profile	Cross-Section (W x H)	
	inch	mm
Z	3/8 x 1/4	10 x 6
A	1/2 x 5/16	13 x 9
B	2/3 x 2/5	17 x 11
C	7/8 x 17/32	22 x 13
D	1-1/4 x 3/4	32 x 19
E	1-1/2 x 1	38 x 26

Balflex® Classic V-belts are identified by the profile type and by the pitch length. Every profile is manufactured in standard lengths, shown in the catalogue pages.

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Balflex® Power Transmission V-Belts



Drive Design

Design Power: The nominal power of the drive should be corrected by a service factor relating the type of driving unit, the type of driven unit and the daily service hours:

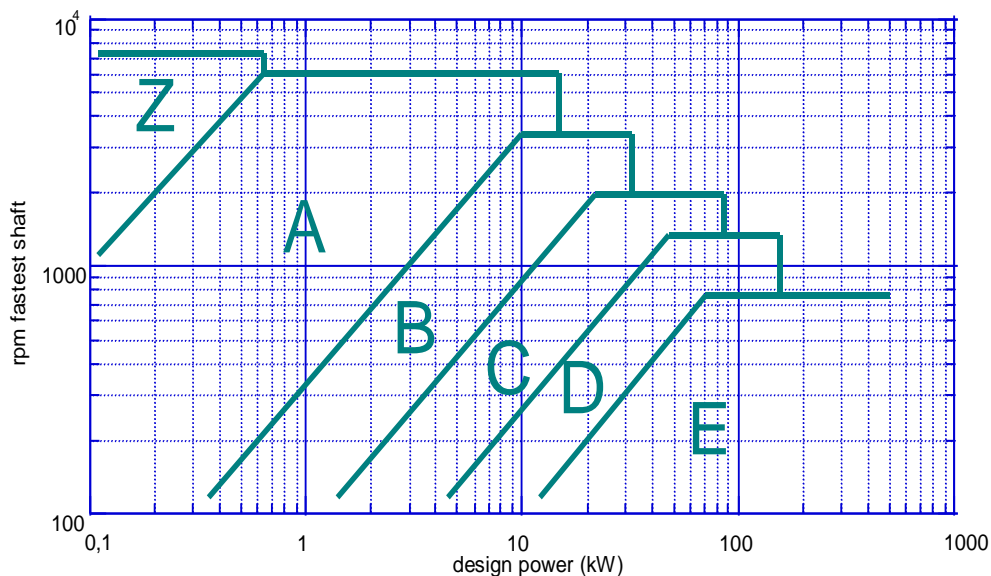
$$P_{\text{design}} = P_{\text{nominal}} \times f_{\text{service}}$$

Table 1: Suggested service factors (f_{service}) for Classic V-belts

Types of driven units	Types of driving units					
	Normal torque AC and DC motors DC shunt wound motors Internal combustion engines above 600 rpm			High torque AC and DC motors DC series and compound wound motors Internal combustion engines up to 600 rpm		
	daily operating hours			daily operating hours		
	<10	10-16	>16	<10	10-16	>16
Light duty light duty conveyors, centrifugal pumps and compressors, fans and pumps up to 7,5 kW	1,0	1,1	1,2	1,1	1,2	1,3
Normal duty granulate conveyors, punches, presses, shears, vibrating screens, dough mixers, generators, printing machinery, washing machines, fans and pumps over 7,5 kW	1,1	1,2	1,3	1,2	1,3	1,4
Heavy duty Drag-pan-screw conveyors, piston pumps and compressors, elevators, brick presses, textile machinery, paper mill machinery, saw mill machinery, hammer mills	1,2	1,3	1,4	1,4	1,5	1,6
Very heavy duty crushers, calenders, mixers, hoists, cranes	1,3	1,4	1,5	1,5	1,6	1,8

Belt profile selection: The belt profile suitable for the power transmission should be selected from the following graph, relating the calculated design power with the speed of the fastest shaft:

Figure 1: Suggested cross-section selection of Classic V-belts



Speed ratio (R) calculation: The speed ratio is the quotient of faster and slower shaft speed:

$$R = \text{rpm of faster shaft} / \text{rpm of slower shaft}$$

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Drive Design (cont.)

Sheave diameter (D) selection: If the space requirements or other constraints do not impose a specific sheave diameter, choose a sheave diameter for the slowest shaft close to the maximum speed recommended for classic V-belts (30 m/s):

$$D_1 \text{ (mm)} = 3.600.000 / \text{rpm of slower shaft}$$

Choose the next smallest standard sheave diameter as D_1 and divide by the speed ratio (R) to find the diameter D_2 of the other sheave.

$$D_1 \text{ (mm)} / R = D_2 \text{ (mm)}$$

If the value for D_2 is not a standard sheave value, restart the iteration by picking as a new value for D_1 the next smallest sheave diameter. Repeat until you find a suitable pair of standard sheave diameters.

Belt length (L) calculation: The approximate belt length is

$$L_1 \text{ (mm)} = 2 * C_1 + 1,571 * (D_1 + D_2) + (D_1 - D_2)^2 / 4 * C_1$$

where C is the centre distance (distance between the axis of the two shafts). The value for the centre distance should be taken between $0,7$ and $2,0 * (D_1 + D_2)$.

Belt length (L) selection: Choose from the catalogue the nearest standard length (L) available and recalculate the design centre distance:

$$C \text{ (mm)} = A + (A^2 - B)^{1/2}$$

$$\text{where } A = 0,25 * L - 0,393 (D_1 + D_2) \\ B = 0,125 * (D_1 - D_2)^2$$

Find power rating (P_1): Look up in the catalogue pages the power rating of the belt with the chosen cross-section. Power rating appears as the maximum power (in kW) recommended at variable sheave diameters (D), shaft speed (rpm) and speed ratios (R).

Power rating is given in the catalogue tables for a particular arc of contact (180°) and for a particular belt length. The value P_1 has therefore to be adapted to actual design geometry:

$$P \text{ (kW)} = P_1 * f_{\text{arc}} * f_{\text{length}}$$

The correction factors f_{arc} and f_{length} are given in tables 2 and 3.

Installation and Maintenance

Sheave alignment: Check the alignment of the sheaves. Sheave alignment should be kept at less than $0,5^\circ$. Incorrect alignment will result in shorter service life.

Pulley maintenance: Verify that the bearings of the pulleys are properly maintained. Verify that the grooves are not worn out, greased or rusted. When using multiple belt transmission verify that the grooves have equal dimensions. Do not use sets of mixed old and new belts.

Installation: Use the installation allowance to place the belts in the grooves without forcing. Do not use a lever to force the belt into the groove. Locate the belt first on the smaller pulley. Do not use any greases, waxes or belt dressing. Oil resistance of the belt is limited and additives can harm seriously the belt.

Belt tensioning: The belt should be enough tensioned in order not to slip at maximum load. Excessive tension will reduce belt life. Run the drive briefly to seat the belt properly. As a rule of thumb, the deflection of the belt should be 1,5% of the unsupported belt span, when the deflection force F (from table 4) is applied with a spring scale mid-way between pulleys. Correct belt tensioning through the take-up allowance. Repeat the process until the proper deflection is measured. Verify and readjust, if necessary, belt tensioning after 20 working hours and then periodically every 200 working hours.

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Table 2: Arc of contact correction factors (f_{arc})

(D1 - D2) / C	0	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1,0	1,1	1,2	1,3	1,4
arc of contact (°)	180	174	169	163	157	151	145	139	133	127	120	113	106	99	91
f_{arc}	1	0,99	0,97	0,96	0,94	0,93	0,91	0,89	0,87	0,85	0,82	0,80	0,77	0,73	0,7

Table 3: Belt length correction factors (f_{length})

L	Cross-section					
	Z	A	B	C	D	E
500	0,80					
550	0,83					
600	0,84					
650	0,86					
700	0,88					
750	0,89	0,80				
800	0,90	0,82				
850	0,91	0,83				
900	0,93	0,84				
950	0,94	0,85	0,80			
1000	0,96	0,87	0,81			
1050	0,97	0,88	0,82			
1100	0,98	0,89	0,83			
1150	0,99	0,90	0,84			
1200	1,00	0,90	0,85			
1250	1,01	0,91	0,86			
1300	1,02	0,92	0,87			
1350	1,03	0,93	0,88			
1400	1,04	0,94	0,89	0,80		
1450	1,05	0,95	0,89	0,80		
1500	1,06	0,96	0,90	0,81		
1600	1,07	0,97	0,91	0,83		
1700	1,08	0,99	0,93	0,84		
1800	1,10	1,00	0,94	0,85		
1900	1,11	1,01	0,95	0,87		
2000	1,12	1,02	0,96	0,88		
2100	1,14	1,04	0,98	0,89		
2200		1,05	0,99	0,89		
2300		1,06	1,00	0,90		
2400		1,07	1,00	0,91		
2500		1,08	1,01	0,92		
2600		1,09	1,02	0,92		
2700		1,10	1,03	0,93		
2800		1,11	1,04	0,94		
2900		1,12	1,05	0,94		
3000		1,12	1,05	0,95		
3200		1,14	1,06	0,96	0,88	
3400			1,08	0,98	0,89	
3600			1,09	0,99	0,90	
3800			1,10	1,00	0,91	
4000			1,11	1,01	0,92	
4200			1,13	1,03	0,93	
4400			1,14	1,04	0,94	
4600			1,15	1,05	0,94	
4800			1,16	1,05	0,95	
5000			1,17	1,06	0,96	
5500			1,19	1,07	0,98	0,88
6000			1,21	1,09	0,99	0,89
6500			1,23	1,12	1,01	0,90
7000			1,24	1,13	1,02	0,91
7500			1,26	1,15	1,03	0,93
8000				1,16	1,04	0,94
8500				1,17	1,05	0,95
9000				1,19	1,06	0,96
9500					1,08	0,97

Table 4: Belt deflection force (F) for belt tensioning

	Z	A	B	C	D	E
F (N)	20	35	60	100	200	300

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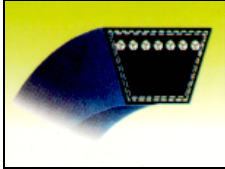
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Balflex® Power Transmission V-Belts

Balflex® Classic V-Belt type Z – 60.Z

classical trapezoidal 10 x 6 mm wrapped type V-belts for industrial power transmission



According to **DIN 2215** standard cross-section Z
corresponds to JIS cross-section type M

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
- Tension member:** high strength low elongation PE cords
- Body:** compression fatigue and heat resistant synthetic rubber
- Cross-section:** 10 x 6 mm (0,38" x 0,25")
- Use:** industrial power transmission

Part Number	L		Part Number	L	
	inch	mm		inch	mm
60.Z 14	14	355	60.Z 47	47	1195
60.Z 15	15	380	60.Z 48	48	1219
60.Z 16	16	405	60.Z 49	49	1245
60.Z 17	17	430	60.Z 50	50	1270
60.Z 18	18	460	60.Z 51	51	1295
60.Z 19	19	483	60.Z 52	52	1320
60.Z 20	20	508	60.Z 53	53	1346
60.Z 21	21	533	60.Z 54	54	1372
60.Z 22	22	560	60.Z 55	55	1397
60.Z 23	23	585	60.Z 56	56	1422
60.Z 24	24	610	60.Z 57	57	1448
60.Z 25	25	635	60.Z 58	58	1437
60.Z 26	26	660	60.Z 59	59	1500
60.Z 27	27	685	60.Z 60	60	1525
60.Z 28	28	710	60.Z 61	61	1550
60.Z 29	29	737	60.Z 62	62	1575
60.Z 30	30	762	60.Z 63	63	1600
60.Z 31	31	787	60.Z 64	64	1625
60.Z 32	32	813	60.Z 65	65	1651
60.Z 33	33	838	60.Z 66	66	1676
60.Z 34	34	865	60.Z 67	67	1702
60.Z 35	35	890	60.Z 68	68	1727
60.Z 36	36	915	60.Z 69	69	1753
60.Z 37	37	940	60.Z 70	70	1778
60.Z 38	38	965	60.Z 71	71	1803
60.Z 39	39	990	60.Z 72	72	1830
60.Z 40	40	1015	60.Z 73	73	1854
60.Z 41	41	1041	60.Z 74	74	1880
60.Z 42	42	1067	60.Z 75	75	1905
60.Z 43	43	1092	60.Z 76	76	1930
60.Z 44	44	1118	60.Z 77	77	1955
60.Z 45	45	1143	60.Z 78	78	1980
60.Z 46	46	1168	60.Z 79	79	2007

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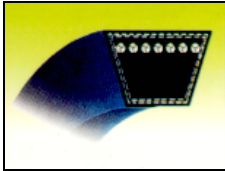
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Balflex® Power Transmission V-Belts



Balflex® Classic V-Belt type Z – 60.Z



Power rating (kW)

D	R	rpm fastest shaft																	
		200	400	700	800	950	1200	1450	1600	2000	2400	2800	3200	3600	4000	4500	5000	6000	7000
50	1	0,019	0,031	0,047	0,051	0,057	0,066	0,073	0,077	0,087	0,094	0,099	0,103	0,105	0,105	0,105	0,105	0,101	0,095
	1,05	0,019	0,033	0,049	0,054	0,060	0,070	0,078	0,083	0,094	0,102	0,109	0,114	0,117	0,119	0,120	0,120	0,118	0,115
	1,2	0,020	0,035	0,053	0,058	0,065	0,076	0,086	0,092	0,105	0,115	0,124	0,132	0,136	0,139	0,142	0,144	0,145	0,144
	1,5	0,022	0,037	0,057	0,062	0,070	0,083	0,094	0,100	0,115	0,128	0,139	0,149	0,155	0,160	0,164	0,167	0,171	0,173
	3	0,022	0,038	0,058	0,064	0,072	0,085	0,097	0,103	0,119	0,133	0,144	0,154	0,162	0,167	0,172	0,175	0,180	0,182
60	1	0,028	0,049	0,075	0,083	0,094	0,112	0,128	0,137	0,159	0,178	0,195	0,209	0,219	0,227	0,234	0,239	0,246	0,249
	1,05	0,029	0,050	0,078	0,086	0,098	0,116	0,133	0,143	0,166	0,186	0,205	0,220	0,232	0,240	0,249	0,254	0,264	0,269
	1,2	0,030	0,052	0,081	0,090	0,103	0,123	0,141	0,151	0,177	0,199	0,220	0,238	0,251	0,261	0,271	0,278	0,291	0,298
	1,5	0,031	0,055	0,085	0,095	0,108	0,129	0,149	0,160	0,187	0,212	0,235	0,255	0,270	0,281	0,293	0,301	0,317	0,327
	3	0,031	0,055	0,086	0,096	0,110	0,131	0,151	0,163	0,191	0,217	0,240	0,261	0,276	0,288	0,300	0,309	0,326	0,336
75	1	0,042	0,074	0,117	0,130	0,150	0,179	0,207	0,223	0,263	0,299	0,332	0,361	0,382	0,399	0,415	0,426	0,447	0,458
	1,05	0,042	0,076	0,120	0,133	0,153	0,184	0,213	0,229	0,270	0,308	0,342	0,372	0,395	0,412	0,430	0,442	0,465	0,477
	1,2	0,043	0,078	0,124	0,138	0,158	0,190	0,220	0,238	0,281	0,321	0,357	0,390	0,414	0,433	0,452	0,465	0,491	0,506
	1,5	0,045	0,080	0,127	0,142	0,163	0,197	0,228	0,246	0,292	0,334	0,372	0,407	0,433	0,453	0,474	0,489	0,518	0,535
	3	0,045	0,081	0,129	0,143	0,165	0,199	0,231	0,249	0,295	0,338	0,377	0,413	0,439	0,460	0,481	0,496	0,527	0,545
90	1	0,055	0,099	0,158	0,177	0,203	0,245	0,285	0,307	0,364	0,416	0,462	0,504	0,535	0,558	0,581	0,596	0,625	0,638
	1,05	0,056	0,101	0,161	0,180	0,207	0,250	0,290	0,313	0,371	0,424	0,472	0,516	0,548	0,572	0,596	0,612	0,642	0,658
	1,2	0,057	0,103	0,165	0,184	0,212	0,256	0,298	0,322	0,382	0,437	0,488	0,533	0,567	0,592	0,618	0,635	0,669	0,687
	1,5	0,058	0,105	0,168	0,188	0,217	0,262	0,306	0,330	0,393	0,450	0,503	0,550	0,586	0,613	0,640	0,659	0,696	0,716
	3	0,058	0,106	0,170	0,190	0,219	0,265	0,308	0,333	0,396	0,454	0,508	0,556	0,592	0,619	0,647	0,667	0,704	0,725
100	1	0,064	0,116	0,185	0,207	0,238	0,288	0,335	0,362	0,429	0,491	0,546	0,595	0,630	0,657	0,683	0,699	0,729	0,741
	1,05	0,065	0,117	0,188	0,210	0,242	0,293	0,340	0,368	0,437	0,499	0,556	0,606	0,643	0,670	0,697	0,715	0,747	0,760
	1,2	0,066	0,119	0,192	0,214	0,247	0,299	0,348	0,376	0,447	0,512	0,571	0,623	0,662	0,691	0,720	0,739	0,773	0,789
	1,5	0,067	0,121	0,195	0,218	0,252	0,305	0,356	0,385	0,458	0,525	0,586	0,641	0,681	0,711	0,742	0,762	0,800	0,818
	3	0,067	0,122	0,197	0,220	0,254	0,308	0,359	0,388	0,462	0,529	0,591	0,646	0,687	0,718	0,749	0,770	0,809	0,828
112	1	0,074	0,135	0,217	0,243	0,280	0,339	0,394	0,426	0,506	0,578	0,642	0,698	0,738	0,767	0,795	0,812	0,838	
	1,05	0,075	0,137	0,220	0,246	0,283	0,343	0,400	0,432	0,513	0,586	0,652	0,709	0,751	0,781	0,809	0,827	0,856	
	1,2	0,076	0,139	0,223	0,250	0,288	0,350	0,407	0,441	0,524	0,599	0,667	0,727	0,770	0,801	0,832	0,851	0,883	
	1,5	0,077	0,141	0,227	0,254	0,294	0,356	0,415	0,449	0,534	0,612	0,682	0,744	0,789	0,822	0,854	0,874	0,909	
	3	0,078	0,142	0,228	0,256	0,295	0,358	0,418	0,452	0,538	0,616	0,687	0,750	0,795	0,829	0,861	0,882	0,918	
125	1	0,085	0,156	0,251	0,281	0,324	0,393	0,457	0,494	0,586	0,668	0,741	0,803	0,846	0,876	0,903	0,918		
	1,05	0,086	0,157	0,254	0,284	0,328	0,397	0,462	0,500	0,593	0,677	0,751	0,814	0,858	0,890	0,918	0,934		
	1,2	0,087	0,160	0,257	0,288	0,333	0,404	0,470	0,509	0,604	0,690	0,766	0,832	0,877	0,910	0,940	0,957		
	1,5	0,088	0,162	0,261	0,293	0,338	0,410	0,478	0,517	0,615	0,703	0,781	0,849	0,896	0,931	0,962	0,981		
	3	0,089	0,162	0,262	0,294	0,340	0,412	0,481	0,520	0,618	0,707	0,786	0,854	0,903	0,937	0,969	0,989		
140	1	0,098	0,180	0,290	0,324	0,375	0,454	0,528	0,570	0,675	0,768	0,848	0,914	0,958	0,987	1,010			
	1,05	0,099	0,181	0,292	0,327	0,378	0,458	0,533	0,576	0,683	0,777	0,858	0,926	0,971	1,000	1,024			
	1,2	0,100	0,183	0,296	0,332	0,383	0,465	0,541	0,585	0,693	0,790	0,873	0,943	0,990	1,021	1,046			
	1,5	0,101	0,185	0,300	0,336	0,388	0,471	0,549	0,593	0,704	0,803	0,888	0,960	1,009	1,041	1,069			
	3	0,101	0,186	0,301	0,337	0,390	0,473	0,552	0,596	0,708	0,807	0,893	0,966	1,015	1,048	1,076			
160	1	0,115	0,211	0,341	0,381	0,440	0,533	0,620	0,669	0,789	0,893	0,979	1,046	1,086					
	1,05	0,116	0,212	0,343	0,384	0,444	0,537	0,625	0,675	0,796	0,902	0,989	1,058	1,099					
	1,2	0,117	0,214	0,347	0,388	0,449	0,544	0,633	0,683	0,807	0,915	1,004	1,075	1,118					
	1,5	0,118	0,217	0,351	0,393	0,454	0,550	0,641	0,692	0,818	0,927	1,019	1,092	1,137					
	3	0,118	0,217	0,352	0,394	0,455	0,552	0,643	0,695	0,821	0,932	1,024	1,098	1,143					

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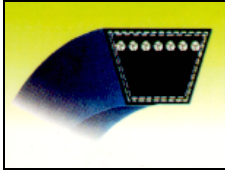
Balflex® – The European Technology



Balflex® Power Transmission V-Belts

Balflex® Classic V-Belt type A – 60.A

classic trapezoidal 13 x 9 mm wrapped type V-belts for industrial power transmission



According to **DIN 2215** standard cross-section A According to **MPTA-RMA-RAC IP-20** standard cross-section A

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
Tension member: high strength low elongation PE cords
Body: compression fatigue and heat resistant synthetic rubber
Cross-section: 13 x 9 mm (0,51" x 0,35")
Use: industrial power transmission

Part Number	L		Part Number	L		Part Number	L	
	inch	mm		inch	mm		inch	mm
60.A 019	19	480	60.A 057	57	1450	60.A 095	95	2413
60.A 020	20	508	60.A 058	58	1475	60.A 096	96	2438
60.A 021	21	535	60.A 059	59	1500	60.A 097	97	2464
60.A 022	22	560	60.A 060	60	1525	60.A 098	98	2490
60.A 023	23	587	60.A 061	61	1550	60.A 099	99	2515
60.A 024	24	610	60.A 062	62	1575	60.A 100	100	2540
60.A 025	25	637	60.A 063	63	1600	60.A 101	101	2565
60.A 026	26	660	60.A 064	64	1625	60.A 102	102	2591
60.A 027	27	686	60.A 065	65	1650	60.A 103	103	2616
60.A 028	28	710	60.A 066	66	1676	60.A 104	104	2642
60.A 029	29	737	60.A 067	67	1700	60.A 105	105	2667
60.A 030	30	767	60.A 068	68	1725	60.A 106	106	2692
60.A 031	31	787	60.A 069	69	1750	60.A 107	107	2718
60.A 032	32	813	60.A 070	70	1775	60.A 108	108	2743
60.A 033	33	838	60.A 071	71	1800	60.A 109	109	2770
60.A 034	34	867	60.A 072	72	1825	60.A 110	110	2800
60.A 035	35	900	60.A 073	73	1854	60.A 111	111	2819
60.A 036	36	914	60.A 074	74	1880	60.A 112	112	2845
60.A 037	37	942	60.A 075	75	1900	60.A 113	113	2870
60.A 038	38	965	60.A 076	76	1930	60.A 114	114	2896
60.A 039	39	992	60.A 077	77	1956	60.A 116	116	2946
60.A 040	40	1016	60.A 078	78	1980	60.A 117	117	2972
60.A 041	41	1041	60.A 079	79	2000	60.A 118	118	2997
60.A 042	42	1067	60.A 080	80	2032	60.A 119	119	3023
60.A 043	43	1100	60.A 081	81	2060	60.A 120	120	3048
60.A 044	44	1120	60.A 082	82	2083	60.A 121	121	3073
60.A 045	45	1143	60.A 083	83	2100	60.A 124	124	3150
60.A 046	46	1168	60.A 084	84	2134	60.A 125	125	3175
60.A 047	47	1200	60.A 085	85	2160	60.A 126	126	3200
60.A 048	48	1220	60.A 086	86	2187	60.A 127	127	3225
60.A 049	49	1250	60.A 087	87	2212	60.A 128	128	3251
60.A 050	50	1270	60.A 088	88	2240	60.A 129	129	3277
60.A 051	51	1300	60.A 089	89	2267	60.A 130	130	3302
60.A 052	52	1320	60.A 090	90	2286	60.A 131	131	3327
60.A 053	53	1346	60.A 091	91	2311	60.A 132	132	3353
60.A 054	54	1372	60.A 092	92	2337	60.A 134	134	3404
60.A 055	55	1400	60.A 093	93	2360	60.A 136	136	3454
60.A 056	56	1422	60.A 094	94	2388	60.A 140	140	3550

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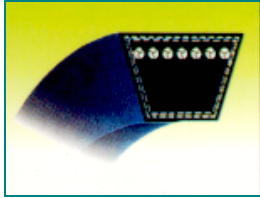
Balflex® – The European Technology



Balflex® Power Transmission V-Belts

Balflex® Classic V-Belt type A – 60.A

classic trapezoidal 13 x 9 mm wrapped type V-belts for industrial power transmission



Power rating (kW)

D	R	rpm fastest shaft																	
		200	400	700	800	950	1200	1450	1600	2000	2400	2800	3200	3600	4000	4500	5000	5500	6000
75	1	0,22	0,38	0,58	0,64	0,73	0,86	0,98	1,05	1,21	1,35	1,47	1,58	1,64	1,69	1,73	1,76	1,77	1,78
	1,05	0,22	0,39	0,60	0,66	0,75	0,89	1,02	1,09	1,27	1,42	1,55	1,66	1,74	1,80	1,85	1,88	1,89	1,90
	1,2	0,23	0,41	0,63	0,70	0,79	0,94	1,08	1,16	1,35	1,52	1,67	1,79	1,89	1,95	2,02	2,06	2,08	2,09
	1,5	0,24	0,42	0,66	0,73	0,83	0,99	1,14	1,22	1,43	1,62	1,78	1,93	2,03	2,11	2,18	2,23	2,27	2,28
	3	0,24	0,43	0,67	0,74	0,85	1,01	1,16	1,25	1,46	1,65	1,82	1,97	2,08	2,16	2,24	2,29	2,33	2,34
90	1	0,30	0,53	0,84	0,93	1,07	1,27	1,47	1,58	1,85	2,09	2,30	2,49	2,62	2,71	2,80	2,86	2,89	2,91
	1,05	0,31	0,55	0,86	0,95	1,09	1,31	1,51	1,62	1,90	2,15	2,38	2,57	2,71	2,82	2,92	2,98	3,02	3,04
	1,2	0,31	0,56	0,89	0,99	1,13	1,36	1,57	1,69	1,98	2,25	2,49	2,70	2,86	2,97	3,08	3,16	3,20	3,22
	1,5	0,32	0,58	0,91	1,02	1,17	1,40	1,63	1,75	2,07	2,35	2,61	2,83	3,00	3,13	3,25	3,34	3,39	3,41
	3	0,33	0,58	0,92	1,03	1,18	1,42	1,64	1,77	2,09	2,38	2,64	2,88	3,05	3,18	3,31	3,40	3,45	3,48
100	1	0,36	0,64	1,01	1,12	1,29	1,54	1,78	1,92	2,26	2,56	2,83	3,06	3,23	3,35	3,47	3,54	3,58	3,60
	1,05	0,36	0,65	1,03	1,14	1,31	1,58	1,82	1,96	2,31	2,63	2,91	3,15	3,33	3,46	3,58	3,66	3,70	3,73
	1,2	0,37	0,66	1,05	1,18	1,35	1,62	1,88	2,03	2,39	2,73	3,02	3,28	3,47	3,61	3,75	3,84	3,89	3,92
	1,5	0,38	0,68	1,08	1,21	1,39	1,67	1,94	2,09	2,48	2,82	3,14	3,41	3,62	3,77	3,92	4,02	4,08	4,10
	3	0,38	0,69	1,09	1,22	1,40	1,69	1,96	2,12	2,50	2,86	3,17	3,46	3,66	3,82	3,97	4,07	4,14	4,17
112	1	0,42	0,76	1,21	1,35	1,55	1,86	2,16	2,32	2,74	3,11	3,44	3,73	3,93	4,08	4,21	4,29	4,34	4,36
	1,05	0,43	0,77	1,23	1,37	1,57	1,89	2,19	2,37	2,79	3,18	3,52	3,82	4,03	4,18	4,32	4,41	4,46	4,49
	1,2	0,44	0,79	1,25	1,40	1,61	1,94	2,25	2,43	2,88	3,28	3,63	3,95	4,17	4,34	4,49	4,59	4,65	4,67
	1,5	0,44	0,80	1,28	1,43	1,65	1,99	2,31	2,50	2,96	3,38	3,75	4,08	4,32	4,49	4,66	4,77	4,83	4,86
	3	0,45	0,81	1,29	1,44	1,66	2,01	2,33	2,52	2,99	3,41	3,79	4,12	4,36	4,54	4,72	4,83	4,89	4,93
125	1	0,49	0,89	1,42	1,58	1,82	2,20	2,55	2,75	3,25	3,69	4,08	4,41	4,64	4,80	4,95	5,03	5,07	5,09
	1,05	0,50	0,90	1,44	1,61	1,85	2,23	2,59	2,79	3,30	3,76	4,16	4,50	4,74	4,91	5,06	5,15	5,19	5,21
	1,2	0,51	0,92	1,47	1,64	1,89	2,28	2,65	2,86	3,38	3,85	4,27	4,63	4,88	5,06	5,23	5,32	5,38	5,40
	1,5	0,51	0,93	1,50	1,67	1,93	2,33	2,71	2,93	3,47	3,95	4,39	4,76	5,03	5,22	5,39	5,50	5,56	5,59
	3	0,52	0,94	1,51	1,68	1,94	2,35	2,73	2,95	3,49	3,99	4,42	4,80	5,07	5,27	5,45	5,56	5,62	5,65
140	1	0,57	1,04	1,66	1,86	2,14	2,58	3,00	3,23	3,82	4,33	4,78	5,15	5,40	5,56	5,70	5,76	5,79	5,80
	1,05	0,58	1,05	1,68	1,88	2,16	2,61	3,04	3,28	3,87	4,40	4,85	5,24	5,49	5,66	5,81	5,88	5,91	5,92
	1,2	0,59	1,06	1,71	1,91	2,20	2,66	3,10	3,34	3,95	4,49	4,97	5,37	5,64	5,82	5,98	6,06	6,10	6,11
	1,5	0,59	1,08	1,74	1,94	2,24	2,71	3,15	3,41	4,03	4,59	5,08	5,50	5,78	5,98	6,15	6,24	6,28	6,30
	3	0,60	1,09	1,75	1,95	2,25	2,73	3,17	3,43	4,06	4,63	5,12	5,54	5,83	6,03	6,20	6,30	6,34	6,36
160	1	0,68	1,23	1,98	2,21	2,55	3,08	3,58	3,86	4,54	5,14	5,64	6,04	6,29	6,43	6,52			
	1,05	0,68	1,24	2,00	2,23	2,58	3,11	3,61	3,90	4,60	5,21	5,72	6,13	6,38	6,54	6,64			
	1,2	0,69	1,26	2,03	2,27	2,61	3,16	3,67	3,96	4,68	5,30	5,83	6,26	6,53	6,69	6,81			
	1,5	0,70	1,28	2,06	2,30	2,65	3,21	3,73	4,03	4,76	5,40	5,95	6,39	6,67	6,85	6,97			
	3	0,70	1,28	2,07	2,31	2,67	3,23	3,75	4,05	4,79	5,43	5,98	6,43	6,72	6,90	7,03			
180	1	0,78	1,42	2,29	2,56	2,95	3,57	4,14	4,46	5,23	5,89	6,43	6,82	7,03					
	1,05	0,79	1,44	2,31	2,58	2,98	3,60	4,18	4,50	5,29	5,96	6,50	6,91	7,13					
	1,2	0,79	1,45	2,34	2,62	3,02	3,65	4,23	4,57	5,37	6,06	6,62	7,04	7,27					
	1,5	0,80	1,47	2,37	2,65	3,06	3,70	4,29	4,63	5,45	6,16	6,73	7,17	7,42					
	3	0,81	1,47	2,38	2,66	3,07	3,71	4,31	4,65	5,48	6,19	6,77	7,21	7,47					
200	1	0,88	1,61	2,60	2,91	3,35	4,04	4,68	5,04	5,89	6,59	7,13	7,48						
	1,05	0,89	1,62	2,62	2,93	3,37	4,07	4,72	5,08	5,94	6,66	7,21	7,57						
	1,2	0,90	1,64	2,65	2,96	3,41	4,12	4,78	5,14	6,03	6,76	7,32	7,70						
	1,5	0,91	1,66	2,68	2,99	3,45	4,17	4,84	5,21	6,11	6,86	7,44	7,83						
	3	0,91	1,66	2,68	3,00	3,46	4,19	4,86	5,23	6,14	6,89	7,47	7,88						

