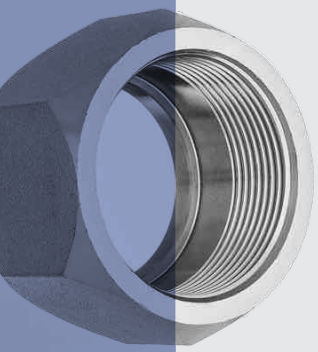
Balflex®

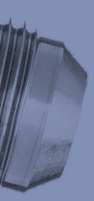












BALFLEX ADAPTERS CATALOG

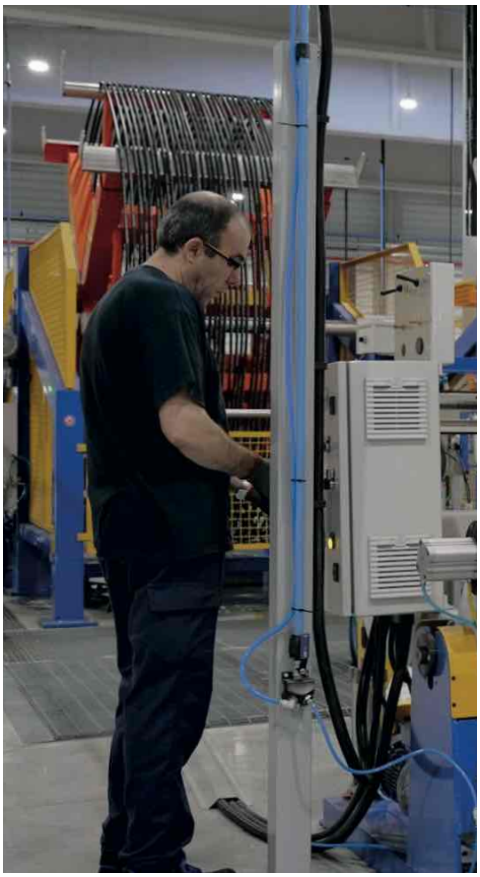
European Technology

Established since 1963, **Balflex®** *is a European international group of companies dedicated to the design, production, assembly and distribution of all types of high-tech products for conduction of fluids, measuring of pressure and power transmission at very high quality level.*

6 decades of know-how and expertise in this field, makes **Balflex®** *the first choice for the mining, agriculture, off-shore and construction industries.*

Today the **Balflex®** *Group covers worldwide users through our own company´s production facilities, branches and net of certified distributors.*

Balflex® *valorizes the inside meaning of the words we use:* ***Excellence*** *the quality of being outstanding;* ***Innovation*** *the action or process of innovating;* ***Partnership*** *cooperation relationship between two or more people, having in mind a common goal;* ***Tradition*** *way of thinking or acting, inherited from previous generations.*




Balflex
Portugal Hose Plant








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BALFLEX



Quality

Quality is very important for us. We have fully equipped, modern laboratories and equipment, employing the industries most experienced personnel.

Balflex® has earned various certifications for our Management Systems and Products. This reliable and consistent approach has allowed us to achieve our ISO 9001:2015 certification. At **Balflex**® quality and service always comes first. We are dedicated to continue the development of new products with a strong emphasis on quality.

Member of:

Certified by:



DNV

MANAGEMENT SYSTEM CERTIFICATE

This is to certify that the management system of
BALFLEX PORTUGAL - Componentes Hidráulicos e Industriais, S.A.
Rua Bouça dos Estilhadouros 226/254, Zona Industrial Alto de Vilar, 4445-044, Alfena, Porto, Portugal

has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:
Manufacture, assembly and distribution of hydraulic and industrial hoses, connectors and v-belts.

Place and date:
Barcelona, 21 November 2022

For the issuing office:
DNV - Business Assurance
Gran Via de les Corts Catalanes 130-136, Pl. 9, 08038, Barcelona, Spain

Jose del Rio Delgado
Management Representative

DNV

MANAGEMENT SYSTEM CERTIFICATE

This is to certify that the management system of
BALFLEX BRASIL LTDA
Rua Padre Cesari Lelli, 1014, 83420-000, Quatro Barras, PR, Brazil

has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:
Manufacture and distribution of hydraulic and industrial PVC hoses, with braided and spiral reinforcement. Distribution of hydraulic and industrial rubber hoses.

Place and date:
São Paulo, 11 April 2022

For the issuing office:
DNV - Business Assurance
Av. Adolfo Pinguelo de Souza Aranha, 100 - Bloco A - Jardim Santa Cruzeiro. 06726-175. São Paulo. SP. Brasil.

Mauricio Venturin
Management Representative

Index

BALFIT 24° COMPRESSION RING HYDRAULIC PIPE FITTINGS 6

SEAMLESS TUBE 68

ADAPTERS SERIES 35 72

ADAPTERS SERIES 36 128

ADAPTERS SERIES 52/53 162

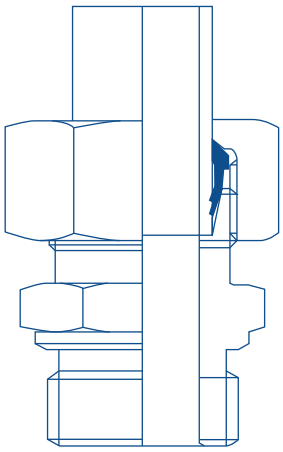
Balfit 24° Compression Ring Hydraulic Pipe Fittings





Balfit 24° Compression Ring Hydraulic 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.*



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 NPTFF 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:

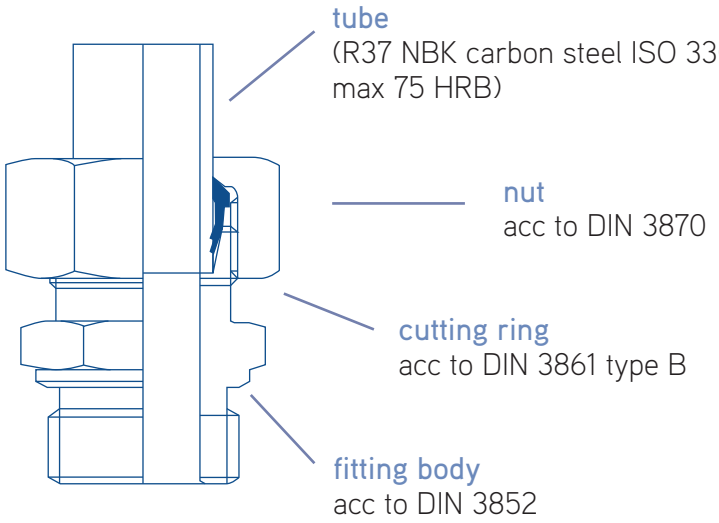
- **metric parallel**
- **BSP parallel** and **taper** threads
- **NPTFF** threads
- UNF threads

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 rube 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:

a) 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.

b) All contact parts (e.g. the 24˚ cone, the threads and the ring) must be lubricated with an adequate product.

c) 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.

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:

a) 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.

b) 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).

c) 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:

a) 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 11/2 turns with two wrenches.

b) 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).

c) 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.

Pressure classes for Balfit® compression ring fittings follow ISO and DIN standards classification in

- 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.

Hose Fittings Pressure Ratings

For each type of fitting there is a maximum working pressure recommended in table below. Whenever information is not available, contact the manufacturer.

Inch Fittings (size) Maximum Working pressure (MPa/psi) – safety factor 4:1													
Description	**Part Number**	-2	-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32
NPTF Male	XX.0400 XX.0410 XX.0490	34.5 5000		27.6 4000		20.7 3000	20.7 3000		17.2 2500	13.8 2000	7.9 1150	6.9 1000	6.9 1000
BSP Male	XX.0100	42.0 6090		45.0 6525		40.0 5800	40.0 5800	40.0 5800	38.0 5510	34.5 5003	24.0 3480	21.0 3045	17.2 2494

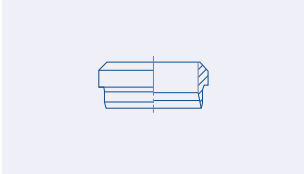
Metric Tube (mm) – Light Serie "L" Maximum Working pressure (MPa/psi) – safety factor 4:1											
Description	**Part Number**	6	8	10	12	15	18	22	28	35	42
Metric Male	XX.1000	25.0 3625	25.0 3625	25.0 3625	25.0 3625	25.0 3625	16.0 2320	16.0 2320	10.0 1450	10.0 1450	10.0 1450
Metric Swivel Female with O-ring	XX.5013 XX.5043 XX.5093	25.0 3625	25.0 3625	25.0 3625	25.0 3625	25.0 3625	16.0 2320	16.0 2320	10.0 1450	10.0 1450	10.0 1450

Metric Tube (mm) – Heavy Serie "S" Maximum Working pressure (MPa/psi) – safety factor 4:1											
Description	**Part Number**	6	8	10	12	14	16	20	25	30	38
Metric Male	XX.1100	63.0 9135	63.0 9135	63.0 9135	63.0 9135	63.0 9135	40.0 5800	40.0 5800	40.0 5800	25.0 3625	25.0 3625
Metric Swivel Female with O-ring	XX.5113 XX.5143 XX.5193	63.0 9135	63.0 9135	63.0 9135	63.0 9135	63.0 9135	40.0 5800	40.0 5800	40.0 5800	25.0 3625	25.0 3625

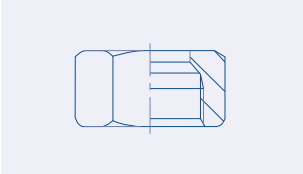
The Working Pressure of the hose assembly shall be the lower of the pressures given for its sizes in the fittings standards and in the the relevant hose specification.

Balflex assumes no liability for typographical errors or other errors.
For any precise technical information you must always contact our technical department. Dimensions and Data shown may be changed without notice.

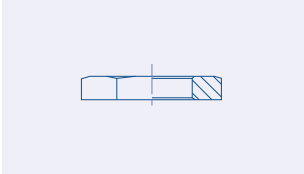
Nut, Ring & Locknut



24º Double Edge Compression Ring
34.101 pag. 15



Tightening Nut
34.102 pag. 16



Metric Bulkhead Nut
34.179 pag. 17

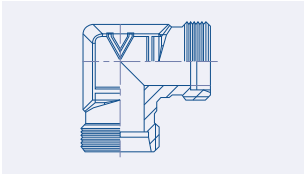
Tube to Tube



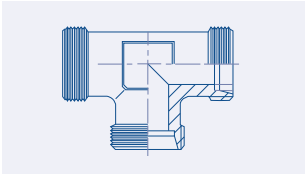
Straight Union Tube Connector
34.135 pag. 18



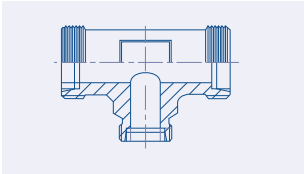
Straight Reducing Union Tube Connector
34.141 pag. 19



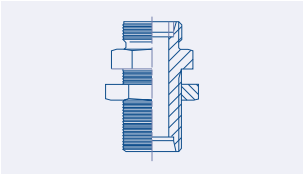
90º Elbow Union Tube Connector
34.138 pag. 20



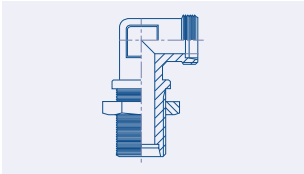
Tee Union Tube Connector
34.139 pag. 21



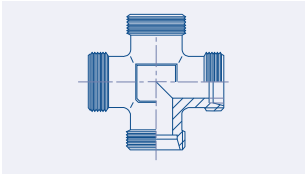
Tee Reducing Union Tube Connector
34.145 pag. 22



Straight Bulkhead Union Tube Connector
34.136 pag. 24

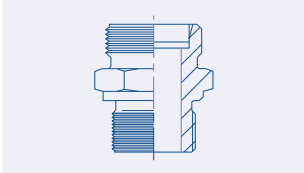


90º Elbow Bulkhead Union Tube Connector
34.137 pag. 25

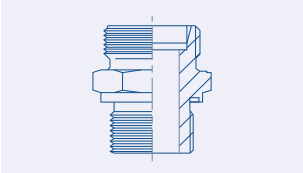


Cross Union Tube Connector
34.140 pag. 26

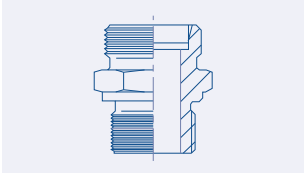
Male Stud Tube Connectors



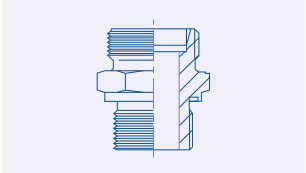
BSP Parallel Male Tube Connector
34.103 pag. 27



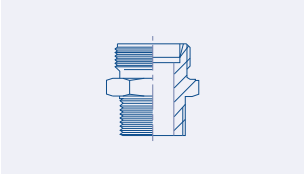
BSP Parallel Male Tube Connector with Elastomeric Seal
34.105 pag. 29



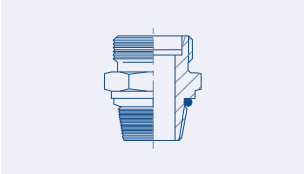
Metric Male Tube Connector
34.104 pag. 31



Metric Male Tube Connector with Elastomeric Seal
34.106 pag. 32



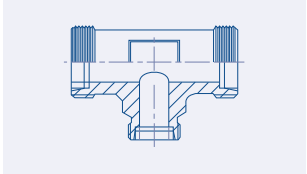
BSPT Tapered Male Tube Connector
34.117 pag. 33



NPTF Male Tube Connector
34.118 pag. 34

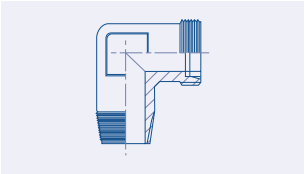


UNF Male Tube Connector
34.161 pag. 36

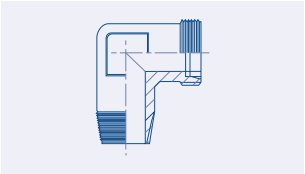


Swivel Reducing Tube Connector
34.153 pag. 37

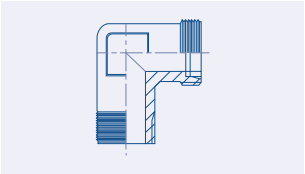
Elbow Male Tube Connectors



BSPT Tapered 90º Elbow Male Tube Connector
34.120 pag. 39

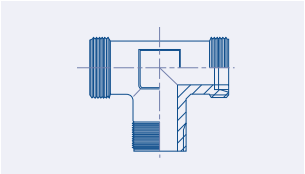


NPTF Tapered 90º Elbow Male Tube Connector
34.121 pag. 40

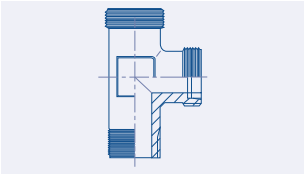


Metric 90º Elbow Male Tube Connector
34.124 pag. 41

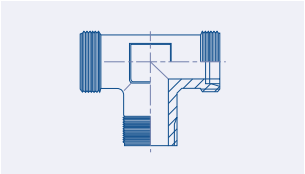
Tee Tube Connectors



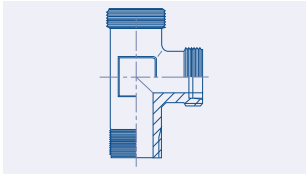
BSPT Male Tapered Branch Tee Tube Connector
34.125 pag. 42



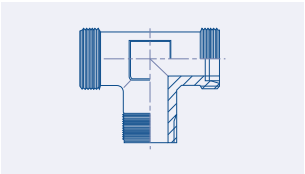
BSPT Male Tapered Run Tee Tube Connector
34.130 pag. 43



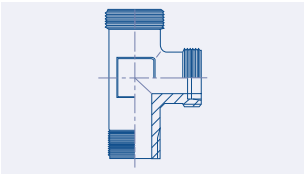
Metric Male Branch Tee Tube Connector
34.129 pag. 44



Metric Male Run Tee Tube Connector
34.134 pag. 45

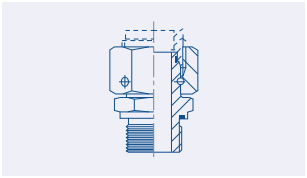


NPTF Male Branch Tee Tube Connector
34.126 pag. 46

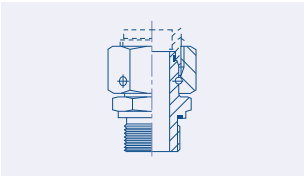


NPTF Male Run Tee Tube Connector
34.127 pag. 47

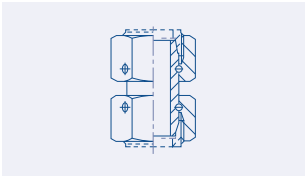
Swivel Tube Connectors



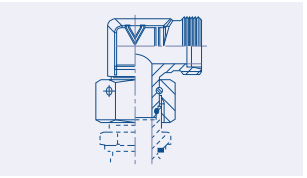
BSP Male Swivel Tube Connector
34.605 pag. 48



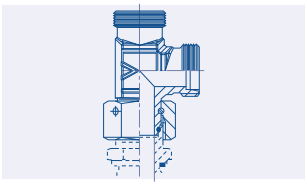
Metric Male Swivel Tube Connector
34.606 pag. 49



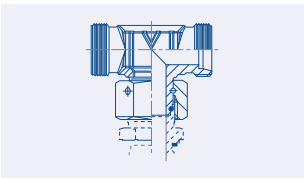
Metric Swivel Tube Connector
34.635 pag. 50



Swivel 90º Elbow Adjustable Tube Connector
34.642 pag. 51

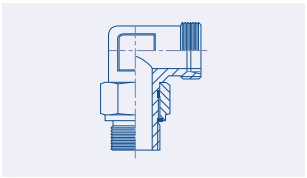


Swivel Run Tee Adjustable Tube Connector
34.646 pag. 52

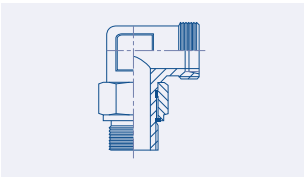


Swivel Branch Tee Adjustable Tube Connector
34.150 pag. 53

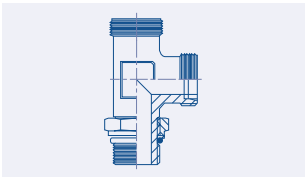
Adjustable Tube Connectors



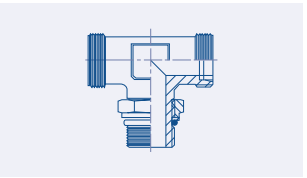
BSP Male Ajustable 90º Elbow Tube Connector
34.143 pag. 54



Metric Male Ajustable 90º Elbow Tube Connector
34.144 pag. 55

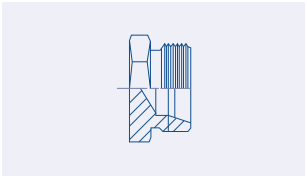


Metric Male Run Tee Tube Connector
34.148 pag. 56

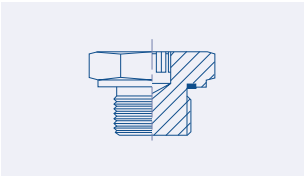


Metric Male Branch Tee Tube Connector
34.152 pag. 57

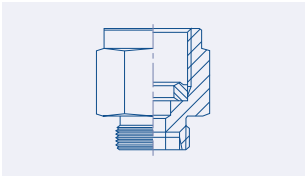
Plugs



Tube Blanking Screw
34.175
pag. 58

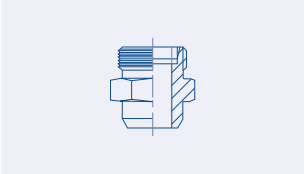


Metric Plug with Hexagon Socket
34.177 pag. 59

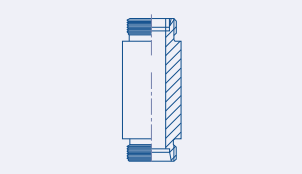


BSP Gauge Tube Connector
34.159 pag. 59

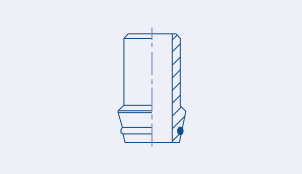
Welding Tube Connectors



Straight Welding Tube Connector
34.155 pag. 60



Bulkhead Welding Tube Connector
34.156 pag. 61

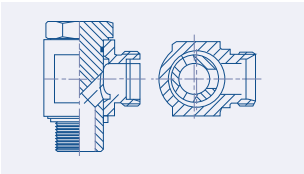


Welding Nipple with O-Ring
34.157 pag. 62

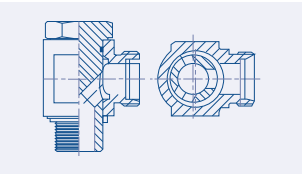


Blanking Nipple
34.158 pag. 63

Banjo Tube Connectors

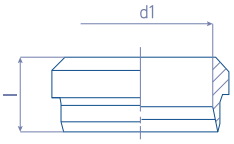


BSP Banjo Tube Connector
34.113 pag. 64



Metric Banjo Tube Connector
34.114 pag. 65

24° Double Edge Compression Ring



34.101

ISO 8434-1 Cutting Ring

REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (mm) l
34.101.06LS	L/S	**6**	9.5
34.101.08LS	L/S	**8**	9.5
34.101.10LS	L/S	**10**	10.0
34.101.12LS	L/S	**12**	10.0
34.101.15L	L	**15**	10.0
34.101.18L	L	**18**	10.0
34.101.22L	L	**22**	10.5
34.101.28L	L	**28**	11.0
34.101.35L	L	**35**	13.0
34.101.42L	L	**42**	13.0
34.101.14S	S	**14**	10.0
34.101.16S	S	**16**	10.5
34.101.20S	S	**20**	12.0
34.101.25S	S	**25**	12.0
34.101.30S	S	**30**	13.0
34.101.38S	S	**38**	13.0

MATERIAL: Carbon Steel

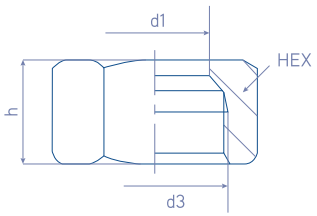
FINISH: : Chromium-(VI) Free plating with Finigard® protective coating

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Balflex®

Tightening Nut



34.102.

ISO 8434-1 Nut

REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (mm) H	d3	HEX
34.102.06L	L	6	14.5	12x1.5	14
34.102.08L	L	8	14.5	14x1.5	17
34.102.10L	L	10	15.5	16x1.5	19
34.102.12L	L	12	15.5	18x1.5	22
34.102.15L	L	15	17.0	22x1.5	27
34.102.18L	L	18	18.0	26x1.5	32
34.102.22L	L	22	20.0	30x2.0	36
34.102.28L	L	28	21.0	36x2.0	41
34.102.35L	L	35	24.0	45x2.0	50
34.102.42L	L	42	24.0	52x2.0	60
34.102.06S	S	6	16.5	14x1.5	17
34.102.08S	S	8	16.5	16x1.5	19
34.102.10S	S	10	17.5	18x1.5	22
34.102.12S	S	12	17.5	20x1.5	24
34.102.14S	S	14	20.5	22x1.5	27
34.102.16S	S	16	20.5	24x1.5	30
34.102.20S	S	20	24	30x2	36
34.102.25S	S	25	27	36x2	46
34.102.30S	S	30	29	42x2	50
34.102.38S	S	38	32.5	52x2	60

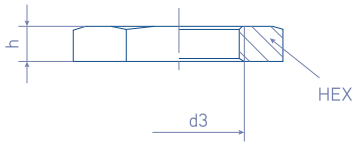
MATERIAL: Carbon Steel

FINISH: : Chromium-(VI) Free plating

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Metric Bulkhead Nut



34.179.

ISO 8434-1 nut

REFERENCE	dimensions (mm)		
	d3	h	HEX
34.179.M12	M12x1.5	6.0	17
34.179.M14	M14x1.5	6.0	19
34.179.M16	M16x1.5	6.0	22
34.179.M18	M18x1.5	6.0	24
34.179.M20	M22x1.5	6.0	27
34.179.M22	M22x1.5	7.0	30
34.179.M24	M24x1.5	7.0	32
34.179.M26	M26x1.5	8.0	36
34.179.M30	M30x2.0	8.0	41
34.179.M36	M36x2.0	9.0	46
34.179.M42	M42x2.0	9.0	50
34.179.M45	M45x2.0	9.0	55
34.179.M52	M52x2.0	10.0	65

MATERIAL: Carbon Steel

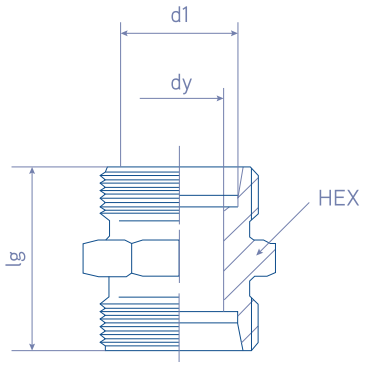
FINISH: : Chromium-(VI) Free plating

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Balflex®

Straight Union Tube Connector



34.135.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)			
		Ø tube d1	dy	lg	HEX
34.135.06L	L	6	4	24.0	12
34.135.08L	L	8	6	25.0	14
34.135.10L	L	10	8	27.0	17
34.135.12L	L	12	10	28.0	19
34.135.15L	L	15	12	30.0	24
34.135.18L	L	18	15	31.0	27
34.135.22L	L	22	19	35.0	32
34.135.28L	L	28	24	36.0	41
34.135.35L	L	35	30	41.0	46
34.135.42L	L	42	36	43.0	55
34.135.06S	S	6	4	30.0	14
34.135.08S	S	8	5	32.0	17
34.135.10S	S	10	7	32.0	19
34.135.12S	S	12	8	34.0	22
34.135.14S	S	14	10	38.0	24
34.135.16S	S	16	12	38.0	27
34.135.20S	S	20	16	44.0	32
34.135.25S	S	25	20	50.0	41
34.135.30S	S	30	25	54.0	46
34.135.38S	S	38	32	61.0	55

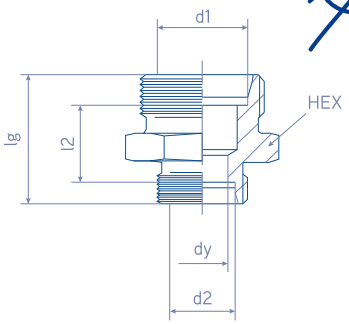
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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For any precise technical information you must always contact our technical department. Dimensions and Data shown may be changed without notice.

Straight Reducing Union Tube Connector



34.141.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (mm) Ø tube d2	dimensions (mm) dy	lg	l2	HEX
34.141.0806L	L	8	6	4	25.0	11.0	14
34.141.1006L	L	10	6	4	26.0	12.0	17
34.141.1008L	L	10	8	6	26.0	12.0	17
34.141.1206L	L	12	6	4	27.0	13.0	19
34.141.1208L	L	12	8	6	27.0	13.0	19
34.141.1210L	L	12	10	8	28.0	14.0	19
34.141.1510L	L	15	10	8	29.0	15.0	24
34.141.1512L	L	15	12	10	29.0	15.0	24
34.141.1810L	L	18	10	8	30.0	15.5	27
34.141.1812L	L	18	12	10	30.0	15.5	27
34.141.1815L	L	18	15	12	31.0	16.5	27
34.141.2215L	L	22	15	12	33.0	18.5	32
34.141.2218L	L	22	18	15	33.0	18.0	32
34.141.2818L	L	28	18	15	34.0	19.0	41
34.141.2822L	L	28	22	19	36.0	21.0	41
34.141.3522L	L	35	22	19	39.0	21.0	46
34.141.3528L	L	35	28	24	39.0	21.0	46
35.141.4228L	L	42	28	24	41.0	22.5	55
35.141.4235L	L	42	35	30	43.0	21.5	55
34.141.0806S	S	8	6	4	32.0	18.0	17
34.141.1006S	S	10	6	4	32.0	17.5	19
34.141.1008S	S	10	8	8	32.0	17.5	19
34.141.1206S	S	12	6	4	34.0	19.5	22
34.141.1208S	S	12	8	5	34.0	19.5	22
34.141.1210S	S	12	10	7	34.0	19.0	22
34.141.1410S	S	14	10	7	36.0	20.5	24
34.141.1412S	S	14	12	8	36.0	20.5	24
34.141.1612S	S	16	12	8	36.0	20.0	27
34.141.1614S	S	16	14	10	38.0	21.5	27
34.141.2010S	S	20	10	7	40.0	22.0	32
34.141.2012S	S	20	12	8	40.0	22.0	32
34.141.2016S	S	20	16	12	42.0	23.0	32
34.141.2516S	S	25	16	12	47.0	26.5	41
34.141.2520S	S	25	20	16	48.0	25.5	41
34.141.3020S	S	30	20	16	50.0	26.0	46
34.141.3025S	S	30	25	20	52.0	26.5	46
34.141.3830S	S	38	30	25	59.0	29.5	55

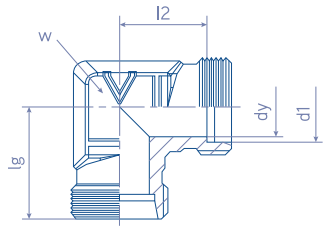
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Balflex®

90º Elbow Union Tube Connector



34.138.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)				
		Ø tube d1	dy	lg	l2	w
34.138.06L	L	6	4	19.0	12.0	12
34.138.08L	L	8	6	21.0	14.0	14
34.138.10L	L	10	8	22.0	15.0	17
34.138.12L	L	12	10	24.0	17.0	19
34.138.15L	L	15	12	28.0	21.0	19
34.138.18L	L	18	15	31.0	23.5	24
34.138.22L	L	22	19	35.0	27.5	27
34.138.28L	L	28	24	38.0	30.5	36
34.138.35L	L	35	30	45.0	34.5	41
34.138.42L	L	42	36	51.0	40.0	50
34.138.06S	S	6	4	23.0	16.0	14
34.138.08S	S	8	5	24.0	17.0	17
34.138.10S	S	10	7	25.0	17.5	19
34.138.12S	S	12	8	29.0	21.5	22
34.138.14S	S	14	10	30.0	22.0	19
34.138.16S	S	16	12	33.0	24.5	24
34.138.20S	S	20	16	37.0	26.5	27
34.138.25S	S	25	20	42.0	30.0	36
34.138.30S	S	30	25	49.0	35.5	41
34.138.38S	S	38	32	57.0	41.0	50

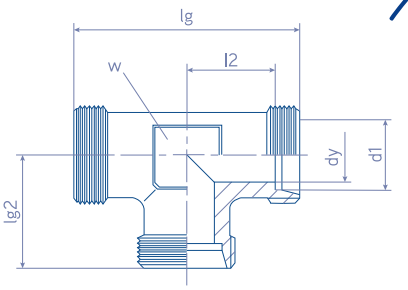
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Tee Union Tube Connector



34.139.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)					
		Ø tube d1	dy	lg	lg2	l2	w
34.139.06L	L	6	4	38.0	19.0	12.0	12
34.139.08L	L	8	6	42.0	21.0	14.0	14
34.139.10L	L	10	8	44.0	22.0	15.0	17
34.139.12L	L	12	10	48.0	24.0	17.0	19
34.139.15L	L	15	12	56.0	28.0	21.0	19
34.139.18L	L	18	15	62.0	31.0	23.5	24
34.139.22L	L	22	19	70.0	35.0	27.5	27
34.139.28L	L	28	24	76.0	38.0	30.5	36
34.139.35L	L	35	30	90.0	45.0	34.5	41
34.139.42L	L	42	36	102.0	51.0	40.0	50
34.139.06S	S	6	4	46.0	23.0	16.0	14
34.139.08S	S	8	5	48.0	24.0	17.0	17
34.139.10S	S	10	7	50.0	25.0	17.5	19
34.139.12S	S	12	8	58.0	29.0	21.5	22
34.139.14S	S	14	10	60.0	30.0	22.0	19
34.139.16S	S	16	12	66.0	33.0	24.5	24
34.139.20S	S	20	16	74.0	37.0	26.5	27
34.139.25S	S	25	20	84.0	42.0	30.0	36
34.139.30S	S	30	25	98.0	49.0	35.5	41
34.139.38S	S	38	32	114.0	57.0	41.0	50

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

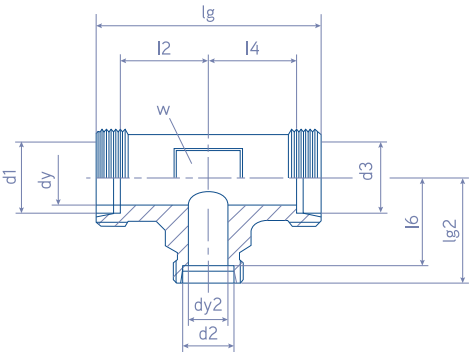
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Balflex®

Tee Reducing Union Tube Connector



34.145.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)										
		Ø tube d1	Ø tube d1	Ø tube d1	dy	dy2	lg	lg2	l2	l4	l6	w
34.145.0806L	L	6	8	6	4.0	6.0	42.0	21.0	14.0	14.0	14.0	14
34.145.1006L	L	6	10	6	4.0	8.0	44.0	22.0	15.0	15.0	15.0	17
34.145.0608L	L	8	6	8	6.0	4.0	42.0	21.0	14.0	14.0	14.0	14
34.145.1008L	L	8	10	8	6.0	8.0	44.0	22.0	15.0	15.0	15.0	17
34.145.1208L	L	8	12	8	6.0	10.0	48.0	24.0	17.0	17.0	17.0	19
34.145.0610L	L	10	6	10	8.0	4.0	44.0	22.0	15.0	15.0	15.0	17
34.145.0810L	L	10	8	10	8.0	6.0	44.0	22.0	15.0	15.0	15.0	17
34.145.1210L	L	10	12	10	8.0	10.0	48.0	24.0	17.0	17.0	17.0	19
34.145.1510L	L	10	15	10	8.0	11.0	56.0	28.0	21.0	21.0	21.0	19
34.145.0612L	L	12	6	12	10.0	4.0	48.0	24.0	17.0	17.0	17.0	19
34.145.0812L	L	12	8	12	10.0	6.0	48.0	24.0	17.0	17.0	17.0	19
34.145.1012L	L	12	10	12	10.0	8.0	48.0	24.0	217.0	17.0	17.0	19
34.145.1512L	L	12	15	12	10.0	12.0	56.0	28.0	21.0	21.0	21.0	19
34.145.1812L	L	12	18	12	10.0	15.0	62.0	31.0	24.0	24.0	24.0	24
34.145.2212L	L	12	22	12	10.0	19.0	70.0	35.0	28.0	28.0	28.0	27
34.145.1015L	L	15	10	15	12.0	8.0	56.0	28.0	21.0	21.0	21.0	19
34.145.1215L	L	15	12	15	12.0	10.0	56.0	28.0	21.0	21.0	21.0	19
34.145.1815L	L	15	18	15	12.0	15.0	62.0	31.0	24.0	24.0	24.0	24
34.145.2215L	L	15	22	15	12.0	19.0	70.0	35.0	28.0	28.0	27.5	27
34.145.1018L	L	18	10	18	15.0	8.0	62.0	31.0	23.5	23.5	24.0	24
34.145.1218L	L	18	12	18	15.0	10.0	62.0	31.0	23.5	23.5	24.0	24
34.145.1518L	L	18	15	18	15.0	12.0	62.0	31.0	23.5	23.5	24.0	24
34.145.2218L	L	18	22	18	15.0	19.0	70.0	35.0	27.5	27.5	27.5	27
34.145.1222L	L	22	12	22	19.0	10.0	70.0	35.0	27.5	27.5	28.0	27
34.145.1522L	L	22	15	22	19.0	12.0	70.0	35.0	27.5	27.5	28.0	27
34.145.1822L	L	22	18	22	19.0	15.0	70.0	35.0	27.5	27.5	27.5	27
34.145.2822L	L	22	28	22	19.0	24.0	76.0	38.0	30.5	30.5	30.5	36
34.145.1528L	L	28	15	28	24.0	12.0	76.0	38.0	30.5	30.5	31.0	36
34.145.1828L	L	28	18	28	24.0	15.0	76.0	38.0	30.5	30.5	30.5	36
34.145.2228L	L	28	22	28	24.0	19.0	76.0	38.0	30.5	30.5	30.5	36

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REFERENCE	serie	dimensions (mm)										
		Ø tube d1	Ø tube d1	Ø tube d1	dy	dy2	lg	lg2	l2	l4	l6	w
34.145.3528L	L	28	35	28	24.0	30.0	90.0	45.0	37.5	37.5	34.5	41
34.145.4228L	L	28	42	28	24.0	36.0	102.0	51.0	43.5	43.5	40.0	50
34.145.3835L	L	35	28	35	30.0	24.0	90.0	45.0	34.5	34.5	37.5	41
34.145.4235L	L	35	42	35	30.0	36.0	102.0	51.0	40.5	40.5	40.0	50
34.145.2242L	L	42	22	42	36.0	19.0	102.0	51.0	40.0	40.0	43.5	50
34.145.2842L	L	42	28	42	36.0	24.0	102.0	51.0	40.0	40.0	43.5	50
34.145.0610S	S	10	6	10	7.0	4.0	50.0	25.0	17.5	17.5	18.0	19
34.145.0812S	S	12	8	12	8.0	5.0	58.0	29.0	21.5	21.5	22.0	22
34.145.1012S	S	12	10	12	8.0	7.0	58.0	19.0	21.5	21.5	21.5	22
34.145.1612S	S	12	16	12	8.0	12.0	66.0	33.0	24.5	24.5	24.5	24
34.145.0816S	S	16	8	16	12.0	5.0	66.0	33.0	24.5	24.5	26.0	24
34.145.1016S	S	16	10	16	12.0	7.0	66.0	33.0	24.5	24.5	25.5	24
34.145.1216S	S	16	12	16	12.0	8.0	66.0	33.0	24.5	24.5	25.5	24
34.145.2016S	S	16	20	16	12.0	16.0	74.0	37.0	28.5	28.5	26.5	27
34.145.1020S	S	20	10	20	16.0	7.0	74.0	37.0	26.5	26.5	29.5	27
34.145.1220S	S	20	12	20	16.0	8.0	74.0	37.0	26.5	26.5	29.5	27
34.145.1620S	S	20	16	20	16.0	12.0	74.0	37.0	26.5	26.5	28.5	27
34.145.2520S	S	20	25	20	16.0	20.0	84.0	42.0	31.5	31.5	30.0	36
34.145.1225S	S	25	12	25	20.0	8.0	84.0	42.0	30.0	30.0	34.5	36
34.145.1625S	S	25	16	25	20.0	12.0	84.0	42.0	30.0	30.0	33.5	36
34.145.1825S	S	25	18	25	20.0	15.0	84.0	42.0	30.0	30.0	34.5	36
34.145.2025S	S	25	20	25	20.0	16.0	84.0	42.0	30.0	30.0	31.5	36
34.145.3025S	S	25	30	25	20.0	25.0	98.0	49.0	37.0	37.0	35.5	41
34.145.1630S	S	30	16	30	25.0	12.0	98.0	49.0	35.5	35.5	40.5	41
34.145.2030S	S	30	20	30	25.0	16.0	98.0	49.0	35.5	35.5	38.5	41
34.145.1638S	S	38	16	38	32.0	12.0	114.0	57.0	41.0	41.0	48.5	50
34.145.2538S	S	38	25	38	32.0	20.0	114.0	57.0	41.0	41.0	45.0	50

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

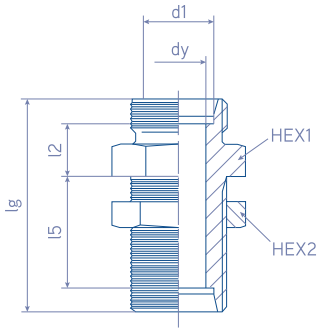
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Balflex®

Straight Bulkhead Union Tube Connector



34.136.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)						
		Ø tube d1	dy	lg	l2	l5	HEX 1	HEX 2
34.136.06L M12	L	6	4	48.0	7.0	27.0	17	17
34.136.08L M14	L	8	6	49.0	8.0	27.0	19	19
34.136.10L M16	L	10	8	52.0	10.0	28.0	22	22
34.136.12L M18	L	12	10	53.0	10.0	29.0	24	24
34.136.15L M22	L	15	12	57.0	12.0	31.0	27	27
34.136.18L M26	L	18	15	61.0	13.5	32.5	32	32
34.136.22L M30	L	22	19	66.0	16.5	34.5	36	36
34.136.28L M36	L	28	24	69.0	18.5	35.5	41	41
34.136.35L M45	L	35	30	76.0	18.5	36.5	50	50
34.136.42L M52	L	42	36	77.0	19.0	36.0	60	60
34.136.06S M14	S	6	4	55.0	12.0	29.0	19	19
34.136.08S M16	S	8	5	56.0	13.0	29.0	22	22
34.136.10S M18	S	10	7	59.0	14.5	29.5	24	24
34.136.12S M20	S	12	8	60.0	14.5	30.5	27	27
34.136.14S M22	S	14	10	65.0	17.0	32.0	30	30
34.136.16S M24	S	16	12	65.0	16.5	31.5	32	32
34.136.20S M30	S	20	16	72.0	17.5	33.5	41	41
34.136.25S M36	S	25	20	79.0	20.0	35.0	46	46
34.136.30S M42	S	30	25	86.0	21.5	37.5	50	50
34.136.38S M52	S	38	32	91.0	22.0	37.0	65	65

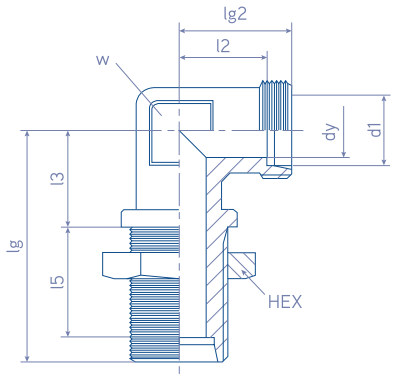
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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90º Elbow Bulkhead Union Tube Connector



34.137.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)								
		Ø tube d1	dy	lg	lg2	l2	l3	l5	W	HEX
34.137.06L	L	6	4	48.0	19.0	12.0	14.0	27.0	12	17
34.137.08L	L	8	6	51.0	21.0	14.0	17.0	27.0	12	19
34.137.10L	L	10	8	53.0	22.0	15.0	18.0	28.0	14	22
34.137.12L	L	12	10	56.0	24.0	17.0	20.0	29.0	17	24
34.137.15L	L	15	12	61.0	28.0	21.0	23.0	31.0	19	30
34.137.18L	L	18	15	64.0	31.0	23.5	24.0	32.5	24	36
34.137.22L	L	22	19	72.0	35.0	27.5	30.0	34.5	27	41
34.137.28L	L	28	24	77.0	38.0	30.5	34.0	35.5	36	46
34.137.35L	L	35	30	86.0	45.0	34.5	39.0	36.5	41	55
34.137.42L	L	42	36	90.0	51.0	40.0	43.0	36.0	50	65
34.137.06S	S	6	4	53.0	23.0	16.0	17.0	29.0	12	19
34.137.08S	S	8	5	54.0	24.0	17.0	18.0	29.0	14	22
34.137.10S	S	10	7	57.0	25.0	17.5	20.0	29.5	17	24
34.137.12S	S	12	8	59.0	29.0	21.5	21.0	30.5	17	27
34.137.14S	S	14	10	63.0	30.0	22.0	23.0	32.0	19	30
34.137.16S	S	16	12	64.0	33.0	24.5	24.0	31.5	24	32
34.137.20S	S	20	16	74.0	37.0	26.5	30.0	33.5	27	41
34.137.25S	S	25	20	81.0	42.0	30.0	34.0	35.0	36	46
34.137.30S	S	30	25	90.0	49.0	35.5	39.0	37.5	41	50
34.137.38S	S	38	32	96.0	57.0	41.0	43.0	37.0	50	65

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

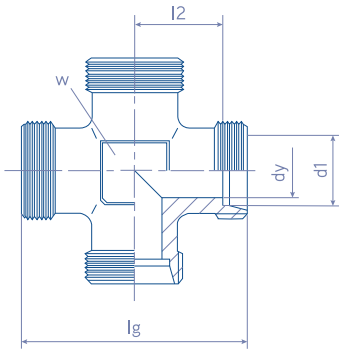
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Balflex®

Cross Union Tube Connector



34.140.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)				
		Ø tube d1	dy	lg	l2	w
34.140.06L	L	6	4.0	38.0	12.0	12
34.140.08L	L	8	6.0	42.0	14.0	12
34.140.10L	L	10	8.0	44.0	15.0	14
34.140.12L	L	12	10.0	48.0	17.0	17
34.140.15L	L	15	12.0	56.0	21.0	19
34.140.18L	L	18	15.0	62.0	23.5	24
34.140.22L	L	22	19.0	70.0	27.5	27
34.140.28L	L	28	24.0	76.0	30.5	36
34.140.35L	L	35	30.0	90.0	34.5	41
34.140.42L	L	42	36.0	102.0	40.0	50
34.140.06S	S	6	4.0	46.0	16.0	12
34.140.08S	S	8	5.0	48.0	17.0	14
34.140.10S	S	10	7.0	50.0	17.5	17
34.140.12S	S	12	8.0	58.0	21.5	17
34.140.14S	S	14	10.0	60.0	22.0	19
34.140.16S	S	16	12.0	66.0	24.5	24
34.140.20S	S	20	16.0	74.0	26.5	27
34.140.25S	S	25	20.0	84.0	30.0	36
34.140.30S	S	30	25.0	98.0	35.5	41
34.140.38S	S	38	32.0	114.0	41.0	50

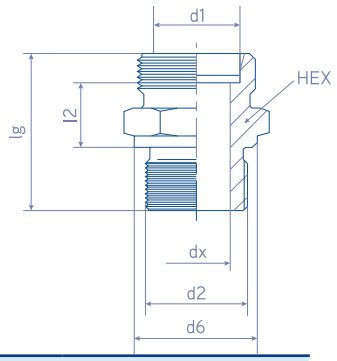
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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BSP Parallel Male Tube Connector



34.103.

ISO 8434-1 tube coupling and DIN ISO 1179-4 Form-B BSP Thread

REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (inch) thread d2	dimensions (mm) d6	dx	lg	l2	HEX
34.103.06LR02	L	6	1/8"	14	4	23.5	8.5	14
34.103.06LR04	L	6	1/4"	18	4	28.0	9.0	19
34.103.08LR02	L	8	1/8"	14	4	24.5	9.5	17
34.103.08LR04	L	8	1/4"	18	6	29.0	10.0	19
34.103.08LR06	L	8	3/8"	22	6	30.5	11.5	22
34.103.08LR08	L	8	1/2"	26	6	33.0	12.0	27
34.103.10LR02	L	10	1/8"	14	4	25.5	10.5	17
34.103.10LR04	L	10	1/4"	18	6	30.0	11.0	19
34.103.10LR06	L	10	3/8"	22	7	31.5	12.5	22
34.103.10LR08	L	10	1/2"	26	7	34.0	13.0	27
34.103.12LR04	L	12	1/4"	18	6	31.0	12.0	19
34.103.12LR06	L	12	3/8"	22	9	31.5	12.5	22
34.103.12LR08	L	12	1/2"	26	9	34.0	13.0	27
34.103.15LR06	L	15	3/8"	22	9	32.5	13.5	24
34.103.15LR08	L	15	1/2"	26	11	35.0	14.0	27
34.103.15LR12	L	15	3/4"	32	12	38.0	15.0	32
34.103.18LR08	L	18	1/2"	26	14	36.0	14.5	27
34.103.18LR12	L	18	3/4"	32	15	38.0	14.5	32
34.103.22LR08	L	22	1/2"	26	14	38.0	16.5	32
34.103.22LR12	L	22	3/4"	32	18	40.0	16.5	32
34.103.22LR16	L	22	1"	39	19	43.0	17.5	41
34.103.28LR12	L	28	3/4"	32	18	41.0	17.5	41
34.103.28LR16	L	28	1"	39	23	43.0	17.5	41
34.103.35LR16	L	35	1"	39	23	46.0	17.5	50
34.103.35LR20	L	35	1.1/4"	49	30	18.0	17.5	50
34.103.42LR20	L	42	1.1/4"	49	30	50.0	19.0	55
34.103.42LR24	L	42	1.1/2"	55	36	52.0	19.0	55
34.103.06SR04	S	6	1/4"	18	4	32.0	13.0	19
34.103.06SR06	S	6	3/8"	22	4	34.5	15.5	22

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REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (inch) thread d2	dimensions (mm) d6	dx	lg	l2	HEX
34.103.08SR04	S	8	1/4"	18	5	34.0	15.0	19
34.103.08SR06	S	8	3/8"	22	5	34.5	15.5	22
34.103.10SR04	S	10	1/4"	18	5	34.0	14.5	19
34.103.10SR06	S	10	3/8"	22	7	34.5	15.0	22
34.103.10SR08	S	10	1/2"	26	7	35.0	13.5	27
34.103.12SR04	S	12	1/4"	18	5	36.0	16.5	22
34.103.12SR06	S	12	3/8"	22	8	36.5	17.0	22
34.103.12SR08	S	12	1/2"	26	8	39.0	17.5	27
34.103.14SR06	S	14	3/8"	22	8	39.0	19.0	24
34.103.14SR08	S	14	1/2"	26	10	41.0	19.0	27
34.103.16SR06	S	16	3/8"	22	8	38.5	18.0	27
34.103.16SR08	S	16	1/2"	26	12	41.0	18.5	27
34.103.16SR12	S	16	3/4"	32	12	45.0	20.5	32
34.103.20SR08	S	20	1/2"	26	12	45.0	20.5	32
34.103.20SR12	S	20	3/4"	32	16	47.0	20.5	32
34.103.20SR16	S	20	1"	39	16	51.0	22.5	41
34.103.25SR12	S	25	3/4"	32	16	51.0	23.0	41
34.103.25SR16	S	25	1"	39	20	53.0	23.0	41
34.103.30SR16	S	30	1"	39	20	55.0	23.5	50
34.103.30SR20	S	30	1.1/4"	49	25	57.0	23.5	50
34.103.38SR20	S	38	1.1/4"	49	25	62.0	26.0	55
34.103.38SR24	S	38	1.1/2"	55	32	64.0	26.0	55

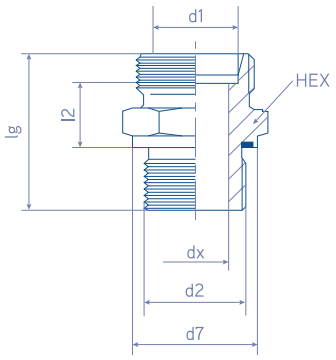
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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BSP Parallel Male Tube Connector with Elastomeric Seal



34.105.