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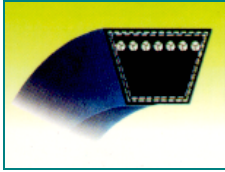
Balflex® – The European Technology

Balflex® Power Transmission V-Belts



Balflex® Classic V-Belt type B – 60.B

classic trapezoidal 17 x 11 mm wrapped type V-belts for industrial power transmission



According to **DIN 2215** standard cross-section B According to **MPTA-RMA-RAC IP-20** standard cross-section B

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
Tension member: high strength low elongation PE cords
Body: compression fatigue and heat resistant synthetic rubber
Cross-section: 17 x 11 mm (0,67" x 0,40")
Use: industrial power transmission

Part Number	L		Part Number	L		Part Number	L	
	inch	mm		inch	mm		inch	mm
60.B 024	24	612	60.B 061	61	1549	60.B 098	98	2500
60.B 025	25	637	60.B 062	62	1575	60.B 099	99	2515
60.B 026	26	660	60.B 063	63	1600	60.B 100	100	2540
60.B 027	27	686	60.B 064	64	1626	60.B 101	101	2565
60.B 028	28	710	60.B 065	65	1651	60.B 102	102	2591
60.B 029	29	737	60.B 066	66	1676	60.B 103	103	2616
60.B 030	30	762	60.B 067	67	1702	60.B 104	104	2642
60.B 031	31	787	60.B 068	68	1727	60.B 105	105	2667
60.B 032	32	800	60.B 069	69	1750	60.B 106	106	2692
60.B 033	33	838	60.B 070	70	1778	60.B 107	107	2718
60.B 034	34	864	60.B 071	71	1803	60.B 108	108	2743
60.B 035	35	889	60.B 072	72	1829	60.B 109	109	2770
60.B 036	36	914	60.B 073	73	1854	60.B 110	110	2795
60.B 037	37	940	60.B 074	74	1880	60.B 111	111	2819
60.B 038	38	965	60.B 075	75	1905	60.B 112	112	2845
60.B 039	39	991	60.B 076	76	1930	60.B 113	113	2870
60.B 040	40	1016	60.B 077	77	1956	60.B 114	114	2895
60.B 041	41	1041	60.B 078	78	1981	60.B 115	115	2920
60.B 042	42	1067	60.B 079	79	2000	60.B 116	116	2946
60.B 043	43	1092	60.B 080	80	2032	60.B 117	117	2972
60.B 044	44	1118	60.B 081	81	2057	60.B 118	118	2997
60.B 045	45	1143	60.B 082	82	2083	60.B 119	119	3023
60.B 046	46	1168	60.B 083	83	2108	60.B 120	120	3048
60.B 047	47	1194	60.B 084	84	2134	60.B 121	121	3073
60.B 048	48	1219	60.B 085	85	2159	60.B 122	122	3100
60.B 049	49	1245	60.B 086	86	2187	60.B 123	123	3124
60.B 050	50	1270	60.B 087	87	2215	60.B 124	124	3150
60.B 051	51	1295	60.B 088	88	2235	60.B 125	125	3175
60.B 052	52	1321	60.B 089	89	2261	60.B 126	126	3200
60.B 053	53	1346	60.B 090	90	2286	60.B 127	127	3225
60.B 054	54	1372	60.B 091	91	2312	60.B 128	128	3250
60.B 055	55	1397	60.B 092	92	2337	60.B 129	129	3277
60.B 056	56	1422	60.B 093	93	2360	60.B 130	130	3302
60.B 057	57	1448	60.B 094	94	2388	60.B 131	131	3327
60.B 058	58	1473	60.B 095	95	2413	60.B 132	132	3353
60.B 059	59	1499	60.B 096	96	2438	60.B 133	133	3378
60.B 060	60	1524	60.B 097	97	2464	60.B 134	134	3404

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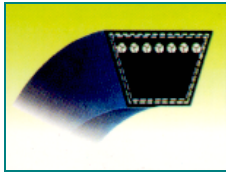
Balflex® – The European Technology



Balflex® Power Transmission V-Belts

Balflex® Classic V-Belt type B – 60.B

classic trapezoidal 17 x 11 mm wrapped type V-belts for industrial power transmission



According to **DIN 2215** standard cross-section B According to **MPTA-RMA-RAC IP-20** standard cross-section B

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
- Tension member:** high strength low elongation PE cords
- Body:** compression fatigue and heat resistant synthetic rubber
- Cross-section:** 17 x 11 mm (0,67" x 0,40")
- Use:** industrial power transmission

Part Number	L		Part Number	L	
	inch	mm		inch	mm
60.B 135	135	3430	60.B 174	174	4420
60.B 136	136	3454	60.B 175	175	4445
60.B 137	137	3480	60.B 177	177	4496
60.B 138	138	3505	60.B 178	178	4521
60.B 139	139	3530	60.B 179	179	4547
60.B 140	140	3556	60.B 180	180	4572
60.B 141	141	3581	60.B 181	181	4597
60.B 142	142	3607	60.B 184	184	4674
60.B 143	143	3632	60.B 185	185	4700
60.B 144	144	3658	60.B 187	187	4750
60.B 145	145	3683	60.B 188	188	4775
60.B 146	146	3708	60.B 192	192	4877
60.B 147	147	3734	60.B 195	195	4953
60.B 148	148	3759	60.B 196	196	4978
60.B 149	149	3785	60.B 202	202	5131
60.B 150	150	3810	60.B 203	203	5156
60.B 151	151	3835	60.B 206	206	5232
60.B 152	152	3861	60.B 207	207	5258
60.B 153	153	3886	60.B 208	208	5283
60.B 154	154	3912	60.B 210	210	5334
60.B 155	155	3937	60.B 224	224	5690
60.B 156	156	3962	60.B 225	225	5715
60.B 157	157	3988	60.B 240	240	6096
60.B 158	158	4013	60.B 249	249	6235
60.B 159	159	4039	60.B 256	256	6502
60.B 160	160	4064	60.B 268	268	6807
60.B 161	161	4089	60.B 269	269	6833
60.B 162	162	4115	60.B 270	270	5858
60.B 163	163	4140	60.B 297	297	7544
60.B 164	164	4166	60.B 298	298	7570
60.B 165	165	4190	60.B 300	300	7620
60.B 167	167	4242	60.B 330	330	8382
60.B 168	168	4267	60.B 360	360	9144
60.B 169	169	4293			
60.B 170	170	4318			
60.B 172	172	4369			
60.B 173	173	4394			

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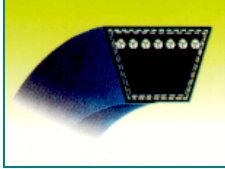
Balflex® – The European Technology

Balflex® Power Transmission V-Belts



Balflex® Classic V-Belt type B – 60.B

classic trapezoidal 17 x 11 mm wrapped type V-belts for industrial power transmission



Power rating (kW)

D	R	rpm fastest shaft																	
		100	200	400	700	800	950	1200	1450	1600	2000	2400	2800	3200	3600	4000	4500	5000	5000
112	1	0,31	0,54	0,94	1,43	1,58	1,79	2,10	2,37	2,52	2,86	3,12	3,30	3,39	3,42	3,40	3,35	3,29	3,37
	1,05	0,31	0,56	0,97	1,48	1,64	1,86	2,18	2,48	2,64	3,01	3,30	3,50	3,62	3,66	3,67	3,64	3,59	3,65
	1,2	0,33	0,58	1,01	1,56	1,73	1,96	2,31	2,63	2,81	3,22	3,56	3,81	3,96	4,04	4,07	4,06	4,03	4,07
	1,5	0,34	0,60	1,05	1,64	1,81	2,06	2,44	2,79	2,98	3,44	3,82	4,11	4,30	4,41	4,46	4,49	4,48	4,48
	3	0,34	0,61	1,07	1,66	1,84	2,10	2,49	2,84	3,04	3,51	3,90	4,21	4,41	4,53	4,59	4,63	4,63	4,62
125	1	0,37	0,67	1,17	1,82	2,01	2,29	2,71	3,09	3,30	3,78	4,17	4,45	4,60	4,67	4,69	4,65	4,59	4,67
	1,05	0,38	0,68	1,20	1,87	2,07	2,36	2,80	3,19	3,41	3,92	4,34	4,65	4,83	4,92	4,95	4,93	4,89	4,94
	1,2	0,39	0,70	1,25	1,95	2,16	2,46	2,93	3,35	3,58	4,14	4,60	4,95	5,17	5,29	5,35	5,36	5,33	5,36
	1,5	0,40	0,73	1,29	2,02	2,24	2,56	3,06	3,51	3,76	4,36	4,86	5,26	5,51	5,66	5,74	5,78	5,78	5,78
	3	0,41	0,73	1,30	2,05	2,27	2,60	3,10	3,56	3,82	4,43	4,94	5,36	5,62	5,79	5,87	5,92	5,93	5,91
140	1	0,45	0,81	1,44	2,26	2,50	2,86	3,40	3,89	4,17	4,81	5,32	5,70	5,91	6,01	6,03	5,98	5,90	6,00
	1,05	0,46	0,83	1,47	2,31	2,56	2,93	3,49	4,00	4,28	4,95	5,49	5,90	6,14	6,26	6,29	6,26	6,20	6,28
	1,2	0,47	0,85	1,51	2,38	2,65	3,03	3,62	4,16	4,46	5,17	5,75	6,20	6,48	6,63	6,69	6,69	6,64	6,70
	1,5	0,48	0,87	1,56	2,46	2,74	3,13	3,75	4,31	4,63	5,38	6,01	6,51	6,82	7,00	7,08	7,11	7,09	7,11
	3	0,48	0,88	1,57	2,48	2,76	3,17	3,79	4,37	4,69	5,46	6,10	6,61	6,93	7,12	7,22	7,26	7,24	7,25
160	1	0,55	1,00	1,79	2,83	3,15	3,60	4,30	4,94	5,29	6,12	6,77	7,24	7,49	7,58	7,57	7,46	7,32	7,50
	1,05	0,56	1,02	1,82	2,88	3,21	3,67	4,39	5,05	5,41	6,26	6,94	7,45	7,71	7,83	7,83	7,74	7,61	7,78
	1,2	0,57	1,04	1,86	2,96	3,29	3,77	4,52	5,20	5,58	6,48	7,20	7,75	8,05	8,20	8,23	8,17	8,06	8,20
	1,5	0,58	1,06	1,91	3,03	3,38	3,88	4,65	5,36	5,75	6,70	7,46	8,05	8,39	8,57	8,63	8,59	8,50	8,61
	3	0,58	1,07	1,92	3,06	3,41	3,91	4,69	5,41	5,81	6,77	7,55	8,15	8,51	8,69	8,76	8,73	8,65	8,75
180	1	0,65	1,19	2,14	3,39	3,78	4,33	5,18	5,95	6,38	7,36	8,12	8,64	8,86	8,89	8,80			
	1,05	0,66	1,20	2,17	3,45	3,84	4,40	5,27	6,06	6,49	7,51	8,29	8,84	9,09	9,14	9,07			
	1,2	0,67	1,22	2,21	3,52	3,92	4,50	5,40	6,22	6,67	7,72	8,55	9,14	9,43	9,51	9,46			
	1,5	0,68	1,25	2,25	3,60	4,01	4,61	5,53	6,37	6,84	7,94	8,81	9,45	9,77	9,88	9,86			
	3	0,68	1,25	2,27	3,62	4,04	4,64	5,57	6,43	6,90	8,01	8,90	9,55	9,88	10,01	9,99			
200	1	0,75	1,37	2,48	3,95	4,40	5,05	6,04	6,93	7,42	8,54	9,36	9,87	10,02					
	1,05	0,76	1,39	2,51	4,00	4,46	5,11	6,13	7,04	7,54	8,68	9,54	10,07	10,24					
	1,2	0,77	1,41	2,55	4,08	4,54	5,22	6,26	7,20	7,71	8,90	9,80	10,37	10,58					
	1,5	0,78	1,43	2,60	4,15	4,63	5,32	6,39	7,35	7,88	9,12	10,06	10,68	10,92					
	3	0,78	1,44	2,61	4,18	4,66	5,35	6,43	7,40	7,94	9,19	10,14	10,78	11,04					
224	1	0,87	1,59	2,89	4,60	5,13	5,88	7,04	8,06	8,62	9,85	10,70	11,11						
	1,05	0,88	1,61	2,91	4,65	5,19	5,95	7,12	8,17	8,73	10,00	10,87	11,31						
	1,2	0,89	1,63	2,96	4,73	5,28	6,05	7,25	8,33	8,91	10,21	11,13	11,62						
	1,5	0,90	1,65	3,00	4,81	5,36	6,16	7,38	8,48	9,08	10,43	11,39	11,92						
	3	0,90	1,66	3,02	4,83	5,39	6,19	7,43	8,53	9,14	10,50	11,48	12,02						
250	1	0,99	1,83	3,32	5,30	5,90	6,77	8,08	9,23	9,84	11,15	11,94							
	1,05	1,00	1,84	3,35	5,35	5,96	6,83	8,17	9,34	9,96	11,29	12,12							
	1,2	1,01	1,86	3,39	5,42	6,05	6,94	8,30	9,49	10,13	11,51	12,38							
	1,5	1,02	1,88	3,43	5,50	6,14	7,04	8,43	9,65	10,30	11,73	12,64							
	3	1,03	1,89	3,45	5,53	6,16	7,07	8,47	9,70	10,36	11,80	12,72							
280	1	1,14	2,09	3,81	6,08	6,78	7,76	9,23	10,50	11,16	12,48								
	1,05	1,15	2,11	3,84	6,13	6,83	7,82	9,32	10,61	11,27	12,62								
	1,2	1,16	2,13	3,88	6,21	6,92	7,93	9,45	10,76	11,45	12,84								
	1,5	1,17	2,15	3,92	6,29	7,01	8,03	9,58	10,92	11,62	13,05								
	3	1,17	2,16	3,94	6,31	7,04	8,06	9,62	10,97	11,68	13,13								

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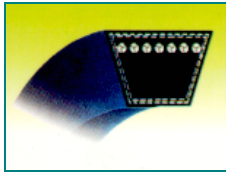
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Balflex® Power Transmission V-Belts

Balflex® Classic V-Belt type C – 60.C

classic trapezoidal 22 x 13 mm wrapped type V-belts for industrial power transmission



According to **DIN 2215** standard cross-section C According to **MPTA-RMA-RAC IP-20** standard cross-section C

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
Tension member: high strength low elongation PE cords
Body: compression fatigue and heat resistant synthetic rubber
Cross-section: 22 x 13 mm (0,88" x 0,53")
Use: industrial power transmission

Part Number	L		Part Number	L		Part Number	L	
	inch	mm		inch	mm		inch	mm
60.C 043	43	1090	60.C 083	83	2108	60.C 120	120	3048
60.C 046	46	1168	60.C 084	84	2134	60.C 122	122	3099
60.C 047	47	1195	60.C 085	85	2159	60.C 124	124	3150
60.C 048	48	1220	60.C 086	86	2184	60.C 126	126	3200
60.C 049	49	1250	60.C 087	87	2208	60.C 127	127	3226
60.C 050	50	1270	60.C 088	88	2235	60.C 128	128	3251
60.C 051	51	1295	60.C 089	89	2261	60.C 130	130	3302
60.C 052	52	1320	60.C 090	90	2286	60.C 131	131	3327
60.C 053	53	1346	60.C 091	91	2311	60.C 132	132	3353
60.C 054	54	1372	60.C 092	92	2337	60.C 133	133	3378
60.C 055	55	1397	60.C 093	93	2362	60.C 135	135	3429
60.C 056	56	1422	60.C 094	94	2388	60.C 136	136	3454
60.C 057	57	1448	60.C 095	95	2413	60.C 138	138	3505
60.C 058	58	1473	60.C 096	96	2438	60.C 139	139	3531
60.C 059	59	1499	60.C 097	97	2464	60.C 140	140	3556
60.C 060	60	1524	60.C 098	98	2489	60.C 142	142	3607
60.C 061	61	1550	60.C 099	99	2515	60.C 143	143	3632
60.C 062	62	1575	60.C 100	100	2540	60.C 144	144	3658
60.C 063	63	1600	60.C 101	101	2566	60.C 145	145	3683
60.C 064	64	1625	60.C 102	102	2591	60.C 146	146	3708
60.C 065	65	1651	60.C 103	103	2616	60.C 147	147	3734
60.C 066	66	1676	60.C 104	104	2642	60.C 148	148	3759
60.C 067	67	1702	60.C 105	105	2667	60.C 149	149	3785
60.C 068	68	1727	60.C 106	106	2692	60.C 150	150	3810
60.C 070	70	1778	60.C 107	107	2718	60.C 151	151	3835
60.C 071	71	1803	60.C 108	108	2750	60.C 152	152	3860
60.C 072	72	1829	60.C 109	109	2769	60.C 153	153	3886
60.C 073	73	1854	60.C 110	110	2794	60.C 156	156	3962
60.C 074	74	1880	60.C 111	111	2820	60.C 158	158	4013
60.C 075	75	1905	60.C 112	112	2845	60.C 160	160	4064
60.C 076	76	1930	60.C 113	113	2870	60.C 161	161	4089
60.C 077	77	1956	60.C 114	114	2896	60.C 162	162	4115
60.C 078	78	1981	60.C 115	115	2921	60.C 163	163	4140
60.C 079	79	2007	60.C 116	116	2946	60.C 166	166	4216
60.C 080	80	2032	60.C 117	117	2972	60.C 168	168	4267
60.C 081	81	2057	60.C 118	118	2997	60.C 169	169	4293
60.C 082	82	2083	60.C 119	119	3023	60.C 170	170	4318

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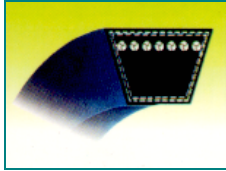
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classic trapezoidal 22 x 13 mm wrapped type V-belts for industrial power transmission



Power rating (kW)

D	R	rpm fastest shaft																	
		100	200	400	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
180	1	0,91	1,60	2,76	3,74	4,18	4,59	4,97	5,33	5,66	5,97	6,25	6,51	6,68	6,80	6,87	6,89	6,88	6,83
	1,05	0,93	1,64	2,84	3,86	4,32	4,75	5,15	5,53	5,88	6,21	6,51	6,79	6,97	7,10	7,17	7,20	7,19	7,13
	1,2	0,96	1,70	2,96	4,04	4,53	4,99	5,42	5,83	6,21	6,57	6,90	7,21	7,41	7,55	7,64	7,67	7,66	7,59
	1,5	0,99	1,76	3,08	4,22	4,74	5,23	5,69	6,13	6,54	6,93	7,29	7,63	7,85	8,01	8,11	8,14	8,12	8,05
	3	1,00	1,78	3,12	4,28	4,81	5,31	5,78	6,23	6,65	7,05	7,42	7,77	8,00	8,16	8,26	8,30	8,28	8,20
200	1	1,10	1,95	3,39	4,64	5,20	5,73	6,23	6,70	7,14	7,54	7,92	8,27	8,49	8,65	8,74	8,78	8,76	8,69
	1,05	1,12	1,99	3,47	4,76	5,34	5,89	6,41	6,90	7,35	7,78	8,18	8,54	8,78	8,95	9,05	9,09	9,07	9,00
	1,2	1,15	2,05	3,59	4,94	5,55	6,13	6,68	7,20	7,68	8,14	8,57	8,96	9,22	9,41	9,52	9,56	9,54	9,46
	1,5	1,18	2,11	3,71	5,12	5,76	6,37	6,95	7,50	8,01	8,50	8,96	9,38	9,66	9,86	9,99	10,03	10,01	9,92
	3	1,18	2,13	3,75	5,18	5,83	6,45	7,04	7,60	8,12	8,62	9,08	9,52	9,81	10,02	10,14	10,19	10,16	10,07
224	1	1,31	2,35	4,14	5,70	6,41	7,08	7,71	8,30	8,85	9,37	9,85	10,29	10,58	10,78	10,90	10,95	10,92	10,83
	1,05	1,33	2,39	4,22	5,82	6,55	7,24	7,89	8,50	9,07	9,61	10,11	10,57	10,87	11,08	11,21	11,26	11,23	11,14
	1,2	1,36	2,45	4,34	6,00	6,76	7,48	8,16	8,80	9,40	9,97	10,50	10,99	11,31	11,54	11,68	11,73	11,70	11,60
	1,5	1,39	2,51	4,46	6,18	6,97	7,71	8,42	9,10	9,73	10,33	10,89	11,41	11,75	11,99	12,14	12,20	12,17	12,06
	3	1,40	2,53	4,50	6,23	7,03	7,79	8,51	9,20	9,84	10,45	11,02	11,55	11,90	12,15	12,30	12,35	12,32	12,21
250	1	1,55	2,78	4,94	6,82	7,69	8,50	9,27	9,98	10,66	11,28	11,86	12,39	12,73	12,97	13,11	13,16	13,14	13,03
	1,05	1,56	2,82	5,02	6,94	7,82	8,66	9,44	10,18	10,88	11,52	12,12	12,67	13,02	13,27	13,42	13,48	13,45	13,33
	1,2	1,59	2,88	5,14	7,12	8,03	8,90	9,71	10,48	11,21	11,88	12,51	13,09	13,46	13,73	13,88	13,95	13,92	13,79
	1,5	1,62	2,94	5,26	7,30	8,24	9,14	9,98	10,78	11,53	12,24	12,90	13,50	13,90	14,18	14,35	14,42	14,38	14,25
	3	1,63	2,96	5,30	7,36	8,31	9,22	10,07	10,88	11,64	12,36	13,03	13,64	14,05	14,33	14,50	14,57	14,54	14,41
280	1	1,81	3,28	5,84	8,10	9,13	10,10	11,01	11,87	12,66	13,39	14,07	14,67	15,06	15,33	15,48	15,55	15,52	15,40
	1,05	1,83	3,32	5,92	8,22	9,27	10,26	11,19	12,07	12,88	13,63	14,32	14,95	15,35	15,63	15,79	15,86	15,83	15,70
	1,2	1,86	3,38	6,04	8,40	9,48	10,50	11,46	12,37	13,21	13,99	14,71	15,37	15,79	16,09	16,26	16,33	16,29	16,16
	1,5	1,89	3,44	6,16	8,58	9,69	10,74	11,73	12,66	13,54	14,35	15,10	15,79	16,23	16,54	16,73	16,80	16,76	16,62
	3	1,90	3,46	6,20	8,64	9,76	10,82	11,82	12,76	13,65	14,47	15,23	15,93	16,38	16,69	16,88	16,95	16,92	16,77
315	1	2,12	3,84	6,88	9,55	10,77	11,91	12,98	13,98	14,89	15,73	16,48	17,15	17,57	17,85	18,01	18,07	18,04	17,92
	1,05	2,14	3,88	6,96	9,67	10,91	12,07	13,16	14,17	15,11	15,97	16,74	17,43	17,86	18,15	18,32	18,38	18,35	18,22
	1,2	2,17	3,94	7,08	9,85	11,12	12,31	13,43	14,47	15,44	16,33	17,13	17,85	18,30	18,61	18,78	18,85	18,82	18,68
	1,5	2,20	4,00	7,20	10,03	11,33	12,55	13,70	14,77	15,77	16,69	17,52	18,27	18,74	19,06	19,25	19,32	19,29	19,14
	3	2,21	4,02	7,24	10,09	11,40	12,63	13,79	14,87	15,88	16,80	17,65	18,40	18,88	19,21	19,40	19,48	19,44	19,30
355	1	2,46	4,49	8,05	11,17	12,59	13,91	15,14	16,27	17,29	18,21	19,02	19,71	20,13	20,39	20,54	20,60	20,57	20,46
	1,05	2,48	4,52	8,13	11,29	12,73	14,07	15,32	16,47	17,51	18,45	19,28	19,99	20,42	20,70	20,85	20,91	20,88	20,77
	1,2	2,51	4,58	8,25	11,47	12,94	14,31	15,59	16,77	17,84	18,81	19,67	20,41	20,86	21,15	21,32	21,38	21,35	21,23
	1,5	2,54	4,64	8,37	11,65	13,15	14,55	15,86	17,07	18,17	19,17	20,06	20,83	21,30	21,61	21,79	21,85	21,82	21,69
	3	2,55	4,66	8,41	11,71	13,22	14,63	15,95	17,17	18,28	19,29	20,19	20,97	21,45	21,76	21,94	22,01	21,97	21,84
400	1	2,85	5,20	9,33	12,94	14,57	16,07	17,45	18,69	19,80	20,77	21,58	22,23	22,59	22,81	22,91	22,95	22,93	22,85
	1,05	2,87	5,23	9,41	13,06	14,71	16,23	17,63	18,89	20,02	21,00	21,84	22,51	22,89	23,11	23,22	23,26	23,24	23,16
	1,2	2,90	5,29	9,53	13,24	14,92	16,47	17,90	19,19	20,35	21,36	22,23	22,93	23,33	23,56	23,69	23,73	23,71	23,62
	1,5	2,93	5,35	9,65	13,42	15,13	16,71	18,16	19,49	20,68	21,72	22,62	23,35	23,77	24,02	24,16	24,20	24,18	24,08
	3	2,94	5,37	9,69	13,48	15,20	16,79	18,25	19,59	20,79	21,84	22,74	23,49	23,91	24,17	24,31	24,36	24,33	24,23
450	1	3,27	5,97	10,73	14,85	16,68	18,35	19,85	21,18	22,33	23,28	24,02	24,54	24,78					
	1,05	3,29	6,01	10,81	14,97	16,82	18,51	20,03	21,38	22,55	23,52	24,28	24,82	25,07					
	1,2	3,32	6,07	10,93	15,15	17,03	18,75	20,30	21,68	22,88	23,88	24,67	25,24	25,51					
	1,5	3,35	6,13	11,05	15,33	17,24	18,99	20,57	21,98	23,20	24,23	25,06	25,66	25,95					
	3	3,36	6,15	11,09	15,39	17,30	19,06	20,66	22,08	23,31	24,35	25,19	25,80	26,09					

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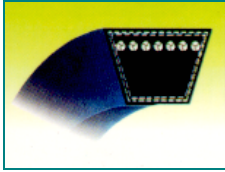
Balflex® – The European Technology

Balflex® Power Transmission V-Belts



Balflex® Classic V-Belt type D – 60.D

classic trapezoidal 32 x 19 mm wrapped type V-belts for industrial power transmission



According to **DIN 2215** standard cross-section D According to **MPTA-RMA-RAC IP-20** standard cross-section D

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
Tension member: high strength low elongation PE cords
Body: compression fatigue and heat resistant synthetic rubber
Cross-section: 32 x 19 mm (1.25" x 0.75")
Use: industrial power transmission