ISO 8434-1 tube coupling and DIN ISO 1179-2 Form-E BSP Thread

REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (inch) thread d2	dimensions (mm) d7	dx	lg	l2	HEX
34.105.06LR02	L	6	1/8"	13.9	4	23.5	8.5	14
34.105.06LR04	L	6	1/4"	18.9	4	28.0	9.0	19
34.105.06LR06	L	6	3/8"	21.9	4	30.5	11.5	22
34.105.08LR02	L	8	1/8"	13.9	4	24.5	9.5	17
34.105.08LR04	L	8	1/4"	18.9	6	29.0	10.0	19
34.105.08LR06	L	8	3/8"	21.9	6	30.5	11.5	22
34.105.08LR08	L	8	1/2"	26.9	6	33.0	12.0	27
34.105.10LR02	L	10	1/8"	13.9	4	25.5	10.5	17
34.105.10LR04	L	10	1/4"	18.9	6	30.0	11.0	19
34.105.10LR06	L	10	3/8"	21.9	7	31.5	12.5	22
34.105.10LR08	L	10	1/2"	26.9	7	34.0	13.0	27
34.105.12LR04	L	12	1/4"	18.9	6	31.0	12.0	19
34.105.12LR06	L	12	3/8"	21.9	9	31.5	12.5	22
34.105.12LR08	L	12	1/2"	26.9	9	34.0	13.0	27
34.105.15LR06	L	15	3/8"	21.9	9	32.5	13.5	24
34.105.15LR08	L	15	1/2"	26.9	11	35.0	14.0	27
34.105.15LR12	L	15	3/4"	31.9	12	38.0	15.0	32
34.105.18LR08	L	18	1/2"	26.9	14	36.0	14.5	27
34.105.18LR12	L	18	3/4"	31.9	15	38.0	14.5	32
34.105.22LR08	L	22	1/2"	26.9	14	38.0	16.5	32
34.105.22LR12	L	22	3/4"	31.9	18	40.0	16.5	32
34.105.22LR16	L	22	1"	39.9	19	43.0	17.5	41
34.105.28LR12	L	28	3/4"	31.9	18	41.0	17.5	41
34.105.28LR16	L	28	1"	39.9	23	43.0	17.5	41
34.105.35LR16	L	35	1"	39.9	23	46.0	17.5	50
34.105.35LR20	L	35	1.1/4"	49.9	30	18.0	17.5	50
34.105.42LR20	L	42	1.1/4"	49.9	30	50.0	19.0	55
34.105.42LR24	L	42	1.1/2"	54.9	36	52.0	19.0	55
34.105.06SR04	S	6	1/4"	18.9	4	32.0	13.0	19

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REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (inch) thread d2	dimensions (mm) d7	dx	lg	l2	HEX
34.105.06SR06	S	6	3/8"	21.9	4	34.5	15.5	22
34.105.08SR04	S	8	1/4"	18.9	5	34.0	15.0	19
34.105.08SR06	S	8	3/8"	21.9	5	34.5	15.5	22
34.105.10SR04	S	10	1/4"	18.9	5	34.0	14.5	19
34.105.10SR06	S	10	3/8"	21.9	7	34.5	15.0	22
34.105.10SR08	S	10	1/2"	26.9	7	35.0	13.5	27
34.105.12SR04	S	12	1/4"	18.9	5	36.0	16.5	22
34.105.12SR06	S	12	3/8"	21.9	8	36.5	17.0	22
34.105.12SR08	S	12	1/2"	26.9	8	39.0	17.5	27
34.105.14SR06	S	14	3/8"	21.9	8	39.0	19.0	24
34.105.14SR08	S	14	1/2"	26.9	10	41.0	19.0	27
34.105.16SR06	S	16	3/8"	21.8	8	38.5	18.0	27
34.105.16SR08	S	16	1/2"	26.9	12	41.0	18.5	27
34.105.16SR12	S	16	3/4"	31.9	12	45.0	20.5	32
34.105.20SR08	S	20	1/2"	26.9	12	45.0	20.5	32
34.105.20SR12	S	20	3/4"	31.9	16	47.0	20.5	32
34.105.20SR16	S	20	1"	39.9	16	51.0	22.5	41
34.105.25SR12	S	25	3/4"	31.9	16	51.0	23.0	41
34.105.25SR16	S	25	1"	39.9	20	53.0	23.0	41
34.105.30SR16	S	30	1"	39.9	20	55.0	23.5	50
34.105.30SR20	S	30	1.1/4"	49.9	25	57.0	23.5	50
34.105.38SR20	S	38	1.1/4"	49.9	25	62.0	26.0	55
34.105.38SR24	S	38	1.1/2"	54.9	32	64.0	26.0	55

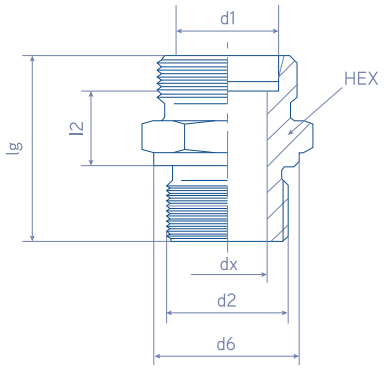
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Metric Male Tube Connector



34.104.

ISO 8434-1 tube coupling and DIN 3852-1 Form-C Metric Thread

REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (mm) thread d2	dimensions (mm) d6	dx	lg	l2	HEX
34.104.06LM10	L	6	M10x1.0	14.0	4	23.5	8.5	14
34.104.08LM12	L	8	M12x1.5	17.0	6	29.0	10.0	17
34.104.08LM18	L	8	M18x1.5	23.0	6	30.5	11.5	24
34.104.10LM14	L	10	M14x1.5	19.0	7	30.0	11.0	19
34.104.10LM16	L	10	M16x1.5	21.0	7	31.5	12.5	22
34.104.10LM18	L	10	M18x1.5	23.0	7	31.5	12.5	24
34.104.10LM22	L	10	M22x1.5	27.0	8	35.0	14.0	27
34.104.12LM14	L	12	M14x1.5	19.0	7	31.5	12.5	19
34.104.12LM16	L	12	M16x1.5	21.0	9	31.5	12.5	22
34.104.12LM18	L	12	M18x1.5	23.0	9	31.5	12.5	24
34.104.12LM22	L	12	M22x1.5	27.0	10	35.0	14.0	27
34.104.15LM16	L	15	M16x1.5	21.0	9	32.0	13.0	24
34.104.15LM18	L	15	M18x1.5	23.0	11	32.5	13.5	24
34.104.15LM22	L	15	M22x1.5	27.0	12	36.0	15.0	27
34.104.18LM18	L	18	M18x1.5	23.0	11	33.5	14.0	27
34.104.18LM22	L	18	M22x1.5	27.0	14	36.0	14.5	27
34.104.22LM22	L	22	M22x1.5	27.0	14	38.0	16.5	32
34.104.22LM26	L	22	M26x1.5	31.0	18	40.0	16.5	32
34.104.28LM33	L	28	M33x2.0	39.0	23	43.0	17.5	41
34.104.35LM42	L	35	M42x2.0	49.0	30	48.0	17.5	50
34.104.42LM48	L	42	M48x2.0	55.0	36	52.0	19.0	55
34.104.06SM12	S	6	M12x1.5	17.0	4	32.0	13.0	17
34.104.08SM14	S	8	M14x1.5	19.0	5	34.0	15.0	19
34.104.10SM16	S	10	M16x1.5	21.0	7	34.5	15.0	22
34.104.12SM18	S	12	M18x1.5	23.0	8	36.5	17.0	24
34.104.12SM22	S	12	M22x1.5	27.0	8	39.0	17.5	27
34.104.14SM20	S	14	M20x1.5	25.0	10	41.0	19.0	27
34.104.16SM18	S	16	M18x1.5	23.0	8	38.5	18.0	24
34.104.16SM22	S	16	M22x1.5	27.0	12	41.0	18.5	27
34.104.20SM27	S	20	M27x2.0	32.0	16	47.0	20.5	32
34.104.25SM33	S	25	M33x2.0	39.0	20	53.0	23.0	41
34.104.30SM42	S	30	M42x2.0	49.0	25	57.0	23.5	50
34.104.38SM48	S	38	M48x2.0	55.0	32	64.0	26.0	55

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

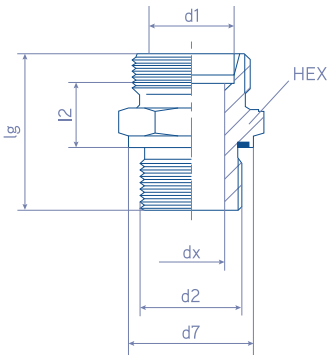
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Balflex®

Metric Male Tube Connector with Elastomeric Seal



34.106.

ISO 8434-1 tube coupling and ISO 9974-2 Form-E Metric Thread

REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (mm) thread d2	dimensions (mm) d7	dx	lg	l2	HEX
34.106.06LM10	L	6	M10x1.0	13.9	4	23.5	8.5	14
34.106.08LM12	L	8	M12x1.5	16.9	6	29.0	10.0	17
34.106.08LM18	L	8	M18x1.5	23.9	6	30.5	11.5	24
34.106.10LM14	L	10	M14x1.5	18.9	7	30.0	11.0	19
34.106.10LM16	L	10	M16x1.5	21.9	7	31.5	12.5	22
34.106.10LM18	L	10	M18x1.5	23.9	7	31.5	12.5	24
34.106.10LM22	L	10	M22x1.5	26.9	8	35.0	14.0	27
34.106.12LM14	L	12	M14x1.5	18.9	7	31.5	12.5	19
34.106.12LM16	L	12	M16x1.5	21.9	9	31.5	12.5	22
34.106.12LM18	L	12	M18x1.5	23.9	9	31.5	12.5	24
34.106.12LM22	L	12	M22x1.5	26.9	10	35.0	14.0	27
34.106.15LM16	L	15	M16x1.5	21.9	9	32.0	13.0	24
34.106.15LM18	L	15	M18x1.5	23.9	11	32.5	13.5	24
34.106.15LM22	L	15	M22x1.5	26.9	12	36.0	15.0	27
34.106.18LM18	L	18	M18x1.5	23.9	11	33.5	14.0	27
34.106.18LM22	L	18	M22x1.5	26.9	14	36.0	14.5	27
34.106.22LM22	L	22	M22x1.5	26.9	14	38.0	16.5	32
34.106.22LM26	L	22	M26x1.5	31.9	18	40.0	16.5	32
34.106.28LM33	L	28	M33x2.0	39.9	23	43.0	17.5	41
34.106.35LM42	L	35	M42x2.0	49.9	30	48.0	17.5	50
34.106.42LM48	L	42	M48x2.0	54.9	36	52.0	19.0	55
34.106.06SM12	S	6	M12x1.5	16.9	4	32.0	13.0	17
34.106.08SM14	S	8	M14x1.5	18.9	5	34.0	15.0	19
34.106.10SM16	S	10	M16x1.5	21.9	7	34.5	15.0	22
34.106.12SM18	S	12	M18x1.5	23.9	8	36.5	17.0	24
34.106.12SM22	S	12	M22x1.5	26.9	8	39.0	17.5	27
34.106.14SM20	S	14	M20x1.5	25.9	10	41.0	19.0	27
34.106.16SM18	S	16	M18x1.5	23.9	8	38.5	18.0	24
34.106.16SM22	S	16	M22x1.5	26.9	12	41.0	18.5	27
34.106.20SM27	S	20	M27x2.0	31.9	16	47.0	20.5	32
34.106.25SM33	S	25	M33x2.0	39.9	20	53.0	23.0	41
34.106.30SM42	S	30	M42x2.0	49.9	25	57.0	23.5	50
34.106.38SM48	S	38	M48x2.0	54.9	32	64.0	26.0	55

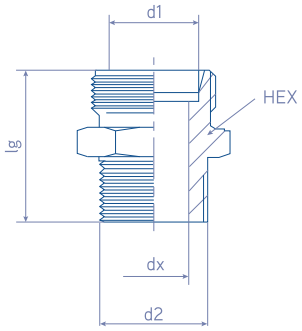
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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BSPT Tapered Male Tube Connector



34.117.

ISO 8434-1 tube coupling and DIN 3852-2 Form-C BSPT Thread

REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (inch) thread d2	dimensions (mm) dx	lg	HEX
34.117.06LR02	L	6	1/8"	4	22.0	14
34.117.06LR04	L	6	1/4"	4	26.0	14
34.117.08LR02	L	8	1/8"	4	23.0	14
34.117.08LR04	L	8	1/4"	6	27.0	17
34.117.08LR06	L	8	3/8"	6	28.0	19
34.117.08LR08	L	8	1/2"	6	30.0	24
34.117.10LR04	L	10	1/4"	7	28.0	17
34.117.10LR06	L	10	3/8"	8	28.0	19
34.117.10LR08	L	10	1/2"	8	31.0	24
34.117.12LR04	L	12	1/4"	7	29.0	19
34.117.12LR06	L	12	3/8"	9	29.0	19
34.117.12LR08	L	12	1/2"	9	31.0	24
34.117.15LR06	L	15	3/8"	11	30.0	24
34.117.15LR08	L	15	1/2"	11	32.0	24
34.117.18LR08	L	18	1/2"	14	33.0	27
34.117.18LR12	L	18	3/4"	14	35.0	30
34.117.22LR12	L	22	3/4"	18	37.0	32
34.117.28LR16	L	28	1"	23	40.0	41
34.117.06SR04	S	6	1/4"	4	30.0	17
34.117.08SR04	S	8	1/4"	5	32.0	17
34.117.10SR06	S	10	3/8"	7	32.0	19
34.117.12SR06	S	12	3/8"	8	34.0	22
34.117.14SR08	S	14	1/2"	10	38.0	27
34.117.16SR08	S	16	1/2"	12	38.0	27
34.117.20SR12	S	20	3/4"	16	44.0	32

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

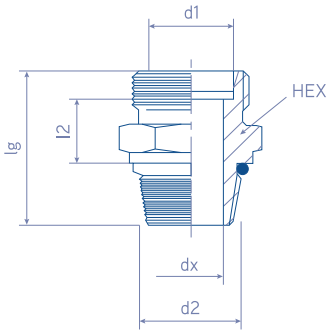
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Balflex®

NPTF Male Tube Connector



34.118.

ISO 8434-1 tube coupling and ANSI B1.20.3 NPTF Thread

REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (inch) thread d2	dimensions (mm) dx	lg	HEX
34.118.06LN02	L	6	1/8"	4	23.9	12
34.118.06LN04	L	6	1/4"	4	30.0	17
34.118.08LN02	L	8	1/8"	5	24.9	14
34.118.08LN04	L	8	1/4"	6	30.1	17
34.118.08LN06	L	8	3/8"	6	31.2	19
34.118.08LN08	L	8	1/2"	6	38.5	24
34.118.10LN02	L	10	1/8"	4	27.0	17
34.118.10LN04	L	10	1/4"	7	31.1	17
34.118.10LN06	L	10	3/8"	8	32.2	19
34.118.10LN08	L	10	1/2"	8	37.8	24
34.118.12LN04	L	12	1/4"	7	32.0	19
34.118.12LN06	L	12	3/8"	9	32.2	19
34.118.12LN08	L	12	1/2"	10	36.8	24
34.118.15LN06	L	15	3/8"	9	33.2	24
34.118.15LN08	L	15	1/2"	11	37.8	24
34.118.18LN08	L	18	1/2"	14	38.8	27
34.118.18LN12	L	18	3/4"	14	39.1	30
34.118.22LN08	L	22	1/2"	14	40.8	32
34.118.22LN12	L	22	3/4"	18	41.1	32
34.118.28LN16	L	28	1"	23	47.0	41
34.118.35LN20	L	35	1.1/4"	30	50.6	46
34.118.42LN24	L	42	1.1/2"	36	53.0	55
34.118.06SN04	S	6	1/4"	4	33.1	17
34.118.08SN04	S	8	1/4"	5	35.1	17
34.118.08SN06	S	8	3/8"	5	35.0	19

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REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (inch) thread d2	dimensions (mm) dx	lg	HEX
34.118.10SN04	S	10	1/4"	5	35.1	19
34.118.10SN06	S	10	3/8"	7	35.2	19
34.118.10SN08	S	10	1/2"	7	41.8	24
34.118.12SN04	S	12	1/4"	5	37.1	22
34.118.12SN06	S	12	3/8"	8	37.2	22
34.118.12SN08	S	12	1/2"	8	41.8	24
34.118.14SN06	S	14	3/8"	8	39.0	24
34.118.14SN08	S	14	1/2"	10	43.8	27
34.118.16SN06	S	16	3/8"	8	39.2	27
34.118.16SN08	S	16	1/2"	12	43.8	27
34.118.16SN12	S	16	3/4"	12	44.0	30
34.118.20SN08	S	20	1/2"	14	47.8	32
34.118.20SN12	S	20	3/4"	16	48.1	32
34.118.20SN16	S	20	1"	16	55.0	36
34.118.25SN12	S	25	3/4"	18	52.1	41
34.118.25SN16	S	25	1"	20	57.0	41
34.118.30SN16	S	30	1"	22	59.0	46
34.118.30SN20	S	30	1.1/4"	25	59.6	46
34.118.38SN24	S	38	1.1/2"	32	65.0	55

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

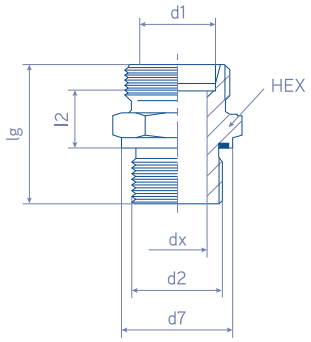
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Balflex®

UNF Male Tube Connector



34.161.

ISO 8434-1 tube coupling and ISO 11926-2/3 Form-F UNF Thread

REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (UNF) thread d2	dimensions (mm) d7	dx	lg	l2	HEX
34.161.06LU04	L	6	7/16"	15.8	4.0	25.2	9.0	17
34.161.08LU04	L	8	7/16"	15.8	5.0	26.2	10.0	17
34.161.10LU04	L	10	7/16"	15.8	5.0	28.2	12.0	17
34.161.10LU06	L	10	9/16"	17.7	7.0	28.0	11.0	19
34.161.12LU08	L	12	3/4"	23.0	9.0	30.7	12.5	24
34.161.12LU10	L	12	7/8"	27.0	10.0	32.7	13.0	27
34.161.15LU08	L	15	3/4"	23.0	11.0	32.2	14.0	24
34.161.15LU10	L	15	7/8"	27.0	11.0	33.7	14.0	27
34.161.18LU08	L	18	3/4"	23.0	12.0	33.2	14.5	27
34.161.18LU10	L	18	7/8"	27.0	14.0	34.7	14.5	27
34.161.22LU12	L	22	1.1/16"	32.0	18.0	39.0	16.5	32
34.161.22LU16	L	22	1.5/16"	38.1	18.0	39.0	16.5	41
34.161.28LU12	L	28	1.1/16"	32.0	18.0	40.0	17.5	41
34.161.28LU16	L	28	1.5/16"	38.1	23.0	40.0	17.4	41
34.161.35LU16	L	35	1.5/16"	39.0	23.0	43.0	17.5	46
34.161.35LU20	L	35	1.5/8"	48.0	30.0	43.0	17.5	50
34.161.42LU24	L	42	1.7/8"	54.0	36.0	45.0	19.0	55
34.161.06SU04	S	6	7/16"	15.8	4.0	29.2	13.0	17
34.161.08SU04	S	8	7/16"	15.8	4.0	31.2	15.0	17
34.161.10SU06	S	10	9/16"	17.7	7.0	32.5	15.0	19
34.161.10SU08	S	10	3/4"	23.0	7.0	33.7	15.0	24
34.161.12SU06	S	12	9/16"	17.7	7.0	34.5	17.5	22
34.161.12SU08	S	12	3/4"	23.0	8.0	36.2	17.5	24
34.161.14SU08	S	14	3/4"	23.0	10.0	38.2	19.0	24
34.161.16SU08	S	16	3/4"	23.0	12.0	38.2	18.5	27
34.161.16SU10	S	16	7/8"	27.0	12.0	37.5	15.0	30
34.161.16SU12	S	16	1.1/16"	32.0	12.0	42.0	18.5	32
34.161.20SU10	S	20	7/8"	27.0	12.0	43.7	20.5	32
34.161.20SU12	S	20	1.1/16"	32.0	16.0	46.0	20.5	32
34.161.25SU12	S	25	1.1/16"	32.0	16.0	50.0	23.0	41
34.161.25SU16	S	25	1.5/16"	38.1	20.0	50.0	23.0	41
34.161.30SU16	S	30	1.5/16"	32.0	16.0	52.0	23.5	46
34.161.30SU20	S	30	1.5/8"	48.0	25.0	52.0	23.5	50
34.161.38SU24	S	38	1.7/8"	54.0	32.0	57.0	26.0	55

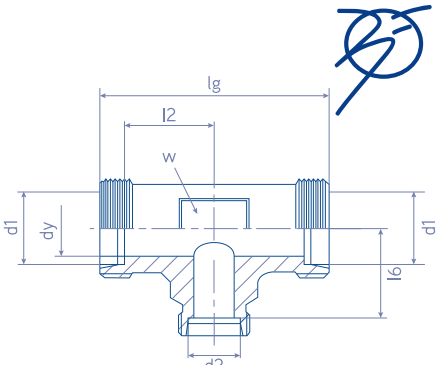
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Tee Reducer Tube Connector



34.153.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)						
		Ø tube d1	Ø tube d1	dy	lg	l2	l6	w
34.153.0806L	L	6	8	4.0	33.0	26.0	12	17
34.153.1006L	L	6	10	4.0	34.0	27.0	12	19
34.153.1008L	L	8	10	6.0	35.0	28.0	14	19
34.153.1206L	L	6	12	4.0	37.0	30.0	14	22
34.153.1208L	L	8	12	6.0	37.0	30.0	14	22
34.153.1210L	L	10	12	8.0	38.0	31.0	17	22
34.153.1506L	L	6	15	4.0	38.0	31.0	17	27
34.153.1508L	L	8	15	6.0	38.0	31.0	17	27
34.153.1510L	L	10	15	8.0	39.0	32.0	17	27
34.153.1512L	L	12	15	10.0	40.0	33.0	19	27
34.153.1806L	L	6	18	4.0	37.5	30.5	19	32
34.153.1808L	L	8	18	6.0	37.5	30.5	19	32
34.153.1810L	L	10	18	8.0	38.5	31.5	19	32
34.153.1812L	L	12	18	10.0	38.5	31.5	19	32
34.153.1815L	L	15	18	12.0	39.5	32.5	24	32
34.153.2206L	L	6	22	4.0	41.0	34.0	24	36
34.153.2208L	L	8	22	6.0	38.5	31.5	24	36
34.153.2210L	L	10	22	8.0	39.5	32.5	24	36
34.153.2212L	L	12	22	10.0	39.5	32.5	24	36
34.153.2215L	L	15	22	12.0	40.5	33.5	24	36
34.153.2218L	L	18	22	15.0	41.5	34.0	27	36
34.153.2806L	L	6	28	4.0	42.0	35.0	30	41
34.153.2808L	L	8	28	6.0	42.0	35.0	30	41
34.153.2810L	L	10	28	8.0	41.0	34.0	30	41
34.153.2812L	L	12	28	10.0	41.0	34.0	30	41
34.153.2815L	L	15	28	12.0	42.0	35.0	30	41
34.153.2818L	L	18	28	15.0	43.0	35.5	30	41
34.153.2822L	L	22	28	19.0	45.0	37.5	32	41
34.153.3508L	L	8	35	6.0	48.0	41.0	36	50
34.153.3510L	L	10	35	8.0	49.0	42.0	36	50
34.153.3512L	L	12	35	10.0	47.5	40.5	36	50
34.153.3515L	L	15	35	12.0	48.5	41.5	36	50
34.153.3518L	L	18	35	15.0	49.5	42.0	36	50
34.153.3522L	L	22	35	19.0	51.5	44.0	36	50
34.153.3528L	L	28	35	24.0	52.5	45.0	41	50
34.153.4210L	L	10	42	8.0	51.0	44.0	46	60
34.153.4212L	L	12	42	10.0	51.0	44.0	46	60
34.153.4215L	L	15	42	12.0	52.0	45.0	46	60

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REFERENCE	serie	dimensions (mm)						
		Ø tube d1	Ø tube d1	dy	lg	l2	l6	w
34.153.4218L	L	18	42	15.0	52.0	44.5	46	60
34.153.4222L	L	22	42	19.0	54.0	46.5	46	60
34.153.4228L	L	28	42	24.0	55.0	47.5	46	60
34.153.4235L	L	35	42	30.0	58.0	47.5	46	60
34.153.0806S	S	6	8	4.0	37.0	30.0	14	19
34.153.1006S	S	6	10	4.0	39.0	32.0	14	22
34.153.1008S	S	8	10	5.0	41.0	34.0	17	22
34.153.1206S	S	6	12	4.0	39.0	32.0	17	24
34.153.1208S	S	8	12	5.0	41.0	34.0	17	24
34.153.1210S	S	10	12	7.0	41.0	33.5	19	24
34.153.1406S	S	6	14	4.0	42.0	35.0	17	27
34.153.1408S	S	8	14	5.0	44.0	37.0	17	27
34.153.1410S	S	10	14	7.0	44.0	36.5	19	27
34.153.1412S	S	12	14	8.0	46.0	38.5	22	27
34.153.1608S	S	8	16	5.0	44.0	37.0	17	30
34.153.1610S	S	10	16	7.0	44.0	36.5	19	30
34.153.1612S	S	12	16	8.0	46.0	38.5	22	30
34.153.1614S	S	14	16	10.0	48.0	40.0	24	30
34.153.2006S	S	6	20	4.0	47.0	40.0	22	36
34.153.4212L	L	12	42	10.0	51.0	44.0	46	60
34.153.4215L	L	15	42	12.0	52.0	45.0	46	60
34.153.4218L	L	18	42	15.0	52.0	44.5	46	60
34.153.4222L	L	22	42	19.0	54.0	46.5	46	60
34.153.4228L	L	28	42	24.0	55.0	47.5	46	60
34.153.4235L	L	35	42	30.0	58.0	47.5	46	60
34.153.0806S	S	6	8	4.0	37.0	30.0	14	19
34.153.1006S	S	6	10	4.0	39.0	32.0	14	22
34.153.1008S	S	8	10	5.0	41.0	34.0	17	22
34.153.1206S	S	6	12	4.0	39.0	32.0	17	24
34.153.1208S	S	8	12	5.0	41.0	34.0	17	24
34.153.1210S	S	10	12	7.0	41.0	33.5	19	24
34.153.1406S	S	6	14	4.0	42.0	35.0	17	27
34.153.1408S	S	8	14	5.0	44.0	37.0	17	27
34.153.1410S	S	10	14	7.0	44.0	36.5	19	27
34.153.1412S	S	12	14	8.0	46.0	38.5	22	27
34.153.1608S	S	8	16	5.0	44.0	37.0	17	30
34.153.1610S	S	10	16	7.0	44.0	36.5	19	30
34.153.1612S	S	12	16	8.0	46.0	38.5	22	30
34.153.1614S	S	14	16	10.0	48.0	40.0	24	30
34.153.2006S	S	6	20	4.0	47.0	40.0	22	36
34.153.1612S	S	12	16	8.0	46.0	38.5	22	30
34.153.1614S	S	14	16	10.0	48.0	40.0	24	30
34.153.2006S	S	6	20	4.0	47.0	40.0	22	36

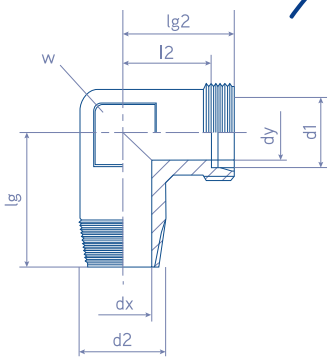
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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BSPT Tapered 90º Elbow Male Tube Connector



34.120.

ISO 8434-1 tube coupling and DIN 3852-2 Form-C BSPT Thread

REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (inch) thread d2	dimensions (mm) dx	dy	lg	lg2	l2	w
34.120.06LR02	L	6	1/8"	4	4	20.0	19.0	12.0	12
34.120.06LR04	L	6	1/4"	7	4	26.0	14.0	14.0	14
34.120.08LR02	L	8	1/8"	4	6	26.0	21.0	14.0	14
34.120.08LR04	L	8	1/4"	6	6	26.0	21.0	14.0	14
34.120.08LR06	L	8	3/8"	8	6	28.0	22.0	15.0	19
34.120.10LR02	L	10	1/8"	4	7	25.0	22.0	15.0	17
34.120.10LR04	L	10	1/4"	7	8	27.0	22.0	15.0	17
34.120.10LR06	L	10	3/8"	7	7	28.0	23.0	16.0	19
34.120.10LR08	L	10	1/2"	11	7	34.0	27.0	20.0	19
34.120.12LR04	L	12	1/4"	7	9	28.0	24.0	17.0	19
34.120.12LR06	L	12	3/8"	9	10	28.0	24.0	17.0	19
34.120.12LR08	L	12	1/2"	11	9	34.0	27.0	20.0	19
34.120.15LR06	L	15	3/8"	9	11	32.0	28.0	21.0	19
34.120.15LR08	L	15	1/2"	11	12	34.0	28.0	21.0	19
34.120.18LR08	L	18	1/2"	14	15	36.0	31.0	23.5	24
34.120.18LR12	L	18	3/4"	18	15	42.0	35.0	27.5	27
34.120.22LR12	L	22	3/4"	18	19	42.0	27.5	27.5	27
34.120.06SR04	S	6	1/4"	4	4	26.0	23.0	16.0	14
34.120.08SR04	S	8	1/4"	5	5	17.0	24.0	17.0	17
34.120.10SR06	S	10	3/8"	7	7	28.0	25.0	17.5	19
34.120.12SR06	S	12	3/8"	8	8	28.0	29.0	21.5	22
34.120.12SR08	S	12	1/2"	11	8	34.0	29.0	21.5	19
34.120.14SR06	S	14	3/8"	8	10	30.0	30.0	22.0	19
34.120.14SR08	S	14	1/2"	10	10	32.0	30.0	22.0	19
34.120.16SR08	S	16	1/2"	12	12	32.0	33.0	24.5	24
34.120.20SR08	S	20	1/2"	12	16	40.0	37.0	26.5	27
34.120.20SR12	S	20	3/4"	16	16	42.0	37.0	26.5	27

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

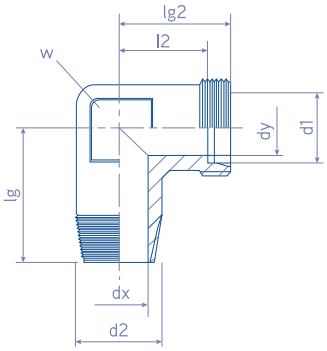
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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NPTF Tapered 90º Elbow Male Tube Connector



34.121.

ISO 8434-1 tube coupling and ANSI B1.20.3 NPTF Thread

REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (inch) thread d2	dimensions (mm) dx	dy	lg	lg2	l2	w
34.121.06LN02	L	6	1/8"	4	4	20.0	19.0	12.0	12
34.121.06LN04	L	6	1/4"	4	4	26.0	21.0	14.0	14
34.121.08LN04	L	8	1/4"	6	6	26.0	21.0	14.0	14
34.121.10LN04	L	10	1/4"	7	7	27.0	22.0	15.0	17
34.121.10LN06	L	10	3/8"	9	8	28.0	24.0	17.0	19
34.121.12LN04	L	12	1/4"	7	9	28.0	24.0	17.0	19
34.121.12LN06	L	12	3/8"	9	9	28.0	24.0	17.0	19
34.121.12LN08	L	12	1/2"	12	9	33.0	28.0	21.0	24
34.121.15LN08	L	15	1/2"	11	11	36.0	31.0	24.0	24
34.121.18LN08	L	18	1/2"	14	14	37.0	31.0	23.5	24
34.121.22LN12	L	22	3/4"	18	19	42.0	35.0	27.5	27
34.121.28LN16	L	28	1"	23	24	48.0	38.0	30.5	36
34.121.35LN20	L	35	1.1/4"	30	30	54.0	45.0	34.5	41
34.121.42LN24	L	42	1.1/2"	36	36	61.0	51.0	40.0	50
34.121.06SN04	S	6	1/4"	4	4	26.0	23.0	16.0	14
34.121.08SN04	S	8	1/4"	5	5	27.0	24.0	17.0	17
34.121.10SN06	S	10	3/8"	7	7	28.0	25.0	17.5	19
34.121.12SN06	S	12	3/8"	8	8	29.0	29.0	21.5	22
34.121.14SN08	S	14	1/2"	10	10	33.0	33.0	25.0	24
34.121.16SN08	S	16	1/2"	12	12	36.0	33.0	24.5	24
34.121.20SN12	S	20	3/4"	16	16	42.0	37.0	26.5	27
34.121.25SN16	S	25	1"	20	20	49.0	42.0	30.0	36
34.121.30SN20	S	30	1.1/4"	25	25	54.0	49.0	35.5	41
34.121.38SN24	S	38	1.1/2"	32	32	61.0	57.0	41.0	50

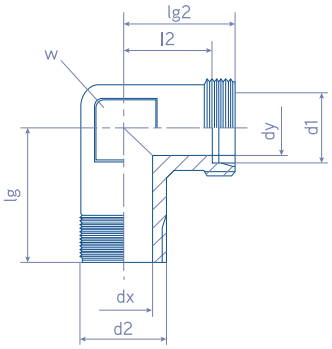
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Metric 90º Elbow Male Tube Connector



34.124.

ISO 8434-1 tube coupling and DIN 3852-1 Form-C Metric Thread

REFERENCE	serie	dimensions (mm) Ø tube d1	dimensions (inch) thread d2	dimensions (mm) dx	dy	lg	lg2	l2	w
34.124.06LM10	L	6	M10x1.0	4	4	20.0	19.0	12.0	12
34.124.08LM12	L	8	M12x1.5	6	6	26.0	21.0	14.0	14
34.124.10LM14	L	10	M14x1.5	7	8	27.0	22.0	15.0	17
34.124.12LM16	L	12	M16x1.5	9	10	28.0	24.0	17.0	19
34.124.12LM18	L	12	M18x1.5	11	12	32.0	28.0	21.0	19
34.124.15LM18	L	15	M18x1.5	14	15	36.0	31.0	23.5	24
34.124.06SM12	S	6	M12x1.5	4	4	26.0	23.0	16.0	14
34.124.08SM14	S	8	M14x1.5	5	5	27.0	24.0	17.0	17
34.124.10SM16	S	10	M16x1.5	7	7	28.0	25.0	17.5	19
34.124.12SM18	S	12	M18x1.5	8	8	28.0	29.0	21.5	22
34.124.14SM20	S	14	M20x1.5	10	10	32.0	30.0	22.0	19
34.124.16SM22	S	16	M22x1.5	12	12	32.0	33.0	24.5	24

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

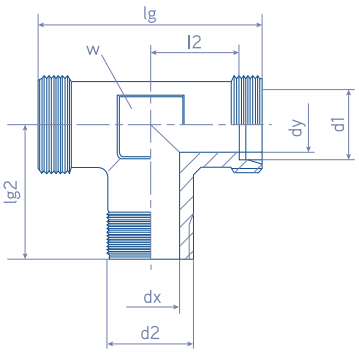
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Balflex®

BSPT Male Tapered Branch Tee Tube Connector



34.125.

ISO 8434-1 tube coupling and DIN 3852-2 Form-C BSPT Thread

REFERENCE	serie	dimensions (mm)							
		Ø tube d1	d2	dx	dy	lg	lg2	l2	w
34.125.06LR02	L	6	1/8"	4.0	4.0	38.0	20.0	12.0	12
34.125.08LR04	L	8	1/4"	6.0	6.0	42.0	26.0	14.0	14
34.125.10LR04	L	10	1/4"	7.0	8.0	44.0	27.0	15.0	17
34.125.12LR04	L	12	1/4"	9.0	10.0	48.0	28.0	17.0	19
34.125.15LR08	L	15	1/2"	11.0	12.0	56.0	32.0	21.0	19
34.125.18LR08	L	18	1/2"	14.0	15.0	62.0	36.0	23.5	24
34.125.06SR04	S	6	1/4"	4.0	4.0	46.0	26.0	16.0	14
34.125.08SR04	S	8	1/4"	5.0	5.0	48.0	27.0	17.0	17
34.125.10SR06	S	10	3/8"	7.0	7.0	50.0	28.0	17.5	19
34.125.12SR06	S	12	3/8"	8.0	8.0	58.0	28.0	21.5	22
34.125.14SR08	S	14	1/2"	10.0	10.0	60.0	32.0	22.0	19
34.125.16SR08	S	16	1/2"	12.0	12.0	66.0	32.0	24.5	24

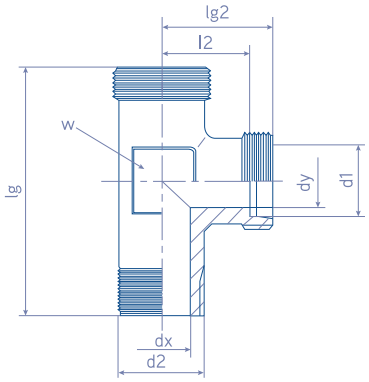
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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BSPT Male Tapered Run Tee Tube Connector



34.130.

ISO 8434-1 tube coupling and DIN 3852-2 Form-C BSPT Thread

REFERENCE	serie	dimensions (mm)							
		Ø tube d1	d2	dx	dy	lg	lg2	l2	w
34.130.06LR02	L	6	1/8"	4.0	4.0	39.0	19.0	12.0	12
34.130.08LR04	L	8	1/4"	6.0	6.0	47.0	21.0	14.0	14
34.130.10LR04	L	10	1/4"	7.0	8.0	49.0	22.0	15.0	17
34.130.12LR04	L	12	1/4"	9.0	10.0	52.0	24.0	17.0	19
34.130.15LR08	L	15	1/2"	11.0	12.0	60.0	28.0	21.0	19
34.130.18LR08	L	18	1/2"	14.0	15.0	67.0	31.0	23.5	24
34.130.06SR04	S	6	1/4"	4.0	4.0	49.0	23.0	16.0	14
34.130.08SR04	S	8	1/4"	5.0	5.0	51.0	24.0	17.0	17
34.130.10SR06	S	10	3/8"	7.0	7.0	53.0	25.0	17.5	19
34.130.12SR06	S	12	3/8"	8.0	8.0	57.0	29.0	21.5	22
34.130.14SR08	S	14	1/2"	10.0	10.0	62.0	30.0	22.0	19
34.130.16SR08	S	16	1/2"	12.0	12.0	65.0	33.0	24.5	24

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

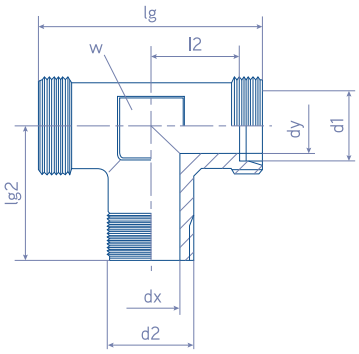
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Balflex®

Metric Male Branch Tee Tube Connector



34.129.

ISO 8434-1 tube coupling and DIN 3852-1 Form-C Metric Thread

REFERENCE	serie	dimensions (mm)							
		Ø tube d1	d2	dx	dy	lg	lg2	l2	w
34.129.06LM10	L	6	M10x1.0	4.0	4.0	38.0	20.0	12.0	12
34.129.08LM12	L	8	M12x1.5	6.0	6.0	42.0	26.0	14.0	14
34.129.10LM14	L	10	M14x1.5	7.0	8.0	44.0	27.0	15.0	17
34.129.12LM16	L	12	M16x1.5	9.0	10.0	48.0	28.0	17.0	19
34.129.15LM18	L	15	M18x1.5	11.0	12.0	56.0	32.0	21.0	19
34.129.18LM22	L	18	M22x1.5	14.0	15.0	62.0	36.0	23.5	24
34.129.06SM12	S	6	M12x1.5	4.0	4.0	46.0	26.0	16.0	14
34.129.08SM14	S	8	M14x1.5	5.0	5.0	48.0	27.0	17.0	17
34.129.10SM16	S	10	M16x1.5	7.0	7.0	50.0	28.0	17.5	19
34.129.12SM18	S	12	M18x1.5	8.0	8.0	58.0	28.0	21.5	22
34.129.14SM20	S	14	M20x1.5	10.0	10.0	60.0	32.0	22.0	19
34.129.16SM22	S	16	M22X1.5	12.0	12.0	66.0	32.0	24.5	24

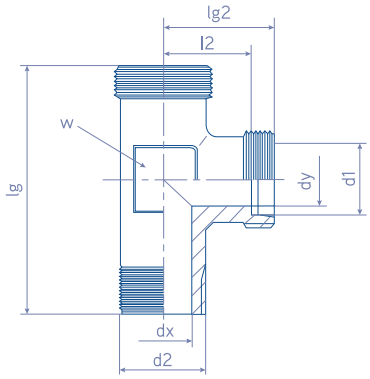
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Metric Male Run Tee Tube Connector



34.134.

ISO 8434-1 tube coupling and DIN 3852-1 Form-C Metric Thread

REFERENCE	serie	dimensions (mm)							
		Ø tube d1	d2	dx	dy	lg	lg2	l2	w
34.134.06LM10	L	6	M10x1.0	4.0	4.0	39.0	19.0	12.0	12
34.134.08LM12	L	8	M12x1.5	6.0	6.0	47.0	21.0	14.0	14
34.134.10LM14	L	10	M14x1.5	7.0	8.0	49.0	22.0	15.0	17
34.134.12LM16	L	12	M16x1.5	9.0	10.0	52.0	24.0	17.0	19
34.134.15LM18	L	15	M18x1.5	11.0	12.0	60.0	28.0	21.0	19
34.134.18LM22	L	18	M22x1.5	14.0	15.0	67.0	31.0	23.5	24
34.134.06SM12	S	6	M12x1.5	4.0	4.0	49.0	23.0	16.0	14
34.134.08SM14	S	8	M14x1.5	5.0	5.0	51.0	24.0	17.0	17
34.134.10SM16	S	10	M16x1.5	7.0	7.0	53.0	25.0	17.5	19
34.134.12SM18	S	12	M18x1.5	8.0	8.0	57.0	29.0	21.5	22
34.134.14SM20	S	14	M20x1.5	10.0	10.0	62.0	30.0	22.0	19
34.134.16SM22	S	16	M22X1.5	12.0	12.0	65.0	33.0	24.5	24

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

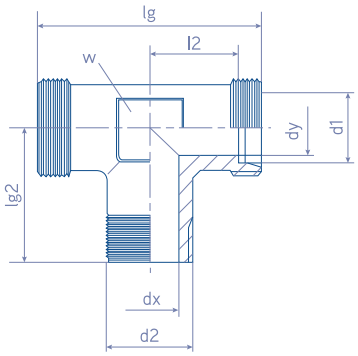
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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NPTF Male Branch Tee Tube Connector



34.126.

ISO 8434-1 tube coupling and ANSI B1.20.3 NPTF Thread

REFERENCE	serie	dimensions (mm)							
		Ø tube d1	d2	dx	dy	lg	lg2	l2	w
34.126.06LN02	L	6	1/8"	4.0	4.0	38.0	20.0	12.0	12
34.126.08LN04	L	8	1/4"	6.0	6.0	42.0	26.0	14.0	14
34.126.10LN04	L	10	1/4"	7.0	8.0	44.0	27.0	15.0	17
34.126.12LN04	L	12	1/4"	9.0	10.0	48.0	28.0	17.0	19
34.126.15LN08	L	15	1/2"	11.0	12.0	56.0	32.0	21.0	19
34.126.18LN08	L	18	1/2"	14.0	15.0	62.0	36.0	23.5	24
34.126.06SN04	S	6	1/4"	4.0	4.0	46.0	26.0	16.0	14
34.126.08SN04	S	8	1/4"	5.0	5.0	48.0	27.0	17.0	17
34.126.10SN06	S	10	3/8"	7.0	7.0	50.0	28.0	17.5	19
34.126.12SN06	S	12	3/8"	8.0	8.0	58.0	28.0	21.5	22
34.126.14SN08	S	14	1/2"	10.0	10.0	60.0	32.0	22.0	19
34.126.16SN08	S	16	1/2"	12.0	12.0	66.0	32.0	24.5	24

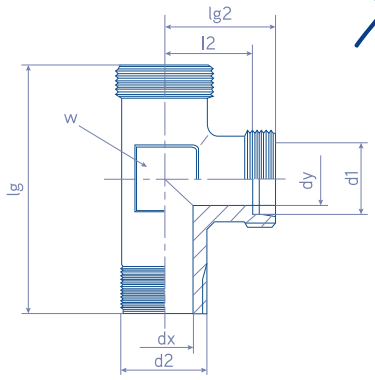
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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NPTF Male Run Tee Tube Connector



34.127.

ISO 8434-1 tube coupling and ANSI B1.20.3 NPTF Thread

REFERENCE	serie	dimensions (mm)							
		Ø tube d1	d2	dx	dy	lg	lg2	l2	w
34.127.06LN02	L	6	1/8"	4.0	4.0	39.0	19.0	12.0	12
34.127.08LN04	L	8	1/4"	6.0	6.0	47.0	21.0	14.0	14
34.127.10LN04	L	10	1/4"	7.0	8.0	49.0	22.0	15.0	17
34.127.12LN04	L	12	1/4"	9.0	10.0	52.0	24.0	17.0	19
34.127.15LN08	L	15	1/2"	11.0	12.0	60.0	28.0	21.0	19
34.127.18LN08	L	18	1/2"	14.0	15.0	67.0	31.0	23.5	24
34.127.06SN04	S	6	1/4"	4.0	4.0	49.0	23.0	16.0	14
34.127.08SN04	S	8	1/4"	5.0	5.0	51.0	24.0	17.0	17
34.127.10SN06	S	10	3/8"	7.0	7.0	53.0	25.0	17.5	19
34.127.12SN06	S	12	3/8"	8.0	8.0	57.0	29.0	21.5	22
34.127.14SN08	S	14	1/2"	10.0	10.0	62.0	30.0	22.0	19
34.127.16SN08	S	16	1/2"	12.0	12.0	65.0	33.0	24.5	24

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

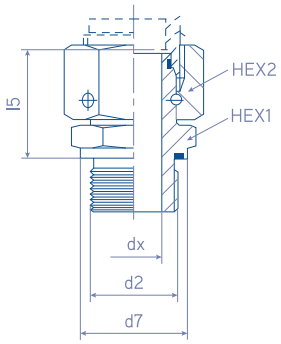
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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BSP Male Swivel Tube Connector



34.605.

ISO 8434-1 tube coupling and DIN ISO 1179-2 Form-E BSP Thread

REFERENCE	serie	dimensions (mm)						
		Ø tube d1	d2	d7	dx	l5	HEX 1	HEX 2
34.605.06LR02	L	6	1/8"	13.9	2.5	24.5	14	17
34.605.08LR04	L	8	1/4"	18.9	4.5	29.5	19	17
34.605.10LR04	L	10	1/4"	18.9	6.0	27.5	19	19
34.605.12LR06	L	12	3/8"	21.9	8.0	34.0	22	22
34.605.15LR08	L	15	1/2"	26.9	10.0	32.0	27	27
34.605.18LR08	L	18	1/2"	26.9	13.0	31.5	27	32
34.605.22LR12	L	22	3/4"	31.9	17.0	32.5	32	36
34.605.28LR16	L	28	1"	39.9	22.0	35.0	41	41
34.605.35LR20	L	35	1.1/4"	49.9	28.0	42.5	50	50
34.605.42LR24	L	42	1.1/2"	54.9	34.0	46.5	55	60
34.605.06SR04	S	6	1/4"	18.9	2.5	27.0	19	17
34.605.08SR04	S	8	1/4"	18.9	4.0	29.5	19	19
34.605.10SR06	S	10	3/8"	21.9	6.0	32.0	22	22
34.605.12SR06	S	12	3/8"	21.9	8.0	34.0	22	24
34.605.14SR08	S	14	1/2"	26.9	9.0	36.5	27	27
34.605.16SR08	S	16	1/2"	26.9	11.0	37.0	27	30
34.605.20SR12	S	20	3/4"	31.9	14.0	43.0	32	36
34.605.25SR16	S	25	1"	39.9	18.0	48.0	41	46
34.605.30SR20	S	30	1.1/4"	49.9	23.0	51.0	50	50
34.605.38SR24	S	38	1.1/2"	54.9	30.0	60.0	55	60

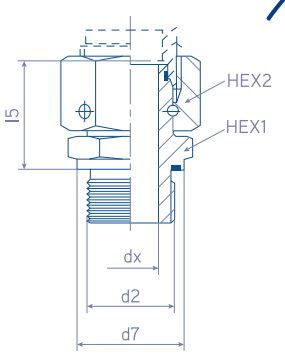
MATERIAL: Carbon Steel

FINISH: : Chromium-(VI) Free plating

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Metric Male Swivel Tube Connector



34.606.