Part Number	L		Part Number	L		Part Number	L	
	inch	mm		inch	mm		inch	mm
60.D 098	098	2500	60.D 209	209	5309	60.D 520	520	13208
60.D 104	104	2650	60.D 210	210	5334	60.D 530	530	13462
60.D 110	110	2800	60.D 220	220	5588	60.D 540	540	13716
60.D 118	118	3000	60.D 223	223	5664	60.D 580	580	14732
60.D 120	120	3048	60.D 225	225	5715	60.D 600	600	15240
60.D 124	124	3150	60.D 236	236	5994			
60.D 128	128	3251	60.D 238	238	6045			
60.D 135	135	3429	60.D 240	240	6096			
60.D 136	136	3454	60.D 248	248	6299			
60.D 137	137	3480	60.D 250	250	6350			
60.D 138	138	3505	60.D 255	255	6477			
60.D 140	140	3556	60.D 260	260	6604			
60.D 142	142	3607	60.D 266	266	6756			
60.D 143	143	3632	60.D 270	270	6858			
60.D 144	144	3658	60.D 280	280	7112			
60.D 146	146	3708	60.D 282	282	7163			
60.D 148	148	3759	60.D 285	285	7239			
60.D 154	154	3912	60.D 290	290	7366			
60.D 158	158	4013	60.D 298	298	7659			
60.D 162	162	4115	60.D 300	300	7620			
60.D 164	164	4166	60.D 303	303	7696			
60.D 167	167	4242	60.D 314	314	7976			
60.D 170	170	4318	60.D 316	316	8026			
60.D 172	172	4369	60.D 326	326	8280			
60.D 173	173	4394	60.D 330	330	8382			
60.D 176	176	4470	60.D 345	345	8763			
60.D 177	177	4496	60.D 354	354	8992			
60.D 180	180	4572	60.D 360	360	9144			
60.D 182	182	4623	60.D 390	390	9906			
60.D 187	187	4750	60.D 394	394	10008			
60.D 195	195	4953	60.D 420	420	10668			
60.D 196	196	4978	60.D 440	440	11176			
60.D 197	197	5004	60.D 441	441	11201			
60.D 198	198	5029	60.D 443	443	11252			
60.D 204	204	5182	60.D 480	480	12192			
60.D 205	205	5207	60.D 507	507	12878			
60.D 207	207	5258	60.D 510	510	12954			

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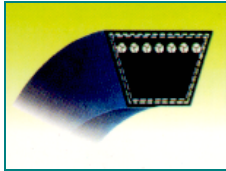
Balflex® – The European Technology



Balflex® Power Transmission V-Belts

Balflex® Classic V-Belt type D – 60.D

classic trapezoidal 32 x 19 mm wrapped type V-belts for industrial power transmission



Power rating (kW)

D mm	R	rpm fastest shaft													
		100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400
280	1	2,61	4,50	6,10	7,49	8,72	9,81	10,76	11,58	12,26	12,81	13,23	13,51	13,62	13,66
	1,05	2,69	4,64	6,31	7,78	9,08	10,24	11,26	12,15	12,90	13,52	14,01	14,36	14,53	14,61
	1,2	2,79	4,86	6,63	8,21	9,62	10,88	12,01	13,00	13,87	14,60	15,19	15,65	15,90	16,03
	1,5	2,90	5,07	6,95	8,63	10,15	11,52	12,76	13,86	14,83	15,67	16,37	16,94	17,26	17,46
	3	2,93	5,14	7,06	8,78	10,33	11,74	13,01	14,14	15,15	16,02	16,76	17,36	17,71	17,93
315	1	3,27	5,73	7,85	9,74	11,43	12,95	14,30	15,48	16,50	17,34	18,01	18,49	18,73	18,84
	1,05	3,35	5,87	8,06	10,02	11,79	13,38	14,80	16,05	17,14	18,05	18,79	19,35	19,64	19,79
	1,2	3,45	6,08	8,39	10,45	12,33	14,02	15,55	16,91	18,10	19,13	19,97	20,63	21,00	21,22
	1,5	3,56	6,30	8,71	10,88	12,86	14,66	16,30	17,77	19,07	20,20	21,15	21,92	22,37	22,64
	3	3,60	6,37	8,81	11,02	13,04	14,88	16,55	18,05	19,39	20,55	21,54	22,34	22,82	23,12
355	1	4,02	7,11	9,82	12,26	14,46	16,45	18,22	19,79	21,13	22,25	23,13	23,77	24,08	24,22
	1,05	4,09	7,25	10,04	12,54	14,82	16,88	18,72	20,36	21,77	22,96	23,92	24,63	24,99	25,17
	1,2	4,20	7,47	10,36	12,97	15,36	17,52	19,47	21,21	22,74	24,03	25,10	25,91	26,35	26,59
	1,5	4,31	7,68	10,68	13,40	15,89	18,16	20,22	22,07	23,70	25,11	26,27	27,20	27,72	28,02
	3	4,34	7,75	10,79	13,54	16,07	18,38	20,47	22,35	24,02	25,46	26,66	27,62	28,17	28,49
400	1	4,85	8,64	12,00	15,04	17,79	20,27	22,48	24,42	26,07	27,41	28,45	29,14	29,44	29,52
	1,05	4,92	8,79	12,22	15,32	18,15	20,70	22,98	24,99	26,71	28,13	29,23	30,00	30,35	30,47
	1,2	5,03	9,00	12,54	15,75	18,68	21,34	23,73	25,84	27,67	29,20	30,41	31,29	31,71	31,90
	1,5	5,13	9,22	12,86	16,18	19,22	21,98	24,48	26,70	28,64	30,27	31,59	32,57	33,08	33,33
	3	5,17	9,29	12,97	16,32	19,39	22,20	24,73	26,98	28,95	30,62	31,98	33,00	33,53	33,80
450	1	5,76	10,32	14,39	18,06	21,39	24,37	27,01	29,29	31,19	32,68	33,75	34,36	34,50	34,42
	1,05	5,83	10,47	14,60	18,35	21,74	24,80	27,51	29,86	31,83	33,39	34,53	35,22	35,41	35,37
	1,2	5,94	10,68	14,92	18,77	22,28	25,44	28,26	30,72	32,79	34,47	35,71	36,50	36,78	36,80
	1,5	6,04	10,90	15,24	19,20	22,81	26,08	29,01	31,57	33,76	35,54	36,89	37,79	38,14	38,23
	3	6,08	10,97	15,35	19,34	22,99	26,30	29,26	31,86	34,08	35,89	37,28	38,21	38,59	38,70
500	1	6,66	11,98	16,73	21,01	24,88	28,32	31,32	33,86	35,90	37,42	38,37	38,72	38,56	38,18
	1,05	6,73	12,12	16,94	21,30	25,23	28,75	31,82	34,43	36,55	38,13	39,15	39,57	39,47	39,13
	1,2	6,84	12,34	17,26	21,73	25,77	29,39	32,57	35,29	37,51	39,20	40,33	40,86	40,83	40,55
	1,5	6,94	12,55	17,58	22,16	26,31	30,03	33,32	36,14	38,47	40,28	41,51	42,14	42,20	41,98
	3	6,98	12,62	17,69	22,30	26,48	30,24	33,57	36,43	38,79	40,63	41,90	42,57	42,65	42,45
560	1	7,72	13,94	19,48	24,47	28,93	32,85	36,19	38,93	41,00	42,36	42,95			
	1,05	7,79	14,08	19,69	24,75	29,28	33,27	36,69	39,50	41,64	43,07	43,73			
	1,2	7,90	14,30	20,01	25,18	29,82	33,92	37,44	40,35	42,60	44,14	44,91			
	1,5	8,01	14,51	20,34	25,61	30,36	34,56	38,19	41,21	43,57	45,21	46,09			
	3	8,04	14,58	20,44	25,75	30,53	34,77	38,44	41,49	43,89	45,57	46,48			
630	1	8,95	16,19	22,62	28,38	33,46	37,83	41,44	44,22	46,10	47,00				
	1,05	9,02	16,33	22,83	28,66	33,81	38,26	41,94	44,79	46,74	47,71				
	1,2	9,13	16,54	23,16	29,09	34,35	38,90	42,69	45,65	47,71	48,78				
	1,5	9,24	16,76	23,48	29,52	34,88	39,54	43,44	46,51	48,67	49,85				
	3	9,27	16,83	23,58	29,66	35,06	39,76	43,69	46,79	48,99	50,21				

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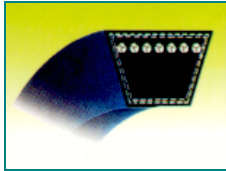
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Balflex® Power Transmission V-Belts

Balflex® Classic V-Belt type E – 60.E

classical trapezoidal 38 x 26 mm wrapped type V-belts for industrial power transmission



Power rating (kW)

D mm	R	rpm fastest shaft							
		100	200	300	400	500	600	700	800
450	1	7,46	13,51	18,96	23,95	28,54	32,72	36,50	39,86
	1,05	7,54	13,67	19,19	24,27	28,93	33,19	37,05	40,48
	1,2	7,66	13,90	19,55	24,73	29,51	33,89	37,87	41,42
	1,5	7,77	14,13	19,90	25,20	30,10	34,60	38,69	42,36
	3	7,81	14,21	20,01	25,36	30,29	34,83	38,96	42,67
500	1	8,58	15,57	21,88	27,65	32,93	37,70	41,97	45,69
	1,05	8,65	15,73	22,11	27,96	33,31	38,17	42,51	46,32
	1,2	8,77	15,96	22,47	28,43	33,90	38,87	43,33	47,25
	1,5	8,89	16,20	22,82	28,90	34,49	39,58	44,15	48,19
	3	8,93	16,27	22,93	29,05	34,68	39,81	44,43	48,50
560	1	9,90	18,01	25,32	31,98	38,03	43,44	48,18	52,21
	1,05	9,98	18,16	25,55	32,29	38,42	43,90	48,72	52,83
	1,2	10,09	18,40	25,91	32,76	39,00	44,61	49,54	53,77
	1,5	10,21	18,63	26,26	33,23	39,59	45,31	50,36	54,70
	3	10,25	18,71	26,37	33,39	39,78	45,54	50,63	55,01
630	1	11,42	20,81	29,25	36,89	43,75	49,78	54,91	59,09
	1,05	11,50	20,96	29,48	37,21	44,14	50,24	55,46	59,71
	1,2	11,62	21,20	29,84	37,67	44,72	50,95	56,28	60,65
	1,5	11,73	21,43	30,19	38,14	45,31	51,65	57,10	61,58
	3	11,77	21,51	30,30	38,30	45,50	51,88	57,37	61,89
710	1	13,14	23,95	33,63	42,32	49,97	56,53	61,89	65,93
	1,05	13,22	24,11	33,87	42,63	50,36	57,00	62,44	66,55
	1,2	13,33	24,34	34,22	43,10	50,95	57,71	63,26	67,49
	1,5	13,45	24,58	34,57	43,56	51,54	58,41	64,08	68,43
	3	13,49	24,65	34,69	43,72	51,73	58,64	64,35	68,74
800	1	15,04	27,42	38,43	48,17	56,56	63,48	68,76	72,21
	1,05	15,12	27,58	38,66	48,48	56,95	63,95	69,30	72,84
	1,2	15,24	27,81	39,02	48,95	57,54	64,65	70,12	73,77
	1,5	15,36	28,05	39,37	49,42	58,12	65,35	70,94	74,71
	3	15,40	28,12	39,48	49,57	58,32	65,59	71,21	75,02
900	1	17,13	31,20	43,59	54,35	63,33	70,32	75,06	
	1,05	17,21	31,36	43,83	54,66	63,72	70,79	75,60	
	1,2	17,33	31,59	44,18	55,13	64,31	71,49	76,42	
	1,5	17,45	31,82	44,53	55,60	64,89	72,19	77,24	
	3	17,48	31,90	44,64	55,76	65,09	72,43	77,51	
1000	1	19,19	34,90	48,57	60,19	69,49	76,16		
	1,05	19,27	35,05	48,81	60,50	69,88	76,63		
	1,2	19,39	35,29	49,16	60,97	70,46	77,33		
	1,5	19,51	35,52	49,51	61,43	71,05	78,03		
	3	19,54	35,60	49,63	61,59	71,24	78,27		

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Balflex® Power Transmission V-Belts



Balflex® Evolution V-Belts

Balflex® Evolution is the narrow trapezoidal V-belt range of **Balflex®**, according to **DIN 7753** standard.

Evolution V-belts have considerable smaller cross-sections than comparable power rated classic V-belts. They add up to the economic and versatile, low maintenance characteristics of classic V-belts high efficiency for top rated performance. Among their features are:

Low weight: Special cross-section design allows a significant mass reduction, which in turn assures better dynamic characteristics

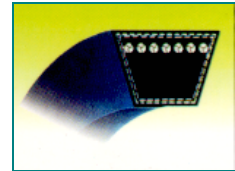
High speed: Better dynamic characteristics allow faster speeds

Compact drive design: Better dynamic characteristics allow smaller sheave diameters, shorter centre distances and an overall more compact design of the transmission drive

Low Maintenance: Better dynamic characteristics allow lower tensioning and therefore less take-up and less effort on the shafts and bearings

Dimensional Stability: Dimensional checks assure high uniformity of belt weight and pitch line along all length

Balflex® Evolution V-belts are supplied in the following cross-sections:



All **Balflex®** V-Belts are branded:

OIL & HEAT
RESISTANT
ANTI-STATIC

Belt Profile	Cross-Section (W x H)	
	inch	mm
SPZ	0.38 x 0.31	9,7 x 8,0
SPA	0.50 x 0.39	12,7 x 10,0
SPB	0.64 x 0.51	16,3 x 13,0
SPC	0.87 x 0.71	22,0 x 18,0

Balflex® Evolution V-belts are identified by the profile type and by the pitch length. All profiles are manufactured in standard lengths, listed in the catalogue pages. They can be supplied also in customized lengths.

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Balflex® Power Transmission V-Belts

Drive Design

Design Power: The nominal power of the drive should be corrected by a service factor relating the type of driving unit, the type of driven unit and the daily service hours:

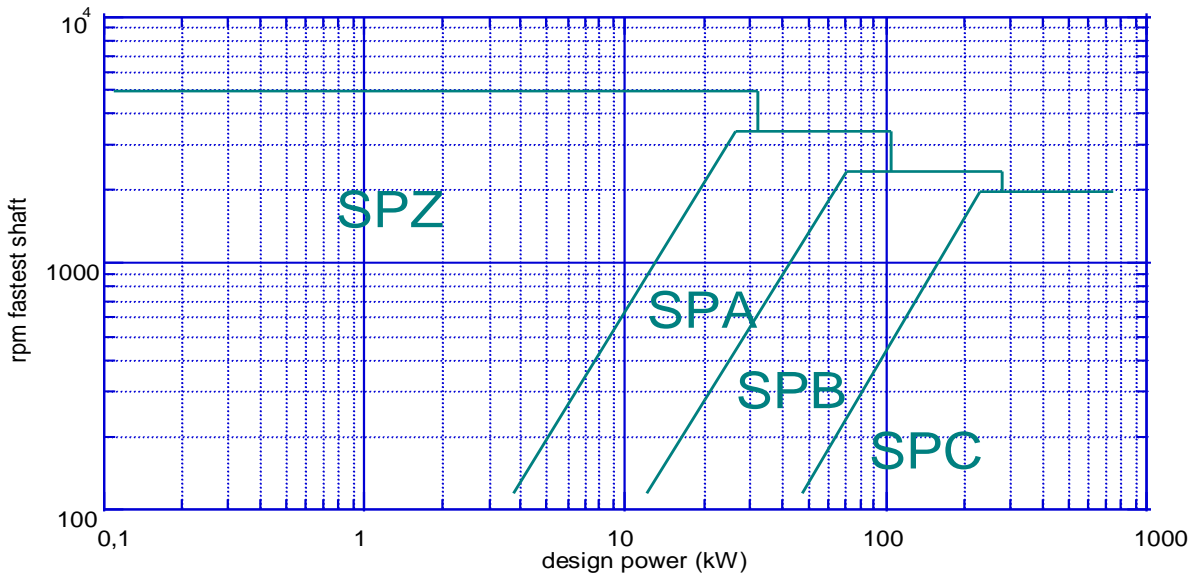
$$P_{\text{design}} = P_{\text{nominal}} \times f_{\text{service}}$$

Table 1: Suggested service factors (f_{service}) for Evolution V-belts

Types of driven units	Types of driving units					
	Normal torque AC and DC motors DC shunt wound motors Internal combustion engines above 600 rpm			High torque AC and DC motors DC series and compound wound motors Internal combustion engines up to 600 rpm		
	daily operating hours			daily operating hours		
	<10	10-16	>16	<10	10-16	>16
Light duty light duty conveyors, centrifugal pumps and compressors, fans and pumps up to 7,5 kW	1,0	1,1	1,2	1,1	1,2	1,3
Normal duty granulate conveyors, punches, presses, shears, vibrating screens, dough mixers, generators, printing machinery, washing machines, fans and pumps over 7,5 kW	1,1	1,2	1,3	1,2	1,3	1,4
Heavy duty Drag-pan-screw conveyors, piston pumps and compressors, elevators, brick presses, textile machinery, paper mill machinery, saw mill machinery, hammer mills	1,2	1,3	1,4	1,4	1,5	1,6
Very heavy duty crushers, calenders, mixers, hoists, cranes	1,3	1,4	1,5	1,5	1,6	1,8

Belt profile selection: The belt profile suitable for the power transmission should be selected from the following graph, relating the calculated design power with the speed of the fastest shaft:

Figure 1: Suggested cross-section selection of Evolution V-belts



Speed ratio (R) calculation: The speed ratio is the quotient of faster and slower shaft speed:

$$R = \text{rpm of faster shaft} / \text{rpm of slower shaft}$$

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Drive Design (cont.)

Sheave diameter (D) selection: If the space requirements or other constraints do not impose a specific sheave diameter, choose a sheave diameter for the slowest shaft close to the maximum speed recommended for narrow V-belts (40 m/s):

$$D_1 \text{ (mm)} = 3.600.000 / \text{rpm of slower shaft}$$

Choose the next smallest standard sheave diameter as D_1 and divide by the speed ratio (R) to find the diameter D_2 of the other sheave.

$$D_1 \text{ (mm)} / R = D_2 \text{ (mm)}$$

If the value for D_2 is not a standard sheave value, restart the iteration by picking as a new value for D_1 the next smallest sheave diameter. Repeat until you find a suitable pair of standard sheave diameters.

Note: Sheave rim speed in excess of 30 m/s require special sheave construction materials. Sheave rim speed in excess of 25 m/s require dynamic balance of the sheave.

Belt length (L) calculation: The approximate belt length is

$$L_1 \text{ (mm)} = 2 * C_1 + 1,571 * (D_1 + D_2) + (D_1 - D_2)^2 / 4 * C_1$$

where C is the centre distance (distance between the axis of the two shafts). The value for the centre distance should be taken between 0,7 and 2,0 * ($D_1 + D_2$).

Belt length (L) selection: Choose from the catalogue the nearest standard length (L) available and recalculate the design centre distance:

$$C \text{ (mm)} = A + (A^2 - B)^{1/2}$$

$$\text{where } A = 0,25 * L - 0,393 (D_1 + D_2) \\ B = 0,125 * (D_1 - D_2)^2$$

Power rating (P_1): Look up in the catalogue pages the power rating of the belt with the chosen cross-section. Power rating appears as the maximum power (in kW) recommended at variable sheave diameters (D), shaft speed (rpm) and speed ratios (R).

Power rating is given in the catalogue tables for a particular arc of contact (180°) and for a particular belt length. The value P_1 has therefore to be adapted to actual design geometry:

$$P \text{ (kW)} = P_1 * f_{\text{arc}} * f_{\text{length}}$$

The correction factors f_{arc} and f_{length} are given in tables 6 and 7.

Number of belts calculation (n): The quotient between design power and power rating of the chosen belt gives the number of belts you need for power transmission:

$$n \geq P_{\text{design}} / P$$

Centre-distance allowance calculation: The allowance for installation and take-up is given by

$$x \geq 0,025 * L$$

$$y \geq 0,015 * L$$

in which x is the (positive) allowance for tensioning and take-up of the belt and y is the (negative) allowance for damage-free installation of the belt.

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Drive Design (cont)

Table 2: Arc of contact correction factors (f_{arc})

(D1 - D2) / C	arc contact	f_{arc}
0,0	180	1,00
0,1	174	0,99
0,2	169	0,97
0,3	163	0,96
0,4	157	0,94
0,5	151	0,93
0,6	145	0,91
0,7	139	0,89
0,8	133	0,87
0,9	127	0,85
1,0	120	0,82
1,1	113	0,80
1,2	106	0,77
1,3	99	0,73
1,4	91	0,70

Table 3: Belt length correction factors (f_{length})

L	SPZ	SPA	SPB	SPC
630	0,82			
670	0,83			
710	0,84			
750	0,85			
800	0,86	0,81		
850	0,87	0,82		
900	0,88	0,83		
1000	0,90	0,85		
1120	0,93	0,87		
1250	0,94	0,89	0,82	
1400	0,96	0,91	0,84	
1600	1,00	0,93	0,86	
1800	1,01	0,95	0,88	
2000	1,02	0,96	0,90	
2240	1,05	0,98	0,92	0,83
2500	1,07	1,00	0,94	0,86
2800	1,09	1,02	0,96	0,88
3150	1,11	1,04	0,98	0,90
3550	1,13	1,06	1,00	0,92
4000		1,08	1,02	0,94
4500		1,09	1,04	0,96
5000			1,06	0,98
5600			1,08	1,00
6300			1,10	1,02
7100			1,12	1,04
8000			1,14	1,06
9000				1,08
10000				1,10
11200				1,12
12500				1,14

Installation and Maintenance

Sheave alignment: Check the alignment of the sheaves. Sheave alignment should be kept at less than 0,5°. Incorrect alignment will result in shorter service life.

Pulley maintenance: Verify that the bearings of the pulleys are properly maintained. Verify that the grooves are not worn out, greased or rusted. When using multiple belt transmission verify that the grooves have equal dimensions. Do not use sets of mixed old and new belts.

Installation: Use the installation allowance to place the belts in the grooves without forcing. Do not use a lever to force the belt into the groove. Locate the belt first on the smaller pulley. Do not use any greases, waxes or belt dressing. Oil resistance of the belt is limited and additives can harm seriously the belt.

Belt tensioning: The belt should be enough tensioned in order not to slip at maximum load. Excessive tension will reduce belt life. Run the drive briefly to seat the belt properly. As a rule of thumb the deflection of the belt should be 1,5% of the unsupported belt span, when a deflection force F (from table 8) with a spring scale is applied mid-way between pulleys. Correct belt tensioning through the take-up allowance. Repeat the process until the proper deflection is measured. Verify and readjust, if necessary, belt tensioning after 20 working hours and then periodically every 200 working hours.

Table 4: Belt deflection force (F) for belt tensioning

	SPZ	SPA	SPB	SPC
F (N)	25	50	75	125

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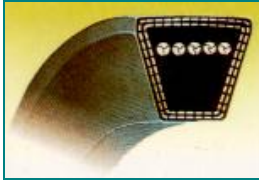
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Balflex® Power Transmission V-Belts



Balflex® Evolution V-Belt type SPZ – 60.SPZ

narrow 9,7 x 8 mm wrapped type V-belts for increased industrial power transmission



According to **DIN 7753-1** standard cross-section SPZ

(see catalogue page of type 3V belts for interchangeability with belts according to **MPTA-RMA-RAC IP-22** standard cross-section 3V)

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
Tension member: high strength low elongation PE cords
Body: compression fatigue and heat resistant synthetic rubber
Cross-section: 9,7 x 8 mm (0,38" x 0,31")
Use: industrial power transmission

Part Number	L	Le	Part Number	L	Le	Part Number	L	Le
	mm	mm		mm	mm		mm	mm
60.SPZ 0562	562	575	60.SPZ 1077	1077	1090	60.SPZ 1687	1687	1700
60.SPZ 0587	587	600	60.SPZ 1087	1087	1100	60.SPZ 1700	1700	1713
60.SPZ 0607	607	620	60.SPZ 1112	1112	1125	60.SPZ 1737	1737	1750
60.SPZ 0612	612	625	60.SPZ 1120	1120	1133	60.SPZ 1750	1750	1763
60.SPZ 0630	630	643	60.SPZ 1137	1137	1150	60.SPZ 1762	1762	1775
60.SPZ 0637	637	650	60.SPZ 1147	1147	1160	60.SPZ 1787	1787	1800
60.SPZ 0662	662	675	60.SPZ 1162	1162	1175	60.SPZ 1800	1800	1813
60.SPZ 0670	670	683	60.SPZ 1180	1180	1193	60.SPZ 1812	1812	1825
60.SPZ 0687	687	700	60.SPZ 1187	1187	1200	60.SPZ 1837	1837	1850
60.SPZ 0710	710	723	60.SPZ 1202	1202	1215	60.SPZ 1850	1850	1863
60.SPZ 0722	722	735	60.SPZ 1212	1212	1225	60.SPZ 1862	1862	1875
60.SPZ 0737	737	750	60.SPZ 1237	1237	1250	60.SPZ 1887	1887	1900
60.SPZ 0750	750	763	60.SPZ 1250	1250	1263	60.SPZ 1900	1900	1913
60.SPZ 0762	762	775	60.SPZ 1262	1262	1275	60.SPZ 1937	1937	1950
60.SPZ 0772	772	785	60.SPZ 1270	1270	1283	60.SPZ 1962	1962	1975
60.SPZ 0787	787	800	60.SPZ 1287	1287	1300	60.SPZ 1987	1987	2000
60.SPZ 0800	800	813	60.SPZ 1312	1312	1325	60.SPZ 2000	2000	2013
60.SPZ 0812	812	825	60.SPZ 1320	1320	1333	60.SPZ 2019	2019	2032
60.SPZ 0825	825	838	60.SPZ 1337	1337	1350	60.SPZ 2037	2037	2050
60.SPZ 0837	837	850	60.SPZ 1347	1347	1360	60.SPZ 2062	2062	2075
60.SPZ 0850	850	863	60.SPZ 1362	1362	1375	60.SPZ 2087	2087	2100
60.SPZ 0862	862	875	60.SPZ 1387	1387	1400	60.SPZ 2120	2120	2133
60.SPZ 0875	875	888	60.SPZ 1400	1400	1413	60.SPZ 2137	2137	2150
60.SPZ 0887	887	900	60.SPZ 1412	1412	1425	60.SPZ 2187	2187	2200
60.SPZ 0900	900	913	60.SPZ 1437	1437	1450	60.SPZ 2240	2240	2253
60.SPZ 0912	912	925	60.SPZ 1462	1462	1475	60.SPZ 2262	2262	2275
60.SPZ 0922	922	935	60.SPZ 1487	1487	1500	60.SPZ 2287	2287	2300
60.SPZ 0937	937	950	60.SPZ 1500	1500	1513	60.SPZ 2360	2360	2373
60.SPZ 0950	950	963	60.SPZ 1512	1512	1525	60.SPZ 2437	2437	2450
60.SPZ 0962	962	975	60.SPZ 1537	1537	1550	60.SPZ 2487	2487	2500
60.SPZ 0987	987	1000	60.SPZ 1562	1562	1575	60.SPZ 2500	2500	2513
60.SPZ 1000	1000	1013	60.SPZ 1587	1587	1600	60.SPZ 2650	2650	2663
60.SPZ 1012	1012	1025	60.SPZ 1600	1600	1613	60.SPZ 2800	2800	2813
60.SPZ 1024	1024	1037	60.SPZ 1612	1612	1625	60.SPZ 3000	3000	3013
60.SPZ 1037	1037	1050	60.SPZ 1637	1637	1650	60.SPZ 3150	3150	3163
60.SPZ 1047	1047	1060	60.SPZ 1650	1650	1663	60.SPZ 3350	3350	3363
60.SPZ 1060	1060	1073	60.SPZ 1662	1662	1675	60.SPZ 3550	3550	3563

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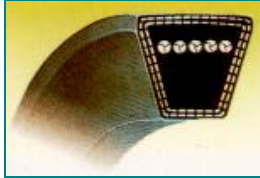
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Balflex® Power Transmission V-Belts

Balflex® Evolution V-Belt type SPZ – 60.SPZ

narrow 9,7 x 8 mm wrapped type V-belts for increased industrial power transmission



Power rating (kW)