ISO 9974-2 tube coupling and DIN ISO 1179-2 Form-E BSP Thread

REFERENCE	serie	dimensions (mm)						
		Ø tube d1	d2	d7	dx	l5	HEX 1	HEX 2
34.606.06LM10	L	6	M10x1.0	13.9	2.5	24.5	14	14
34.606.08LM12	L	8	M12x1.5	16.9	4.5	26.5	17	17
34.606.10LM14	L	10	M14x1.5	18.9	6.0	27.5	19	19
34.606.12LM16	L	12	M16x1.5	21.9	8.0	30.5	22	22
34.606.15LM18	L	15	M18x1.5	23.9	10.0	31.5	24	27
34.606.18LM22	L	18	M22x1.5	26.9	13.0	31.5	27	32
34.606.22LM26	L	22	M26x1.5	31.9	17.0	32.5	32	36
34.606.28LM33	L	28	M33x2.0	39.9	22.0	35.0	41	41
34.606.35LM42	L	35	M42x2.0	49.9	28.0	42.5	50	50
34.606.42LM48	L	42	M48x2.0	54.9	34.0	46.5	55	60
34.606.06SM12	S	6	M12x1.5	16.9	2.5	27.0	19	17
34.606.08SM14	S	8	M14x1.5	18.9	4.0	29.5	19	19
34.606.10SM16	S	10	M16x1.5	21.9	6.0	32.0	22	22
34.606.12SM18	S	12	M18x1.5	23.9	8.0	34.0	24	24
34.606.14SM20	S	14	M20x1.5	25.9	9.0	36.5	27	27
34.606.16SM22	S	16	M22x1.5	26.9	11.0	37.0	27	30
34.606.20SM27	S	20	M27x2.0	31.9	14.0	43.0	32	36
34.606.25SM33	S	25	M33x2.0	39.9	18.0	48.0	41	46
34.606.30SM42	S	30	M42x2.0	49.9	23.0	51.0	50	50
34.606.38SM48	S	38	M48x2.0	54.0	30.0	60.0	55	60

MATERIAL: Carbon Steel

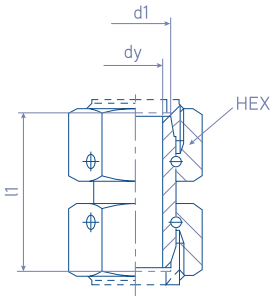
FINISH: : Chromium-(VI) Free plating

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Metric Swivel Tube Connector



34.635.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)			
		Ø tube d1	dy	l1	HEX
34.635.06L	L	6	2.5	39.0	14
34.635.08L	L	8	4.5	39.5	17
34.635.10L	L	10	6.0	39.5	19
34.635.12L	L	12	8.0	39.5	22
34.635.15L	L	15	10.0	42.5	27
34.635.18L	L	18	13.0	45.0	32
34.635.22L	L	22	17.0	49.5	36
34.635.28L	L	28	22.0	51.5	41
34.635.35L	L	35	28.0	61.0	50
34.635.42L	L	42	34.0	62.5	60
34.635.06S	S	6	2.5	40.5	17
34.635.08S	S	8	4.0	40.5	19
34.635.10S	S	10	6.0	43.5	22
34.635.12S	S	12	8.0	44.0	24
34.635.14S	S	14	9.0	48.5	27
34.635.16S	S	16	11.0	49.0	30
34.635.20S	S	20	14.0	60.5	36
34.635.25S	S	25	18.0	67.5	46
34.635.30S	S	30	23.0	72.5	50
34.635.38S	S	38	30.0	83.0	60

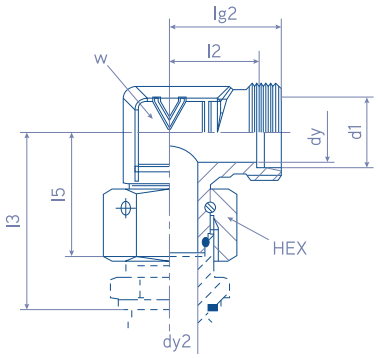
MATERIAL: Carbon Steel

FINISH: : Chromium-(VI) Free plating

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Swivel 90º Elbow Adjustable Tube Connector



34.642.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)								
		Ø tube d1	dy	dy2	lg2	l2	l3	l5	w	HEX
34.642.06LM12	L	6	4	2.5	19.0	12.0	34.5	26.0	12	14
34.642.08LM14	L	8	6	4.0	21.0	14.0	37.5	27.5	14	17
34.642.10LM16	L	10	8	6.0	22.0	15.0	40.0	29.0	14	19
34.642.12LM18	L	12	10	8.0	24.0	17.0	42.0	29.5	17	22
34.642.15LM22	L	15	12	10.0	28.0	21.0	46.0	32.5	19	27
34.642.18LM26	L	18	15	13.0	31.0	23.5	50.0	35.5	24	32
34.642.22LM30	L	22	19	17.0	35.0	27.5	55.0	38.5	27	36
34.642.28LM36	L	28	24	22.0	38.0	30.5	59.0	41.5	36	41
34.642.35LM45	L	35	30	28.0	45.0	34.5	68.5	51.0	41	50
34.642.42LM52	L	42	36	34.0	51.0	40.0	75.0	56.0	50	60
34.642.06SM14	S	6	4	2.5	23.0	16.0	40.0	27.0	14	17
34.642.08SM16	S	8	5	4.0	24.0	17.0	42.5	27.5	17	19
34.642.10SM18	S	10	7	6.0	25.0	17.5	45.0	30.0	19	22
34.642.12SM20	S	12	8	8.0	29.0	21.5	48.0	31.5	17	24
34.642.14SM22	S	14	10	9.0	30.0	22.0	54.0	35.0	19	27
34.642.16SM24	S	16	12	11.0	33.0	24.5	55.0	36.5	24	30
34.642.20SM30	S	20	16	14.0	37.0	26.5	65.0	44.5	27	36
34.642.25SM36	S	25	20	18.0	42.0	30.0	73.0	50.0	36	46
34.642.30SM42	S	30	25	23.0	49.0	35.5	78.5	55.0	41	50
34.642.38SM52	S	38	32	30.0	57.0	41.0	89.0	63.0	50	60

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

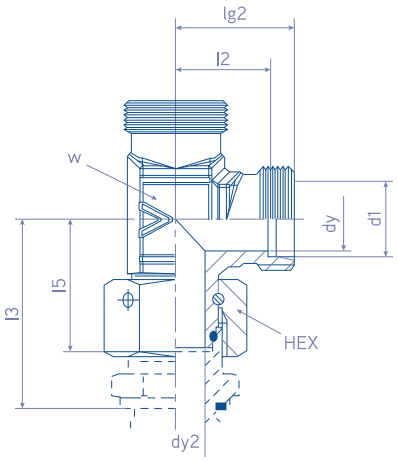
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Swivel Run Tee Adjustable Tube Connector



34.646.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)								
		Ø tube d1	dy	dy2	lg2	l2	l3	l5	w	HEX
34.646.06LM12	L	6	4	2.5	19.0	12.0	34.5	26.0	12	14
34.646.08LM14	L	8	6	4.0	21.0	14.0	37.5	27.5	14	17
34.646.10LM16	L	10	8	6.0	22.0	15.0	40.0	29.0	14	19
34.646.12LM18	L	12	10	8.0	24.0	17.0	42.0	29.5	17	22
34.646.15LM22	L	15	12	10.0	28.0	21.0	46.0	32.5	19	27
34.646.18LM26	L	18	15	13.0	31.0	23.5	50.0	35.5	24	32
34.646.22LM30	L	22	19	17.0	35.0	27.5	55.0	38.5	27	36
34.646.28LM36	L	28	24	22.0	38.0	30.5	59.0	41.5	36	41
34.646.35LM45	L	35	30	28.0	45.0	34.5	68.5	51.0	41	50
34.646.42LM52	L	42	36	34.0	51.0	40.0	75.0	56.0	50	60
34.646.06SM14	S	6	4	2.5	23.0	16.0	40.0	27.0	14	17
34.646.08SM16	S	8	5	4.0	24.0	17.0	42.5	27.5	17	19
34.646.10SM18	S	10	7	6.0	25.0	17.5	45.0	30.0	19	22
34.646.12SM20	S	12	8	8.0	29.0	21.5	48.0	31.5	17	24
34.646.14SM22	S	14	10	9.0	30.0	22.0	54.0	35.0	19	27
34.646.16SM24	S	16	12	11.0	33.0	24.5	55.0	36.5	24	30
34.646.20SM30	S	20	16	14.0	37.0	26.5	65.0	44.5	27	36
34.646.25SM36	S	25	20	18.0	42.0	30.0	73.0	50.0	36	46
34.646.30SM42	S	30	25	23.0	49.0	35.5	78.5	55.0	41	50
34.646.38SM52	S	38	32	30.0	57.0	41.0	89.0	63.0	50	60

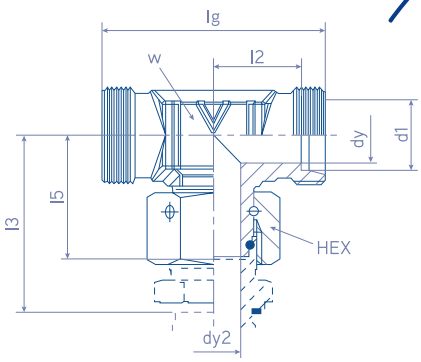
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Swivel Branch Tee
Adjustable Tube Connector



34.150.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)								
		Ø tube d1	dy	dy2	lg	l2	l3	l5	w	HEX
34.150.06LM12	L	6	4	2.5	38.0	12.0	34.5	26.0	12	14
34.150.08LM14	L	8	6	4.0	42.0	14.0	37.5	27.5	14	17
34.150.10LM16	L	10	8	6.0	44.0	15.0	40.0	29.0	14	19
34.150.12LM18	L	12	10	8.0	48.0	17.0	42.0	29.5	17	22
34.150.15LM22	L	15	12	10.0	56.0	21.0	46.0	32.5	19	27
34.150.18LM26	L	18	15	13.0	62.0	23.5	50.0	35.5	24	32
34.150.22LM30	L	22	19	17.0	70.0	27.5	55.0	38.5	27	36
34.150.28LM36	L	28	24	22.0	76.0	30.5	59.0	41.5	36	41
34.150.35LM45	L	35	30	28.0	90.0	34.5	68.5	51.0	41	50
34.150.42LM52	L	42	36	34.0	102.0	40.0	75.0	56.0	50	60
34.150.06SM14	S	6	4	2.5	46.0	16.0	40.0	27.0	14	17
34.150.08SM16	S	8	5	4.0	48.0	17.0	42.5	27.5	17	19
34.150.10SM18	S	10	7	6.0	50.0	17.5	45.0	30.0	19	22
34.150.12SM20	S	12	8	8.0	58.0	21.5	48.0	31.5	17	24
34.150.14SM22	S	14	10	9.0	60.0	22.0	54.0	35.0	19	27
34.150.16SM24	S	16	12	11.0	66.0	24.5	55.0	36.5	24	30
34.150.20SM30	S	20	16	14.0	74.0	26.5	65.0	44.5	27	36
34.150.25SM36	S	25	20	18.0	84.0	30.0	73.0	50.0	36	46
34.150.30SM42	S	30	25	23.0	98.0	35.5	78.5	55.0	41	50
34.150.38SM52	S	38	32	30.0	114.0	41.0	89.0	63.0	50	60

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

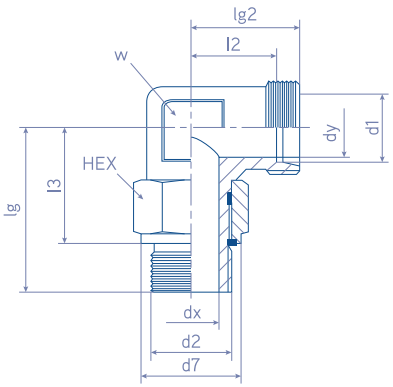
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Balflex®

BSP Male Ajustable 90º Elbow Tube Connector



34.143.

ISO 8434-1 tube coupling and DIN ISO 1179-2 Form-E BSP Thread

REFERENCE	serie	dimensions (mm)										
		Ø tube d1	d2	d7	dx	dy	lg	lg2	l2	l3	w	HEX
34.143.06LR02	L	6	1/8"	13.9	4.0	4.0	29.0	21.0	14.0	21.0	14	14
34.143.08LR04	L	8	1/4"	18.9	7.0	6.0	38.0	23.0	16.0	26.0	17	19
34.143.10LR04	L	10	1/4"	18.9	7.0	8.0	38.0	24.0	17.0	26.0	17	19
34.143.12LR06	L	12	3/8"	21.9	10.0	10.0	41.0	26.0	19.0	29.0	19	22
34.143.15LR08	L	15	1/2"	26.9	12.5	12.0	44.0	28.0	21.0	30.0	22	27
34.143.18LR08	L	18	1/2"	26.9	12.5	15.0	51.0	33.0	25.5	37.0	27	27
34.143.22LR12	L	22	3/4"	35.9	18.0	19.0	55.0	35.0	27.5	39.0	27	36
34.143.28LR16	L	28	1"	40.9	21.5	24.0	68.5	40.0	32.5	50.5	41	41
34.143.35LR20	L	35	1.1/4"	49.9	27.5	30.0	76.0	46.5	36.0	56.0	50	50
34.143.42LR24	L	42	1.1/2"	54.9	33.0	36.0	79.5	51.0	40.0	57.5	50	55
34.143.06SR04	S	6	1/4"	18.9	6.0	4.0	38.0	25.0	18.0	26.0	17	19
34.143.08SR04	S	8	1/4"	18.9	7.0	5.0	38.0	25.0	18.0	26.0	17	19
34.143.10SR06	S	10	3/8"	21.9	10.0	7.0	41.0	27.0	19.5	29.0	19	22
34.143.12SR06	S	12	3/8"	21.9	10.0	8.0	41.0	29.0	21.5	29.0	19	22
34.143.14SR08	S	14	1/2"	26.9	10.0	10.0	44.0	30.0	22.0	30.0	24	27
34.143.16SR08	S	16	1/2"	26.9	10.0	12.0	51.0	35.0	26.5	37.0	27	27
34.143.20SR12	S	20	3/4"	35.9	15.5	16.0	55.0	38.0	27.5	39.0	27	36
34.143.25SR16	S	25	1"	40.9	21.5	20.0	68.5	44.0	32.0	50.5	41	41
34.143.30SR20	S	30	1.1/4"	49.9	27.5	25.0	76.0	50.0	36.5	56.0	50	50
34.143.38SR24	S	38	1.1/2"	54.9	33.0	32.0	79.5	57.0	41.0	57.5	50	55

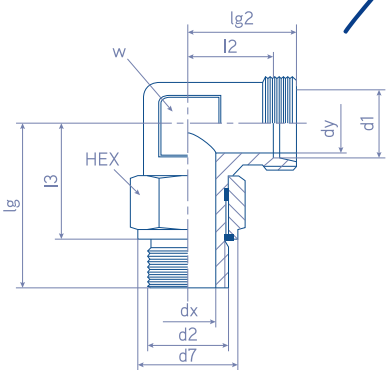
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Metric Male Ajustable 90º Elbow Tube Connector



34.144.

ISO 8434-1 tube coupling and ISO 9974-2 Form-E Metric Thread

REFERENCE	serie	dimensions (mm)										
		Ø tube d1	d2	d7	dx	dy	lg	lg2	l2	l3	w	HEX
34.144.06LM10	L	6	M10x1.0	13.9	4.5	4.0	29.5	21.0	14.0	21.5	14	14
34.144.08LM12	L	8	M12x1.5	16.9	6.0	6.0	36.5	23.0	16.0	24.5	17	19
34.144.10LM14	L	10	M14x1.5	18.9	7.5	8.0	39.0	24.0	17.0	27.0	17	19
34.144.12LM16	L	12	M16x1.5	21.9	9.0	10.0	40.0	26.0	19.0	28.0	19	22
34.144.15LM18	L	15	M18x1.5	23.9	11.0	12.0	32.0	28.0	21.0	30.0	22	27
34.144.18LM22	L	18	M22x1.5	26.9	14.0	15.0	49.5	33.0	25.5	35.5	27	27
34.144.22LM26	L	22	M26x1.5	31.9	18.0	19.0	53.0	35.0	27.5	37.0	27	36
34.144.28LM33	L	28	M33x2.0	40.9	23.0	24.0	68.5	40.0	32.5	50.5	41	41
34.144.35LM42	L	35	M42x2.0	49.9	30.0	30.0	75.5	46.5	36.0	55.5	50	50
34.144.42LM48	L	42	M48x2.0	54.9	36.0	36.0	79.5	51.0	40.0	57.5	50	55
34.144.06SM12	S	6	M12x1.5	16.9	4.0	4.0	36.5	25.0	18.0	24.5	17	19
34.144.08SM14	S	8	M14x1.5	18.9	6.0	5.0	39.0	25.0	18.0	27.0	17	19
34.144.10SM16	S	10	M16x1.5	21.9	7.0	7.0	40.0	27.0	19.5	28.0	19	22
34.144.12SM18	S	12	M18x1.5	23.9	9.0	8.0	42.0	29.0	21.5	30.0	19	22
34.144.16SM22	S	16	M22x1.5	26.9	12.0	12.0	49.5	35.0	26.5	35.5	27	27
34.144.20SM27	S	20	M27x2.0	31.9	15.0	16.0	56.0	38.0	27.5	40.0	27	36
34.144.25SM33	S	25	M33x2.0	40.9	20.0	20.0	68.5	44.0	32.0	50.5	41	41
34.144.30SM42	S	30	M42x2.0	49.9	26.0	25.0	75.5	50.0	36.5	55.5	50	50
34.144.38SM48	S	38	M48x2.0	54.9	32.0	32.0	79.5	57.0	41.0	57.5	50	55

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

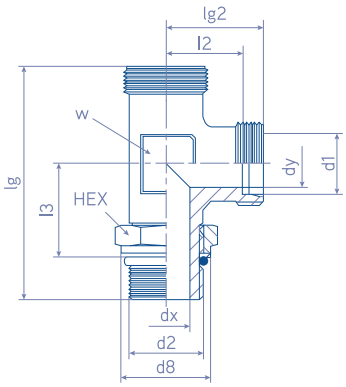
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Metric Male Run Tee Tube Connector



34.148.

ISO 8434-1 tube coupling and ISO 9974-2 Form-E Metric Thread

REFERENCE	serie	dimensions (mm)										
		Ø tube d1	d2	d8	dx	dy	lg	lg2	l2	l3	w	HEX
34.148.06LM10	L	6	M10x1.0	14.5	4.5	4.0	44.0	27.0	15.0	20.0	14	14
34.148.08LM12	L	8	M12x1.5	17.5	6.0	6.0	44.0	32.0	15.0	22.0	14	17
34.148.10LM14	L	10	M14x1.5	19.5	7.5	8.0	49.0	35.0	17.5	25.0	17	19
34.148.12LM16	L	12	M16x1.5	22.5	9.0	10.0	54.0	36.0	20.0	26.0	19	22
34.148.15LM18	L	15	M18x1.5	24.5	11.0	12.0	56.0	41.0	21.0	30.0	22	24
34.148.18LM22	L	18	M22x1.5	27.5	14.0	15.0	66.0	45.0	25.5	33.0	27	27
34.148.22LM26	L	22	M26x1.5	32.5	18.0	19.0	70.0	49.0	27.5	35.0	27	32
34.148.28LM33	L	28	M33x2.0	41.5	23.0	24.0	76.0	52.0	30.5	38.0	36	41
34.148.35LM42	L	35	M42x2.0	50.5	30.0	30.0	90.0	62.0	34.5	48.0	41	50
34.148.42LM48	L	42	M48x2.0	55.5	36.0	36.0	102.0	65.0	40.0	49.0	50	55
34.148.06SM12	S	6	M12x1.5	17.5	4.0	4.0	44.0	32.0	15.0	22.0	17	17
34.148.08SM14	S	8	M14x1.5	19.5	6.0	5.0	54.0	36.0	20.0	26.0	19	19
34.148.10SM16	S	10	M16x1.5	22.5	7.0	7.0	55.0	38.0	20.0	27.0	19	22
34.148.12SM18	S	12	M18x1.5	24.5	9.0	8.0	58.0	43.0	21.5	31.0	22	24
34.148.16SM22	S	16	M22x1.5	27.5	12.0	12.0	66.0	49.0	24.5	35.0	22	27
34.148.20SM27	S	20	M27x2.0	32.5	15.0	16.0	74.0	55.0	26.5	39.0	27	32
34.148.25SM33	S	25	M33x2.0	41.5	20.0	20.0	84.0	60.0	30.0	44.0	36	41
34.148.30SM42	S	30	M42x2.0	50.5	26.0	25.0	98.0	68.0	35.5	51.0	41	50
34.148.38SM48	S	38	M48x2.0	55.5	32.0	32.0	114.0	73.0	41.0	54.0	50	55

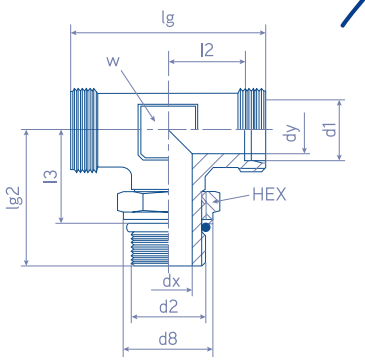
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Metric Male Branch Tee Tube Connector



34.152.

ISO 8434-1 tube coupling and ISO 9974-2 Form-E Metric Thread

REFERENCE	serie	dimensions (mm)										
		Ø tube d1	d2	d8	dx	dy	lg	lg2	l2	l3	w	HEX
34.152.06LM10	L	6	M10x1.0	14.5	4.5	4.0	48.0	21.0	14.0	20.0	14	14
34.152.08LM12	L	8	M12x1.5	17.5	6.0	6.0	55.0	23.0	16.0	22.0	14	17
34.152.10LM14	L	10	M14x1.5	19.5	7.5	8.0	59.0	24.0	17.0	25.0	17	19
34.152.12LM16	L	12	M16x1.5	22.5	9.0	10.0	62.0	26.0	19.0	26.0	19	22
34.152.15LM18	L	15	M18x1.5	24.5	11.0	12.0	69.0	28.0	21.0	30.0	22	24
34.152.18LM22	L	18	M22x1.5	27.5	14.0	15.0	79.0	34.0	26.5	33.0	27	27
34.152.22LM26	L	22	M26x1.5	32.5	18.0	19.0	84.0	35.0	27.5	35.0	27	32
34.152.28LM33	L	28	M33x2.0	41.5	23.0	24.0	90.0	38.0	30.5	38.0	36	41
34.152.35LM42	L	35	M42x2.0	50.5	30.0	30.0	107.0	45.0	34.5	48.0	41	50
34.152.42LM48	L	42	M48x2.0	55.5	36.0	36.0	116.0	51.0	40.0	49.0	50	55
34.152.06SM12	S	6	M12x1.5	17.5	4.0	4.0	55.0	23.0	16.0	22.0	17	17
34.152.08SM14	S	8	M14x1.5	19.5	6.0	5.0	60.0	24.0	17.0	26.0	19	19
34.152.10SM16	S	10	M16x1.5	22.5	7.0	7.0	65.0	27.0	19.5	27.0	19	22
34.152.12SM18	S	12	M18x1.5	24.5	9.0	8.0	75.0	32.0	24.5	31.0	22	24
34.152.16SM22	S	16	M22x1.5	27.5	12.0	12.0	82.0	33.0	24.5	35.0	22	27
34.152.20SM27	S	20	M27x2.0	32.5	15.0	16.0	92.0	37.0	26.5	39.0	27	32
34.152.25SM33	S	25	M33x2.0	41.5	20.0	20.0	102.0	42.0	30.0	44.0	36	41
34.152.30SM42	S	30	M42x2.0	50.5	26.0	25.0	117.0	49.0	35.5	51.0	41	50
34.152.38SM48	S	38	M48x2.0	55.5	32.0	32.0	130.0	57.0	41.0	54.0	50	55

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

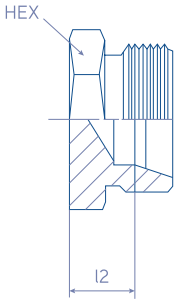
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Tube Blanking Screw



34.175.

ISO 8434-1 Plug

REFERENCE	serie	dimensions (mm)		
		Ø tube d1	l2	HEX
34.175.06L	L	6	7.0	12
34.175.08L	L	8	8.0	14
34.175.10L	L	10	9.0	17
34.175.12L	L	12	10.0	19
34.175.15L	L	15	11.0	24
34.175.18L	L	18	11.5	27
34.175.22L	L	22	13.5	32
34.175.28L	L	28	14.5	41
34.175.35L	L	35	14.5	46
34.175.42L	L	42	18.5	55
34.175.06S	S	6	11.0	14
34.175.08S	S	8	13.0	17
34.175.10S	S	10	12.5	19
34.175.12S	S	12	14.5	22
34.175.14S	S	14	16.0	24
34.175.16S	S	16	15.5	27
34.175.20S	S	20	17.5	32
34.175.25S	S	25	20.0	41
34.175.30S	S	30	20.5	46
34.175.38S	S	38	23.0	55

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

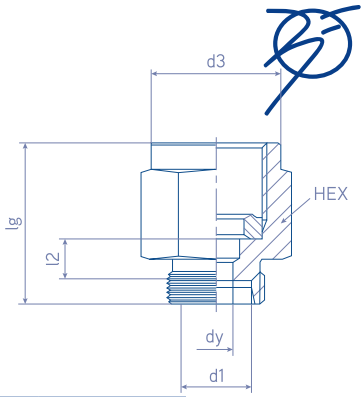
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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BSP Gauge Tube Connector

34.159.



REFERENCE	serie	dimensions (mm)					
		Ø tube d1	d3	dy	lg	l2	HEX
34.159.06LR04	L	6	1/4"	4.0	29.0	7.5	19
34.159.08LR04	L	8	1/4"	4.0	29.0	7.5	19
34.159.10LR04	L	10	1/4"	4.0	30.0	8.5	19
34.159.12LR04	L	12	1/4"	4.0	30.0	8.5	19

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

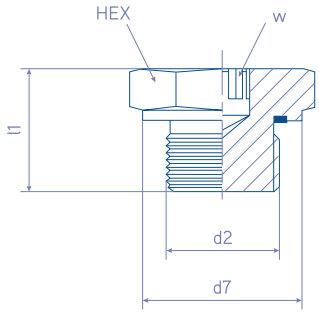
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Metric Plug with Hexagon Socket

34.177.

ISO 8434-1 Plug



REFERENCE	dimensions (mm)				
	d2	d7	l1	W	HEX
34.177.M10	M10X1.0	13.9	18.0	5	14
34.177.M12	M12x1.5	17.0	17.3	6	17
34.177.M14	M14x1.5	18.9	22.0	8	19
34.177.M16	M16x1.5	21.9	17.3	8	22
34.177.M18	M18x1.5	23.9	22.0	8	24
34.177.M20	M20x1.5	25.9	19.3	10	27
34.177.M22	M22x1.5	27.0	19.3	10	30
34.177.M24	M24x1.5	29.9	19.3	12	32
34.177.M26	M26x1.5	31.9	21.3	12	36
34.177.M27	M27x2.0	32.0	21.3	12	36
34.177.M33	M33x2.0	46.0	33.0	17	41
34.177.M42	M42x2.0	49.9	22.8	22	46
34.177.M48	M48x2.0	55.0	22.8	24	50

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

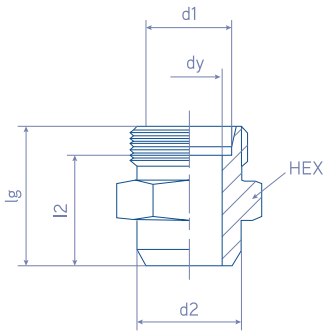
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Balflex®

Straight Welding Tube Connector



34.155.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)					
		Ø tube d1	d2	dy	lg	l2	HEX
34.155.06L	L	6	10.0	4.0	21.0	14.0	12
34.155.08L	L	8	12.0	6.0	23.0	16.0	14
34.155.10L	L	10	14.0	8.0	25.0	16.0	17
34.155.12L	L	12	16.0	10.0	25.0	18.0	19
34.155.15L	L	15	19.0	12.0	29.0	22.0	22
34.155.18L	L	18	22.0	15.0	31.0	23.5	27
34.155.22L	L	22	27.0	19.0	36.0	28.5	32
34.155.28L	L	28	32.0	24.0	38.0	30.5	41
34.155.35L	L	35	40.0	30.0	43.0	32.5	46
34.155.42L	L	42	46.0	36.0	46.0	35.0	55
34.155.06S	S	6	11.0	4.0	26.0	19.0	14
34.155.08S	S	8	13.0	5.0	28.0	21.0	17
34.155.10S	S	10	15.0	7.0	30.0	22.5	19
34.155.12S	S	12	17.0	8.0	32.0	24.5	22
34.155.14S	S	14	19.0	10.0	35.0	27.0	24
34.155.16S	S	16	21.0	12.0	35.0	26.5	27
34.155.20S	S	20	26.0	16.0	40.0	29.5	32
34.155.25S	S	25	31.0	20.0	44.0	32.0	41
34.155.30S	S	30	36.0	25.0	49.0	35.5	46
34.155.38S	S	38	44.0	32.0	54.0	38.0	55

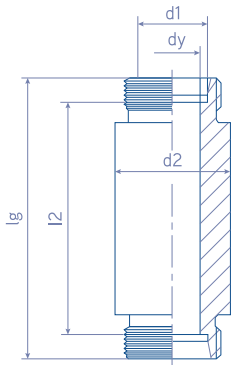
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Bulkhead Welding Tube Connector



34.156.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)				
		Ø tube d1	d2	dy	lg	l2
34.156.06L	L	6	18.0	4.0	70.0	56.0
34.156.08L	L	8	20.0	6.0	70.0	56.0
34.156.10L	L	10	22.0	8.0	72.0	58.0
34.156.12L	L	12	25.0	10.0	72.0	58.0
34.156.15L	L	15	28.0	12.0	84.0	70.0
34.156.18L	L	18	32.0	15.0	84.0	69.0
34.156.22L	L	22	36.0	19.0	88.0	73.0
34.156.28L	L	28	40.0	24.0	88.0	73.0
34.156.35L	L	35	50.0	30.0	92.0	71.0
34.156.42L	L	42	60.0	36.0	92.0	70.0
34.156.06S	S	6	20.0	4.0	74.0	60.0
34.156.08S	S	8	22.0	5.0	74.0	60.0
34.156.10S	S	10	25.0	7.0	74.0	59.0
34.156.12S	S	12	28.0	8.0	74.0	59.0
34.156.14S	S	14	30.0	10.0	88.0	72.0
34.156.16S	S	16	35.0	12.0	88.0	71.0
34.156.20S	S	20	38.0	16.0	92.0	71.0
34.156.25S	S	25	45.0	20.0	96.0	72.0
34.156.30S	S	30	50.0	25.0	100.0	73.0
34.156.38S	S	38	60.0	32.0	104.0	72.0

MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

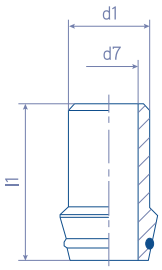
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Balflex®

Welding Nipple With O-ring



34.157.

ISO 8434-1 tube coupling

REFERENCE	serie	dimensions (mm)		
		Ø tube d1	d7	l1
34.157.06LS	L/S	6	3.0	31.0
34.157.08LS	L/S	8	5.0	31.0
34.157.10LS	L/S	10	8.0	32.5
34.157.12LS	L/S	12	9.0	32.5
34.157.15L	L	15	11.0	34.5
34.157.18L	L	18	13.0	36.0
34.157.22L	L	22	17.0	38.5
34.157.28L	L	28	23.0	41.5
34.157.35L	L	35	28.0	47.5
34.157.42L	L	42	36.0	47.5
34.157.14S	S	6	10.0	38.5
34.157.16S	S	8	13.0	39.0
34.157.20S	S	10	16.0	45.0
34.157.25S	S	12	20.0	50.0
34.157.30S	S	14	24.0	52.0
34.157.38S	S	16	32.0	56.5

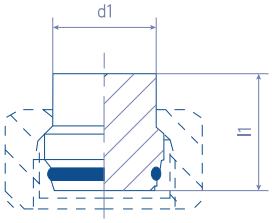
MATERIAL: Carbon Steel

FINISH: : Chromium-(VI) Free plating

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Blanking Nipple



34.158.

ISO 8434-1 nipple

REFERENCE	serie	dimensions (mm)	
		Ø tube d1	l1
34.158.06LS	L/S	6	18.5
34.158.08LS	L/S	8	19.0
34.158.10LS	L/S	10	21.0
34.158.12LS	L/S	12	21.5
34.158.15L	L	15	20.5
34.158.18L	L	18	23.5
34.158.22L	L	22	26.0
34.158.28L	L	28	26.5
34.158.35L	L	35	32.0
34.158.42L	L	42	32.5
34.158.14S	S	6	24.0
34.158.16S	S	8	25.0
34.158.20S	S	10	30.5
34.158.25S	S	12	32.5
34.158.30S	S	14	35.5
34.158.38S	S	16	40.5

MATERIAL: Carbon Steel

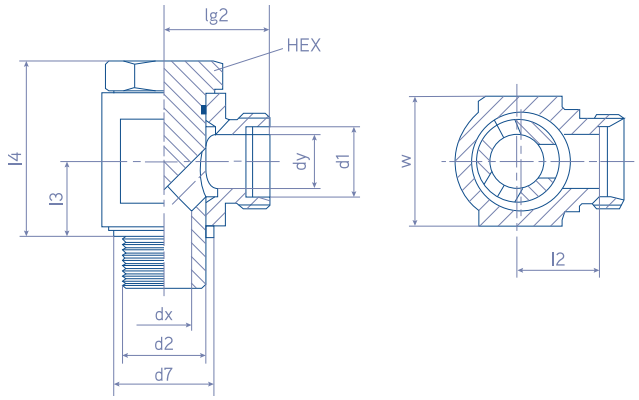
FINISH: : Chromium-(VI) Free plating

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Balflex®

BSP Banjo Tube Connector



34.113.

ISO 8434-1 tube coupling and DIN ISO 1179-1 Form-B
BSP Thread

REFERENCE	serie	dimensions (mm)										
		Ø tube d1	d2	d7	dx	dy	lg2	l2	l3	l4	w	HEX
34.113.06LR02	L	6	1/8"	14.9	4.0	4.0	19.0	12.0	10.5	25.3	19	17
34.113.08LR04	L	8	1/4"	18.9	6.0	6.0	21.5	14.5	14.0	31.5	22	19
34.113.10LR04	L	10	1/4"	18.9	8.0	8.0	22.5	15.5	14.0	33.0	22	19
34.113.12LR06	L	12	3/8"	21.9	10.0	10.0	25.0	18.0	16.5	38.5	27	22
34.113.15LR08	L	15	1/2"	26.9	12.0	12.0	29.0	22.0	21.5	45.5	32	27
34.113.18LR08	L	18	1/2"	26.9	15.0	15.0	29.0	21.5	21.5	47.5	36	27
34.113.22LR12	L	22	3/4"	32.9	19.0	19.0	36.0	28.5	24.0	56.5	46	36
34.113.28LR16	L	28	1"	39.9	24.0	24.0	39.0	31.5	30.5	68.0	50	41
34.113.35LR20	L	35	1.1/4"	49.9	30.0	30.0	46.0	35.5	35.5	78.0	60	50
34.113.42LR24	L	42	1.1/2"	55.9	36.0	36.0	51.0	40.0	40.5	88.5	70	60
34.113.06SR04	S	6	1/4"	18.9	4.0	4.0	23.5	16.5	14.0	30.5	22	19
34.113.08SR04	S	8	1/4"	18.9	5.0	5.0	23.5	16.5	14.0	31.0	22	19
34.113.10SR06	S	10	3/8"	21.9	7.0	7.0	26.0	18.5	16.5	37.0	27	22
34.113.12SR06	S	12	3/8"	21.9	8.0	8.0	26.0	18.5	16.5	37.5	27	22
34.113.14SR08	S	14	1/2"	26.9	10.0	10.0	31.0	23.0	21.5	44.0	32	27
34.113.16SR08	S	16	1/2"	26.9	12.0	12.0	31.0	22.5	21.5	47.0	36	27
34.113.20SR12	S	20	3/4"	32.9	16.0	16.0	38.0	27.5	24.0	55.0	46	36
34.113.25SR16	S	25	1"	39.9	20.0	20.0	43.0	31.0	30.5	66.5	50	41
34.113.30SR20	S	30	1.1/4"	49.9	25.0	25.0	50.0	36.5	35.5	75.5	60	50
34.113.38SR24	S	38	1.1/2"	55.9	32.0	32.0	57.0	41.0	40.5	86.5	70	60

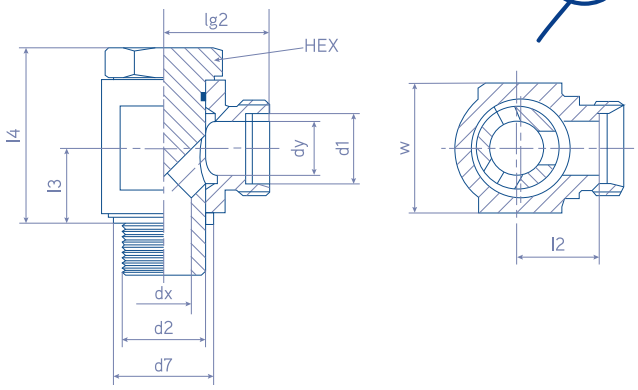
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Metric Banjo Tube Connector



34.114.

ISO 8434-1 tube coupling and ISO 9974-1 Form-B
Metric Thread

REFERENCE	serie	dimensions (mm)										
		Ø tube d1	d2	d7	dx	dy	lg2	l2	l3	l4	w	HEX
34.114.06LM10	L	6	M10x1.0	14.9	4.0	4.0	19.0	12.0	10.5	25.3	19	14
34.114.08LM12	L	8	M12x1.5	17.0	6.0	6.0	21.5	14.5	14.0	31.5	22	17
34.114.10LM14	L	10	M14x1.5	18.9	8.0	8.0	22.5	15.5	14.0	33.0	22	19
34.114.12LM16	L	12	M16x1.5	21.9	10.0	10.0	25.0	18.0	16.5	38.5	27	22
34.114.15LM18	L	15	M18x1.5	26.9	12.0	12.0	29.0	22.0	21.5	45.5	32	24
34.114.18LM22	L	18	M22x1.5	26.9	15.0	15.0	29.0	21.5	21.5	47.5	36	27
34.114.22LM26	L	22	M26x1.5	32.9	19.0	19.0	36.0	28.5	24.0	56.5	46	32
34.114.28LM33	L	28	M33x2.0	39.9	24.0	24.0	39.0	31.5	30.5	68.0	50	41
34.114.35LM42	L	35	M42x2.0	49.9	30.0	30.0	46.0	35.5	35.5	78.0	60	50
34.114.42LM48	L	42	M48x2.0	55.9	36.0	36.0	51.0	40.0	40.5	88.5	70	60
34.114.06SM12	S	6	M12x1.5	17.0	4.0	4.0	23.5	16.5	14.0	30.5	22	17
34.114.08SM14	S	8	M14x1.5	18.9	5.0	5.0	23.5	16.5	14.0	31.0	22	19
34.114.10SM16	S	10	M16x1.5	21.9	7.0	7.0	26.0	18.5	16.5	37.0	27	22
34.114.12SM18	S	12	M18x1.5	23.9	8.0	8.0	26.0	18.5	16.5	37.5	27	24
34.114.16SM22	S	16	M22x1.5	26.9	12.0	12.0	31.0	22.5	21.5	47.0	36	27
34.114.20SM27	S	20	M27x2.0	32.9	16.0	16.0	38.0	27.5	24.0	55.0	46	36
34.114.25SM33	S	25	M33x2.0	39.9	20.0	20.0	43.0	31.0	30.5	66.5	50	41
34.114.30SM42	S	30	M42x2.0	49.9	25.0	25.0	50.0	36.5	35.5	75.5	60	50
34.114.38SM48	S	38	M48x2.0	55.9	32.0	32.0	57.0	41.0	40.5	86.5	70	60

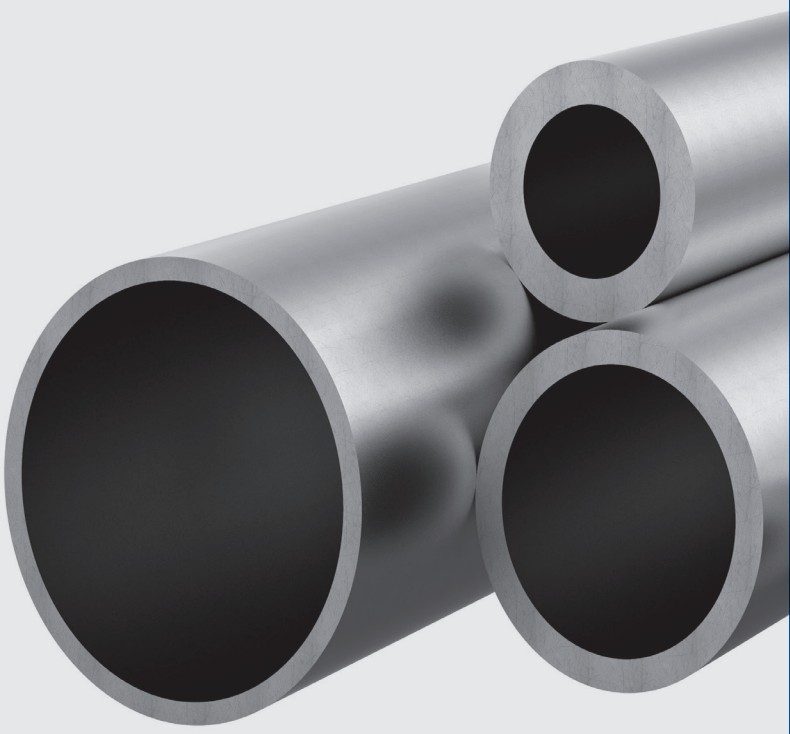
MATERIAL: Carbon Steel
FINISH: : Chromium-(VI) Free plating

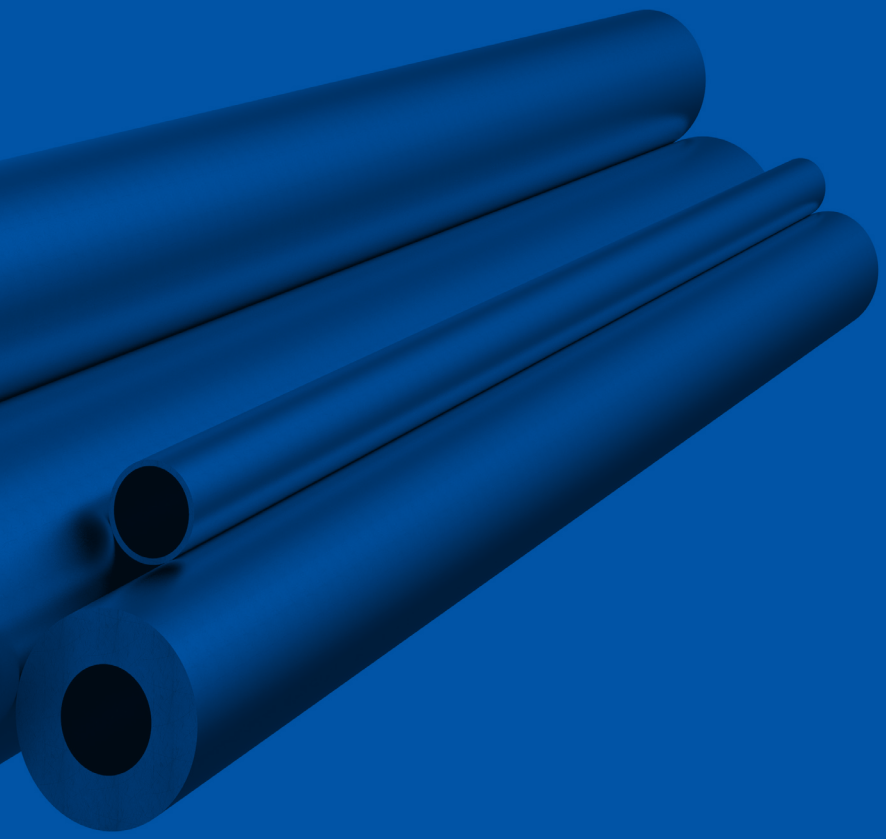
COMPLETE: With Double Edge Compression Ring and Tightening Nut (add an 'P' at the begin of REFERENCE)

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

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Seamless Tube





Balflex®

Cold Drawn Seamless Tube



34.205.

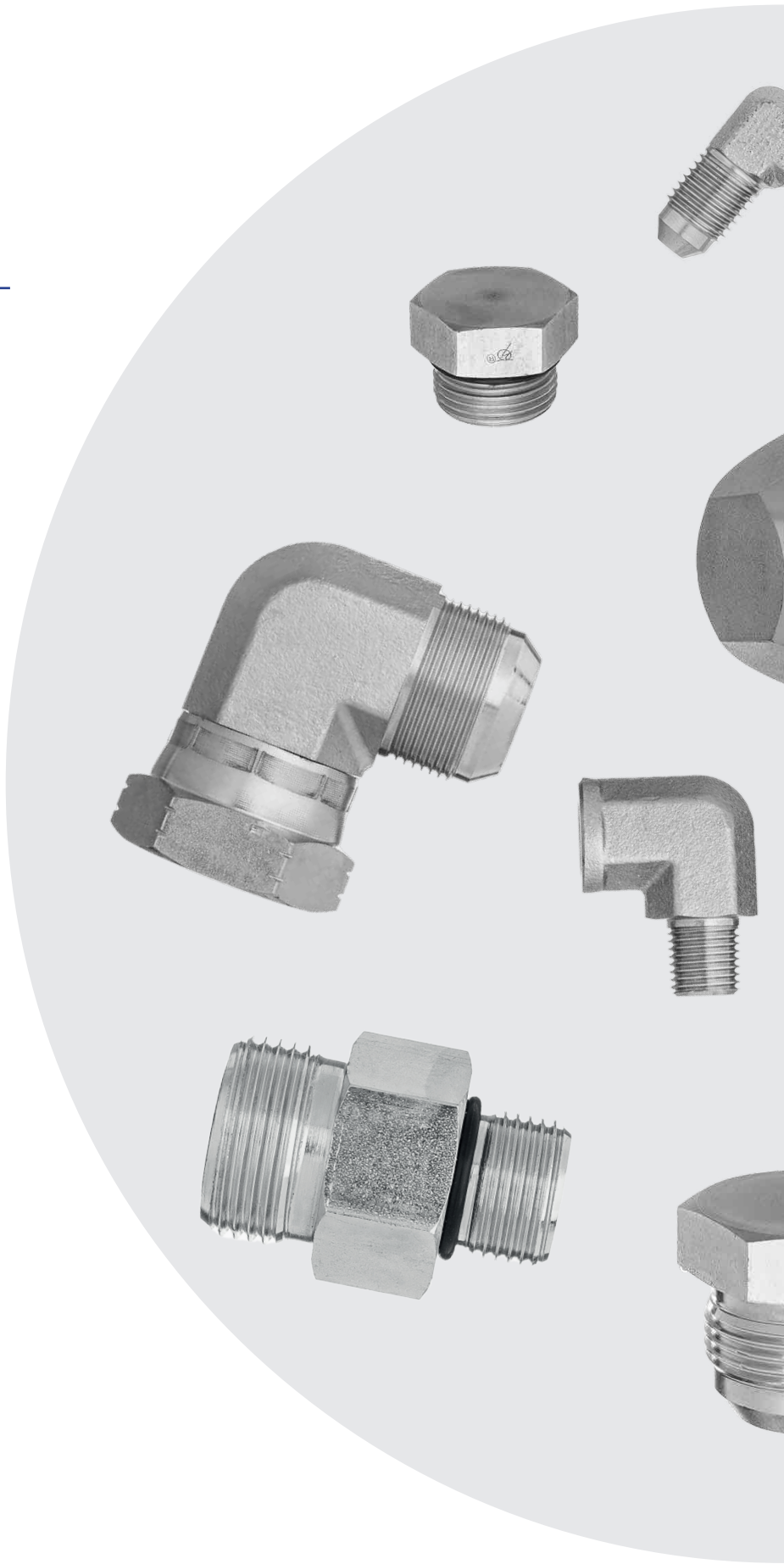
DIN 2391-C / EN ISO 10305-4

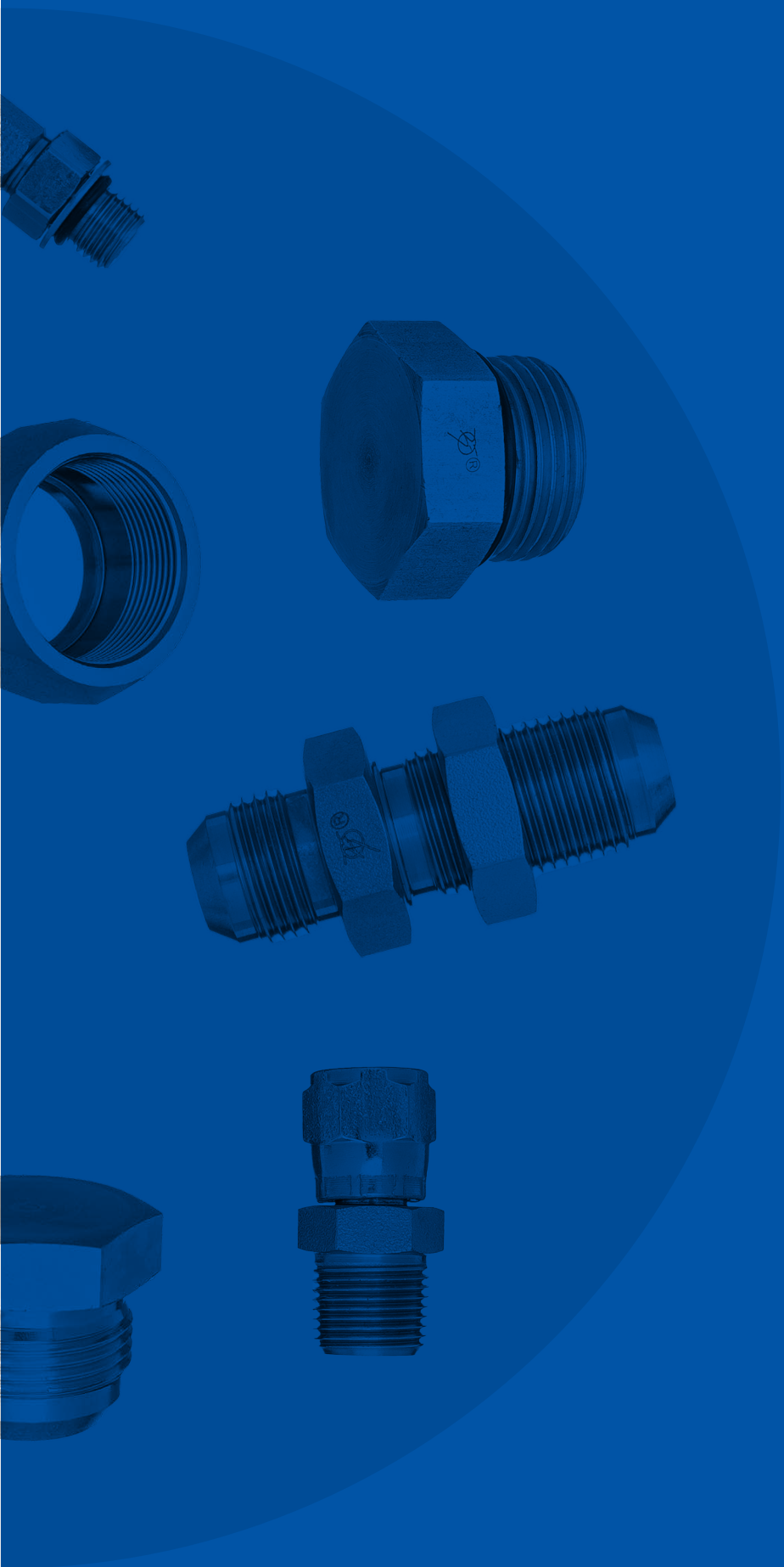
#	Specification Tube (O.D x W.T)	mm	mm	Wall Thickness mm	DIN2413 I statics Bar	DIN2413 I statics PSI	DIN2413 II dynamics Bar	DIN2413 II dynamics PSI	Weight kg/m
34.205.0405G	4 x 0.5	3	4	0.5	**313**	4539	**273**	3959	0.047
34.205.0408G	4 x 0.75	2.5	4	0.75	**470**	6815	**391**	5670	0.063
34.205.0410G	4 x 1	2	4	1	**627**	9092	**500**	7250	0.074
34.205.0610G	6 x 1	4	6	1	**444**	6438	**372**	5394	0.123
34.205.0615G	6 x 1.5	3	6	1.5	**666**	9657	**526**	7627	0.166
34.205.0620G	6 x 2	2	6	2	**692**	10034	**662**	9599	0.197
34.205.0810G	8 x 1	6	8	1	**333**	4829	**288**	4176	0.173
34.205.0815G	8 x 1.5	5	8	1.5	**499**	7236	**412**	5974	0.240
34.205.0820G	8 x 2	4	8	2	**666**	9657	**526**	7627	0.296
34.205.1010G	10 x 1	8	10	1	**282**	4089	**248**	3596	0.222
34.205.1015G	10 x 1.5	7	10	1.5	**423**	6134	**357**	5177	0.314
34.205.1020G	10 x 2	6	10	2	**564**	8178	**458**	6641	0.395
34.205.1210G	12 x 1	10	12	1	**235**	3408	**209**	3031	0.271
34.205.1215G	12 x 1.5	9	12	1.5	**353**	5119	**303**	4394	0.388
34.205.1220G	12 x 2	8	12	2	**470**	6815	**391**	5670	0.493
34.205.1225G	12 x 2.5	7	12	2.5	**588**	8526	**474**	6873	0.586
34.205.1415G	14 x 1.5	11	14	1.5	**302**	4379	**264**	3828	0.462
34.205.1420G	14 x 2	10	14	2	**403**	5844	**342**	4959	0.592
34.205.1425G	14 x 2.5	9	14	2.5	**504**	7308	**415**	6018	0.709
34.205.1430G	14 x 3	8	14	3	**604**	8758	**485**	7033	0.814
34.205.1510G	15 x 1	13	15	1	**188**	2726	**170**	2465	0.345
34.205.1515G	15 x 1.5	12	15	1.5	**282**	4089	**248**	3596	0.499
34.205.1520G	15 x 2	11	15	2	**376**	5452	**321**	4655	0.641
34.205.1615G	16 x 1.5	13	16	1.5	**264**	3828	**233**	3379	0.536
34.205.1620G	16 x 2	12	16	2	**353**	5119	**303**	4394	0.691
34.205.1625G	16 x 2.5	11	16	2.5	**441**	6395	**370**	5365	0.832
34.205.1630G	16 x 3	10	16	3	**529**	7671	**433**	6279	0.962
34.205.1815G	18 x 1.5	15	18	1.5	**235**	3408	**209**	3031	0.610
34.205.1820G	18 x 2	14	18	2	**313**	4539	**273**	3959	0.789
34.205.1825G	18 x 2.5	13	18	2.5	**392**	5684	**333**	4829	0.956
34.205.1830G	18 x 3	12	18	3	**470**	6815	**391**	5670	1.111
34.205.2015G	20 x 1.5	17	20	1.5	**212**	3074	**190**	2755	0.684
34.205.2020G	20 x 2	16	20	2	**282**	4089	**248**	3596	0.888
34.205.2025G	20 x 2.5	15	20	2.5	**353**	5119	**303**	4394	1.079
34.205.2030G	20 x 3	14	20	3	**423**	6134	**357**	5177	1.258
34.205.2035G	20 x 3.5	13	20	3.5	**494**	7163	**408**	5916	1.424