D (mm)	R	speed of fast shaft (rpm)																	
		200	400	700	800	950	1200	1450	1600	2000	2400	2800	3200	3600	4000	4500	5000	5500	6000
63	1	0,19	0,34	0,54	0,59	0,68	0,81	0,93	1,00	1,17	1,32	1,46	1,57	1,67	1,75	1,82	1,86	1,88	1,85
	1,05	0,20	0,35	0,55	0,61	0,70	0,83	0,96	1,03	1,21	1,36	1,50	1,63	1,73	1,82	1,90	1,95	1,97	1,96
	1,2	0,22	0,39	0,61	0,68	0,78	0,94	1,09	1,18	1,39	1,59	1,77	1,93	2,07	2,19	2,32	2,42	2,48	2,52
	1,5	0,22	0,40	0,65	0,72	0,83	1,00	1,16	1,25	1,49	1,70	1,90	2,07	2,24	2,38	2,53	2,65	2,74	2,79
	3	0,23	0,42	0,68	0,76	0,87	1,06	1,23	1,33	1,58	1,81	2,03	2,22	2,40	2,57	2,74	2,88	3,00	3,08
71	1	0,24	0,44	0,70	0,78	0,89	1,08	1,25	1,35	1,59	1,81	2,01	2,19	2,34	2,48	2,61	2,70	2,74	2,75
	1,05	0,25	0,45	0,71	0,79	0,91	1,10	1,27	1,37	1,63	1,85	2,06	2,24	2,41	2,54	2,68	2,78	2,84	2,85
	1,2	0,27	0,48	0,78	0,87	1,00	1,21	1,41	1,52	1,81	2,08	2,32	2,54	2,74	2,92	3,10	3,25	3,35	3,41
	1,5	0,28	0,50	0,81	0,90	1,04	1,27	1,48	1,60	1,91	2,19	2,45	2,69	2,91	3,10	3,31	3,48	3,61	3,69
	3	0,29	0,52	0,84	0,94	1,09	1,32	1,54	1,67	2,00	2,30	2,58	2,84	3,08	3,29	3,52	3,72	3,87	3,97
80	1	0,31	0,55	0,89	0,99	1,15	1,39	1,61	1,75	2,07	2,37	2,64	2,89	3,10	3,28	3,46	3,59	3,66	3,66
	1,05	0,31	0,56	0,90	1,01	1,16	1,41	1,64	1,77	2,11	2,41	2,69	2,94	3,16	3,35	3,54	3,67	3,75	3,77
	1,2	0,33	0,60	0,97	1,08	1,25	1,52	1,78	1,92	2,29	2,64	2,95	3,24	3,50	3,72	3,96	4,14	4,27	4,33
	1,5	0,34	0,62	1,00	1,12	1,30	1,58	1,84	2,00	2,39	2,75	3,08	3,39	3,66	3,91	4,17	4,37	4,52	4,61
	3	0,35	0,64	1,03	1,16	1,34	1,63	1,91	2,07	2,48	2,86	3,21	3,54	3,83	4,10	4,38	4,61	4,78	4,89
90	1	0,37	0,67	1,09	1,22	1,41	1,71	1,99	2,16	2,57	2,95	3,29	3,60	3,87	4,09	4,32	4,47	4,55	4,54
	1,05	0,37	0,68	1,10	1,23	1,42	1,73	2,02	2,18	2,60	2,99	3,34	3,65	3,93	4,16	4,40	4,56	4,64	4,64
	1,2	0,39	0,72	1,16	1,31	1,51	1,84	2,15	2,33	2,79	3,21	3,60	3,95	4,27	4,54	4,82	5,02	5,16	5,20
	1,5	0,40	0,74	1,20	1,34	1,56	1,90	2,22	2,41	2,88	3,33	3,73	4,10	4,43	4,72	5,03	5,26	5,41	5,48
	3	0,41	0,75	1,23	1,38	1,60	1,95	2,29	2,48	2,98	3,44	3,86	4,25	4,60	4,91	5,24	5,49	5,67	5,76
100	1	0,43	0,79	1,28	1,43	1,66	2,02	2,36	2,56	3,05	3,50	3,91	4,27	4,59	4,85	5,10	5,26	5,32	5,27
	1,05	0,43	0,79	1,29	1,45	1,67	2,04	2,38	2,58	3,08	3,54	3,96	4,33	4,65	4,92	5,18	5,34	5,41	5,37
	1,2	0,45	0,83	1,36	1,52	1,76	2,15	2,52	2,73	3,27	3,77	4,22	4,63	4,99	5,29	5,60	5,81	5,93	5,93
	1,5	0,46	0,85	1,39	1,56	1,81	2,21	2,59	2,81	3,36	3,88	4,35	4,78	5,15	5,48	5,81	6,04	6,18	6,21
	3	0,47	0,87	1,42	1,60	1,85	2,26	2,65	2,88	3,46	3,99	4,48	4,93	5,32	5,67	6,02	6,28	6,44	6,49
112	1	0,51	0,94	1,53	1,71	1,99	2,42	2,83	3,07	3,67	4,21	4,70	5,12	5,48	5,77	6,03	6,17	6,16	6,01
	1,05	0,51	0,94	1,54	1,73	2,00	2,44	2,86	3,10	3,70	4,25	4,74	5,18	5,54	5,84	6,11	6,25	6,26	6,11
	1,2	0,53	0,98	1,61	1,80	2,09	2,55	2,99	3,25	3,89	4,47	5,01	5,48	5,88	6,22	6,53	6,72	6,77	6,67
	1,5	0,54	1,00	1,64	1,84	2,14	2,61	3,06	3,32	3,98	4,59	5,14	5,62	6,05	6,40	6,74	6,95	7,03	6,95
	3	0,55	1,02	1,67	1,88	2,18	2,67	3,13	3,40	4,07	4,70	5,27	5,77	6,22	6,59	6,95	7,19	7,29	7,23
125	1	0,59	1,09	1,78	1,99	2,31	2,82	3,30	3,58	4,27	4,90	5,45	5,92	6,32	6,62	6,85	6,92	6,81	
	1,05	0,59	1,09	1,79	2,01	2,33	2,84	3,33	3,61	4,30	4,94	5,50	5,98	6,38	6,68	6,93	7,01	6,90	
	1,2	0,61	1,13	1,85	2,08	2,42	2,95	3,46	3,75	4,49	5,16	5,76	6,28	6,71	7,06	7,35	7,47	7,41	
	1,5	0,62	1,15	1,89	2,12	2,46	3,01	3,53	3,83	4,58	5,27	5,89	6,43	6,88	7,24	7,56	7,71	7,67	
	3	0,63	1,17	1,92	2,16	2,51	3,06	3,60	3,90	4,68	5,39	6,02	6,58	7,05	7,43	7,77	7,94	7,93	
140	1	0,68	1,25	2,05	2,31	2,68	3,27	3,82	4,14	4,94	5,65	6,26	6,78	7,18	7,46	7,63			
	1,05	0,68	1,26	2,07	2,32	2,69	3,29	3,85	4,17	4,97	5,69	6,31	6,83	7,24	7,53	7,70			
	1,2	0,70	1,30	2,13	2,40	2,78	3,40	3,98	4,32	5,16	5,91	6,57	7,13	7,58	7,90	8,12			
	1,5	0,71	1,32	2,16	2,43	2,83	3,45	4,05	4,39	5,25	6,02	6,70	7,28	7,74	8,09	8,33			
	3	0,72	1,34	2,20	2,47	2,87	3,51	4,12	4,47	5,35	6,14	6,83	7,43	7,91	8,28	8,54			
160	1	0,79	1,48	2,43	2,73	3,16	3,86	4,51	4,88	5,80	6,61	7,28	7,81	8,19	8,39				
	1,05	0,80	1,49	2,44	2,74	3,18	3,88	4,54	4,91	5,84	6,65	7,33	7,87	8,25	8,46				
	1,2	0,82	1,52	2,50	2,81	3,27	3,99	4,67	5,06	6,03	6,87	7,59	8,17	8,59	8,83				
	1,5	0,83	1,54	2,54	2,85	3,31	4,05	4,74	5,14	6,12	6,98	7,72	8,32	8,75	9,02				
	3	0,83	1,56	2,57	2,89	3,36	4,10	4,81	5,21	6,21	7,10	7,85	8,47	8,92	9,21				

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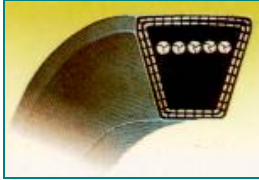
Balflex® – The European Technology

Balflex® Power Transmission V-Belts



Balflex® Evolution V-Belt type SPA – 60.SPA

narrow 12,7 x 10 mm wrapped type V-belts for increased industrial power transmission



According to **DIN 7753-1** standard cross-section SPA

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
- Tension member:** high strength low elongation PE cords
- Body:** compression fatigue and heat resistant synthetic rubber
- Cross-section:** 12,7 x 10 mm (0,5" x 0,39")
- Use:** industrial power transmission

Part Number	L	Le	Part Number	L	Le	Part Number	L	Le
	mm	mm		mm	mm		mm	mm
60.SPA 0647	647	665	60.SPA 1400	1400	1418	60.SPA 2232	2232	2250
60.SPA 0707	707	725	60.SPA 1407	1407	1425	60.SPA 2240	2240	2258
60.SPA 0732	732	750	60.SPA 1425	1425	1443	60.SPA 2282	2282	2300
60.SPA 0757	757	775	60.SPA 1432	1432	1450	60.SPA 2300	2300	2318
60.SPA 0782	782	800	60.SPA 1457	1457	1475	60.SPA 2307	2307	2325
60.SPA 0800	800	818	60.SPA 1482	1482	1500	60.SPA 2332	2332	2350
60.SPA 0807	807	825	60.SPA 1500	1500	1518	60.SPA 2360	2360	2378
60.SPA 0832	832	850	60.SPA 1507	1507	1525	60.SPA 2382	2382	2400
60.SPA 0850	850	868	60.SPA 1532	1532	1550	60.SPA 2432	2432	2450
60.SPA 0857	857	875	60.SPA 1557	1557	1575	60.SPA 2482	2482	2500
60.SPA 0882	882	900	60.SPA 1582	1582	1600	60.SPA 2500	2500	2518
60.SPA 0900	900	918	60.SPA 1600	1600	1618	60.SPA 2532	2532	2550
60.SPA 0907	907	925	60.SPA 1607	1607	1625	60.SPA 2582	2582	2600
60.SPA 0925	925	943	60.SPA 1632	1632	1650	60.SPA 2607	2607	2625
60.SPA 0932	932	950	60.SPA 1657	1657	1675	60.SPA 2632	2632	2650
60.SPA 0950	950	968	60.SPA 1682	1682	1700	60.SPA 2650	2650	2668
60.SPA 0957	957	975	60.SPA 1700	1700	1718	60.SPA 2682	2682	2700
60.SPA 0982	982	1000	60.SPA 1707	1707	1725	60.SPA 2732	2732	2750
60.SPA 1000	1000	1018	60.SPA 1732	1732	1750	60.SPA 2782	2782	2800
60.SPA 1007	1007	1025	60.SPA 1757	1757	1775	60.SPA 2800	2800	2818
60.SPA 1032	1032	1050	60.SPA 1800	1800	1818	60.SPA 2832	2832	2850
60.SPA 1060	1060	1078	60.SPA 1807	1807	1825	60.SPA 2847	2847	2865
60.SPA 1082	1082	1100	60.SPA 1832	1832	1850	60.SPA 2882	2882	2900
60.SPA 1107	1107	1125	60.SPA 1857	1857	1875	60.SPA 2932	2932	2950
60.SPA 1120	1120	1138	60.SPA 1882	1882	1900	60.SPA 2982	2982	3000
60.SPA 1132	1132	1150	60.SPA 1900	1900	1918	60.SPA 3000	3000	3018
60.SPA 1157	1157	1175	60.SPA 1907	1907	1925	60.SPA 3032	3032	3050
60.SPA 1180	1180	1198	60.SPA 1925	1925	1943	60.SPA 3082	3082	3100
60.SPA 1207	1207	1225	60.SPA 1932	1932	1950	60.SPA 3150	3150	3168
60.SPA 1232	1232	1250	60.SPA 1957	1957	1975	60.SPA 3182	3182	3200
60.SPA 1250	1250	1268	60.SPA 1982	1982	2000	60.SPA 3282	3282	3300
60.SPA 1257	1257	1275	60.SPA 2000	2000	2018	60.SPA 3350	3350	3368
60.SPA 1272	1272	1290	60.SPA 2032	2032	2050	60.SPA 3382	3382	3400
60.SPA 1282	1282	1300	60.SPA 2057	2057	2075	60.SPA 3550	3550	3568
60.SPA 1307	1307	1325	60.SPA 2082	2082	2100	60.SPA 3750	3750	3768
60.SPA 1320	1320	1338	60.SPA 2120	2120	2138	60.SPA 4000	4000	4018
60.SPA 1332	1332	1350	60.SPA 2132	2132	2150	60.SPA 4250	4250	4268
60.SPA 1357	1357	1375	60.SPA 2182	2182	2200	60.SPA 4500	4500	4518
60.SPA 1382	1382	1400	60.SPA 2207	2207	2225			

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Balflex® Power Transmission V-Belts

Balflex® Evolution V-Belt type SPA – 60.SPA

narrow 12,7 x 10 mm wrapped type V-belts for increased industrial power transmission



Power rating (kW)

D (mm)	R	speed of fast shaft (rpm)																	
		200	400	700	800	950	1200	1450	1600	2000	2400	2800	3200	3600	4000	4500	5000	5500	6000
90	1	0,43	0,76	1,18	1,31	1,49	1,77	2,02	2,16	2,49	2,76	2,98	3,13	3,23	3,27	3,21	3,05	2,76	2,34
	1,05	0,45	0,80	1,25	1,39	1,58	1,89	2,16	2,32	2,69	3,00	3,26	3,45	3,59	3,67	3,66	3,55	3,31	2,94
	1,2	0,48	0,85	1,33	1,48	1,69	2,02	2,33	2,50	2,91	3,27	3,57	3,82	4,00	4,12	4,17	4,11	3,94	3,63
	1,5	0,51	0,91	1,43	1,60	1,83	2,20	2,54	2,73	3,20	3,62	3,98	4,28	4,52	4,70	4,83	4,84	4,73	4,50
	3	0,53	0,95	1,51	1,69	1,94	2,33	2,70	2,91	3,43	3,89	4,30	4,64	4,93	5,15	5,33	5,40	5,35	5,17
100	1	0,53	0,95	1,50	1,66	1,90	2,28	2,63	2,82	3,29	3,70	4,05	4,32	4,53	4,66	4,71	4,63	4,40	4,02
	1,05	0,55	0,99	1,57	1,74	2,00	2,40	2,77	2,98	3,49	3,94	4,33	4,64	4,89	5,06	5,16	5,13	4,95	4,62
	1,2	0,57	1,03	1,65	1,83	2,11	2,54	2,94	3,16	3,72	4,22	4,65	5,01	5,30	5,51	5,67	5,70	5,58	5,30
	1,5	0,60	1,09	1,75	1,95	2,25	2,71	3,15	3,39	4,01	4,57	5,05	5,47	5,82	6,10	6,33	6,42	6,38	6,17
	3	0,63	1,14	1,83	2,04	2,35	2,84	3,31	3,57	4,24	4,84	5,37	5,83	6,23	6,55	6,83	6,99	7,00	6,85
112	1	0,65	1,17	1,88	2,09	2,41	2,90	3,36	3,62	4,24	4,79	5,23	5,58	5,83	5,96	5,95	5,73	5,28	4,59
	1,05	0,67	1,21	1,95	2,17	2,50	3,02	3,50	3,78	4,44	5,03	5,51	5,90	6,19	6,36	6,40	6,23	5,83	5,19
	1,2	0,69	1,26	2,03	2,26	2,61	3,16	3,67	3,96	4,67	5,30	5,83	6,27	6,60	6,81	6,91	6,79	6,45	5,87
	1,5	0,72	1,32	2,13	2,38	2,75	3,33	3,88	4,19	4,96	5,65	6,24	6,73	7,12	7,39	7,56	7,52	7,25	6,74
	3	0,74	1,36	2,21	2,47	2,86	3,47	4,04	4,37	5,19	5,92	6,55	7,09	7,53	7,84	8,07	8,08	7,87	7,42
125	1	0,77	1,41	2,27	2,54	2,93	3,55	4,12	4,45	5,24	5,92	6,48	6,90	7,19	7,33	7,26	6,90	6,24	5,23
	1,05	0,79	1,45	2,34	2,62	3,03	3,67	4,27	4,61	5,44	6,16	6,76	7,22	7,55	7,73	7,71	7,40	6,79	5,83
	1,2	0,81	1,49	2,42	2,71	3,14	3,80	4,43	4,79	5,66	6,43	7,07	7,59	7,96	8,18	8,22	7,97	7,41	6,52
	1,5	0,84	1,55	2,52	2,83	3,27	3,98	4,64	5,02	5,95	6,78	7,48	8,05	8,49	8,76	8,87	8,70	8,21	7,39
	3	0,86	1,60	2,60	2,92	3,38	4,11	4,81	5,20	6,18	7,05	7,80	8,41	8,89	9,21	9,38	9,26	8,83	8,06
140	1	0,92	1,70	2,76	3,09	3,57	4,34	5,05	5,45	6,43	7,27	7,94	8,44	8,75	8,84	8,63	8,03	6,99	
	1,05	0,94	1,74	2,83	3,17	3,67	4,46	5,19	5,61	6,63	7,51	8,22	8,76	9,11	9,24	9,08	8,53	7,54	
	1,2	0,96	1,78	2,91	3,26	3,78	4,59	5,36	5,79	6,86	7,78	8,54	9,12	9,52	9,70	9,59	9,10	8,16	
	1,5	0,99	1,84	3,01	3,38	3,92	4,77	5,57	6,03	7,15	8,13	8,95	9,59	10,04	10,28	10,25	9,82	8,96	
	3	1,01	1,88	3,09	3,47	4,02	4,90	5,73	6,21	7,38	8,40	9,26	9,95	10,44	10,73	10,76	10,39	9,58	
160	1	1,10	2,05	3,36	3,77	4,37	5,32	6,19	6,69	7,88	8,87	9,63	10,13	10,35	10,27	9,68	8,49		
	1,05	1,12	2,09	3,43	3,85	4,47	5,44	6,34	6,85	8,08	9,11	9,91	10,45	10,71	10,67	10,13	8,99		
	1,2	1,15	2,14	3,51	3,95	4,58	5,57	6,50	7,03	8,31	9,38	10,22	10,82	11,12	11,12	10,64	9,56		
	1,5	1,18	2,20	3,61	4,06	4,71	5,75	6,72	7,26	8,60	9,73	10,63	11,28	11,65	11,70	11,29	10,29		
	3	1,20	2,24	3,69	4,15	4,82	5,88	6,88	7,44	8,82	10,00	10,95	11,64	12,05	12,15	11,80	10,85		
180	1	1,29	2,42	3,97	4,46	5,17	6,29	7,33	7,90	9,27	10,36	11,13	11,54	11,55	11,12	9,89			
	1,05	1,31	2,46	4,04	4,54	5,27	6,41	7,47	8,06	9,47	10,60	11,41	11,86	11,91	11,52	10,34			
	1,2	1,33	2,50	4,12	4,63	5,37	6,55	7,64	8,25	9,70	10,87	11,73	12,23	12,32	11,98	10,85			
	1,5	1,36	2,56	4,22	4,75	5,51	6,72	7,85	8,48	9,99	11,22	12,13	12,69	12,85	12,56	11,50			
	3	1,39	2,60	4,30	4,84	5,62	6,86	8,01	8,66	10,21	11,49	12,45	13,05	13,25	13,01	12,01			
200	1	1,48	2,77	4,55	5,11	5,92	7,19	8,34	8,98	10,44	11,53	12,19	12,35	11,97	10,97				
	1,05	1,50	2,81	4,62	5,19	6,02	7,31	8,49	9,14	10,64	11,77	12,47	12,67	12,33	11,37				
	1,2	1,52	2,86	4,70	5,28	6,13	7,44	8,65	9,32	10,87	12,05	12,79	13,04	12,74	11,83				
	1,5	1,55	2,92	4,81	5,40	6,26	7,62	8,86	9,55	11,16	12,39	13,19	13,50	13,26	12,41				
	3	1,58	2,96	4,88	5,49	6,37	7,75	9,03	9,73	11,39	12,66	13,51	13,86	13,67	12,86				
224	1	1,71	3,21	5,29	5,94	6,88	8,35	9,67	10,39	12,01	13,13	13,67	13,55	12,67	10,97				
	1,05	1,73	3,25	5,36	6,02	6,98	8,47	9,82	10,55	12,21	13,37	13,95	13,87	13,03	11,37				
	1,2	1,75	3,29	5,44	6,11	7,09	8,61	9,98	10,74	12,44	13,64	14,27	14,23	13,44	11,83				
	1,5	1,78	3,35	5,54	6,23	7,22	8,78	10,19	10,97	12,73	13,99	14,68	14,69	13,97	12,41				
	3	1,80	3,40	5,62	6,32	7,33	8,91	10,36	11,15	12,96	14,26	14,99	15,05	14,37	12,86				

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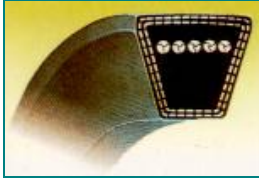
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Balflex® Power Transmission V-Belts



Balflex® Evolution V-Belt type SPB – 60.SPB

narrow 16,3 x 13 mm wrapped type V-belts for increased industrial power transmission



According to **DIN 7753-1** standard cross-section SPB

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
- Tension member:** high strength low elongation PE cords
- Body:** compression fatigue and heat resistant synthetic rubber
- Cross-section:** 16,3 x 13 mm (0,62" x 0,53")
- Use:** industrial power transmission

Part Number	L	Le
	mm	mm
60.SPB 1250	1250	1272
60.SPB 1320	1320	1342
60.SPB 1400	1400	1422
60.SPB 1500	1500	1522
60.SPB 1600	1600	1622
60.SPB 1700	1700	1722
60.SPB 1800	1800	1822
60.SPB 1900	1900	1922
60.SPB 2000	2000	2022
60.SPB 2120	2120	2142
60.SPB 2240	2240	2262
60.SPB 2264	2264	2286
60.SPB 2360	2360	2382
60.SPB 2391	2391	2413
60.SPB 2500	2500	2522
60.SPB 2650	2650	2672
60.SPB 2800	2800	2822
60.SPB 3000	3000	3022
60.SPB 3150	3150	3172
60.SPB 3350	3350	3372
60.SPB 3550	3550	3572
60.SPB 3750	3750	3772
60.SPB 4000	4000	4022
60.SPB 4250	4250	4272
60.SPB 4500	4500	4522
60.SPB 4750	4750	4772
60.SPB 5000	5000	5022
60.SPB 5300	5300	5322
60.SPB 5600	5600	5622
60.SPB 6000	6000	6022
60.SPB 6300	6300	6322
60.SPB 6700	6700	6722
60.SPB 7100	7100	7122
60.SPB 7500	7500	7522
60.SPB 8000	8000	8022

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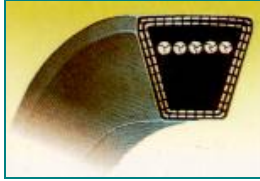
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Power rating (kW)

D (mm)	R	speed of fast shaft (rpm)																
		200	400	700	800	950	1200	1450	1600	1800	2000	2200	2400	2800	3200	3600	4000	4500
140	1	1,08	1,94	3,07	3,41	3,90	4,64	5,28	5,63	6,04	6,38	6,66	6,87	7,04	7,00	6,82	6,58	6,20
	1,05	1,10	1,97	3,12	3,47	3,97	4,72	5,39	5,75	6,17	6,53	6,82	7,04	7,24	7,22	7,05	6,83	6,47
	1,2	1,18	2,13	3,40	3,78	4,34	5,19	5,96	6,37	6,87	7,31	7,68	7,98	8,32	8,42	8,35	8,20	7,92
	1,5	1,21	2,21	3,53	3,94	4,52	5,43	6,24	6,68	7,22	7,70	8,11	8,45	8,85	9,01	8,99	8,87	8,64
	3	1,26	2,29	3,67	4,10	4,71	5,66	6,53	7,00	7,58	8,09	8,54	8,92	9,39	9,61	9,64	9,56	9,37
160	1	1,38	2,52	4,03	4,49	5,15	6,16	7,06	7,54	8,11	8,60	8,99	9,29	9,57	9,53	9,29	8,97	8,47
	1,05	1,40	2,55	4,08	4,55	5,22	6,25	7,17	7,66	8,24	8,74	9,15	9,46	9,76	9,75	9,53	9,22	8,73
	1,2	1,48	2,70	4,35	4,86	5,59	6,72	7,73	8,28	8,95	9,53	10,01	10,41	10,84	10,94	10,82	10,59	10,18
	1,5	1,52	2,78	4,49	5,02	5,78	6,95	8,02	8,60	9,30	9,92	10,44	10,87	11,37	11,54	11,46	11,27	10,90
	3	1,56	2,86	4,63	5,18	5,97	7,19	8,30	8,91	9,65	10,31	10,88	11,35	11,91	12,14	12,11	11,95	11,63
180	1	1,66	3,05	4,91	5,48	6,30	7,56	8,67	9,27	9,97	10,56	11,04	11,39	11,68	11,57	11,21	10,74	10,03
	1,05	1,68	3,08	4,96	5,54	6,37	7,65	8,78	9,38	10,10	10,71	11,20	11,56	11,88	11,79	11,44	10,99	10,29
	1,2	1,76	3,24	5,24	5,86	6,74	8,12	9,35	10,01	10,81	11,49	12,06	12,51	12,95	12,98	12,73	12,36	11,75
	1,5	1,80	3,31	5,37	6,01	6,93	8,35	9,63	10,32	11,16	11,88	12,49	12,97	13,49	13,58	13,38	13,04	12,47
	3	1,84	3,39	5,51	6,17	7,12	8,59	9,91	10,64	11,51	12,28	12,92	13,45	14,03	14,18	14,02	13,73	13,19
200	1	1,96	3,61	5,83	6,52	7,50	9,00	10,33	11,03	11,85	12,53	13,06	13,43	13,65	13,37	12,78	12,09	
	1,05	1,97	3,64	5,88	6,58	7,57	9,09	10,43	11,14	11,98	12,67	13,22	13,60	13,85	13,59	13,02	12,34	
	1,2	2,05	3,79	6,16	6,89	7,94	9,56	11,00	11,77	12,69	13,46	14,08	14,54	14,92	14,78	14,31	13,71	
	1,5	2,09	3,87	6,29	7,05	8,13	9,79	11,28	12,08	13,04	13,85	14,51	15,01	15,46	15,38	14,95	14,39	
	3	2,13	3,95	6,43	7,21	8,31	10,03	11,57	12,40	13,39	14,24	14,94	15,48	16,00	15,98	15,60	15,07	
224	1	2,30	4,25	6,90	7,71	8,87	10,64	12,19	13,00	13,92	14,67	15,21	15,54	15,57	14,96	13,98		
	1,05	2,31	4,28	6,95	7,77	8,94	10,73	12,29	13,11	14,05	14,81	15,37	15,72	15,76	15,18	14,22		
	1,2	2,39	4,44	7,22	8,08	9,31	11,20	12,86	13,74	14,76	15,60	16,23	16,66	16,84	16,38	15,51		
	1,5	2,43	4,52	7,36	8,24	9,50	11,43	13,14	14,05	15,11	15,98	16,66	17,13	17,37	16,97	16,15		
	3	2,47	4,59	7,49	8,40	9,69	11,67	13,43	14,36	15,46	16,38	17,09	17,60	17,91	17,57	16,80		
250	1	2,66	4,95	8,03	8,98	10,33	12,37	14,12	15,02	16,02	16,79	17,29	17,50	17,15				
	1,05	2,68	4,97	8,08	9,04	10,40	12,46	14,23	15,14	16,15	16,93	17,44	17,68	17,35				
	1,2	2,76	5,13	8,36	9,35	10,77	12,93	14,80	15,76	16,86	17,71	18,31	18,62	18,43				
	1,5	2,80	5,21	8,49	9,51	10,96	13,16	15,08	16,07	17,21	18,10	18,74	19,09	18,96				
	3	2,84	5,29	8,63	9,67	11,15	13,40	15,36	16,39	17,56	18,50	19,17	19,56	19,50				
280	1	3,06	5,69	9,25	10,34	11,88	14,18	16,12	17,08	18,11	18,82	19,20	19,20					
	1,05	3,07	5,72	9,30	10,40	11,95	14,27	16,22	17,19	18,24	18,97	19,35	19,37					
	1,2	3,15	5,88	9,57	10,71	12,32	14,74	16,79	17,82	18,94	19,75	20,22	20,31					
	1,5	3,19	5,95	9,71	10,86	12,51	14,97	17,07	18,13	19,29	20,14	20,64	20,78					
	3	3,23	6,03	9,85	11,02	12,69	15,21	17,36	18,45	19,65	20,53	21,08	21,25					
315	1	3,56	6,63	10,77	12,02	13,79	16,38	18,48	19,47	20,44	20,99	21,07	20,64					
	1,05	3,57	6,66	10,82	12,08	13,86	16,47	18,58	19,58	20,57	21,14	21,23	20,81					
	1,2	3,65	6,82	11,09	12,39	14,23	16,94	19,15	20,21	21,28	21,92	22,09	21,75					
	1,5	3,69	6,89	11,23	12,55	14,41	17,17	19,43	20,52	21,63	22,31	22,52	22,22					
	3	3,73	6,97	11,36	12,71	14,60	17,41	19,72	20,84	21,98	22,70	22,95	22,69					
355	1	4,09	7,62	12,36	13,78	15,76	18,60	20,78	21,73	22,53	22,74							
	1,05	4,10	7,65	12,41	13,84	15,83	18,68	20,88	21,84	22,65	22,89							
	1,2	4,18	7,81	12,68	14,15	16,20	19,15	21,45	22,47	23,36	23,67							
	1,5	4,22	7,89	12,82	14,31	16,39	19,39	21,73	22,78	23,71	24,06							
	3	4,26	7,97	12,95	14,46	16,57	19,62	22,02	23,09	24,07	24,45							

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Balflex® – The European Technology

Balflex® Power Transmission V-Belts



Balflex® Evolution V-Belt type SPC – 60.SPC

narrow 22 x 18 mm wrapped type V-belts for increased industrial power transmission



According to **DIN 7753-1** standard cross-section SPC

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
- Tension member:** high strength low elongation PE cords
- Body:** compression fatigue and heat resistant synthetic rubber
- Cross-section:** 22 x 18 mm (0,87" x 0,71")
- Use:** industrial power transmission

Part Number	L	Le
	mm	mm
60.SPC 2000	2000	2030
60.SPC 2120	2120	2150
60.SPC 2240	2240	2270
60.SPC 2360	2360	2390
60.SPC 2500	2500	2530
60.SPC 2650	2650	2680
60.SPC 2800	2800	2830
60.SPC 3000	3000	3030
60.SPC 3150	3150	3180
60.SPC 3350	3350	3380
60.SPC 3550	3550	3580
60.SPC 3750	3750	3780
60.SPC 4000	4000	4030
60.SPC 4250	4250	4280
60.SPC 4500	4500	4530
60.SPC 4750	4750	4780
60.SPC 5000	5000	5030
60.SPC 5300	5300	5330
60.SPC 5600	5600	5630
60.SPC 6000	6000	6030
60.SPC 6300	6300	6330
60.SPC 6700	6700	6730
60.SPC 7100	7100	7130
60.SPC 7500	7500	7530
60.SPC 8000	8000	8030
60.SPC 8500	8500	8530
60.SPC 9000	9000	9030
60.SPC 9500	9500	9530
60.SPC 10000	10000	10030
60.SPC 10600	10600	10630
60.SPC 11200	11200	11230
60.SPC 11800	11800	11830
60.SPC 12000	12000	12030
60.SPC 12500	12500	12530

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narrow 22 x 18 mm wrapped type V-belts for increased industrial power transmission



Power rating (kW)