#	Specification Tube (O.D x W.T)	 mm	 mm	Wall Thickness mm	DIN2413 I Bar	DIN2413 I PSI	DIN2413 II Bar	DIN2413 II PSI	Weight kg/m
34.205.2040G	20 x 4	12	20	4	**564**	8178	**458**	6641	1.578
34.205.2215G	22 x 1.5	19	22	1.5	**192**	2784	**173**	2509	0.758
34.205.2220G	22 x 2	18	22	2	**256**	3712	**227**	3292	0.986
34.205.2225G	22 x 2.5	17	22	2.5	**320**	4640	**278**	4031	1.202
34.205.2230G	22 x 3	16	22	3	**385**	5583	**328**	4756	1.578
34.205.2520G	25 x 2	21	25	2	**226**	3277	**201**	2915	1.134
34.205.2525G	25 x 2.5	20	25	2.5	**282**	4089	**248**	3596	1.387
34.205.2530G	25 x 3	19	25	3	**338**	4901	**292**	4234	1.628
34.205.2540G	25 x 4	17	25	4	**451**	6540	**378**	5481	2.072
34.205.2815G	28 x 1.5	25	28	1.5	**151**	2190	**138**	2001	0.980
34.205.2820G	28 x 2	24	28	2	**201**	2915	**181**	2625	1.282
34.205.2825G	28 x 2.5	23	28	2.5	**252**	3654	**223**	3234	1.572
34.205.2830G	28 x 3	22	28	3	**302**	4379	**264**	3828	1.850
34.205.3025G	30 x 2.5	25	30	2.5	**235**	3408	**209**	3031	1.695
34.205.3030G	30 x 3	24	30	3	**282**	4089	**248**	3596	1.998
34.205.3040G	30 x 4	22	30	4	**376**	5452	**321**	4655	2.565
34.205.3050G	30 x 5	20	30	5	**470**	6815	**391**	5670	3.083
34.205.3520G	35 x 2	31	35	2	**161**	2335	**147**	2132	1.628
34.205.3525G	35 x 2.5	30	35	2.5	**201**	2915	**181**	2625	2.004
34.205.3530G	35 x 3	29	35	3	**242**	3509	**215**	3118	2.367
34.205.3540G	35 x 4	27	35	4	**322**	4669	**280**	4060	3.058
34.205.3825G	38 x 2.5	33	38	2.5	**186**	2697	**168**	2436	2.189
34.205.3830G	38 x 3	32	38	3	**223**	3234	**199**	2886	2.589
34.205.3840G	38 x 4	30	38	4	**297**	4669	**280**	4060	3.058
34.205.3850G	38 x 5	28	38	5	**186**	2697	**168**	2436	2.189
34.205.3860G	38 x 6	26	38	6	**223**	3234	**199**	2886	2.589
34.205.4220G	42 x 2	38	42	2	**134**	1943	**123**	1784	2.589
34.205.4230G	42 x 3	36	42	3	**201**	2915	**181**	2625	1.973
34.205.4240G	42 x 4	34	42	4	**269**	3901	**237**	3437	3.749
34.205.5060G	50 x 6	38	50	6	**338**	4901	**292**	4234	6.511

Dimensions and tolerances according to DIN 2391/1 – EN ISO 10305-4 (ISO 3304), and material conforming St 37.4
All **Balflex** pipes are normalized and controlled.
The Working Pressure indicated were determined in conforming with DIN213. Scope to application I, for primary static load at temperatures up to +120ºC (+248ºF)
Balflex covers the wide range needed in high performance piping system:
G -NBK/ZN – Normalized, electric zinc plated with Cr-VI-free passivation c. E355N (St 52.4)
PH– NBK – Normalized, phosphated and oiled inside and outside d. E355N (St 52.4)

Adapters Series 35





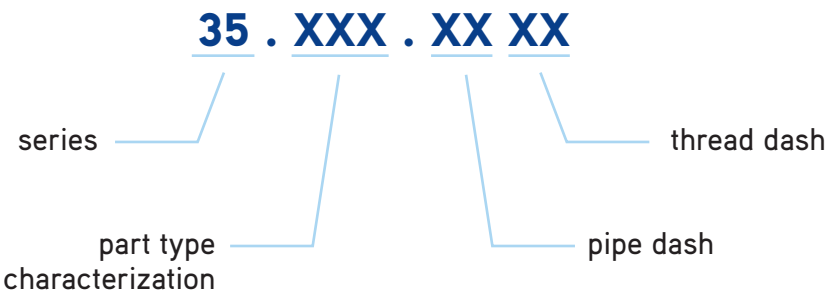
Balfit® SAE 37° Flared and NPT Connectors Hydraulic Pipe Fittings (Series 35)

*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:

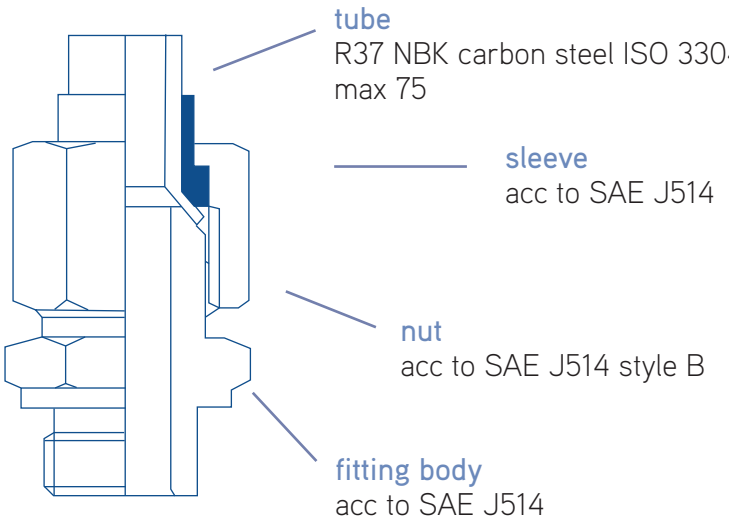


Flared tube operation principle

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® tree 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:

a) 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.

b) 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.

c) The tube is flared with appropriate machine and hardened tools (internal cone angle 74°, external cone angle 66°); check alignment of tube and flaring.

d) 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.*

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 35 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.

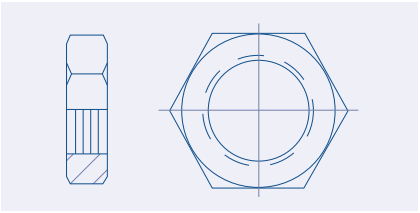
The failure of hydraulic lines may be dangerous and expose people and property to irreversible damage. Among other occurrences that must be prevented are the high velocity and high temperature projection of hydraulic fluid, the projection of connectors, pipes and it's parts, spillage or combustion of 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.

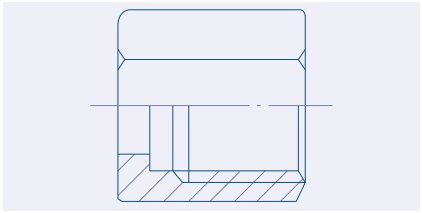
Recovered materials should never be used, as the degree of aging and fatigue is unknown and materials that pass visual inspection may be close to life limit. Good practice recommendations and standards exclude therefore the reutilization of used hose. The reutilization of recovered connectors should 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.

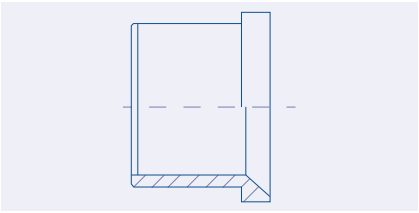
Important notice: ***Selection, assembly and installation of hydraulic lines require specific professional training.*** *This catalogue only supplies additional information and technical data for selection and use of Balfit® 37° flared fittings.*



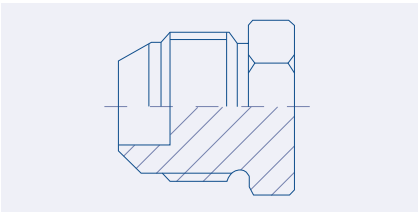
Bulkhead Locknut
35.017.
pag. 76



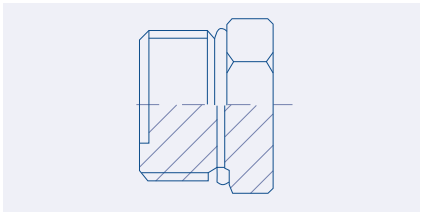
Tightening Nut
35.110.
pag. 77



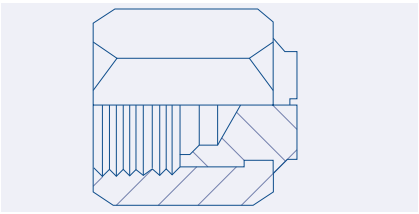
Tube Sleeve
35.120. / 35.121.
pag. 78



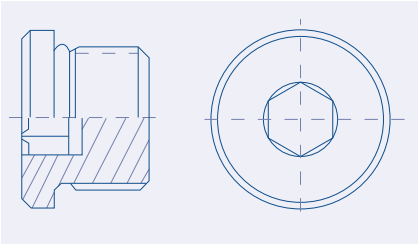
Plugs
35.140.
pag. 79



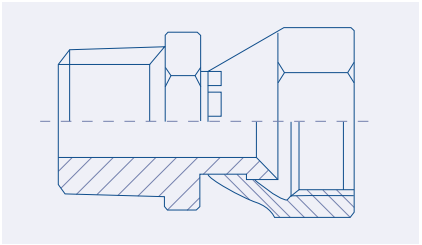
Plugs
35.141.
pag. 79



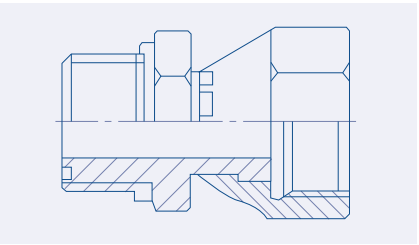
Cap
35.142.
pag. 80



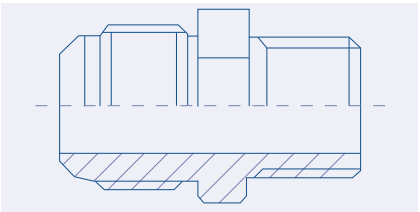
Hollow Hex Plug SAE – ORB
35.143.
pag. 81



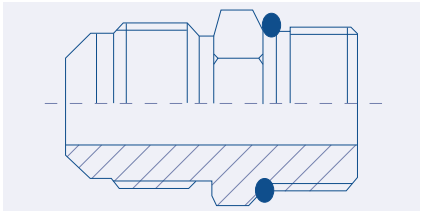
Swivel Connector JIC Female x NPT Male
35.160.
pag. 82



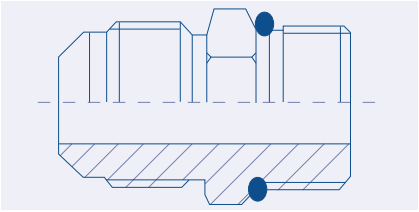
Swivel Connector JIC Female x SAE-ORB Male
35.180.
pag. 83



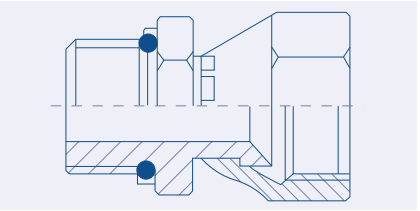
Male Connector (JIC x NPT)
35.200.
pag. 84



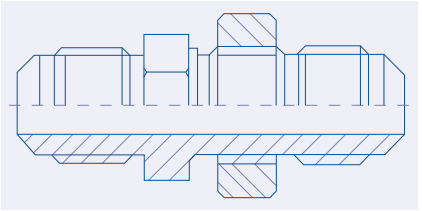
JIC x SAE-ORB Straight Male Connector
35.220.
pag. 86



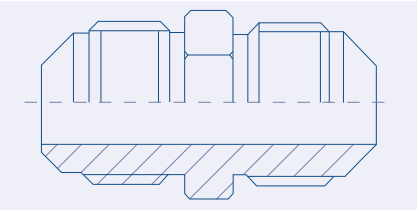
JIC x BSPP Male Connector
35.230.
pag. 87



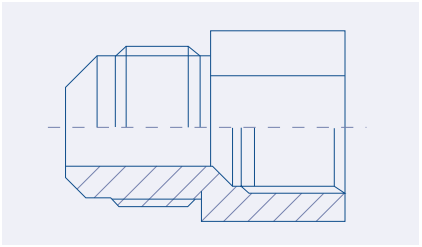
Swivel Connector JIC Female x BSPP Male
35.235.
pag. 88



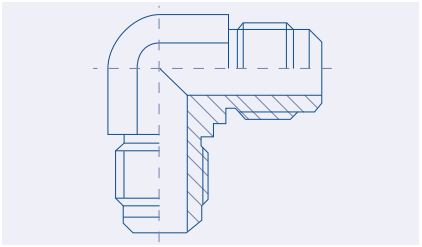
Straight Bulkhead Union JIC Male
35.250.
pag. 89



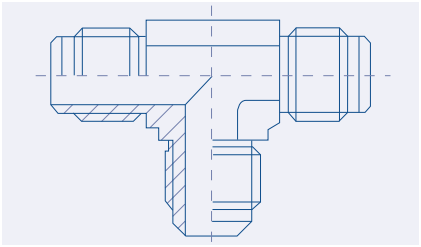
Straight JIC Male Union
35.260.
pag. 89



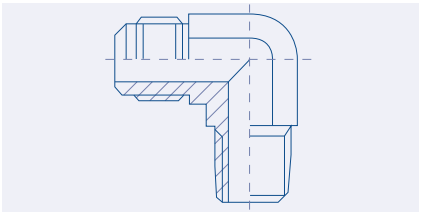
NPT Female x JIC Male Connector
35.280. pag. 90



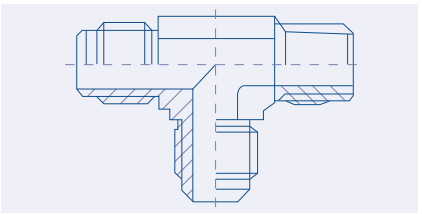
90° Elbow JIC Male Union
35.500. pag. 91



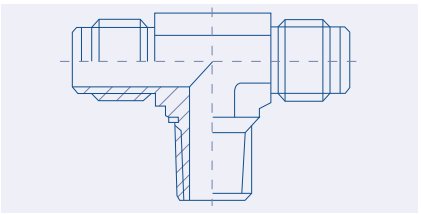
Union Tee JIC Male
35.505. pag. 91



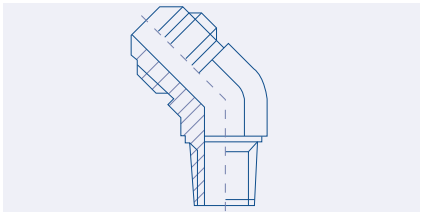
90° Elbow Male Connector (JIC x NPT)
35.525. pag. 92



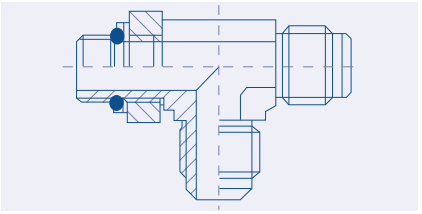
NPT Run Tee
35.530. pag. 93



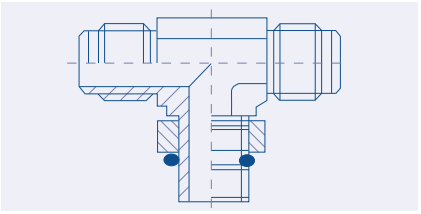
NPT Branch Tee
35.535. pag. 93



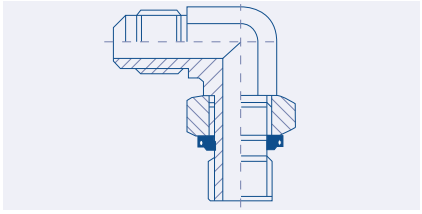
45° Elbow Male Connector (JIC x NPT)
35.540. pag. 94



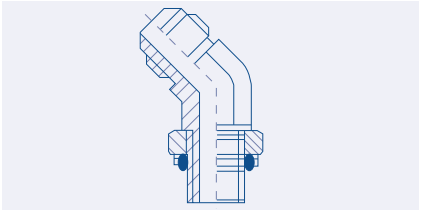
Orientable SAE-ORB Run Tee
35.580. pag. 95



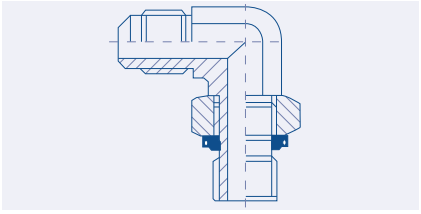
Orientable SAE-ORB Branch Tee
35.585. pag. 95



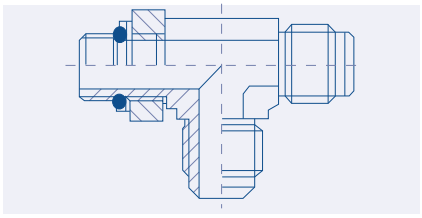
90° Elbow JIC Male x SAE-ORB
35.575. pag. 96



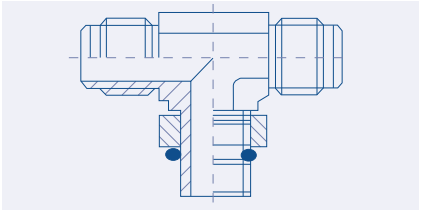
45° Elbow JIC Male x SAE-ORB
35.590. pag. 97



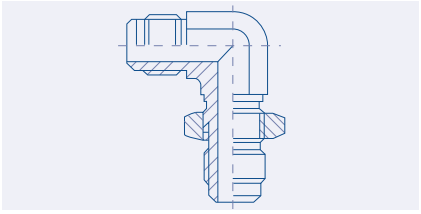
90° Elbow JIC Male x BSPP Male
35.600. pag. 98



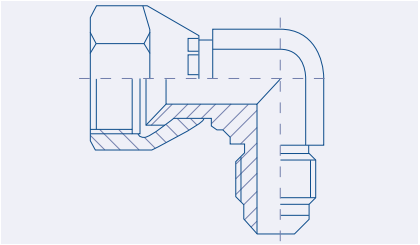
Orientable BSPP Run Tee
35.605. pag. 99



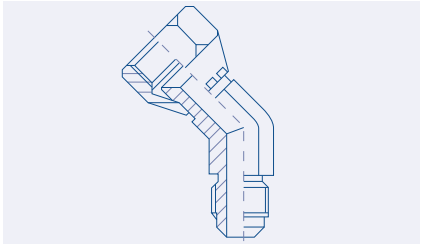
Orientable BSPP Branch Tee
35.610. pag. 100



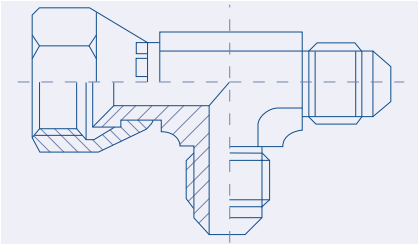
Bulkhead 90° Elbow Union
35.650. pag. 100



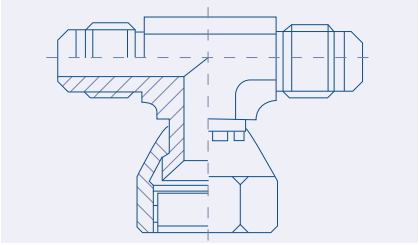
Swivel 90° Elbow
35.675.
pag. 101



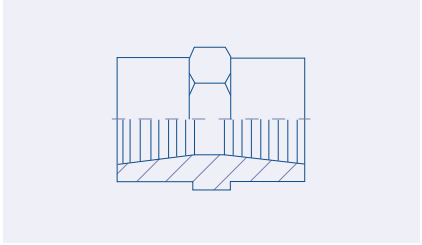
Swivel 45° Elbow
35.690.
pag. 101



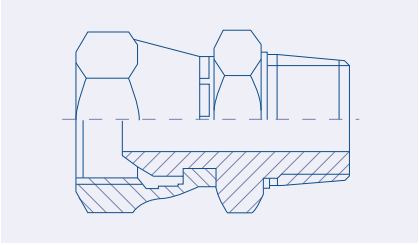
Swivel Run Tee
35.680.
pag. 102



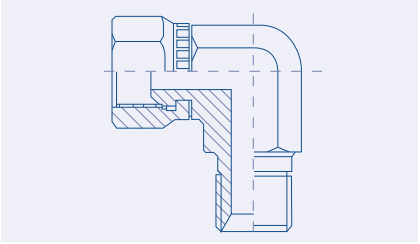
Swivel Branch Tee
35.685.
pag. 102



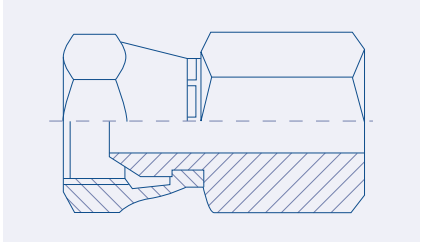
NPT Female x NPT Female Connector
35.281.
pag. 103



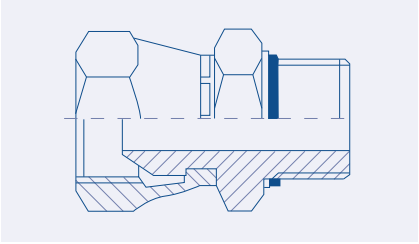
NPT Male x Swivel NPSM Female Connector
35.282.
pag. 104



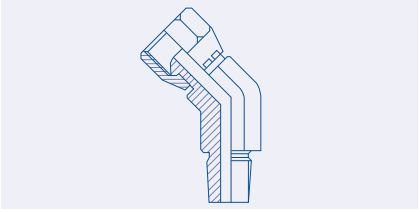
90° Elbow NPT Male x Swivel NPSM Female
35.283.
pag. 105



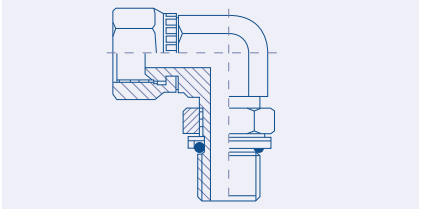
NPT Female x Swivel NPSM Female
35.285.
pag. 106



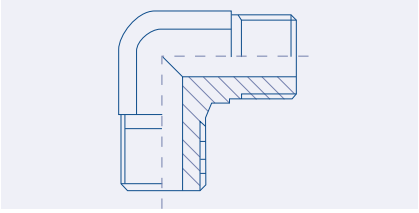
SAE-ORB Male x Swivel NPSM Female
35.286.
pag. 107



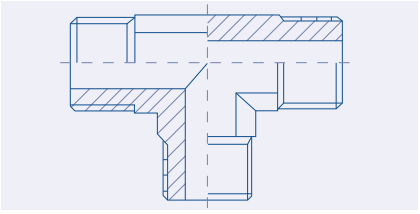
45° Elbow NPT Male x NPSM Swivel Female
35.287.
pag. 108



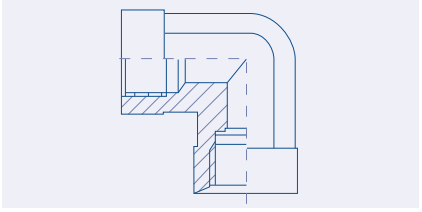
90° Elbow SAE-ORB Male x NPSM Swivel Female
35.289.
pag. 109



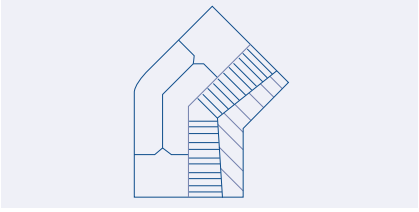
NPT Male 90° Elbow
35.800.
pag. 110



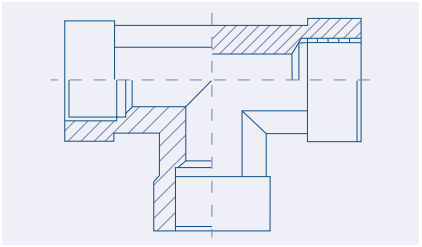
NPT Male Tee
35.801.
pag. 111



90° Elbow NPT Female
35.802.
pag. 111



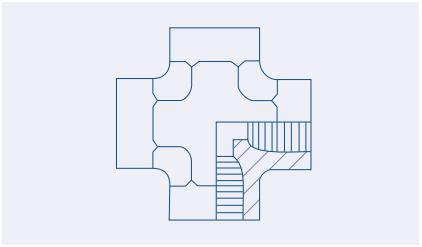
45° Elbow NPT Female
35.813.
pag. 112



NPT Female Tee

35.803.