D (mm)	R	speed of fast shaft (rpm)																
		200	300	400	500	600	700	800	950	1200	1450	1600	1800	2000	2200	2400	2800	3200
224	1	2,90	4,11	5,24	6,31	7,30	8,23	9,09	10,25	11,81	12,83	13,16	13,22	12,95	12,47	11,95	10,12	8,08
	1,05	3,02	4,17	5,32	6,40	7,42	8,37	9,25	10,44	12,05	13,12	13,48	13,58	13,33	12,89	12,39	10,61	8,60
	1,2	3,16	4,50	5,76	6,94	8,07	9,12	10,12	11,47	13,34	14,68	15,20	15,52	15,45	15,15	14,76	13,24	11,44
	1,5	3,26	4,66	5,97	7,21	8,39	9,50	10,54	11,98	13,99	15,46	16,06	16,49	16,50	16,27	15,93	14,55	12,85
	3	3,38	4,82	6,19	7,48	8,71	9,88	10,98	12,49	14,64	16,25	16,93	17,46	17,56	17,40	17,12	15,87	14,27
250	1	3,54	5,05	6,46	7,80	9,06	10,24	11,34	12,83	14,85	16,20	16,65	16,79	16,49	15,93	15,30	13,06	10,53
	1,05	3,66	5,11	6,54	7,90	9,18	10,38	11,50	13,02	15,09	16,49	16,97	17,15	16,88	16,34	15,73	13,54	11,05
	1,2	3,79	5,43	6,97	8,44	9,83	11,14	12,36	14,05	16,38	18,05	18,70	19,09	18,99	18,60	18,11	16,18	13,89
	1,5	3,90	5,59	7,19	8,71	10,15	11,51	12,79	14,55	17,02	18,83	19,56	20,06	20,04	19,73	19,28	17,49	15,30
	3	4,02	5,75	7,41	8,98	10,47	11,89	13,23	15,07	17,67	19,62	20,42	21,03	21,10	20,86	20,47	18,81	16,72
280	1	4,19	5,99	7,70	9,31	10,84	12,27	13,60	15,41	17,85	19,48	20,01	20,14	19,72	19,00	18,19	15,34	12,13
	1,05	4,31	6,05	7,78	9,41	10,96	12,41	13,76	15,60	18,09	19,76	20,32	20,49	20,11	19,41	18,62	15,82	12,65
	1,2	4,44	6,38	8,21	9,95	11,60	13,16	14,62	16,62	19,38	21,33	22,05	22,44	22,23	21,67	21,00	18,46	15,49
	1,5	4,55	6,54	8,43	10,22	11,92	13,54	15,05	17,13	20,03	22,11	22,91	23,40	23,28	22,79	22,17	19,77	16,90
	3	4,67	6,70	8,64	10,49	12,25	13,92	15,49	17,65	20,68	22,89	23,78	24,38	24,34	23,93	23,36	21,09	18,33
315	1	4,98	7,15	9,21	11,15	12,99	14,72	16,33	18,50	21,40	23,26	23,81	23,80	23,13	22,08	20,95	17,07	
	1,05	5,10	7,21	9,29	11,25	13,11	14,86	16,48	18,68	21,63	23,54	24,12	24,16	23,51	22,49	21,39	17,55	
	1,2	5,23	7,53	9,72	11,79	13,76	15,61	17,35	19,71	22,93	25,11	25,85	26,10	25,63	24,75	23,76	20,19	
	1,5	5,34	7,69	9,93	12,06	14,08	15,99	17,78	20,22	23,57	25,89	26,71	27,06	26,68	25,88	24,93	21,50	
	3	5,46	7,86	10,15	12,33	14,41	16,37	18,21	20,73	24,22	26,67	27,58	28,04	27,74	27,01	26,12	22,82	
355	1	5,91	8,51	10,97	13,30	15,50	17,56	19,47	22,03	25,37	27,36	27,81	27,45	26,28	24,67	23,01		
	1,05	6,03	8,57	11,05	13,40	15,62	17,70	19,63	22,22	25,61	27,65	28,13	27,81	26,67	25,08	23,44		
	1,2	6,16	8,89	11,48	13,94	16,27	18,46	20,49	23,24	26,90	29,21	29,86	29,75	28,79	27,34	25,81		
	1,5	6,27	9,05	11,70	14,21	16,59	18,83	20,92	23,75	27,54	29,99	30,72	30,72	29,84	28,47	26,99		
	3	6,39	9,21	11,91	14,48	16,92	19,21	21,36	24,27	28,19	30,77	31,58	31,69	30,90	29,60	28,18		
400	1	6,88	9,93	12,81	15,54	18,10	20,50	22,70	25,61	29,28	31,22	31,43	30,44	28,50				
	1,05	7,00	9,99	12,89	15,64	18,22	20,63	22,86	25,80	29,52	31,51	31,74	30,80	28,89				
	1,2	7,14	10,31	13,32	16,18	18,87	21,39	23,72	26,83	30,82	33,07	33,47	32,74	31,01				
	1,5	7,25	10,47	13,54	16,45	19,19	21,76	24,15	27,33	31,46	33,85	34,33	33,70	32,06				
	3	7,36	10,63	13,75	16,72	19,52	22,14	24,58	27,85	32,11	34,64	35,19	34,68	33,12				
450	1	7,98	11,53	14,88	18,04	21,00	23,74	26,24	29,49	33,37	34,99	34,70	32,67					
	1,05	8,10	11,59	14,96	18,14	21,12	23,88	26,40	29,68	33,61	35,27	35,02	33,02					
	1,2	8,24	11,91	15,39	18,68	21,77	24,64	27,26	30,70	34,90	36,84	36,75	34,97					
	1,5	8,35	12,07	15,60	18,95	22,09	25,01	27,69	31,21	35,55	37,62	37,60	35,93					
	3	8,46	12,23	15,82	19,22	22,42	25,39	28,13	31,73	36,20	38,40	38,47	36,91					
500	1	9,08	13,11	16,93	20,51	23,84	26,90	29,66	33,16	37,04	38,04	37,03						
	1,05	9,20	13,17	17,00	20,61	23,96	27,04	29,81	33,35	37,28	38,32	37,34						
	1,2	9,33	13,50	17,44	21,15	24,61	27,79	30,68	34,37	38,58	39,89	39,07						
	1,5	9,44	13,66	17,65	21,41	24,93	28,17	31,11	34,88	39,22	40,67	39,93						
	3	9,56	13,82	17,87	21,68	25,25	28,55	31,54	35,40	39,87	41,45	40,79						
560	1	10,33	14,92	19,25	23,29	27,02	30,40	33,40	37,09	40,71	40,58							
	1,05	10,45	14,98	19,33	23,39	27,14	30,54	33,56	37,28	40,95	40,87							
	1,2	10,58	15,30	19,76	23,93	27,79	31,30	34,42	38,30	42,24	42,44							
	1,5	10,69	15,46	19,97	24,19	28,11	31,67	34,85	38,81	42,89	43,21							
	3	10,80	15,63	20,19	24,47	28,43	32,05	35,29	39,33	43,54	44,00							

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Balflex® – The European Technology



Balflex® Extreme V-Belts

Balflex® Extreme is the narrow trapezoidal V-belt range of **Balflex®**, according to **MPTA-RMA-RAC IP-22** standard.

Extreme V-belts have considerably smaller cross-sections than comparable power rated classic V-belts. They add up to the economic and versatile, low-maintenance characteristics of classic V-belts high efficiency for top rated performance. Among their features are:

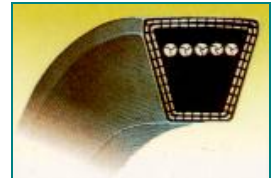
Low weight: Special cross-section design allows a significant mass reduction, which in turn assures better dynamic characteristics

High speed: Better dynamic characteristics allow faster speeds

Compact drive design: Better dynamic characteristics allow smaller sheave diameters, shorter centre distances and an overall more compact design of the transmission drive

Low Maintenance: Better dynamic characteristics allow lower tensioning and therefore less take-up and less effort on the shafts and bearings

Dimensional Stability: Dimensional checks assure high uniformity of belt weight and pitch line along all length



All Balflex V-Belts are branded:

OIL & HEAT
RESISTANT
ANTI-STATIC

Balflex® Extreme V-belts are supplied in the following cross-sections:

Belt Profile	Cross-Section (W x H)	
	inch	mm
3V	0.38 x 0.31	9,0 x 8,0
5V	0.62 x 0.53	15,0 x 13,0
8V	1.00 x 0.91	25,0 x 23,0

Balflex® Extreme V-belts are identified by the profile type and by the pitch length. All profiles are manufactured in standard lengths, listed in the catalogue pages. They can be supplied also in customized lengths.

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Balflex® Power Transmission V-Belts

Drive Design

Design Power: The nominal power of the drive should be corrected by a service factor relating the type of driving unit, the type of driven unit and the daily service hours:

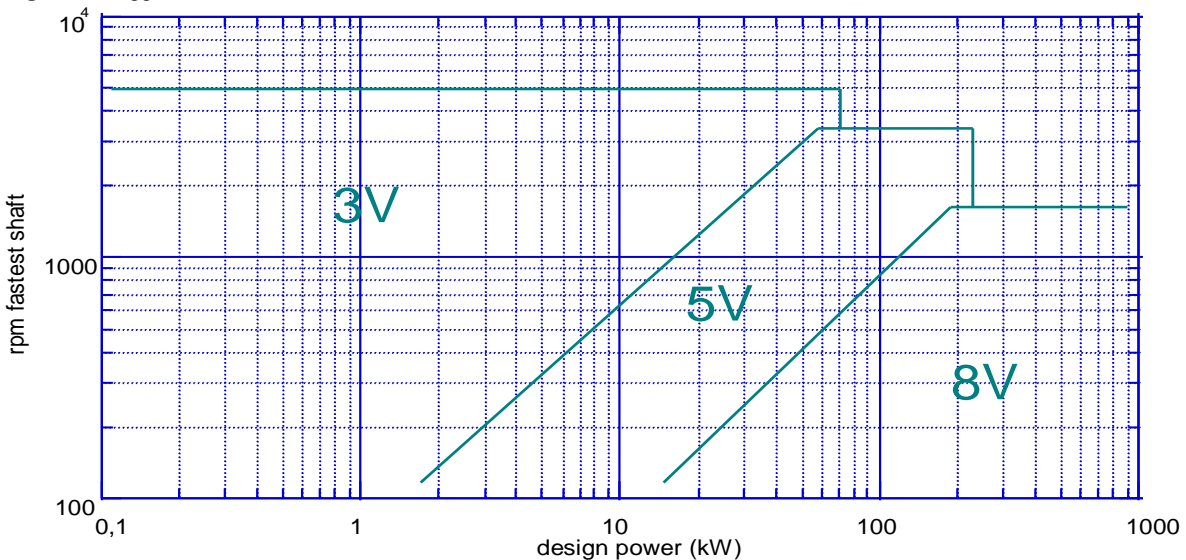
$$P_{\text{design}} = P_{\text{nominal}} \times f_{\text{service}}$$

Table 1: Suggested service factors (f_{service}) for Extreme V-belts

Types of driven units	Types of driving units					
	Normal torque AC and DC motors DC shunt wound motors Internal combustion engines above 600 rpm			High torque AC and DC motors DC series and compound wound motors Internal combustion engines up to 600 rpm		
	daily operating hours			daily operating hours		
	<10	10-16	>16	<10	10-16	>16
Light duty light duty conveyors, centrifugal pumps and compressors, fans and pumps up to 7,5 kW	1,0	1,1	1,2	1,1	1,2	1,3
Normal duty granulate conveyors, punches, presses, shears, vibrating screens, dough mixers, generators, printing machinery, washing machines, fans and pumps over 7,5 kW	1,1	1,2	1,3	1,2	1,3	1,4
Heavy duty Drag-pan-screw conveyors, piston pumps and compressors, elevators, brick presses, textile machinery, paper mill machinery, saw mill machinery, hammer mills	1,2	1,3	1,4	1,4	1,5	1,6
Very heavy duty crushers, calenders, mixers, hoists, cranes	1,3	1,4	1,5	1,5	1,6	1,8

Belt profile selection: The belt profile suitable for the power transmission should be selected from the following graph, relating the calculated design power with the speed of the fastest shaft:

Figure 1: Suggested cross-section selection of Extreme V-belts



Speed ratio (R) calculation: The speed ratio is the quotient of faster and slower shaft speed:

$$R = \text{rpm of faster shaft} / \text{rpm of slower shaft}$$

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Balflex® Power Transmission V-Belts



Drive Design (cont.)

Sheave diameter (D) selection: If the space requirements or other constraints do not impose a specific sheave diameter, choose a sheave diameter for the slowest shaft close to the maximum speed recommended for narrow V-belts (40 m/s):

$$D_1 \text{ (mm)} = 3.600.000 / \text{rpm of slower shaft}$$

Choose the next smallest standard sheave diameter as D_1 and divide by the speed ratio (R) to find the diameter D_2 of the other sheave.

$$D_1 \text{ (mm)} / R = D_2 \text{ (mm)}$$

If the value for D_2 is not a standard sheave value, restart the iteration by picking as a new value for D_1 the next smallest sheave diameter. Repeat until you find a suitable pair of standard sheave diameters.

Note: Sheave rim speed in excess of 30 m/s require special sheave construction materials. Sheave rim speed in excess of 25 m/s require dynamic balance of the sheave.

Belt length (L) calculation: The approximate belt length is

$$L_1 \text{ (mm)} = 2 * C_1 + 1,571 * (D_1 + D_2) + (D_1 - D_2)^2 / 4 * C_1$$

where C is the centre distance (distance between the axis of the two shafts). The value for the centre distance should be taken between 0,7 and $2,0 * (D_1 + D_2)$.

Belt length (L) selection: Choose from the catalogue the nearest standard length (L) available and recalculate the design centre distance:

$$C \text{ (mm)} = A + (A^2 - B)^{1/2}$$

$$\text{where } A = 0,25 * L - 0,393 (D_1 + D_2) \\ B = 0,125 * (D_1 - D_2)^2$$

Find power rating (P_1): Look up in the catalogue pages the power rating of the belt with the chosen cross-section. Power rating appears as the maximum power (in kW) recommended at variable sheave diameters (D), shaft speed (rpm) and speed ratios (R).

Power rating is given in the catalogue tables for a particular arc of contact (180°) and for a particular belt length. The value P_1 has therefore to be adapted to actual design geometry:

$$P \text{ (kW)} = P_1 * f_{\text{arc}} * f_{\text{length}}$$

The correction factors f_{arc} and f_{length} are given in tables 2 and 3.

Number of belts calculation (n): The quotient between design power and power rating of the chosen belt gives the number of belts you need for power transmission:

$$n \geq P_{\text{design}} / P$$

Centre-distance allowance calculation: The allowance for installation and take-up is given by

$$x \geq 0,025 * L \\ y \geq 0,015 * L$$

in which x is the (positive) allowance for tensioning and take-up of the belt and y is the (negative) allowance for damage-free installation of the belt.

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Drive Design (cont)

Table 2: Arc of contact correction factors (f_{arc})

(D1 - D2) / C	arc contact	f_{arc}
0,0	180	1,00
0,1	174	0,99
0,2	169	0,97
0,3	163	0,96
0,4	157	0,94
0,5	151	0,93
0,6	145	0,91
0,7	139	0,89
0,8	133	0,87
0,9	127	0,85
1,0	120	0,82
1,1	113	0,80
1,2	106	0,77
1,3	99	0,73
1,4	91	0,70

Table 3: Belt length correction factors (f_{length})

L	3V	5V	8V
630	0.83		
710	0.85		
800	0.87		
900	0.89		
1015	0.92		
1145	0.94		
1270	0.96	0.85	
1420	0.98	0.87	
1525	0.99	0.88	
1600	1.00	0.89	
1700	1.01	0.90	
1800	1.02	0.91	
1900	1.03	0.92	
2030	1.04	0.93	
2160	1.06	0.94	
2410	1.08	0.96	
2690	1.10	0.97	0.88
3000	1.12	0.99	0.89
3350	1.14	1.01	0.91
3810		1.03	0.93
4320		1.05	0.94
4830		1.07	0.96
5380		1.09	0.98
6000		1.10	0.99
6730		1.12	1.01
7620		1.14	1.03
8500		1.16	1.04
9500			1.06
10800			1.08
12060			1.09

Installation and Maintenance

Sheave alignment: Check the alignment of the sheaves. Sheave alignment should be kept at less than 0,5°. Incorrect alignment will result in shorter service life.

Pulley maintenance: Verify that the bearings of the pulleys are properly maintained. Verify that the grooves are not worn out, greased or rusted. When using multiple belt transmission verify that the grooves have equal dimensions. Do not use sets of mixed old and new belts.

Installation: Use the installation allowance to place the belts in the grooves without forcing. Do not use a lever to force the belt into the groove. Locate the belt first on the smaller pulley. Do not use any greases, waxes or belt dressing. Oil resistance of the belt is limited and additives can harm seriously the belt.

Belt tensioning: The belt should be enough tensioned in order not to slip at maximum load. Excessive tension will reduce belt life. Run the drive briefly to seat the belt properly. As a rule of thumb the deflection of the belt should be 1,5% of the unsupported belt span, when a deflection force F (from table 3) with a spring scale is applied mid-way between pulleys. Correct belt tensioning through the take-up allowance. Repeat the process until the proper deflection is measured. Verify and readjust, if necessary, belt tensioning after 20 working hours and than periodically every 200 working hours.

Table 4: Belt deflection force (F) for belt tensioning

	3V	5V	8V
F (N)	25	75	200

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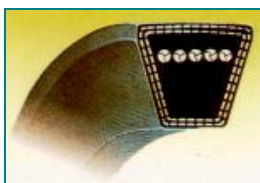
Balflex® – The European Technology

Balflex® Power Transmission V-Belts



Balflex® Extreme V-Belt type 3V – 60.3V

narrow 9 x 8 mm wrapped type V-belts for increased industrial power transmission



According to **MPTA-RMA-RAC IP-22** standard cross-section 3V
(see catalogue page of type SPZ belts for interchangeability with belts according **DIN 7753-1** standard cross-section SPZ)

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
- Tension member:** high strength low elongation PE cords
- Body:** compression fatigue and heat resistant synthetic rubber
- Cross-section:** 9,0 x 8 mm (0,38" x 0,31")
- Use:** industrial power transmission

Part Number	L	Le
	mm	mm
60.3V 250	250	635
60.3V 265	265	675
60.3V 280	280	710
60.3V 300	300	760
60.3V 315	315	800
60.3V 335	335	850
60.3V 355	355	900
60.3V 375	375	955
60.3V 400	400	1015
60.3V 425	425	1080
60.3V 450	450	1145
60.3V 475	475	1205
60.3V 500	500	1270
60.3V 530	530	1345
60.3V 560	560	1420
60.3V 600	600	1525
60.3V 630	630	1600
60.3V 670	670	1700
60.3V 710	710	1805
60.3V 750	750	1950
60.3V 800	800	2030
60.3V 850	850	2160
60.3V 900	900	2285
60.3V 950	950	2415
60.3V 1000	1000	2540
60.3V 1060	1060	2690
60.3V 1120	1120	2845
60.3V 1180	1180	2995
60.3V 1250	1250	3175
60.3V 1320	1320	3355
60.3V 1400	1400	3555

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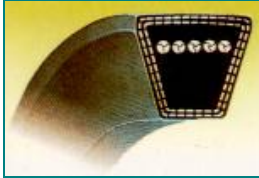
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Balflex® Power Transmission V-Belts

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narrow 9 x 8 mm wrapped type V-belts for increased industrial power transmission



Power rating (kW)

D (mm)	R	speed of fast shaft (rpm)															
		200	400	700	800	950	1200	1450	1600	2000	2400	2800	3200	3600	4000	4500	5000
63	1	0,18	0,32	0,51	0,57	0,65	0,78	0,90	0,97	1,14	1,30	1,44	1,56	1,68	1,77	1,88	1,95
	1,05	0,18	0,33	0,52	0,58	0,66	0,79	0,92	0,99	1,17	1,33	1,47	1,61	1,72	1,83	1,94	2,02
	1,2	0,20	0,36	0,57	0,64	0,73	0,88	1,03	1,11	1,31	1,51	1,68	1,84	1,99	2,12	2,27	2,39
	1,5	0,21	0,37	0,60	0,67	0,77	0,93	1,08	1,17	1,39	1,59	1,78	1,96	2,12	2,27	2,43	2,57
	3	0,21	0,38	0,62	0,69	0,79	0,96	1,12	1,21	1,44	1,66	1,86	2,05	2,22	2,38	2,56	2,71
71	1	0,23	0,42	0,67	0,75	0,86	1,04	1,21	1,31	1,56	1,79	2,00	2,19	2,37	2,53	2,70	2,84
	1,05	0,23	0,42	0,68	0,76	0,88	1,06	1,23	1,33	1,59	1,82	2,04	2,24	2,42	2,58	2,76	2,90
	1,2	0,25	0,45	0,73	0,82	0,95	1,15	1,34	1,45	1,74	2,00	2,25	2,47	2,68	2,88	3,09	3,27
	1,5	0,26	0,47	0,76	0,85	0,98	1,19	1,39	1,51	1,81	2,09	2,35	2,59	2,82	3,02	3,25	3,45
	3	0,26	0,48	0,78	0,87	1,01	1,23	1,43	1,56	1,86	2,16	2,43	2,68	2,92	3,13	3,38	3,59
80	1	0,29	0,54	0,87	0,97	1,12	1,36	1,60	1,73	2,07	2,38	2,68	2,95	3,20	3,42	3,66	3,86
	1,05	0,30	0,54	0,88	0,98	1,14	1,38	1,62	1,75	2,10	2,42	2,72	2,99	3,24	3,47	3,72	3,93
	1,2	0,31	0,57	0,93	1,04	1,21	1,47	1,72	1,87	2,24	2,59	2,92	3,23	3,51	3,77	4,06	4,30
	1,5	0,32	0,59	0,95	1,07	1,24	1,51	1,78	1,93	2,32	2,68	3,02	3,34	3,64	3,91	4,22	4,48
	3	0,32	0,60	0,97	1,09	1,27	1,55	1,82	1,97	2,37	2,75	3,10	3,43	3,74	4,03	4,35	4,62
90	1	0,36	0,66	1,08	1,21	1,41	1,72	2,01	2,19	2,62	3,03	3,41	3,76	4,08	4,37	4,69	4,94
	1,05	0,36	0,67	1,09	1,23	1,42	1,73	2,03	2,21	2,65	3,07	3,45	3,81	4,13	4,43	4,75	5,01
	1,2	0,38	0,70	1,14	1,28	1,49	1,82	2,14	2,33	2,80	3,24	3,66	4,04	4,40	4,72	5,08	5,38
	1,5	0,38	0,71	1,17	1,31	1,53	1,87	2,19	2,38	2,87	3,33	3,76	4,16	4,53	4,87	5,24	5,56
	3	0,39	0,72	1,19	1,34	1,55	1,90	2,23	2,43	2,93	3,40	3,84	4,25	4,63	4,98	5,37	5,70
100	1	0,42	0,78	1,27	1,43	1,66	2,03	2,39	2,59	3,12	3,61	4,06	4,48	4,86	5,20	5,56	5,85
	1,05	0,42	0,78	1,28	1,44	1,68	2,05	2,41	2,61	3,14	3,64	4,10	4,52	4,91	5,25	5,62	5,92
	1,2	0,44	0,81	1,34	1,50	1,75	2,14	2,51	2,73	3,29	3,82	4,31	4,76	5,17	5,55	5,95	6,29
	1,5	0,45	0,83	1,36	1,53	1,78	2,18	2,57	2,79	3,36	3,90	4,41	4,87	5,30	5,69	6,12	6,47
	3	0,45	0,84	1,38	1,55	1,81	2,21	2,61	2,84	3,42	3,97	4,49	4,96	5,40	5,80	6,24	6,61
112	1	0,49	0,92	1,50	1,69	1,97	2,41	2,83	3,07	3,70	4,28	4,82	5,31	5,75	6,14	6,54	6,85
	1,05	0,49	0,92	1,51	1,70	1,98	2,42	2,85	3,10	3,73	4,31	4,85	5,35	5,80	6,19	6,60	6,92
	1,2	0,51	0,95	1,56	1,76	2,05	2,51	2,96	3,21	3,87	4,49	5,06	5,59	6,06	6,49	6,94	7,29
	1,5	0,52	0,97	1,59	1,79	2,08	2,55	3,01	3,27	3,95	4,58	5,16	5,70	6,20	6,63	7,10	7,47
	3	0,52	0,98	1,61	1,81	2,11	2,59	3,05	3,32	4,00	4,64	5,24	5,79	6,30	6,75	7,23	7,61
125	1	0,57	1,06	1,75	1,97	2,29	2,80	3,30	3,58	4,31	4,98	5,60	6,16	6,66	7,08	7,51	7,82
	1,05	0,57	1,07	1,76	1,98	2,30	2,82	3,31	3,60	4,34	5,02	5,64	6,20	6,71	7,14	7,57	7,89
	1,2	0,59	1,10	1,81	2,04	2,37	2,91	3,42	3,72	4,48	5,19	5,85	6,44	6,97	7,43	7,91	8,25
	1,5	0,59	1,11	1,83	2,06	2,40	2,95	3,47	3,78	4,56	5,28	5,95	6,56	7,10	7,58	8,07	8,44
	3	0,60	1,12	1,85	2,09	2,43	2,98	3,52	3,82	4,61	5,35	6,03	6,65	7,20	7,69	8,20	8,58
140	1	0,66	1,23	2,02	2,28	2,65	3,25	3,82	4,15	5,00	5,77	6,47	7,10	7,64	8,09	8,51	8,77
	1,05	0,66	1,23	2,03	2,29	2,66	3,27	3,84	4,18	5,02	5,80	6,51	7,14	7,69	8,14	8,57	8,84
	1,2	0,67	1,26	2,08	2,35	2,73	3,35	3,95	4,29	5,17	5,98	6,72	7,37	7,95	8,44	8,91	9,21
	1,5	0,68	1,28	2,11	2,38	2,77	3,40	4,00	4,35	5,24	6,07	6,82	7,49	8,08	8,58	9,07	9,39
	3	0,69	1,29	2,13	2,40	2,79	3,43	4,04	4,40	5,30	6,13	6,90	7,58	8,18	8,70	9,20	9,53
160	1	0,77	1,45	2,39	2,69	3,13	3,84	4,52	4,91	5,89	6,78	7,58	8,27	8,84	9,28		
	1,05	0,77	1,45	2,40	2,70	3,15	3,86	4,54	4,93	5,92	6,81	7,61	8,31	8,89	9,34		
	1,2	0,79	1,48	2,45	2,76	3,22	3,95	4,64	5,05	6,06	6,99	7,82	8,54	9,15	9,63		
	1,5	0,80	1,50	2,48	2,79	3,25	3,99	4,70	5,11	6,14	7,08	7,92	8,66	9,28	9,78		
	3	0,80	1,51	2,50	2,81	3,28	4,02	4,74	5,15	6,19	7,15	8,00	8,75	9,38	9,89		

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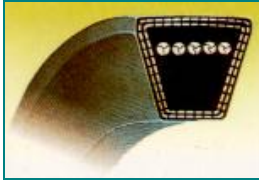
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Balflex® Power Transmission V-Belts



Balflex® Extreme V-Belt type 5V – 60.5V

narrow 15 x 13 mm wrapped type V-belts for increased industrial power transmission



According to **MPTA-RMA-RAC IP-22** standard cross-section 5V
(see catalogue page of type SPB belts for interchangeability with belts according **DIN 7753-1** standard cross-section SPB)

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
- Tension member:** high strength low elongation PE cords
- Body:** compression fatigue and heat resistant synthetic rubber
- Cross-section:** 16,0 x 13,5 mm (0.63" x 0.53")
- Use:** industrial power transmission

Part Number	L	Le
	mm	mm
60.5V 500	500	1270
60.5V 530	530	1345
60.5V 560	560	1420
60.5V 600	600	1525
60.5V 630	630	1600
60.5V 670	670	1700
60.5V 710	710	1805
60.5V 750	750	1950
60.5V 800	800	2030
60.5V 850	850	2160
60.5V 900	900	2285
60.5V 950	950	2415
60.5V 1000	1000	2540
60.5V 1060	1060	2690
60.5V 1120	1120	2845
60.5V 1180	1180	2995
60.5V 1250	1250	3175
60.5V 1320	1320	3355
60.5V 1400	1400	3555
60.5V 1500	1500	3810
60.5V 1600	1600	4065
60.5V 1700	1700	4320
60.5V 1800	1800	4570
60.5V 1900	1900	4825
60.5V 2000	2000	5080
60.5V 2120	2120	5385
60.5V 2240	2240	5690
60.5V 2360	2360	5995
60.5V 2500	2500	6350
60.5V 2650	2650	6730
60.5V 2800	2800	7110
60.5V 3000	3000	7620
60.5V 3150	3150	8000
60.5V 3350	3350	8515
60.5V 3550	3550	9015

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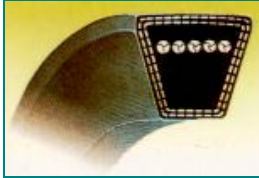
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Balflex® Power Transmission V-Belts

Balflex® Extreme V-Belt type 5V – 60.5V

(narrow 15 x 13 mm wrapped type V-belts for increased industrial power transmission)



Power rating (kW)

D	R	speed of fast shaft (rpm)													
		200	400	700	800	950	1200	1450	1600	1800	2000	2200	2400	2800	3200
160	1	1,56	2,85	4,59	5,13	5,91	7,13	8,25	8,88	9,65	10,36	10,99	11,55	12,32	12,79
	1,05	1,57	2,88	4,64	5,19	5,98	7,22	8,36	8,99	9,78	10,50	11,15	11,72	12,52	13,01
	1,2	1,65	3,04	4,92	5,50	6,35	7,69	8,92	9,62	10,48	11,28	12,01	12,66	13,60	14,21
	1,5	1,69	3,11	5,05	5,66	6,54	7,92	9,21	9,93	10,84	11,67	12,44	13,13	14,13	14,80
	3	1,73	3,19	5,19	5,82	6,73	8,16	9,49	10,24	11,19	12,07	12,87	13,60	14,67	15,40
180	1	1,92	3,53	5,73	6,41	7,40	8,95	10,37	11,16	12,14	13,02	13,81	14,50	15,43	15,96
	1,05	1,93	3,56	5,78	6,47	7,47	9,03	10,47	11,27	12,27	13,17	13,97	14,67	15,63	16,18
	1,2	2,01	3,72	6,05	6,78	7,84	9,50	11,04	11,90	12,97	13,95	14,83	15,62	16,71	17,37
	1,5	2,05	3,80	6,19	6,94	8,03	9,74	11,32	12,21	13,32	14,34	15,26	16,08	17,24	17,97
	3	2,09	3,87	6,32	7,10	8,21	9,97	11,61	12,53	13,68	14,73	15,70	16,56	17,78	18,56
200	1	2,27	4,21	6,85	7,67	8,87	10,73	12,43	13,37	14,53	15,57	16,49	17,26	18,27	18,76
	1,05	2,29	4,24	6,90	7,73	8,93	10,81	12,54	13,49	14,66	15,72	16,64	17,44	18,46	18,98
	1,2	2,37	4,39	7,17	8,05	9,31	11,29	13,11	14,12	15,37	16,50	17,51	18,38	19,54	20,17
	1,5	2,40	4,47	7,31	8,20	9,49	11,52	13,39	14,43	15,72	16,89	17,94	18,85	20,08	20,76
	3	2,44	4,55	7,45	8,36	9,68	11,75	13,67	14,74	16,07	17,28	18,37	19,32	20,62	21,36
224	1	2,70	5,01	8,18	9,17	10,59	12,82	14,83	15,94	17,28	18,46	19,48	20,31	21,27	
	1,05	2,71	5,04	8,23	9,23	10,66	12,90	14,94	16,05	17,41	18,61	19,64	20,48	21,47	
	1,2	2,79	5,20	8,50	9,54	11,04	13,37	15,51	16,68	18,12	19,39	20,50	21,42	22,55	
	1,5	2,83	5,27	8,64	9,69	11,22	13,61	15,79	16,99	18,47	19,78	20,93	21,89	23,08	
	3	2,87	5,35	8,78	9,85	11,41	13,84	16,07	17,31	18,82	20,18	21,36	22,36	23,62	
250	1	3,15	5,87	9,60	10,76	12,43	15,02	17,34	18,59	20,09	21,38	22,43	23,24		
	1,05	3,17	5,90	9,65	10,82	12,50	15,10	17,44	18,71	20,22	21,52	22,59	23,41		
	1,2	3,24	6,06	9,92	11,13	12,87	15,57	18,01	19,34	20,93	22,30	23,45	24,35		
	1,5	3,28	6,14	10,06	11,29	13,06	15,81	18,29	19,65	21,28	22,69	23,88	24,82		
	3	3,32	6,21	10,20	11,44	13,24	16,04	18,58	19,96	21,63	23,09	24,31	25,29		
280	1	3,67	6,86	11,21	12,56	14,50	17,48	20,10	21,48	23,10	24,42	25,43			
	1,05	3,69	6,88	11,26	12,62	14,57	17,56	20,20	21,60	23,23	24,57	25,59			
	1,2	3,77	7,04	11,54	12,94	14,94	18,03	20,77	22,23	23,93	25,35	26,45			
	1,5	3,80	7,12	11,67	13,09	15,13	18,27	21,05	22,54	24,28	25,74	26,88			
	3	3,84	7,20	11,81	13,25	15,32	18,50	21,34	22,85	24,64	26,13	27,31			
315	1	4,27	7,99	13,06	14,62	16,85	20,23	23,12	24,61	26,27	27,52				
	1,05	4,29	8,02	13,11	14,68	16,92	20,31	23,23	24,72	26,40	27,66				
	1,2	4,37	8,18	13,38	15,00	17,29	20,78	23,80	25,35	27,10	28,45				
	1,5	4,41	8,25	13,52	15,15	17,48	21,02	24,08	25,66	27,45	28,84				
	3	4,45	8,33	13,66	15,31	17,67	21,25	24,36	25,98	27,81	29,23				
355	1	4,96	9,27	15,12	16,92	19,45	23,20	26,31	27,82	29,39					
	1,05	4,97	9,30	15,17	16,97	19,51	23,29	26,41	27,94	29,52					
	1,2	5,05	9,46	15,45	17,29	19,89	23,76	26,98	28,57	30,23					
	1,5	5,09	9,54	15,59	17,44	20,07	23,99	27,26	28,88	30,58					
	3	5,13	9,61	15,72	17,60	20,26	24,23	27,55	29,19	30,93					
400	1	5,72	10,69	17,39	19,41	22,24	26,32	29,51	30,94						
	1,05	5,73	10,72	17,44	19,47	22,31	26,41	29,62	31,05						
	1,2	5,81	10,88	17,71	19,79	22,68	26,88	30,19	31,68						
	1,5	5,85	10,96	17,85	19,94	22,87	27,11	30,47	31,99						
	3	5,89	11,04	17,99	20,10	23,05	27,35	30,75	32,31						

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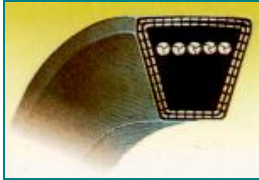
Balflex® – The European Technology

Balflex® Power Transmission V-Belts



Balflex® Extreme V-Belt type 8V – 60.8V

narrow 25 x 23 mm wrapped type V-belts for increased industrial power transmission



According to **MPTA-RMA-RAC IP-22** standard cross-section 8V

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
- Tension member:** high strength low elongation PE cords
- Body:** compression fatigue and heat resistant synthetic rubber
- Cross-section:** 25 x 23 mm (1.0" x 0.87")
- Use:** industrial power transmission

Part Number	L	Le
	mm	mm
60.8V 1000	1000	2540
60.8V 1060	1060	2690
60.8V 1120	1120	2845
60.8V 1180	1180	2995
60.8V 1250	1250	3175
60.8V 1320	1320	3355
60.8V 1400	1400	3555
60.8V 1500	1500	3810
60.8V 1600	1600	4065
60.8V 1700	1700	4320
60.8V 1800	1800	4570
60.8V 1900	1900	4825
60.8V 2000	2000	5080
60.8V 2120	2120	5385
60.8V 2240	2240	5690
60.8V 2360	2360	5995
60.8V 2500	2500	6350
60.8V 2650	2650	6730
60.8V 2800	2800	7110
60.8V 3000	3000	7620
60.8V 3150	3150	8000
60.8V 3350	3350	8515
60.8V 3550	3550	9015
60.8V 3750	3750	9550
60.8V 4000	4000	10160
60.8V 4250	4250	10800
60.8V 4500	4500	11430
60.8V 4750	4750	12050
60.8V 5000	5000	12700

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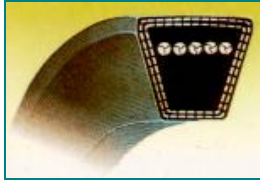
Balflex® – The European Technology



Balflex® Power Transmission V-Belts

Balflex® Extreme V-Belt type 8V – 60.8V

narrow 25 x 23 mm wrapped type V-belts for increased industrial power transmission



Power rating (kW)

D	R	speed of fast shaft (rpm)									
		200	300	400	500	600	700	800	950	1200	1450
315	1	7,80	11,10	14,19	17,12	19,88	22,48	24,92	28,27	32,95	35,54
	1,05	7,87	11,20	14,33	17,29	20,09	22,73	25,20	28,60	33,37	36,03
	1,2	8,25	11,77	15,10	18,25	21,24	24,06	26,73	30,42	35,66	38,67
	1,5	8,44	12,06	15,48	18,72	21,80	24,73	27,49	31,32	36,80	39,97
	3	8,63	12,35	15,86	19,20	22,38	25,40	28,26	32,23	37,95	41,30
355	1	9,59	13,70	17,57	21,22	24,68	27,93	30,97	35,11	40,79	43,83
	1,05	9,66	13,80	17,71	21,40	24,89	28,17	31,25	35,44	41,21	44,32
	1,2	10,04	14,38	18,47	22,35	26,04	29,51	32,78	37,26	43,51	46,95
	1,5	10,23	14,66	18,85	22,83	26,60	30,18	33,54	38,16	44,64	48,26
	3	10,43	14,95	19,23	23,31	27,18	30,85	34,30	39,07	45,79	49,59
400	1	11,59	16,59	21,31	25,77	29,97	33,90	37,55	42,48	49,02	52,28
	1,05	11,66	16,70	21,45	25,94	30,18	34,14	37,83	42,81	49,44	52,76
	1,2	12,04	17,27	22,22	26,90	31,32	35,48	39,36	44,62	51,73	55,40
	1,5	12,23	17,56	22,60	27,37	31,89	36,15	40,12	45,53	52,87	56,70
	3	12,42	17,84	22,98	27,85	32,47	36,82	40,89	46,44	54,02	58,03
450	1	13,79	19,77	25,41	30,72	35,70	40,33	44,59	50,23	57,34	60,45
	1,05	13,86	19,88	25,55	30,90	35,91	40,58	44,87	50,56	57,76	60,93
	1,2	14,24	20,45	26,32	31,85	37,06	41,91	46,40	52,37	60,05	63,57
	1,5	14,43	20,74	26,69	32,33	37,63	42,58	47,16	53,27	61,19	64,88
	3	14,62	21,02	27,08	32,81	38,20	43,25	47,93	54,19	62,34	66,20
500	1	15,97	22,92	29,45	35,57	41,28	46,54	51,31	57,48	64,72	
	1,05	16,04	23,02	29,59	35,75	41,49	46,78	51,59	57,81	65,14	
	1,2	16,42	23,59	30,35	36,70	42,64	48,12	53,12	59,63	67,43	
	1,5	16,61	23,88	30,73	37,18	43,21	48,79	53,88	60,53	68,57	
	3	16,80	24,17	31,11	37,66	43,78	49,46	54,65	61,44	69,72	
560	1	18,56	26,64	34,20	41,26	47,76	53,67	58,94	65,48		
	1,05	18,63	26,74	34,34	41,43	47,97	53,92	59,22	65,81		
	1,2	19,01	27,32	35,11	42,39	49,12	55,26	60,74	67,62		
	1,5	19,20	27,60	35,49	42,86	49,69	55,92	61,50	68,53		
	3	19,39	27,89	35,87	43,34	50,26	56,59	62,27	69,44		
630	1	21,55	30,91	39,63	47,69	55,01	61,53	67,17	73,74		
	1,05	21,62	31,02	39,77	47,86	55,22	61,78	67,45	74,08		
	1,2	22,00	31,59	40,54	48,82	56,37	63,12	68,97	75,89		
	1,5	22,19	31,88	40,92	49,29	56,94	63,78	69,73	76,79		
	3	22,38	32,16	41,30	49,77	57,51	64,45	70,50	77,70		
800	1	28,67	41,00	52,27	62,35	71,09	78,30	83,79			
	1,05	28,74	41,11	52,41	62,52	71,30	78,54	84,07			
	1,2	29,12	41,68	53,17	63,48	72,44	79,88	85,60			
	1,5	29,31	41,96	53,55	63,95	73,01	80,54	86,36			
	3	29,50	42,25	53,93	64,43	73,59	81,22	87,13			

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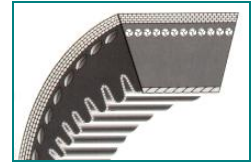
Balflex® – The European Technology

Balflex® Power Transmission V-Belts



Balflex® Platinum V-Belts

Balflex® Platinum is the cogged trapezoidal V-belt range of **Balflex®**, according to **DIN 2215** and **MPTA-RMA-RAC IP-20** standards. **Platinum** V-belts add up to the versatile, low-maintenance means of classic V-belt power transmission, higher power transmission capacity. Balflex has optimized the construction of these Platinum transmission belts in order to assure top rated performance. Among their features are:



Low elongation: Specially treated high strength polyester cords allow lower elongation and higher resistance to bending fatigue, and thus more efficient power transmission, less readjustment needs and higher service life

High efficiency: The high strength and extremely good flexibility of the belt ensure the highest efficiency

Heat and oil resistance: Special synthetic rubber compound of the body and cover impregnation allows better resistance to heat and oil, and thus higher service life ^{a)}. Cogged V-belts have higher efficiency in heat dissipation.

Electric conductivity: Special synthetic rubber compound of the body and cover impregnation allows better electrical conductivity in order to achieve anti-static characteristics ^{a)}

Dimensional Stability: Dimensional checks assure high uniformity of belt weight and pitch line along all length

All Balflex V-Belts are branded:

OIL & HEAT
RESISTANT
ANTI-STATIC

Balflex® Platinum V-belts are supplied in the following profiles:

Belt Profile	Cross-Section (W x H)	
	inch	mm
AX	1/2 x 5/16	13 x 9
BX	2/3 x 2/5	17 x 11
CX	7/8 x 17/32	22 x 14

Balflex® Platinum V-belts are identified by the profile type and by the pitch length. Every profile is manufactured in standard lengths, shown in the catalogue pages. **Balflex®** V-belts can also be supplied in customized lengths.

For drive design refer to **Balflex® Classic** V-belts drive design procedures with power rating data of **Balflex® Platinum** .

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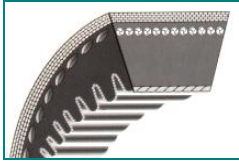
Balflex® – The European Technology



Balflex® Power Transmission V-Belts

Balflex® Platinum V-Belt type AX – 60.AX

cogged trapezoidal 13 x 9 mm type V-belts for industrial power transmission



According to **DIN 2215** standard cross-section AX According to **MPTA-RMA-RAC IP-20** standard cross-section AX

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
- Tension member:** high strength low elongation PE cords
- Body:** compression fatigue and heat resistant synthetic rubber
- Cross-section:** 13 x 9 mm (0,5" x 0,31")
- Use:** industrial power transmission

Part Number	Le		Part Number	Le		Part Number	Le	
	inch	mm		inch	mm		inch	mm
60.AX 022	22	616	60.AX 057	57	1505	60.AX 091	91	2369
60.AX 023	23	642	60.AX 058	58	1531	60.AX 092	92	2394
60.AX 024	24	667	60.AX 059	59	1556	60.AX 093	93	2420
60.AX 026	26	718	60.AX 060	60	1582	60.AX 094	94	2445
60.AX 027	27	743	60.AX 061	61	1607	60.AX 095	95	2471
60.AX 028	28	769	60.AX 062	62	1632	60.AX 096	96	2496
60.AX 029	29	794	60.AX 063	63	1658	60.AX 097	97	2521
60.AX 030	30	820	60.AX 064	64	1683	60.AX 098	98	2547
60.AX 031	31	845	60.AX 065	65	1709	60.AX 100	100	2598
60.AX 032	32	870	60.AX 066	66	1734	60.AX 103	103	2725
60.AX 033	33	896	60.AX 067	67	1759	60.AX 110	110	2852
60.AX 034	34	921	60.AX 068	68	1785	60.AX 112	112	2902
60.AX 035	35	947	60.AX 069	69	1810			
60.AX 036	36	972	60.AX 070	70	1836			
60.AX 037	37	997	60.AX 071	71	1861			
60.AX 038	38	1023	60.AX 072	72	1886			
60.AX 039	39	1048	60.AX 073	73	1912			
60.AX 040	40	1074	60.AX 074	74	1937			
60.AX 041	41	1099	60.AX 075	75	1963			
60.AX 042	42	1124	60.AX 076	76	1988			
60.AX 043	43	1150	60.AX 077	77	2013			
60.AX 044	44	1175	60.AX 078	78	2039			
60.AX 045	45	1201	60.AX 079	79	2064			
60.AX 046	46	1226	60.AX 080	80	2090			
60.AX 047	47	1251	60.AX 081	81	2115			
60.AX 048	48	1277	60.AX 082	82	2140			
60.AX 049	49	1302	60.AX 083	83	2166			
60.AX 050	50	1328	60.AX 084	84	2191			
60.AX 051	51	1353	60.AX 085	85	2217			
60.AX 052	52	1378	60.AX 086	86	2242			
60.AX 053	53	1404	60.AX 087	87	2267			
60.AX 054	54	1429	60.AX 088	88	2293			
60.AX 055	55	1455	60.AX 089	89	2318			
60.AX 056	56	1480	60.AX 090	90	2344			

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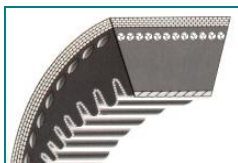
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Balflex® Power Transmission V-Belts



Balflex® Platinum V-Belt type AX – 60.AX

cogged trapezoidal 13 x 9 mm type V-belts for industrial power transmission



Power rating (kW)

D	R	rpm fastest shaft																	
		200	400	700	800	950	1200	1450	1600	2000	2400	2800	3200	3600	4000	4500	5000	5500	6000
75	1	0,37	0,63	0,95	1,05	1,18	1,38	1,56	1,66	1,88	2,07	2,23	2,35	2,42	2,46	2,50	2,51	2,51	2,51
	1,05	0,38	0,65	0,98	1,08	1,21	1,42	1,61	1,71	1,95	2,15	2,32	2,45	2,53	2,59	2,63	2,65	2,66	2,66
	1,2	0,39	0,67	1,01	1,11	1,26	1,48	1,68	1,79	2,05	2,27	2,46	2,61	2,71	2,78	2,84	2,87	2,88	2,89
	1,5	0,40	0,69	1,05	1,15	1,31	1,54	1,75	1,87	2,15	2,39	2,59	2,77	2,88	2,96	3,04	3,08	3,11	3,12
	3	0,40	0,69	1,06	1,17	1,32	1,56	1,77	1,89	2,18	2,43	2,64	2,82	2,94	3,03	3,11	3,15	3,18	3,19
90	1	0,49	0,84	1,29	1,43	1,62	1,91	2,17	2,32	2,67	2,96	3,21	3,42	3,55	3,64	3,71	3,75	3,76	3,77
	1,05	0,49	0,86	1,32	1,45	1,65	1,95	2,22	2,37	2,73	3,04	3,31	3,52	3,67	3,76	3,85	3,89	3,91	3,92
	1,2	0,50	0,88	1,35	1,49	1,69	2,01	2,29	2,45	2,83	3,16	3,44	3,68	3,84	3,95	4,05	4,11	4,14	4,15
	1,5	0,51	0,90	1,39	1,53	1,74	2,06	2,36	2,53	2,93	3,28	3,58	3,84	4,01	4,14	4,25	4,32	4,36	4,37
	3	0,52	0,90	1,40	1,55	1,76	2,08	2,38	2,55	2,96	3,32	3,63	3,89	4,07	4,20	4,32	4,39	4,43	4,45
100	1	0,56	0,98	1,51	1,67	1,90	2,25	2,56	2,74	3,17	3,53	3,84	4,09	4,25	4,36	4,45	4,49	4,50	4,51
	1,05	0,57	0,99	1,54	1,70	1,93	2,29	2,61	2,79	3,23	3,61	3,93	4,19	4,37	4,48	4,58	4,63	4,65	4,66
	1,2	0,58	1,01	1,57	1,74	1,98	2,35	2,68	2,87	3,33	3,73	4,07	4,35	4,54	4,67	4,78	4,85	4,88	4,89
	1,5	0,59	1,03	1,61	1,78	2,02	2,41	2,75	2,95	3,43	3,85	4,21	4,51	4,71	4,86	4,99	5,06	5,10	5,11
	3	0,59	1,04	1,62	1,79	2,04	2,42	2,78	2,98	3,46	3,88	4,25	4,56	4,77	4,92	5,05	5,13	5,17	5,19
112	1	0,65	1,14	1,77	1,96	2,23	2,65	3,03	3,24	3,75	4,18	4,55	4,84	5,03	5,15	5,24	5,28	5,29	5,29
	1,05	0,66	1,16	1,80	1,99	2,26	2,69	3,07	3,29	3,81	4,26	4,64	4,95	5,15	5,28	5,38	5,42	5,44	5,44
	1,2	0,67	1,18	1,83	2,03	2,31	2,75	3,15	3,37	3,91	4,38	4,78	5,11	5,32	5,46	5,58	5,64	5,66	5,67
	1,5	0,68	1,20	1,86	2,07	2,36	2,80	3,22	3,45	4,01	4,50	4,92	5,26	5,49	5,65	5,78	5,85	5,88	5,89
	3	0,68	1,20	1,88	2,08	2,37	2,82	3,24	3,47	4,04	4,54	4,96	5,32	5,55	5,71	5,85	5,92	5,96	5,97
125	1	0,75	1,32	2,05	2,27	2,58	3,07	3,51	3,76	4,35	4,86	5,28	5,60	5,80	5,92	6,00	6,01	6,00	5,99
	1,05	0,76	1,33	2,07	2,29	2,61	3,11	3,56	3,81	4,42	4,94	5,37	5,71	5,92	6,05	6,13	6,16	6,15	6,14
	1,2	0,77	1,35	2,10	2,33	2,66	3,17	3,63	3,89	4,52	5,06	5,51	5,86	6,09	6,23	6,33	6,37	6,37	6,37
	1,5	0,78	1,37	2,14	2,37	2,71	3,23	3,70	3,97	4,62	5,17	5,64	6,02	6,27	6,42	6,54	6,59	6,60	6,59
	3	0,78	1,38	2,15	2,39	2,72	3,25	3,73	4,00	4,65	5,21	5,69	6,07	6,32	6,48	6,60	6,66	6,67	6,67
140	1	0,86	1,51	2,36	2,61	2,98	3,54	4,06	4,34	5,02	5,59	6,05	6,40	6,59	6,69	6,72	6,69	6,64	6,60
	1,05	0,86	1,53	2,38	2,64	3,01	3,58	4,10	4,39	5,09	5,67	6,15	6,50	6,71	6,81	6,86	6,83	6,79	6,75
	1,2	0,87	1,55	2,42	2,68	3,06	3,64	4,17	4,47	5,19	5,79	6,28	6,66	6,88	7,00	7,06	7,05	7,01	6,98
	1,5	0,88	1,57	2,45	2,72	3,10	3,70	4,25	4,55	5,29	5,91	6,42	6,82	7,05	7,19	7,26	7,26	7,23	7,21
	3	0,89	1,57	2,46	2,73	3,12	3,72	4,27	4,58	5,32	5,95	6,47	6,87	7,11	7,25	7,33	7,33	7,31	7,28
160	1	1,00	1,77	2,76	3,06	3,49	4,15	4,75	5,08	5,87	6,50	6,99	7,32	7,47	7,50	7,43			
	1,05	1,01	1,78	2,79	3,09	3,52	4,19	4,80	5,14	5,93	6,58	7,08	7,43	7,58	7,62	7,56			
	1,2	1,02	1,80	2,82	3,13	3,57	4,25	4,87	5,21	6,03	6,70	7,22	7,58	7,76	7,81	7,76			
	1,5	1,03	1,82	2,85	3,17	3,62	4,31	4,94	5,29	6,13	6,82	7,36	7,74	7,93	8,00	7,97			
	3	1,03	1,83	2,87	3,18	3,63	4,33	4,97	5,32	6,16	6,86	7,40	7,79	7,99	8,06	8,03			
180	1	1,14	2,02	3,16	3,50	3,99	4,74	5,42	5,79	6,65	7,33	7,81	8,08	8,13					
	1,05	1,15	2,03	3,18	3,53	4,02	4,78	5,47	5,84	6,72	7,41	7,90	8,18	8,24					
	1,2	1,16	2,05	3,21	3,57	4,07	4,84	5,54	5,92	6,82	7,53	8,04	8,34	8,42					
	1,5	1,17	2,07	3,25	3,61	4,12	4,90	5,61	6,00	6,91	7,64	8,18	8,50	8,59					
	3	1,17	2,08	3,26	3,62	4,13	4,92	5,63	6,03	6,95	7,68	8,22	8,55	8,65					
200	1	1,28	2,27	3,54	3,93	4,47	5,31	6,05	6,46	7,38	8,07	8,50	8,65						
	1,05	1,28	2,28	3,56	3,95	4,50	5,35	6,10	6,51	7,45	8,14	8,59	8,76						
	1,2	1,29	2,30	3,60	3,99	4,55	5,41	6,17	6,59	7,54	8,26	8,73	8,92						
	1,5	1,30	2,32	3,63	4,03	4,60	5,47	6,24	6,67	7,64	8,38	8,86	9,07						
	3	1,31	2,32	3,64	4,04	4,61	5,49	6,27	6,69	7,68	8,42	8,91	9,13						

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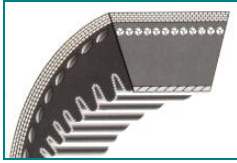
Balflex® – The European Technology



Balflex® Power Transmission V-Belts

Balflex® Platinum V-Belt type BX – 60.BX

cogged trapezoidal 17 x 11 mm type V-belts for industrial power transmission



According to **DIN 2215** standard cross-section BX According to **MPTA-RMA-RAC IP-20** standard cross-section BX

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
Tension member: high strength low elongation PE cords
Body: compression fatigue and heat resistant synthetic rubber
Cross-section: 17 x 11 mm (0,66" x 0,41")
Use: industrial power transmission

Part Number	Le		Part Number	Le		Part Number	Le	
	inch	mm		inch	mm		inch	mm
60.BX 028	28	782	60.BX 065	65	1722	60.BX 099	99	2586
60.BX 032	32	884	60.BX 066	66	1748	60.BX 100	100	2611
60.BX 033	33	910	60.BX 067	67	1773	60.BX 103	103	2687
60.BX 034	34	935	60.BX 068	68	1798	60.BX 105	105	2738
60.BX 035	35	960	60.BX 069	69	1824	60.BX 106	106	2751
60.BX 036	36	986	60.BX 070	70	1849	60.BX 108	108	2814
60.BX 037	37	1011	60.BX 071	71	1874	60.BX 112	112	2916
60.BX 038	38	1036	60.BX 072	72	1900	60.BX 113	113	2941
60.BX 039	39	1061	60.BX 073	73	1925	60.BX 115	115	2992
60.BX 040	40	1087	60.BX 074	74	1951	60.BX 116	116	3005
60.BX 041	41	1113	60.BX 075	75	1976	60.BX 120	120	3119
60.BX 042	42	1138	60.BX 076	76	2002			
60.BX 043	43	1163	60.BX 077	77	2027			
60.BX 044	44	1189	60.BX 078	78	2052			
60.BX 045	45	1214	60.BX 079	79	2078			
60.BX 046	46	1240	60.BX 080	80	2103			
60.BX 047	47	1265	60.BX 081	81	2129			
60.BX 048	48	1290	60.BX 082	82	2154			
60.BX 049	49	1316	60.BX 083	83	2179			
60.BX 050	50	1341	60.BX 084	84	2189			
60.BX 051	51	1367	60.BX 085	85	2230			
60.BX 052	52	1392	60.BX 086	86	2240			
60.BX 053	53	1417	60.BX 087	87	2266			
60.BX 054	54	1443	60.BX 088	88	2291			
60.BX 055	55	1468	60.BX 089	89	2316			
60.BX 056	56	1494	60.BX 090	90	2357			
60.BX 057	57	1519	60.BX 091	91	2367			
60.BX 058	58	1544	60.BX 092	92	2395			
60.BX 059	59	1570	60.BX 093	93	2433			
60.BX 060	60	1595	60.BX 094	94	2446			
60.BX 061	61	1621	60.BX 095	95	2484			
60.BX 062	62	1646	60.BX 096	96	2510			
60.BX 063	63	1671	60.BX 097	97	2535			
60.BX 064	64	1697	60.BX 098	98	2548			

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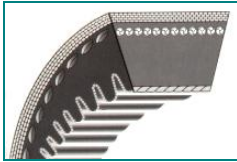
Balflex® – The European Technology

Balflex® Power Transmission V-Belts



Balflex® Platinum V-Belt type BX – 60.BX

cogged trapezoidal 17 x 11 mm type V-belts for industrial power transmission



Power rating (kW)

D	R	rpm fastest shaft																	
		100	200	400	700	800	950	1200	1450	1600	2000	2400	2800	3200	3600	4000	4500	5000	5000
112	1	0,48	0,84	1,46	2,23	2,45	2,77	3,26	3,70	3,94	4,50	4,96	5,31	5,54	5,67	5,74	5,78	5,77	5,77
	1,05	0,48	0,85	1,48	2,27	2,50	2,83	3,33	3,78	4,03	4,62	5,10	5,48	5,72	5,87	5,95	6,00	6,01	5,99
	1,2	0,49	0,87	1,52	2,33	2,57	2,91	3,44	3,91	4,17	4,79	5,31	5,72	6,00	6,17	6,28	6,35	6,37	6,33
	1,5	0,50	0,89	1,55	2,39	2,64	3,00	3,54	4,04	4,31	4,97	5,52	5,97	6,27	6,47	6,60	6,69	6,73	6,67
	3	0,50	0,90	1,56	2,41	2,66	3,02	3,58	4,08	4,36	5,02	5,59	6,05	6,36	6,57	6,70	6,81	6,85	6,78
125	1	0,55	0,98	1,71	2,63	2,90	3,29	3,88	4,41	4,70	5,39	5,95	6,39	6,66	6,82	6,89	6,92	6,91	6,92
	1,05	0,56	0,99	1,73	2,67	2,95	3,34	3,95	4,49	4,79	5,51	6,09	6,55	6,84	7,02	7,11	7,15	7,15	7,15
	1,2	0,57	1,01	1,77	2,73	3,02	3,43	4,05	4,62	4,93	5,68	6,30	6,80	7,12	7,32	7,43	7,50	7,51	7,48
	1,5	0,58	1,03	1,80	2,79	3,09	3,51	4,16	4,75	5,07	5,86	6,51	7,04	7,39	7,62	7,75	7,84	7,87	7,82
	3	0,58	1,03	1,81	2,81	3,11	3,54	4,19	4,79	5,12	5,91	6,58	7,12	7,48	7,72	7,85	7,95	7,99	7,93
140	1	0,64	1,14	1,99	3,08	3,40	3,87	4,57	5,20	5,55	6,37	7,04	7,54	7,84	8,00	8,07	8,07	8,02	8,08
	1,05	0,65	1,15	2,02	3,12	3,45	3,92	4,64	5,29	5,65	6,49	7,18	7,71	8,03	8,20	8,28	8,30	8,26	8,30
	1,2	0,66	1,17	2,05	3,18	3,52	4,00	4,75	5,42	5,79	6,67	7,39	7,95	8,30	8,50	8,60	8,64	8,62	8,64
	1,5	0,66	1,19	2,09	3,24	3,59	4,09	4,85	5,54	5,93	6,84	7,60	8,20	8,57	8,80	8,92	8,98	8,98	8,97
	3	0,67	1,19	2,10	3,26	3,61	4,11	4,89	5,59	5,97	6,90	7,67	8,28	8,67	8,90	9,03	9,10	9,10	9,08
160	1	0,75	1,35	2,37	3,67	4,06	4,62	5,46	6,23	6,64	7,62	8,38	8,94	9,24	9,36	9,36	9,27	9,13	9,31
	1,05	0,76	1,36	2,39	3,71	4,11	4,67	5,53	6,31	6,74	7,73	8,52	9,10	9,42	9,56	9,58	9,49	9,37	9,53
	1,2	0,77	1,38	2,42	3,77	4,18	4,75	5,64	6,44	6,88	7,91	8,73	9,35	9,69	9,86	9,90	9,84	9,73	9,87
	1,5	0,78	1,39	2,46	3,83	4,25	4,84	5,74	6,56	7,02	8,08	8,94	9,59	9,97	10,16	10,22	10,18	10,09	10,20
	3	0,78	1,40	2,47	3,85	4,27	4,86	5,78	6,61	7,06	8,14	9,01	9,67	10,06	10,26	10,32	10,30	10,20	10,32
180	1	0,87	1,55	2,73	4,24	4,70	5,34	6,33	7,20	7,68	8,78	9,61	10,17	10,40	10,43	10,33			
	1,05	0,87	1,56	2,75	4,28	4,74	5,40	6,40	7,29	7,78	8,90	9,75	10,33	10,59	10,63	10,54			
	1,2	0,88	1,58	2,79	4,34	4,81	5,48	6,50	7,42	7,92	9,07	9,96	10,57	10,86	10,93	10,86			
	1,5	0,89	1,60	2,82	4,41	4,88	5,56	6,61	7,54	8,06	9,25	10,17	10,82	11,14	11,23	11,18			
	3	0,89	1,60	2,83	4,43	4,91	5,59	6,64	7,59	8,10	9,30	10,24	10,90	11,23	11,33	11,29			
200	1	0,98	1,75	3,09	4,80	5,32	6,05	7,16	8,14	8,67	9,86	10,72	11,21	11,33					
	1,05	0,98	1,76	3,11	4,84	5,37	6,11	7,23	8,23	8,76	9,98	10,86	11,38	11,52					
	1,2	0,99	1,78	3,15	4,91	5,44	6,19	7,33	8,35	8,90	10,15	11,07	11,62	11,79					
	1,5	1,00	1,80	3,18	4,97	5,51	6,27	7,44	8,48	9,04	10,33	11,28	11,87	12,07					
	3	1,00	1,80	3,19	4,99	5,53	6,30	7,47	8,52	9,09	10,38	11,35	11,95	12,16					
224	1	1,11	1,98	3,51	5,46	6,05	6,87	8,12	9,21	9,79	11,05	11,87	12,22						
	1,05	1,11	2,00	3,53	5,50	6,09	6,93	8,19	9,29	9,88	11,16	12,01	12,38						
	1,2	1,12	2,01	3,57	5,56	6,16	7,01	8,29	9,42	10,02	11,34	12,22	12,63						
	1,5	1,13	2,03	3,60	5,62	6,23	7,09	8,40	9,55	10,16	11,51	12,43	12,87						
	3	1,13	2,04	3,61	5,64	6,26	7,12	8,43	9,59	10,21	11,57	12,50	12,95						
250	1	1,25	2,24	3,95	6,15	6,81	7,73	9,11	10,30	10,91	12,19	12,90							
	1,05	1,25	2,25	3,98	6,19	6,86	7,79	9,18	10,38	11,01	12,31	13,04							
	1,2	1,26	2,26	4,01	6,25	6,93	7,87	9,29	10,51	11,15	12,48	13,25							
	1,5	1,27	2,28	4,05	6,32	7,00	7,95	9,39	10,64	11,29	12,66	13,46							
	3	1,27	2,29	4,06	6,34	7,02	7,98	9,43	10,68	11,33	12,72	13,53							
280	1	1,40	2,52	4,46	6,93	7,66	8,69	10,20	11,46	12,10	13,32								
	1,05	1,41	2,53	4,48	6,97	7,71	8,74	10,27	11,55	12,19	13,44								
	1,2	1,42	2,55	4,52	7,03	7,78	8,83	10,37	11,68	12,33	13,61								
	1,5	1,43	2,57	4,55	7,09	7,85	8,91	10,48	11,80	12,47	13,79								
	3	1,43	2,57	4,56	7,11	7,87	8,94	10,51	11,84	12,52	13,85								

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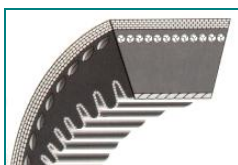
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Balflex® Power Transmission V-Belts



Balflex® Platinum V-Belt type CX – 60.CX

cogged trapezoidal 22 x 14 mm type V-belts for industrial power transmission



Power rating (kW)

D	R	rpm fastest shaft																		
		100	200	400	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	
180	1	1,30	2,33	4,09	5,64	6,36	7,04	7,68	8,30	8,89	9,45	9,99	10,50	10,84	11,09	11,24	11,30	11,27	11,15	
	1,05	1,31	2,35	4,14	5,71	6,43	7,12	7,78	8,41	9,01	9,59	10,13	10,65	11,00	11,26	11,41	11,47	11,44	11,32	
	1,2	1,33	2,38	4,20	5,81	6,55	7,26	7,93	8,58	9,19	9,78	10,35	10,88	11,25	11,51	11,67	11,73	11,70	11,58	
	1,5	1,34	2,41	4,27	5,91	6,66	7,39	8,08	8,74	9,37	9,98	10,56	11,11	11,49	11,76	11,93	11,99	11,96	11,83	
	3	1,35	2,42	4,29	5,94	6,70	7,43	8,13	8,80	9,44	10,05	10,63	11,19	11,57	11,84	12,01	12,08	12,04	11,91	
200	1	1,48	2,65	4,68	6,45	7,27	8,05	8,80	9,51	10,18	10,82	11,43	12,01	12,40	12,68	12,85	12,92	12,88	12,75	
	1,05	1,49	2,67	4,72	6,52	7,35	8,14	8,90	9,62	10,30	10,96	11,58	12,17	12,56	12,85	13,02	13,09	13,05	12,92	
	1,2	1,50	2,70	4,79	6,62	7,47	8,27	9,05	9,78	10,48	11,15	11,79	12,40	12,80	13,10	13,28	13,35	13,31	13,17	
	1,5	1,52	2,74	4,85	6,72	7,58	8,41	9,19	9,95	10,67	11,35	12,01	12,63	13,05	13,35	13,53	13,61	13,57	13,43	
	3	1,53	2,75	4,87	6,75	7,62	8,45	9,24	10,00	10,73	11,42	12,08	12,70	13,13	13,43	13,62	13,69	13,65	13,51	
224	1	1,69	3,03	5,36	7,41	8,35	9,25	10,10	10,91	11,68	12,41	13,10	13,74	14,18	14,49	14,68	14,75	14,71	14,57	
	1,05	1,70	3,05	5,40	7,47	8,43	9,33	10,20	11,02	11,80	12,54	13,24	13,90	14,34	14,65	14,85	14,92	14,88	14,74	
	1,2	1,71	3,08	5,47	7,57	8,54	9,47	10,35	11,18	11,98	12,74	13,45	14,13	14,58	14,91	15,10	15,18	15,14	14,99	
	1,5	1,73	3,12	5,54	7,67	8,66	9,60	10,49	11,35	12,16	12,93	13,67	14,36	14,83	15,16	15,36	15,44	15,40	15,24	
	3	1,74	3,13	5,56	7,70	8,70	9,64	10,54	11,40	12,22	13,00	13,74	14,44	14,91	15,24	15,45	15,53	15,48	15,33	
250	1	1,91	3,43	6,09	8,41	9,48	10,50	11,46	12,37	13,24	14,05	14,81	15,52	15,99	16,32	16,53	16,60	16,56	16,41	
	1,05	1,92	3,46	6,13	8,48	9,56	10,59	11,56	12,48	13,36	14,18	14,95	15,67	16,15	16,49	16,70	16,78	16,74	16,58	
	1,2	1,94	3,49	6,20	8,58	9,68	10,72	11,71	12,65	13,54	14,38	15,17	15,90	16,39	16,74	16,95	17,04	16,99	16,83	
	1,5	1,95	3,52	6,26	8,68	9,79	10,85	11,86	12,81	13,72	14,58	15,38	16,14	16,64	16,99	17,21	17,29	17,25	17,09	
	3	1,96	3,53	6,28	8,71	9,83	10,90	11,91	12,87	13,78	14,64	15,45	16,21	16,72	17,08	17,29	17,38	17,34	17,17	
280	1	2,16	3,89	6,91	9,55	10,76	11,90	12,98	14,00	14,95	15,84	16,67	17,43	17,93	18,28	18,49	18,57	18,53	18,37	
	1,05	2,17	3,92	6,95	9,61	10,83	11,99	13,08	14,11	15,07	15,97	16,81	17,59	18,09	18,44	18,66	18,74	18,70	18,54	
	1,2	2,19	3,95	7,02	9,71	10,95	12,12	13,23	14,27	15,25	16,17	17,03	17,82	18,33	18,70	18,91	19,00	18,96	18,79	
	1,5	2,21	3,98	7,08	9,81	11,07	12,25	13,38	14,44	15,44	16,37	17,24	18,05	18,58	18,95	19,17	19,26	19,21	19,04	
	3	2,21	3,99	7,11	9,84	11,10	12,30	13,43	14,49	15,50	16,44	17,31	18,12	18,66	19,03	19,26	19,34	19,30	19,13	
315	1	2,45	4,42	7,85	10,83	12,20	13,48	14,68	15,80	16,84	17,80	18,68	19,47	19,98	20,33	20,53	20,61	20,57	20,42	
	1,05	2,46	4,44	7,89	10,90	12,27	13,57	14,78	15,91	16,96	17,94	18,82	19,63	20,14	20,49	20,70	20,78	20,74	20,58	
	1,2	2,48	4,48	7,96	11,00	12,39	13,70	14,93	16,08	17,15	18,13	19,04	19,86	20,38	20,74	20,96	21,04	21,00	20,84	
	1,5	2,50	4,51	8,02	11,10	12,50	13,83	15,07	16,24	17,33	18,33	19,25	20,09	20,63	21,00	21,22	21,30	21,26	21,09	
	3	2,50	4,52	8,04	11,13	12,54	13,87	15,12	16,30	17,39	18,40	19,32	20,17	20,71	21,08	21,30	21,39	21,34	21,18	
355	1	2,78	5,01	8,89	12,26	13,78	15,20	16,52	17,74	18,86	19,86	20,76	21,54	22,03	22,34	22,53	22,60	22,56	22,42	
	1,05	2,79	5,04	8,94	12,32	13,86	15,29	16,62	17,85	18,98	20,00	20,90	21,70	22,19	22,51	22,70	22,77	22,73	22,59	
	1,2	2,81	5,07	9,00	12,42	13,97	15,42	16,77	18,02	19,16	20,19	21,12	21,93	22,43	22,76	22,96	23,03	22,99	22,85	
	1,5	2,83	5,10	9,07	12,52	14,09	15,55	16,92	18,18	19,34	20,39	21,33	22,16	22,67	23,01	23,21	23,29	23,25	23,10	
	3	2,83	5,11	9,09	12,55	14,13	15,60	16,97	18,24	19,40	20,46	21,40	22,24	22,75	23,10	23,30	23,37	23,33	23,18	
400	1	3,14	5,67	10,04	13,80	15,49	17,04	18,47	19,77	20,92	21,94	22,81	23,52	23,93	24,18	24,31	24,36	24,33	24,24	
	1,05	3,16	5,69	10,08	13,87	15,56	17,13	18,57	19,88	21,04	22,07	22,95	23,67	24,09	24,34	24,48	24,53	24,50	24,40	
	1,2	3,17	5,72	10,15	13,97	15,68	17,26	18,72	20,04	21,23	22,27	23,16	23,91	24,33	24,60	24,74	24,79	24,76	24,66	
	1,5	3,19	5,76	10,22	14,07	15,80	17,40	18,87	20,21	21,41	22,47	23,38	24,14	24,58	24,85	24,99	25,05	25,02	24,91	
	3	3,19	5,77	10,24	14,10	15,83	17,44	18,92	20,26	21,47	22,53	23,45	24,21	24,66	24,93	25,08	25,13	25,11	25,00	
450	1	3,54	6,38	11,28	15,45	17,29	18,97	20,48	21,81	22,97	23,93	24,69	25,25	25,51						
	1,05	3,55	6,40	11,32	15,52	17,37	19,06	20,58	21,92	23,09	24,06	24,84	25,40	25,67						
	1,2	3,57	6,44	11,39	15,62	17,48	19,19	20,72	22,09	23,27	24,26	25,05	25,63	25,91						
	1,5	3,58	6,47	11,46	15,71	17,60	19,32	20,87	22,25	23,45	24,46	25,26	25,86	26,15						
	3	3,59	6,48	11,48	15,75	17,64	19,36	20,92	22,31	23,51	24,52	25,34	25,94	26,23						

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Balflex® – The European Technology



Balflex® Power Transmission V-Belts

Balflex® Titanium V-Belts

Balflex® Titanium is the cogged narrow trapezoidal V-belt range of **Balflex®**, according to **DIN 7753** standard. **Titanium** V-belts add up to the versatile, low-maintenance means of narrow V-belt power transmission, higher power transmission capacity. **Balflex®** has optimized the construction of these narrow cogged transmission belts in order to assure top rated performance. Among their features are:

Low elongation: Specially treated high strength polyester cords allow lower elongation and higher resistance to bending fatigue, and thus more efficient power transmission, less readjustment needs and higher service life

High efficiency: The high strength and extremely good flexibility of the belt ensure the highest efficiency

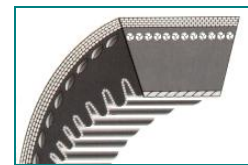
Heat and oil resistance: Special synthetic rubber compound of the body and cover impregnation allows better resistance to heat and oil, and thus higher service life ^{a)}. Cogged V-belts have higher efficiency in heat dissipation.

Low weight: Special cross-section design allows a significant mass reduction, which in turn assures better dynamic characteristics

High speed: Better dynamic characteristics allow faster speeds

Compact drive design: Better dynamic characteristics allow smaller sheave diameters, shorter centre distances and an overall more compact design of the transmission drive

Balflex® Titanium V-belts are supplied in the following profiles:



All Balflex V-Belts are branded:

OIL & HEAT
RESISTANT
ANTI-STATIC

Belt Profile	Cross-Section (W x H)	
	inch	mm
SPZX	0.38 x 0.31	9,7 x 8,0
SPAX	0.50 x 0.39	12,7 x 10,0
SPBX	0.64 x 0.51	16,3 x 13,0

Balflex® Titanium V-belts are identified by the profile type and by the pitch length. Every profile is manufactured in standard lengths, shown in the catalogue pages. **Balflex®** V-belts can also be supplied in customized lengths.

For drive design refer to **Balflex® Evolution** V-belts drive design procedures with power rating data of **Balflex® Titanium**.

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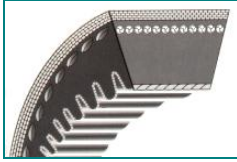
Balflex® – The European Technology

Balflex® Power Transmission V-Belts



Balflex® Titanium V-Belt type SPZX – 60.SPZX

narrow 9,7 x 8 mm cogged type V-belts for increased industrial power transmission



According to **DIN 7753-1** standard cross-section SPZX

(see catalogue page of type 3VX belts for interchangeability with belts according to **MPTA-RMA-RAC IP-22** standard cross-section 3VX)

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
- Tension member:** high strength low elongation PE cords
- Body:** compression fatigue and heat resistant synthetic rubber
- Cross-section:** 9,7 x 8 mm (0,38" x 0,31")
- Use:** industrial power transmission

Part Number	L	Le	Part Number	L	Le	Part Number	L	Le
	mm	mm		mm	mm		mm	mm
60.SPZX 0512	512	525	60.SPZX 1120	1120	1133	60.SPZX 1900	1900	1913
60.SPZX 0587	587	600	60.SPZX 1137	1137	1150	60.SPZX 2000	2000	2013
60.SPZX 0612	612	625	60.SPZX 1147	1147	1160	60.SPZX 2030	2030	2043
60.SPZX 0630	630	643	60.SPZX 1162	1162	1175	60.SPZX 2120	2120	2133
60.SPZX 0637	637	650	60.SPZX 1180	1180	1193	60.SPZX 2160	2160	2173
60.SPZX 0662	662	675	60.SPZX 1187	1187	1200	60.SPZX 2240	2240	2253
60.SPZX 0670	670	683	60.SPZX 1202	1202	1215	60.SPZX 2280	2280	2293
60.SPZX 0687	687	700	60.SPZX 1212	1212	1225	60.SPZX 2360	2360	2373
60.SPZX 0710	710	723	60.SPZX 1237	1237	1250	60.SPZX 2410	2410	2423
60.SPZX 0722	722	735	60.SPZX 1250	1250	1263	60.SPZX 2500	2500	2513
60.SPZX 0737	737	750	60.SPZX 1262	1262	1275	60.SPZX 2540	2540	2563
60.SPZX 0750	750	763	60.SPZX 1287	1287	1300	60.SPZX 2650	2650	2663
60.SPZX 0762	762	775	60.SPZX 1312	1312	1325	60.SPZX 2690	2690	2703
60.SPZX 0787	787	800	60.SPZX 1320	1320	1333	60.SPZX 2840	2840	2853
60.SPZX 0800	800	813	60.SPZX 1337	1337	1350	60.SPZX 3000	3000	3013
60.SPZX 0812	812	825	60.SPZX 1362	1362	1375	60.SPZX 3170	3170	3183
60.SPZX 0837	837	850	60.SPZX 1387	1387	1400	60.SPZX 3350	3350	3363
60.SPZX 0850	850	863	60.SPZX 1400	1400	1413	60.SPZX 3550	3550	3563
60.SPZX 0862	862	875	60.SPZX 1412	1412	1425			
60.SPZX 0887	887	900	60.SPZX 1420	1420	1433			
60.SPZX 0900	900	913	60.SPZX 1437	1437	1450			
60.SPZX 0912	912	925	60.SPZX 1462	1462	1475			
60.SPZX 0925	925	938	60.SPZX 1487	1487	1500			
60.SPZX 0937	937	950	60.SPZX 1500	1500	1513			
60.SPZX 0950	950	963	60.SPZX 1512	1512	1525			
60.SPZX 0962	962	975	60.SPZX 1520	1520	1533			
60.SPZX 0987	987	1000	60.SPZX 1537	1537	1550			
60.SPZX 1000	1000	1013	60.SPZX 1562	1562	1575			
60.SPZX 1012	1012	1025	60.SPZX 1587	1587	1600			
60.SPZX 1037	1037	1050	60.SPZX 1600	1600	1613			
60.SPZX 1047	1047	1060	60.SPZX 1612	1612	1625			
60.SPZX 1060	1060	1073	60.SPZX 1662	1662	1675			
60.SPZX 1077	1077	1090	60.SPZX 1700	1700	1713			
60.SPZX 1087	1087	1100	60.SPZX 1762	1762	1775			
60.SPZX 1112	1112	1125	60.SPZX 1800	1800	1813			

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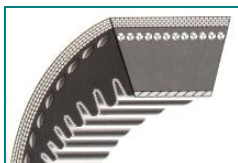
Balflex® – The European Technology



Balflex[®] Power Transmission V-Belts

Balflex[®] Titanium V-Belt type SPZX – 60.SPZX

narrow 9,7 x 8 mm cogged type V-belts for increased industrial power transmission



Power rating (kW)

D (mm)	R	speed of fast shaft (rpm)																		
		200	400	700	800	950	1200	1450	1600	2000	2400	2800	3200	3600	4000	4500	5000	5500	6000	
63	1	0,22	0,41	0,66	0,74	0,86	1,05	1,23	1,34	1,61	1,87	2,12	2,35	2,58	2,79	3,04	3,27	3,47	3,66	
	1,05	0,22	0,41	0,67	0,75	0,87	1,07	1,25	1,36	1,64	1,90	2,15	2,39	2,62	2,83	3,09	3,32	3,53	3,73	
	1,2	0,24	0,44	0,71	0,80	0,93	1,14	1,34	1,45	1,75	2,04	2,32	2,58	2,83	3,07	3,35	3,62	3,86	4,08	
	1,5	0,24	0,45	0,73	0,82	0,96	1,17	1,38	1,50	1,81	2,11	2,40	2,67	2,94	3,19	3,48	3,76	4,02	4,26	
	3	0,25	0,46	0,75	0,85	0,98	1,21	1,42	1,55	1,87	2,18	2,48	2,77	3,04	3,31	3,62	3,91	4,19	4,44	
71	1	0,27	0,50	0,82	0,92	1,07	1,31	1,54	1,68	2,03	2,36	2,68	2,98	3,27	3,55	3,87	4,17	4,44	4,68	
	1,05	0,27	0,51	0,83	0,93	1,08	1,33	1,56	1,70	2,05	2,39	2,71	3,02	3,31	3,59	3,92	4,22	4,50	4,75	
	1,2	0,28	0,53	0,87	0,98	1,14	1,40	1,65	1,79	2,17	2,53	2,88	3,21	3,53	3,83	4,18	4,52	4,82	5,10	
	1,5	0,29	0,54	0,89	1,00	1,17	1,43	1,69	1,84	2,23	2,60	2,96	3,30	3,63	3,95	4,32	4,66	4,99	5,28	
	3	0,30	0,55	0,91	1,03	1,19	1,47	1,73	1,89	2,29	2,67	3,04	3,40	3,74	4,06	4,45	4,81	5,15	5,46	
80	1	0,33	0,62	1,01	1,14	1,33	1,63	1,92	2,09	2,53	2,95	3,36	3,74	4,10	4,45	4,86	5,23	5,57	5,87	
	1,05	0,33	0,62	1,02	1,15	1,34	1,64	1,94	2,11	2,55	2,98	3,39	3,77	4,14	4,49	4,91	5,28	5,63	5,94	
	1,2	0,34	0,64	1,06	1,20	1,39	1,71	2,02	2,20	2,67	3,12	3,55	3,96	4,36	4,73	5,17	5,58	5,95	6,29	
	1,5	0,35	0,66	1,08	1,22	1,42	1,75	2,06	2,25	2,73	3,19	3,63	4,06	4,46	4,85	5,30	5,73	6,12	6,47	
	3	0,36	0,67	1,10	1,24	1,45	1,78	2,11	2,30	2,79	3,26	3,72	4,15	4,57	4,97	5,44	5,88	6,28	6,65	
90	1	0,39	0,73	1,21	1,36	1,58	1,94	2,30	2,50	3,03	3,54	4,03	4,49	4,93	5,34	5,82	6,26	6,66	7,00	
	1,05	0,39	0,73	1,21	1,37	1,59	1,96	2,31	2,52	3,06	3,57	4,06	4,52	4,97	5,38	5,87	6,32	6,72	7,07	
	1,2	0,40	0,76	1,25	1,41	1,65	2,03	2,40	2,61	3,17	3,71	4,22	4,71	5,18	5,62	6,14	6,61	7,04	7,42	
	1,5	0,41	0,77	1,27	1,44	1,68	2,06	2,44	2,66	3,23	3,78	4,31	4,81	5,29	5,74	6,27	6,76	7,20	7,60	
	3	0,42	0,78	1,30	1,46	1,70	2,10	2,48	2,71	3,29	3,85	4,39	4,90	5,39	5,86	6,40	6,91	7,37	7,78	
100	1	0,45	0,84	1,39	1,57	1,83	2,25	2,66	2,90	3,52	4,11	4,67	5,21	5,71	6,19	6,74	7,23	7,67	8,04	
	1,05	0,45	0,85	1,40	1,58	1,84	2,27	2,68	2,92	3,54	4,14	4,70	5,24	5,75	6,23	6,78	7,28	7,73	8,11	
	1,2	0,46	0,87	1,44	1,63	1,90	2,34	2,76	3,01	3,66	4,28	4,87	5,43	5,97	6,47	7,05	7,58	8,05	8,46	
	1,5	0,47	0,88	1,46	1,65	1,92	2,37	2,81	3,06	3,72	4,35	4,95	5,53	6,07	6,59	7,18	7,73	8,21	8,64	
	3	0,47	0,89	1,48	1,67	1,95	2,41	2,85	3,11	3,78	4,42	5,04	5,62	6,18	6,71	7,32	7,88	8,38	8,82	
112	1	0,52	0,99	1,64	1,85	2,15	2,65	3,14	3,42	4,15	4,85	5,51	6,13	6,72	7,26	7,88	8,43	8,90	9,29	
	1,05	0,53	0,99	1,65	1,86	2,16	2,67	3,15	3,44	4,17	4,87	5,54	6,17	6,76	7,31	7,93	8,48	8,96	9,35	
	1,2	0,54	1,01	1,69	1,90	2,22	2,74	3,24	3,53	4,29	5,02	5,70	6,36	6,97	7,54	8,20	8,78	9,28	9,71	
	1,5	0,54	1,03	1,71	1,93	2,25	2,77	3,28	3,58	4,35	5,09	5,79	6,45	7,08	7,66	8,33	8,93	9,45	9,88	
	3	0,55	1,04	1,73	1,95	2,28	2,81	3,32	3,63	4,41	5,16	5,87	6,55	7,18	7,78	8,46	9,08	9,61	10,06	
125	1	0,60	1,13	1,88	2,12	2,48	3,05	3,61	3,94	4,78	5,57	6,32	7,03	7,69	8,29	8,96	9,54	10,02		
	1,05	0,60	1,14	1,89	2,13	2,49	3,07	3,63	3,95	4,80	5,60	6,35	7,06	7,73	8,33	9,01	9,60	10,08		
	1,2	0,61	1,16	1,93	2,18	2,54	3,14	3,71	4,05	4,92	5,74	6,52	7,25	7,94	8,57	9,28	9,89	10,41		
	1,5	0,62	1,17	1,95	2,20	2,57	3,17	3,75	4,09	4,97	5,81	6,60	7,35	8,04	8,69	9,41	10,04	10,57		
	3	0,63	1,18	1,97	2,23	2,60	3,21	3,80	4,14	5,03	5,88	6,69	7,44	8,15	8,81	9,55	10,19	10,73		
140	1	0,69	1,29	2,16	2,43	2,84	3,50	4,14	4,51	5,47	6,38	7,23	8,01	8,74	9,39	10,11				
	1,05	0,69	1,30	2,16	2,44	2,85	3,51	4,16	4,53	5,49	6,40	7,26	8,05	8,78	9,44	10,16				
	1,2	0,70	1,32	2,20	2,49	2,91	3,58	4,24	4,62	5,61	6,55	7,42	8,24	8,99	9,67	10,42				
	1,5	0,71	1,33	2,23	2,51	2,93	3,62	4,28	4,67	5,67	6,62	7,50	8,33	9,10	9,79	10,55				
	3	0,71	1,35	2,25	2,54	2,96	3,66	4,33	4,72	5,73	6,69	7,59	8,43	9,20	9,91	10,69				
160	1	0,80	1,51	2,52	2,85	3,33	4,10	4,84	5,28	6,39	7,43	8,40	9,28	10,07	10,77					
	1,05	0,80	1,52	2,53	2,86	3,34	4,11	4,86	5,30	6,41	7,46	8,43	9,31	10,11	10,81					
	1,2	0,81	1,54	2,57	2,90	3,39	4,18	4,95	5,39	6,53	7,60	8,59	9,50	10,32	11,05					
	1,5	0,82	1,55	2,59	2,93	3,42	4,22	4,99	5,44	6,59	7,67	8,68	9,60	10,43	11,16					
	3	0,83	1,57	2,61	2,95	3,45	4,25	5,03	5,49	6,65	7,74	8,76	9,69	10,54	11,28					

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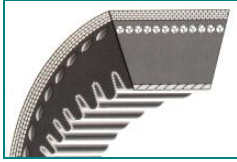
Balflex[®] – The European Technology

Balflex® Power Transmission V-Belts



Balflex® Titanium V-Belt type SPAX – 60.SPAX

narrow 12,7 x 10 mm cogged type V-belts for increased industrial power transmission



According to **DIN 7753-1** standard cross-section SPAX

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
- Tension member:** high strength low elongation PE cords
- Body:** compression fatigue and heat resistant synthetic rubber
- Cross-section:** 12,7 x 10 mm (0,5" x 0,39")
- Use:** industrial power transmission

Part Number	L	Le	Part Number	L	Le	Part Number	L	Le
	mm	mm		mm	mm		mm	mm
60.SPAX 0732	732	750	60.SPAX 1332	1332	1350	60.SPAX 2300	2300	2318
60.SPAX 0757	757	775	60.SPAX 1357	1357	1375	60.SPAX 2360	2360	2378
60.SPAX 0782	782	800	60.SPAX 1382	1382	1400	60.SPAX 2432	2432	2450
60.SPAX 0800	800	818	60.SPAX 1400	1400	1418	60.SPAX 2482	2482	2500
60.SPAX 0807	807	825	60.SPAX 1432	1432	1450	60.SPAX 2500	2500	2518
60.SPAX 0832	832	850	60.SPAX 1457	1457	1475	60.SPAX 2532	2532	2550
60.SPAX 0850	850	868	60.SPAX 1482	1482	1500	60.SPAX 2582	2582	2600
60.SPAX 0857	857	875	60.SPAX 1500	1500	1518	60.SPAX 2607	2607	2625
60.SPAX 0882	882	900	60.SPAX 1507	1507	1525	60.SPAX 2632	2632	2650
60.SPAX 0900	900	918	60.SPAX 1532	1532	1550	60.SPAX 2650	2650	2668
60.SPAX 0907	907	925	60.SPAX 1557	1557	1575	60.SPAX 2682	2682	2700
60.SPAX 0925	925	943	60.SPAX 1582	1582	1600	60.SPAX 2732	2732	2750
60.SPAX 0932	932	950	60.SPAX 1600	1600	1618	60.SPAX 2782	2782	2800
60.SPAX 0950	950	968	60.SPAX 1607	1607	1625	60.SPAX 2800	2800	2818
60.SPAX 0957	957	975	60.SPAX 1632	1632	1650	60.SPAX 2832	2832	2850
60.SPAX 0969	969	987	60.SPAX 1650	1650	1668	60.SPAX 2847	2847	2865
60.SPAX 0982	982	1000	60.SPAX 1700	1700	1718	60.SPAX 2882	2882	2900
60.SPAX 1007	1007	1025	60.SPAX 1732	1732	1750	60.SPAX 2932	2932	2950
60.SPAX 1032	1032	1050	60.SPAX 1757	1757	1775	60.SPAX 2982	2982	3000
60.SPAX 1060	1060	1078	60.SPAX 1800	1800	1818	60.SPAX 3000	3000	3018
60.SPAX 1082	1082	1100	60.SPAX 1832	1832	1850	60.SPAX 3150	3150	3168
60.SPAX 1107	1107	1125	60.SPAX 1850	1850	1868	60.SPAX 3350	3350	3368
60.SPAX 1120	1120	1138	60.SPAX 1857	1857	1875	60.SPAX 3550	3550	3568
60.SPAX 1132	1132	1150	60.SPAX 1900	1900	1918	60.SPAX 3750	3750	3768
60.SPAX 1150	1150	1168	60.SPAX 1932	1932	1950			
60.SPAX 1157	1157	1175	60.SPAX 1957	1957	1975			
60.SPAX 1180	1180	1198	60.SPAX 1982	1982	2000			
60.SPAX 1207	1207	1225	60.SPAX 2000	2000	2018			
60.SPAX 1232	1232	1250	60.SPAX 2032	2032	2050			
60.SPAX 1250	1250	1268	60.SPAX 2057	2057	2075			
60.SPAX 1257	1257	1275	60.SPAX 2120	2120	2138			
60.SPAX 1272	1272	1290	60.SPAX 2160	2160	2178			
60.SPAX 1282	1282	1300	60.SPAX 2182	2182	2200			
60.SPAX 1307	1307	1325	60.SPAX 2240	2240	2258			
60.SPAX 1320	1320	1338	60.SPAX 2282	2282	2300			

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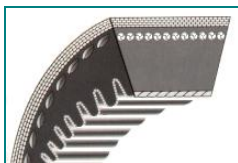
Balflex® – The European Technology



Balflex® Power Transmission V-Belts

Balflex® Titanium V-Belt type SPAX – 60.SPAX

narrow 12,7 x 10 mm cogged type V-belts for increased industrial power transmission



Power rating (kW)

D (mm)	R	speed of fast shaft (rpm)																	
		200	400	700	800	950	1200	1450	1600	2000	2400	2800	3200	3600	4000	4500	5000	5500	6000
90	1	0,56	1,03	1,68	1,89	2,19	2,67	3,14	3,41	4,11	4,76	5,38	5,96	6,50	7,00	7,57	8,06	8,48	8,83
	1,05	0,57	1,05	1,72	1,94	2,25	2,75	3,23	3,51	4,23	4,91	5,56	6,16	6,73	7,25	7,85	8,37	8,83	9,20
	1,2	0,58	1,08	1,77	1,99	2,31	2,83	3,33	3,63	4,37	5,08	5,76	6,39	6,98	7,53	8,17	8,73	9,22	9,63
	1,5	0,60	1,12	1,84	2,06	2,40	2,94	3,46	3,77	4,56	5,30	6,01	6,68	7,31	7,90	8,58	9,18	9,72	10,17
	3	0,61	1,15	1,88	2,12	2,47	3,03	3,57	3,88	4,70	5,47	6,21	6,90	7,56	8,18	8,89	9,53	10,10	10,59
100	1	0,62	1,15	1,88	2,12	2,46	3,01	3,54	3,85	4,64	5,39	6,10	6,76	7,37	7,94	8,59	9,15	9,62	10,00
	1,05	0,63	1,17	1,93	2,17	2,52	3,09	3,63	3,95	4,77	5,54	6,27	6,96	7,60	8,19	8,87	9,46	9,96	10,38
	1,2	0,65	1,20	1,98	2,22	2,59	3,17	3,73	4,06	4,91	5,71	6,47	7,18	7,85	8,48	9,19	9,81	10,35	10,80
	1,5	0,66	1,24	2,04	2,30	2,67	3,28	3,87	4,21	5,09	5,93	6,72	7,47	8,18	8,84	9,59	10,27	10,85	11,35
	3	0,68	1,27	2,09	2,35	2,74	3,36	3,97	4,32	5,23	6,10	6,92	7,70	8,43	9,12	9,91	10,62	11,24	11,77
112	1	0,69	1,29	2,12	2,39	2,77	3,40	4,00	4,36	5,26	6,11	6,91	7,67	8,37	9,01	9,74	10,36	10,89	11,30
	1,05	0,71	1,31	2,16	2,44	2,83	3,47	4,09	4,45	5,38	6,26	7,09	7,87	8,59	9,26	10,02	10,68	11,23	11,68
	1,2	0,72	1,34	2,21	2,49	2,90	3,56	4,20	4,57	5,52	6,43	7,29	8,09	8,85	9,55	10,34	11,03	11,62	12,10
	1,5	0,74	1,38	2,28	2,56	2,99	3,67	4,33	4,71	5,71	6,65	7,54	8,38	9,17	9,91	10,74	11,48	12,12	12,65
	3	0,75	1,41	2,33	2,62	3,05	3,75	4,43	4,83	5,85	6,82	7,74	8,61	9,43	10,19	11,06	11,84	12,51	13,07
125	1	0,77	1,44	2,37	2,66	3,10	3,80	4,48	4,88	5,89	6,85	7,76	8,60	9,38	10,10	10,90	11,59	12,15	12,58
	1,05	0,78	1,46	2,41	2,71	3,16	3,88	4,57	4,98	6,02	7,00	7,93	8,80	9,61	10,35	11,18	11,90	12,50	12,96
	1,2	0,80	1,49	2,46	2,77	3,23	3,96	4,68	5,09	6,16	7,17	8,13	9,03	9,86	10,64	11,50	12,26	12,89	13,38
	1,5	0,81	1,53	2,52	2,84	3,31	4,07	4,81	5,24	6,34	7,39	8,38	9,32	10,19	11,00	11,91	12,71	13,38	13,93
	3	0,83	1,55	2,57	2,90	3,38	4,16	4,91	5,35	6,48	7,56	8,58	9,54	10,44	11,28	12,23	13,06	13,77	14,35
140	1	0,86	1,62	2,67	3,00	3,50	4,30	5,07	5,52	6,67	7,76	8,78	9,73	10,61	11,41	12,29	13,03	13,62	
	1,05	0,88	1,64	2,71	3,05	3,56	4,37	5,16	5,62	6,80	7,91	8,95	9,93	10,83	11,66	12,57	13,34	13,96	
	1,2	0,89	1,67	2,76	3,11	3,63	4,46	5,26	5,73	6,94	8,08	9,15	10,16	11,09	11,94	12,89	13,70	14,35	
	1,5	0,91	1,70	2,82	3,18	3,71	4,57	5,39	5,88	7,12	8,30	9,41	10,45	11,41	12,30	13,30	14,15	14,85	
	3	0,92	1,73	2,87	3,24	3,78	4,65	5,50	5,99	7,26	8,47	9,60	10,67	11,67	12,58	13,61	14,50	15,24	
160	1	0,98	1,83	3,03	3,42	3,98	4,90	5,78	6,29	7,61	8,85	10,00	11,08	12,06	12,94	13,90	14,68		
	1,05	0,99	1,86	3,08	3,47	4,04	4,97	5,87	6,39	7,73	9,00	10,18	11,28	12,28	13,19	14,18	15,00		
	1,2	1,00	1,89	3,13	3,53	4,11	5,06	5,97	6,50	7,87	9,17	10,38	11,50	12,54	13,48	14,50	15,35		
	1,5	1,02	1,92	3,19	3,60	4,20	5,17	6,10	6,65	8,06	9,38	10,63	11,79	12,87	13,84	14,91	15,80		
	3	1,04	1,95	3,24	3,65	4,26	5,25	6,20	6,76	8,20	9,55	10,83	12,02	13,12	14,12	15,23	16,16		
180	1	1,09	2,05	3,40	3,83	4,47	5,50	6,49	7,06	8,54	9,93	11,21	12,40	13,47	14,43	15,44			
	1,05	1,10	2,08	3,44	3,88	4,53	5,57	6,58	7,16	8,67	10,08	11,39	12,60	13,70	14,68	15,72			
	1,2	1,12	2,10	3,49	3,94	4,60	5,66	6,68	7,28	8,81	10,25	11,59	12,83	13,95	14,96	16,04			
	1,5	1,14	2,14	3,56	4,01	4,68	5,77	6,81	7,42	8,99	10,46	11,84	13,12	14,28	15,32	16,44			
	3	1,15	2,17	3,61	4,07	4,75	5,85	6,91	7,54	9,13	10,63	12,04	13,34	14,53	15,60	16,76			
200	1	1,22	2,30	3,82	4,30	5,02	6,18	7,29	7,94	9,59	11,13	12,56	13,85	15,01	16,02				
	1,05	1,23	2,32	3,86	4,35	5,08	6,25	7,38	8,04	9,71	11,28	12,73	14,05	15,24	16,27				
	1,2	1,25	2,35	3,91	4,41	5,15	6,34	7,48	8,15	9,86	11,45	12,93	14,28	15,49	16,56				
	1,5	1,26	2,39	3,97	4,48	5,23	6,44	7,61	8,29	10,04	11,67	13,18	14,57	15,82	16,92				
	3	1,28	2,42	4,02	4,54	5,30	6,53	7,71	8,41	10,18	11,84	13,38	14,80	16,07	17,20				
224	1	1,36	2,56	4,25	4,79	5,59	6,88	8,12	8,84	10,67	12,37	13,93	15,33	16,55	17,60				
	1,05	1,37	2,58	4,29	4,84	5,65	6,96	8,21	8,94	10,80	12,52	14,10	15,53	16,78	17,85				
	1,2	1,38	2,61	4,34	4,90	5,72	7,04	8,31	9,05	10,94	12,69	14,30	15,75	17,03	18,13				
	1,5	1,40	2,65	4,41	4,97	5,81	7,15	8,45	9,20	11,12	12,91	14,55	16,04	17,36	18,49				
	3	1,41	2,68	4,46	5,03	5,87	7,23	8,55	9,31	11,26	13,08	14,75	16,27	17,61	18,77				

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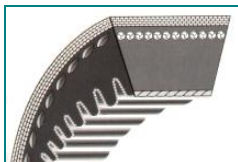
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Balflex® Power Transmission V-Belts



Balflex® Titanium V-Belt type SPBX – 60.SPBX

narrow 16,3 x 13 mm cogged type V-belts for increased industrial power transmission



According to **DIN 7753-1** standard cross-section SPBX

(see catalogue page of type 5VX belts for interchangeability with belts according to **MPTA-RMA-RAC IP-22** standard cross-section 5VX)

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
- Tension member:** high strength low elongation PE cords
- Body:** compression fatigue and heat resistant synthetic rubber
- Cross-section:** 16,3 x 13 mm (0,62" x 0,53")
- Use:** industrial power transmission

Part Number	L	Le
	mm	mm
60.SPBX 1250	1250	1272
60.SPBX 1260	1260	1282
60.SPBX 1320	1320	1342
60.SPBX 1340	1340	1362
60.SPBX 1400	1400	1422
60.SPBX 1410	1410	1432
60.SPBX 1500	1500	1522
60.SPBX 1510	1510	1532
60.SPBX 1590	1590	1612
60.SPBX 1600	1600	1622
60.SPBX 1690	1690	1712
60.SPBX 1700	1700	1722
60.SPBX 1800	1800	1822
60.SPBX 1900	1900	1922
60.SPBX 2000	2000	2022
60.SPBX 2020	2020	2042
60.SPBX 2120	2120	2142
60.SPBX 2150	2150	2172
60.SPBX 2240	2240	2262
60.SPBX 2280	2280	2302
60.SPBX 2360	2360	2382
60.SPBX 2410	2410	2422
60.SPBX 2500	2500	2522
60.SPBX 2530	2530	2552
60.SPBX 2650	2650	2672
60.SPBX 2680	2680	2702
60.SPBX 2800	2800	2822
60.SPBX 2840	2840	2862
60.SPBX 2990	2990	3012
60.SPBX 3150	3150	3172
60.SPBX 3170	3170	3192
60.SPBX 3340	3340	3362
60.SPBX 3550	3550	3572
60.SPBX 3750	3750	3772

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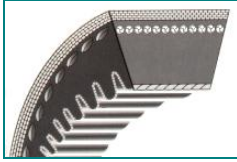
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Balflex® Titanium V-Belt type SPBX – 60.SPBX

narrow 16,3 x 13 mm cogged type V-belts for increased industrial power transmission



Power rating (kW)

D (mm)	R	speed of fast shaft (rpm)																
		200	400	700	800	950	1200	1450	1600	1800	2000	2200	2400	2800	3200	3600	4000	4500
140	1	1,42	2,63	4,30	4,84	5,61	6,86	8,05	8,73	9,62	10,48	11,30	12,08	13,36	14,38	15,16	15,72	16,30
	1,05	1,43	2,65	4,34	4,88	5,66	6,92	8,13	8,82	9,72	10,59	11,42	12,22	13,51	14,55	15,34	15,91	16,50
	1,2	1,49	2,77	4,55	5,12	5,95	7,29	8,56	9,30	10,26	11,19	12,08	12,94	14,34	15,47	16,33	16,96	17,62
	1,5	1,52	2,83	4,66	5,24	6,09	7,47	8,78	9,54	10,53	11,49	12,41	13,30	14,75	15,92	16,83	17,48	18,17
	3	1,55	2,89	4,76	5,36	6,24	7,65	9,00	9,79	10,80	11,79	12,74	13,66	15,16	16,38	17,32	18,01	18,73
160	1	1,72	3,21	5,27	5,93	6,90	8,44	9,92	10,78	11,88	12,94	13,96	14,93	16,50	17,75	18,69	19,36	20,05
	1,05	1,73	3,23	5,31	5,98	6,95	8,51	10,00	10,86	11,98	13,05	14,08	15,06	16,65	17,91	18,87	19,55	20,25
	1,2	1,79	3,35	5,52	6,22	7,24	8,87	10,44	11,35	12,52	13,65	14,74	15,78	17,48	18,83	19,87	20,61	21,37
	1,5	1,82	3,41	5,63	6,34	7,38	9,05	10,66	11,59	12,79	13,95	15,07	16,14	17,89	19,29	20,36	21,13	21,92
	3	1,85	3,47	5,73	6,46	7,52	9,23	10,87	11,83	13,06	14,25	15,40	16,51	18,30	19,75	20,86	21,65	22,48
180	1	2,00	3,74	6,17	6,95	8,08	9,90	11,64	12,65	13,94	15,19	16,38	17,51	19,32	20,75	21,82	22,57	23,32
	1,05	2,01	3,76	6,21	6,99	8,13	9,97	11,72	12,74	14,04	15,30	16,50	17,64	19,47	20,92	22,00	22,76	23,53
	1,2	2,07	3,88	6,42	7,23	8,42	10,33	12,16	13,22	14,59	15,90	17,16	18,36	20,30	21,84	22,99	23,81	24,64
	1,5	2,10	3,94	6,53	7,35	8,56	10,51	12,38	13,46	14,86	16,20	17,49	18,72	20,71	22,29	23,49	24,33	25,20
	3	2,13	4,00	6,63	7,47	8,71	10,69	12,60	13,70	15,13	16,50	17,82	19,09	21,13	22,75	23,99	24,86	25,76
200	1	2,29	4,30	7,11	8,01	9,32	11,43	13,44	14,60	16,09	17,51	18,87	20,15	22,20	23,78	24,95	25,75	
	1,05	2,30	4,32	7,15	8,05	9,37	11,50	13,52	14,69	16,19	17,62	18,99	20,29	22,35	23,95	25,13	25,94	
	1,2	2,36	4,44	7,36	8,29	9,66	11,86	13,96	15,17	16,73	18,23	19,65	21,01	23,17	24,87	26,12	26,99	
	1,5	2,39	4,50	7,47	8,41	9,80	12,04	14,17	15,41	17,00	18,52	19,98	21,37	23,59	25,32	26,61	27,51	
	3	2,43	4,56	7,57	8,53	9,95	12,22	14,39	15,65	17,27	18,83	20,31	21,73	24,00	25,78	27,11	28,04	
224	1	2,63	4,95	8,20	9,24	10,75	13,18	15,50	16,83	18,53	20,15	21,68	23,13	25,39	27,10	28,33		
	1,05	2,64	4,97	8,24	9,28	10,80	13,25	15,58	16,92	18,63	20,26	21,81	23,26	25,54	27,27	28,51		
	1,2	2,70	5,09	8,45	9,52	11,09	13,61	16,01	17,40	19,17	20,86	22,47	23,98	26,37	28,19	29,51		
	1,5	2,73	5,15	8,55	9,64	11,23	13,79	16,23	17,64	19,44	21,16	22,80	24,34	26,78	28,65	30,00		
	3	2,77	5,21	8,66	9,76	11,38	13,97	16,45	17,88	19,71	21,47	23,13	24,70	27,19	29,11	30,50		
250	1	3,00	5,65	9,37	10,55	12,29	15,06	17,69	19,20	21,12	22,93	24,63	26,22	28,65				
	1,05	3,01	5,67	9,41	10,60	12,34	15,13	17,77	19,29	21,22	23,04	24,75	26,35	28,81				
	1,2	3,07	5,79	9,62	10,84	12,63	15,49	18,21	19,77	21,76	23,64	25,42	27,07	29,63				
	1,5	3,10	5,85	9,72	10,96	12,77	15,67	18,43	20,01	22,03	23,94	25,75	27,43	30,04				
	3	3,13	5,91	9,83	11,08	12,91	15,85	18,64	20,25	22,30	24,24	26,08	27,79	30,46				
280	1	3,40	6,40	10,63	11,97	13,93	17,07	20,02	21,70	23,84	25,83	27,69	29,39					
	1,05	3,41	6,43	10,66	12,01	13,99	17,13	20,10	21,79	23,93	25,94	27,81	29,52					
	1,2	3,47	6,55	10,87	12,26	14,27	17,50	20,54	22,27	24,48	26,55	28,47	30,25					
	1,5	3,50	6,61	10,98	12,37	14,42	17,67	20,76	22,51	24,75	26,85	28,80	30,60					
	3	3,53	6,67	11,09	12,50	14,56	17,86	20,97	22,76	25,02	27,15	29,13	30,97					
315	1	3,90	7,36	12,21	13,75	16,00	19,57	22,91	24,79	27,16	29,35	31,35	33,14					
	1,05	3,91	7,38	12,25	13,79	16,05	19,63	22,99	24,88	27,26	29,46	31,47	33,27					
	1,2	3,97	7,50	12,46	14,03	16,34	20,00	23,42	25,36	27,80	30,06	32,13	34,00					
	1,5	4,00	7,56	12,56	14,15	16,48	20,18	23,64	25,60	28,07	30,36	32,46	34,35					
	3	4,03	7,62	12,67	14,27	16,62	20,36	23,86	25,85	28,35	30,67	32,79	34,72					
355	1	4,43	8,37	13,88	15,63	18,17	22,19	25,90	27,98	30,55	32,89							
	1,05	4,44	8,39	13,92	15,67	18,22	22,25	25,98	28,07	30,65	33,00							
	1,2	4,50	8,51	14,13	15,92	18,51	22,61	26,42	28,55	31,19	33,60							
	1,5	4,53	8,57	14,24	16,03	18,65	22,79	26,64	28,79	31,46	33,90							
	3	4,56	8,63	14,34	16,16	18,80	22,97	26,85	29,03	31,74	34,20							

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Balflex® – The European Technology

Balflex® Automotive V-Belts



Balflex® Autoplus V-Belts

Balflex® Autoplus is the automotive trapezoidal narrow raw-edge cogged V-belt range of **Balflex®**, according to **DIN 7753-3** standard.

The construction of **Balflex® Autoplus** belts has been optimized to provide high efficiency for top rated performance. Among their features are:

Low weight: Special cross-section design allows a significant mass reduction, which in turn assures better dynamic characteristics

High speed: Better dynamic characteristics allow faster speeds

Low Maintenance: Better dynamic characteristics allow lower tensioning and therefore less take-up and less effort on the shafts and bearings

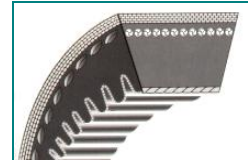
Dimensional Stability: Dimensional checks assure high uniformity of belt weight and pitch line along all length

Low elongation: Specially treated high strength polyester cords allow lower elongation and higher resistance to bending fatigue, and thus more efficient power transmission, less readjustment needs and higher service life

High efficiency: The high strength and good flexibility of the **Balflex® Autoplus** belt ensure the highest efficiency

Heat and oil resistance: Special synthetic rubber compound of the body and cover impregnation allows better resistance to heat and oil, and thus longer service life. Cogged V-belts have higher efficiency in heat dissipation.

Balflex® Autoplus V-belts are supplied in the following cross-sections:



All Balflex V-Belts are branded:

OIL & HEAT
RESISTANT
ANTI-STATIC

Belt Profile	Cross-Section (W x H)	
	inch	mm
10AVX	0,39 x 0,31	10,0 x 8,0
13AVX	0,51 x 0,35	13,0 x 9,0

Balflex® Autoplus V-belts are identified by the profile type and by the pitch length. All profiles are manufactured in the common standard lengths used in the automotive industry, as listed in the catalogue pages. They can be supplied also in customized lengths

Construction characteristics and dimensions may be changed at any time without prior notice.

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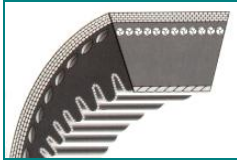
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Balflex® Automotive V-Belts

Balflex® Autoplus V-Belt type 10AVX – 60.10AVX

narrow 10 x 8 mm raw-edge cogged V-belts for power transmission



According to **DIN 7753-3** standard cross-section AVX 10

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
- Tension member:** high strength low elongation PE cords
- Body:** compression fatigue and heat resistant synthetic rubber
- Cross-section:** 10 x 8 mm (0,39" x 0,31")
- Use:** automotive drives

Part Number	Designation	Le	Part Number	Designation	Le	Part Number	Designation	Le
		mm			mm			mm
60.10AVX0545	10AVX 545	545	60.10AVX0908	10AVX 908	908	60.10AVX1265	10AVX 1265	1265
60.10AVX0553	10AVX 553	553	60.10AVX0915	10AVX 915	915	60.10AVX1275	10AVX 1275	1275
60.10AVX0590	10AVX 590	590	60.10AVX0925	10AVX 925	925	60.10AVX1300	10AVX 1300	1300
60.10AVX0600	10AVX 600	600	60.10AVX0940	10AVX 940	940	60.10AVX1310	10AVX 1310	1310
60.10AVX0610	10AVX 610	610	60.10AVX0950	10AVX 950	950	60.10AVX1335	10AVX 1335	1335
60.10AVX0617	10AVX 617	617	60.10AVX0960	10AVX 960	960	60.10AVX1375	10AVX 1375	1375
60.10AVX0625	10AVX 625	625	60.10AVX0965	10AVX 965	965	60.10AVX1400	10AVX 1400	1400
60.10AVX0636	10AVX 636	636	60.10AVX0975	10AVX 975	975	60.10AVX1500	10AVX 1500	1500
60.10AVX0653	10AVX 653	653	60.10AVX0980	10AVX 980	980	60.10AVX1510	10AVX 1510	1510
60.10AVX0665	10AVX 665	665	60.10AVX0990	10AVX 990	990	60.10AVX1530	10AVX 1530	1530
60.10AVX0675	10AVX 675	675	60.10AVX1000	10AVX 1000	1000	60.10AVX1550	10AVX 1550	1550
60.10AVX0683	10AVX 683	683	60.10AVX1005	10AVX 1005	1005	60.10AVX1785	10AVX 1785	1785
60.10AVX0700	10AVX 700	700	60.10AVX1010	10AVX 1010	1010	60.10AVX1950	10AVX 1950	1950
60.10AVX0710	10AVX 710	710	60.10AVX1018	10AVX 1018	1018	60.10AVX2050	10AVX 2050	2050
60.10AVX0725	10AVX 725	725	60.10AVX1020	10AVX 1020	1020	60.10AVX2100	10AVX 2100	2100
60.10AVX0735	10AVX 735	735	60.10AVX1030	10AVX 1030	1030			
60.10AVX0740	10AVX 740	740	60.10AVX1050	10AVX 1050	1050			
60.10AVX0750	10AVX 750	750	60.10AVX1062	10AVX 1062	1062			
60.10AVX0760	10AVX 760	760	60.10AVX1075	10AVX 1075	1075			
60.10AVX0765	10AVX 765	765	60.10AVX1083	10AVX 1083	1083			
60.10AVX0778	10AVX 778	778	60.10AVX1090	10AVX 1090	1090			
60.10AVX0785	10AVX 785	785	60.10AVX1100	10AVX 1100	1100			
60.10AVX0791	10AVX 791	791	60.10AVX1125	10AVX 1125	1125			
60.10AVX0800	10AVX 800	800	60.10AVX1145	10AVX 1145	1145			
60.10AVX0803	10AVX 803	803	60.10AVX1168	10AVX 1168	1168			
60.10AVX0813	10AVX 813	813	60.10AVX1175	10AVX 1175	1175			
60.10AVX0820	10AVX 820	820	60.10AVX1181	10AVX 1181	1181			
60.10AVX0825	10AVX 825	825	60.10AVX1200	10AVX 1200	1200			
60.10AVX0830	10AVX 830	830	60.10AVX1210	10AVX 1210	1210			
60.10AVX0835	10AVX 835	835	60.10AVX1225	10AVX 1225	1225			
60.10AVX0850	10AVX 850	850	60.10AVX1230	10AVX 1230	1230			
60.10AVX0865	10AVX 865	865	60.10AVX1235	10AVX 1235	1235			
60.10AVX0875	10AVX 875	875	60.10AVX1240	10AVX 1240	1240			
60.10AVX0888	10AVX 888	888	60.10AVX1254	10AVX 1254	1254			
60.10AVX0900	10AVX 900	900	60.10AVX1260	10AVX 1260	1260			

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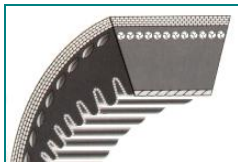
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Balflex® Automotive V-Belts



Balflex® Autoplus V-Belt type 13AVX – 60.13AVX

narrow 13 x 9 mm raw-edge cogged V-belts for power transmission



According to **DIN 7753-3** standard cross-section AVX 13

- Cover:** bias-cut fabric impregnated with abrasion resistant synthetic rubber
- Tension member:** high strength low elongation PE cords
- Body:** compression fatigue and heat resistant synthetic rubber
- Cross-section:** 13 x 9 mm (0,51" x 0,35")
- Use:** automotive drives

Part Number	Designation	Le	Part Number	Designation	Le
		mm			mm
60.13AVX0725	13AVX 725	725	60.13AVX1285	13AVX 1285	1285
60.13AVX0750	13AVX 750	750	60.13AVX1300	13AVX 1300	1300
60.13AVX0780	13AVX 780	780	60.13AVX1312	13AVX 1312	1312
60.13AVX0800	13AVX 800	800	60.13AVX1330	13AVX 1330	1330
60.13AVX0818	13AVX 818	818	60.13AVX1343	13AVX 1343	1343
60.13AVX0825	13AVX 825	825	60.13AVX1350	13AVX 1350	1350
60.13AVX0835	13AVX 835	835	60.13AVX1370	13AVX 1370	1370
60.13AVX0850	13AVX 850	850	60.13AVX1405	13AVX 1405	1405
60.13AVX0875	13AVX 875	875	60.13AVX1420	13AVX 1420	1420
60.13AVX0890	13AVX 890	890	60.13AVX1437	13AVX 1437	1437
60.13AVX0903	13AVX 903	903	60.13AVX1450	13AVX 1450	1450
60.13AVX0915	13AVX 915	915	60.13AVX1475	13AVX 1475	1475
60.13AVX0925	13AVX 925	925	60.13AVX1500	13AVX 1500	1500
60.13AVX0950	13AVX 950	950	60.13AVX1515	13AVX 1515	1515
60.13AVX0975	13AVX 975	975	60.13AVX1525	13AVX 1525	1525
60.13AVX0990	13AVX 990	990	60.13AVX1550	13AVX 1550	1550
60.13AVX1005	13AVX 1005	1005	60.13AVX1575	13AVX 1575	1575
60.13AVX1015	13AVX 1015	1015	60.13AVX1600	13AVX 1600	1600
60.13AVX1025	13AVX 1025	1025	60.13AVX1625	13AVX 1625	1625
60.13AVX1035	13AVX 1035	1035	60.13AVX1650	13AVX 1650	1650
60.13AVX1055	13AVX 1055	1055	60.13AVX1675	13AVX 1675	1675
60.13AVX1063	13AVX 1063	1063	60.13AVX1690	13AVX 1690	1690
60.13AVX1077	13AVX 1077	1077	60.13AVX1725	13AVX 1725	1725
60.13AVX1098	13AVX 1098	1098	60.13AVX1737	13AVX 1737	1737
60.13AVX1110	13AVX 1110	1110	60.13AVX1750	13AVX 1750	1750
60.13AVX1125	13AVX 1125	1125	60.13AVX1825	13AVX 1825	1825
60.13AVX1137	13AVX 1137	1137	60.13AVX1880	13AVX 1880	1880
60.13AVX1145	13AVX 1145	1145	60.13AVX1905	13AVX 1905	1905
60.13AVX1160	13AVX 1160	1160	60.13AVX1950	13AVX 1950	1950
60.13AVX1180	13AVX 1180	1180	60.13AVX2018	13AVX 2018	2018
60.13AVX1196	13AVX 1196	1196	60.13AVX2350	13AVX 2350	2350
60.13AVX1225	13AVX 1225	1225			
60.13AVX1253	13AVX 1253	1253			
60.13AVX1262	13AVX 1262	1262			
60.13AVX1280	13AVX 1280	1280			

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