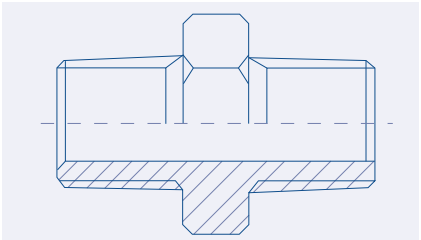
pag. 112



NPT Female Cross

35.804.

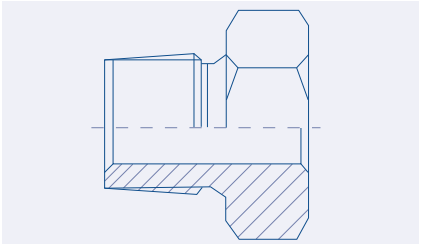
pag. 113



NPT Male Union

35.805.

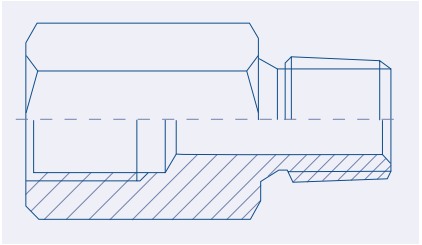
pag. 114



NPT Thread Reducer Bushing

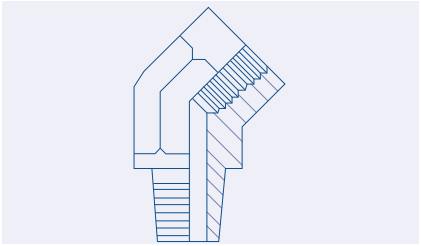
35.806.

pag. 115



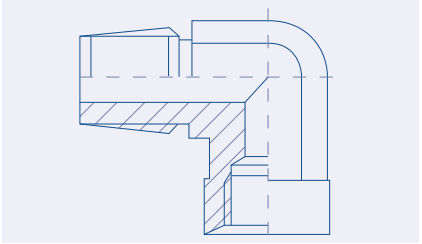
Female NPT to Male NPT Expander

35.807. pag. 116



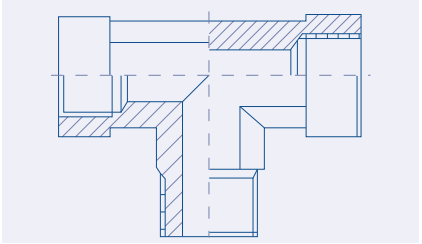
45° Elbow Female NPT to Male NPT

35.808. pag. 117



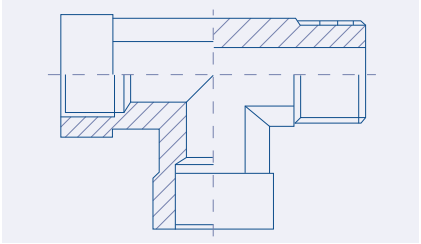
90° Elbow Female NPT to Male NPT

35.809. pag. 118



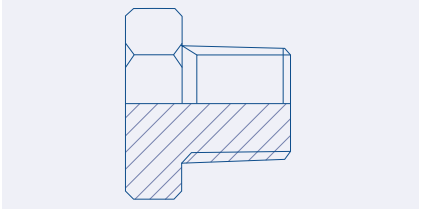
Female NPT to Male NPT Branch Tee

35.810. pag. 119



Female NPT to Male NPT Run Tee

35.811. pag. 119



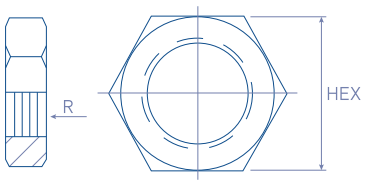
NPT Hex Male Plug

35.812.

pag. 120

Balflex®

Balfit® Bulkhead Locknut



35.017.

ISO 8434-2 / SAE J514

REFERENCE	thread R	dimensions HEX
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

MATERIAL: Carbon Steel zinc-plated

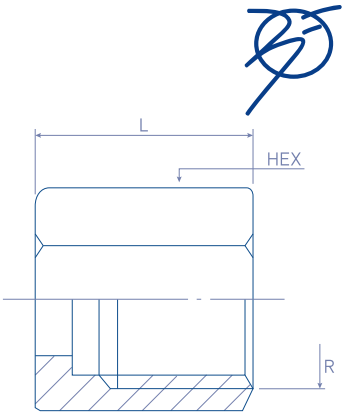
FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL LOCKNUT (add an 's' at the end of the part number; ex: 35.017.08 s)

Balfit® Tightening Nut

35.110.

ISO 8434-2 / SAE J514



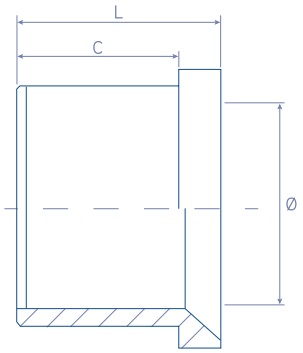
REFERENCE	tube		dimensions		
	mm	inch	R	L	HEX
35.110.04	6	1/4"	**7/16" – 20**	16	14
35.110.05	8	5/16"	**1/2" – 20**	17	17
35.110.06	10	3/8"	**9/16" – 18**	18	19
35.110.08	12	1/2"	**3/4" – 16**	21	22
35.110.10	16	5/8"	**7/8" – 14**	25	27
35.110.12	20	3/4"	**1.1/16" – 12**	26	32
35.110.14	22	7/8"	**1.3/16" – 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

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL TIGHTENING NUT (add an 'S' at the end of the part number; ex: 35.110.08 S)

Balfit® Tube Sleeve



35.120. / 35.121.

ISO 8434-2 / SAE J514

REFERENCE	tube		dimensions		
	mm	inch	L	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
35.121.04		**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"

MATERIAL: Carbon Steel zinc-plated

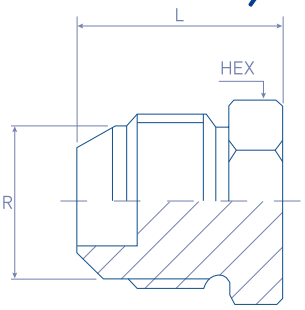
FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL MALE BSP x MALE NPT / 90° MALE BSP x TUBE SLEEVE (add an 'S' at the end of the part number; ex: 35.120.08 S or 35.121.04 S)

Balfit® JIC Plug

35.140.

ISO 8434-2 / SAE J514



REFERENCE	thread R	dimensions L	HEX
35.140.04	**7/16"- 20**	20	13
35.140.05	**1/2" – 20**	20	14
35.140.06	**9/16" – 18**	21	16
35.140.08	**3/4" – 16**	24	19
35.140.10	**7/8" – 14**	28	24
35.140.12	**1.1/16" – 12**	33	27
35.140.16	**1.5/16" – 12**	34	36
35.140.20	**1.5/8" – 12**	37	46
35.140.24	**1.7/8" – 12**	42	50
35.140.32	**2.1/2" – 12**	52	65

MATERIAL: Carbon Steel zinc-plated

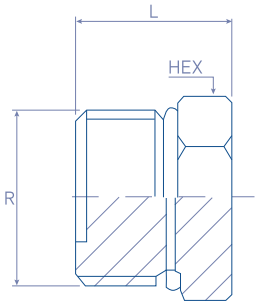
FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL PLUGS (add an 'S' at the end of the part number; ex: 35.140.08 S)

Balfit® Straight Thread Plug

35.141.

ISO 8434-2 / SAE J514



REFERENCE	thread R	dimensions L	HEX
35.141.04	**5/16" – 24**	18	11
35.141.05	**3/8" – 24**	19	11
35.141.06	**7/16"- 20**	20	13
35.141.08	**1/2" – 20**	20	14
35.141.10	**9/16" – 18**	21	16
35.141.12	**3/4" – 16**	24	19
35.141.16	**7/8" – 14**	28	24

MATERIAL: Carbon Steel zinc-plated

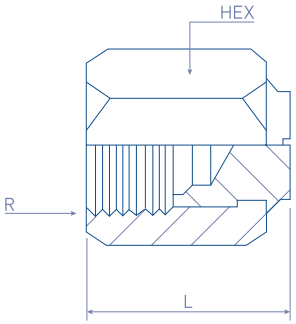
FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL PLUGS (add an 'S' at the end of the part number; ex: 35.141.06 S)

Balfit® Cap

35.142.

ISO 8434-2 / SAE J514



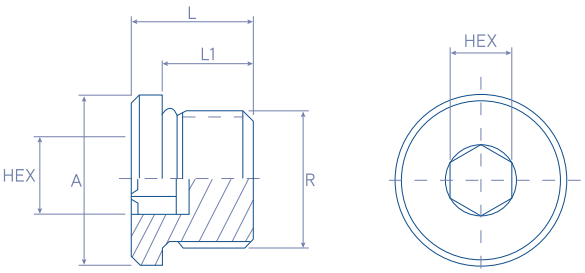
REFERENCE	thread R	dimensions L	dimensions HEX
35.142.04	**7/16" – 20**	15	14
35.142.05	**1/2" – 20**	15	15
35.142.06	**9/16" – 18**	16	17
35.142.08	**3/4" – 16**	19	19
35.142.10	**7/8" – 14**	21	22
35.142.12	**1.1/16" – 12**	23	32
35.142.14	**1.3/16" – 12**	25	36
35.142.16	**1.5/16" – 12**	26	36
35.142.20	**1.5/8" – 12**	27	50
35.142.24	**1.7/8" – 12**	30	55
35.142.32	**2.1/2" – 12**	37	75

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL CAP (add an 'S' at the end of the part number; ex: 35.142.08 S)

Balfit® Hollow Hex Plug SAE – ORB



35.143.

ISO 8434-2 / SAE J514

REFERENCE	thread	dimensions			
	R	L	L1	A	HEX
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"

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

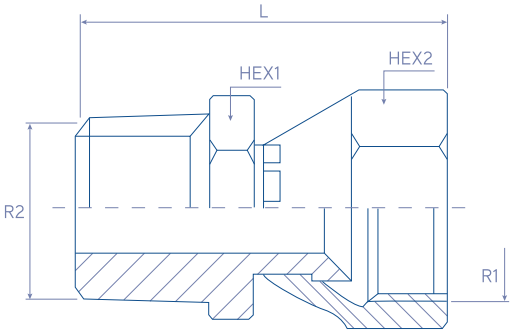
VERSIONS: BALFIT® STAINLESS STEEL HOLLOW HEX PLUG SAE – ORB (add an 'S' at the end of the part number; ex: 35.143.08 S)

Balflex®

Balfit® Swivel Connector JIC Female x NPT Male

35.160.

ISO 8434-2 / SAE J514 / SAE J516 / SAE J476A



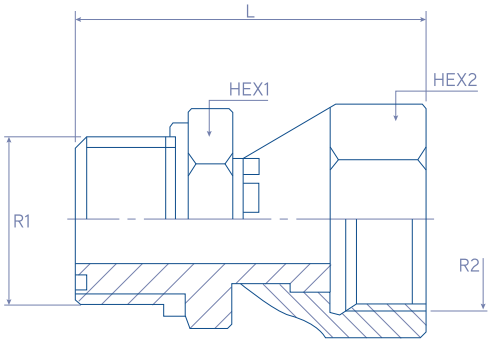
REFERENCE	thread		dimensions		
	R1	R2	L	HEX1	HEX2
35.160.0402	**7/16" – 20**	**1/8" – 27**	33	12	12
35.160.0404	**7/16" – 20**	**1/4" – 18**	37	14	14
35.160.0504	**1/2" – 20**	**1/4" – 18**	36	14	14
35.160.0604	**9/16" – 18**	**1/4" – 18**	43	14	14
35.160.0606	**9/16" – 18**	**3/8" – 18**	44	19	19
35.160.0806	**3/4" – 16**	**3/8" – 18**	44	19	19
35.160.1006	**7/8" – 14**	**3/8" – 18**	46	22	22
35.160.0808	**3/4" – 16**	**1/2" – 14**	49	22	22
35.160.1008	**7/8" – 14**	**1/2" – 14**	58	22	22
35.160.1208	**1.1/16" – 12**	**1/2" – 14**	54	27	27
35.160.1012	**7/8" – 14**	**3/4" – 14**	55	27	27
35.160.1212	**1.1/16" – 12**	**3/4" – 14**	58	27	27
35.160.1612	**1.5/16" – 12**	**3/4" – 14**	61	32	32
35.160.1616	**1.5/16" – 12**	**1" – 11.1/2"**	65	36	36
35.160.2020	**1.5/8" – 12**	**1.1/4" – 11.1/2"**	67	46	46
35.160.2424	**1.7/8" – 12**	**1.1/2" – 11.1/2"**	74	50	50
35.160.3232	**2.1/2" – 12**	**2" – 11.1/2"**	84	60	60

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® Swivel Connector JIC Female x SAE-ORB Male



35.180.

ISO 8434-2 / SAE J514

REFERENCE	thread		dimensions		
	R1	R2	L	HEX1	HEX2
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

MATERIAL: Carbon Steel zinc-plated

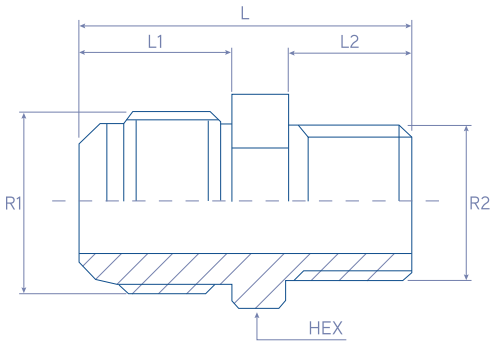
FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® Male Connector (JIC x NPT)

35.200.

ISO 8434-2 / SAE J514 / SAE J516 / SAE J476A



	thread		dimensions			
REFERENCE	R1	R2	L	L1	L2	HEX
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
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

REFERENCE	thread		dimensions			
	R1	R2	L	L1	L2	HEX
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

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

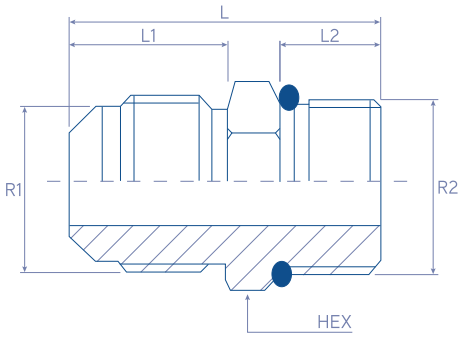
VERSIONS: BALFIT® STAINLESS STEEL MALE CONNECTOR (add an 'S' at the end of the part number; ex: 35.200.0806 S)

Balflex®

Balfit® JIC x SAE-ORB Straight Male Connector

35.220.

ISO 8434-2 / SAE J514



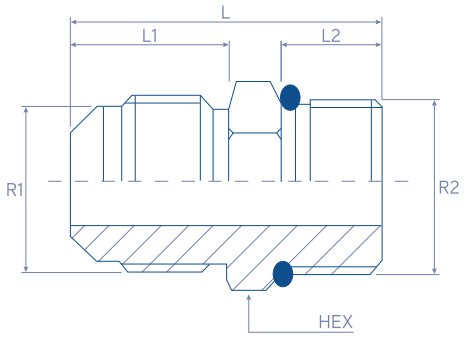
REFERENCE	tube		thread		dimensions			
	mm	inch	R1	R2	L	L1	L2	HEX
35.220.0404	6	1/4"	**7/16" – 20**	**7/16" – 20**	31	14	9	14
35.220.0405	6	1/4"	**7/16" – 20**	**1/2" – 20**	31	14	9	16
35.220.0406	6	1/4"	**7/16" – 20**	**9/16" – 18**	33	44	10	17
35.220.0505	8	5/16"	**1/2" – 20**	**1/2" – 20**	31	14	9	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

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® JIC x BSPP Male Connector



35.230.

ISO 8434-2 / SAE J514 / SAE J516 / ISO 8434-6

	tube		thread		dimensions			
REFERENCE	mm	inch	R1	R2	L	L1	L2	HEX
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
35.230.3232	50	2"	**2.1/2" – 12**	**2" – 11**	68	34	19	70

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

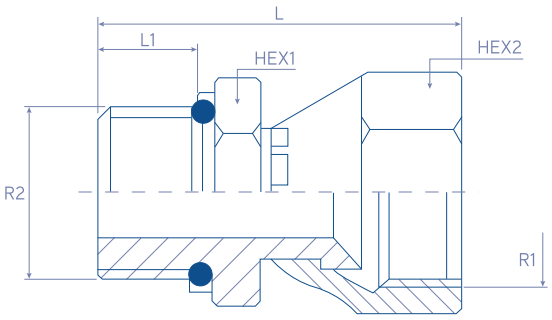
VERSIONS: BALFIT® STAINLESS STEEL STRAIGHT JIC X BSPP MALE CONNECTOR (add an 'S' at the end of the part number; ex: 35.230.0808 S)

Balflex®

Balfit® Swivel Connector JIC Female x BSPP Male

35.235.

ISO 8434-2 / SAE J514 / SAE J516 / ISO 8434-6



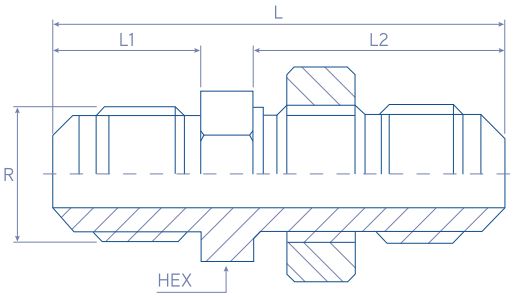
	thread		dimensions			
REFERENCE	R1	R2	L	L1	HEX1	HEX2
35.235.0402	**7/16" – 20**	**1/8" – 28**	24	10	14	15
35.235.0404	**7/16" – 20**	**1/4" – 19**	26	12	19	15
35.235.0504	**1/2" – 20**	**1/4" – 19**	26,5	12	19	17
35.235.0604	**9/16" – 18**	**1/4" – 19**	27	12	19	19
35.235.0606	**9/16" – 18**	**3/8" – 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

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® Straight Bulkhead Union JIC Male



35.250.

ISO 8434-2 / SAE J514

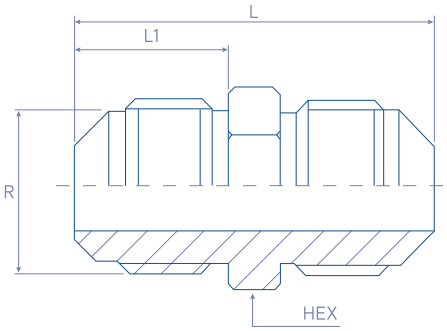
REFERENCE	tube		thread	dimensions			
	mm	inch	R	L	L1	L2	HEX
35.250.0404	6	1/4"	**7/16" – 20**	53	14	17	31
35.250.0505	8	5/16"	**1/2" – 20**	53	14	19	31
35.250.0606	10	3/8"	**9/16" – 18**	55	14	22	33
35.250.0808	12	1/2"	**3/4" – 16**	62	17	24	37
35.250.1010	16	5/8"	**7/8" – 14**	70	19	30	41
35.250.1212	20	3/4"	**1.1/16" – 12**	79	22	36	45
35.250.1616	25	1"	**1.5/16" – 12**	80	23	41	45
35.250.2020	32	1.1/4"	**1.5/8" – 12**	84	24	50	47
35.250.2424	38	1.1/2"	**1.7/8" – 12**	89	28	55	47

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL STRAIGHT BULKHEAD UNION JIC MALE (add an 'S' at the end of the part number; ex: 35.250.08 S)

Balfit® Straight JIC Male Union



35.260.

ISO 8434-2 / SAE J514

REFERENCE	tube		thread	dimensions		
	mm	inch	R	L	L1	HEX
35.260.0404	6	1/4"	**7/16" – 20**	35	14	13
35.260.0505	8	5/16"	**1/2" – 20**	35	14	14
35.260.0606	10	3/8"	**9/16" – 18**	36	14	16
35.260.0808	12	1/2"	**3/4" – 16**	41	17	19
35.260.1010	16	5/8"	**7/8" – 14**	48	19	24
35.260.1212	20	3/4"	**1.1/16" – 12**	55	22	27
35.260.1616	25	1"	**1.5/16" – 12**	57	23	36
35.260.2020	32	1.1/4"	**1.5/8" – 12**	62	24	46
35.260.2424	38	1.1/2"	**1.7/8" – 12**	70	28	50
35.260.3232	50	2"	**2.1/2" – 12**	86	35	66

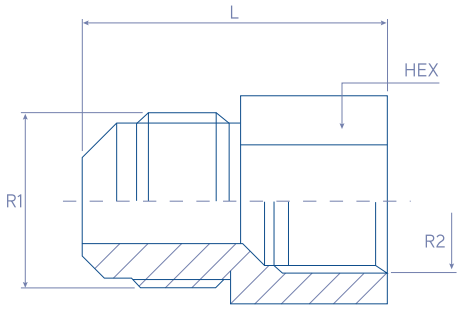
MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL STRAIGHT JIC MALE UNION (add an 'S' at the end of the part number; ex: 35.260.08 S)

Balflex®

Balfit® NPT Female x JIC Male Connector



35.280.

ISO 8434-2 / SAE J514 / SAE J476A

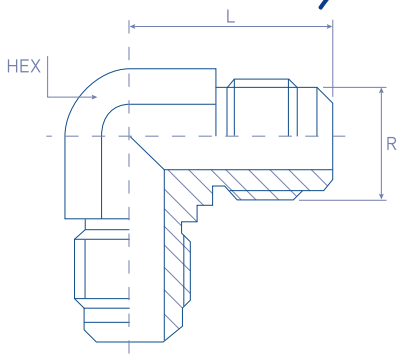
REFERENCE	tube		thread		dimensions	
	mm	inch	R1	R2	L	HEX
35.280.0404	6	1/4"	**7/16" – 20**	**1/4" – 18**	32	14
35.280.0504	8	5/16"	**1/2" – 20**	**1/4" – 18**	32	17
35.280.0604	10	3/8"	**9/16" – 18**	**1/4" – 18**	34	17
35.280.0606	10	3/8"	**9/16" – 18**	**3/8" – 18**	34	19
35.280.0806	12	3/8"	**3/4" – 16**	**3/8" – 18**	40	22
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**	51	36
35.280.2020	32	1.1"/4	**1.5/8" – 12**	**1.1/4" – 11**	63	50

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL NPT FEMALE X JIC MALE CONNECTOR (add an 'S' at the end of the part number; ex: 35.280.0404 S)

Balfit® 90° Elbow JIC Male Union



35.500.

ISO 8434-2 / J514

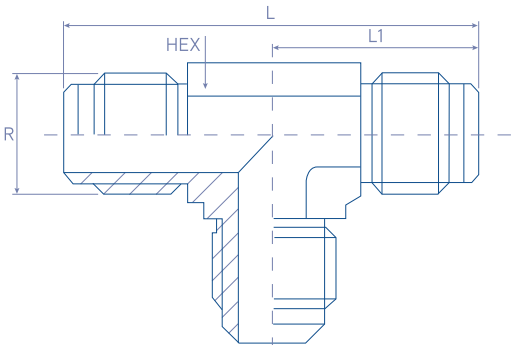
REFERENCE	tube		thread	dimensions	
	mm	inch	R	L	HEX
35.500.0404	6	1/4"	**7/16" – 20**	22	14
35.500.0505	8	5/16"	**1/2" – 20**	25	14
35.500.0606	10	3/8"	**9/16" – 18**	25	14
35.500.0808	12	1/2"	**3/4" – 16**	31	19
35.500.1010	15	5/8"	**7/8" – 14**	35	22
35.500.1212	20	3/4"	**1.1/16" – 12**	41	27
35.500.1616	25	1"	**1.5/16" – 12**	50	35
35.500.2020	32	1.1/4"	**1.5/8" – 12**	55	44
35.500.2424	38	1.1/2"	**1.7/8" – 12**	61	50
35.500.3232	50	2"	**2.1/2" – 12**	75	65

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL 90° ELBOW UNION (add an 'S' at the end of the part number; ex: 35.500.04 S)

Union Tee JIC Male



35.505.

ISO 8434-2 / J514

REFERENCE	tube		thread	dimensions		
	mm	inch	R	L	L1	HEX
35.505.040404	6	1/4"	**7/16" – 20**	45	23	11
35.505.050505	8	5/16"	**1/2" – 20**	48	24	13
35.505.060606	10	3/8"	**9/16" – 18**	54	27	14
35.505.080808	12	1/2"	**3/4" – 16**	64	32	19
35.505.101010	15	5/8"	**7/8" – 14**	74	37	22
35.505.121212	20	3/4"	**1.1/16" – 12**	84	42	27
35.505.161616	25	1"	**1.5/16" – 12**	92	46	33
35.505.202020	32	1.1/4"	**1.5/8" – 12**	105	52	41
35.505.242424	38	1.1/2"	**1.7/8" – 12**	118	59	48
35.505.323232	50	2"	**2.1/2" – 12**	156	78	65

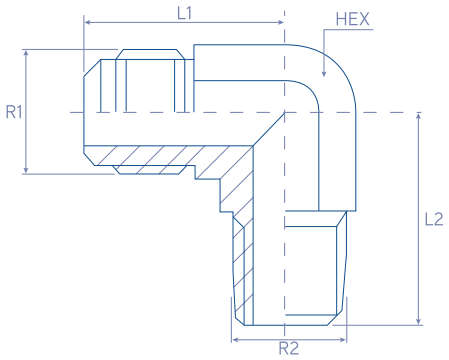
MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL UNION TEE (add an 'S' at the end of the part number; ex: 35.505.04 S)

Balflex®

Balfit® 90° Elbow Male Connector (JIC x NPT)



35.525.

ISO 8434-2 / SAE J514 / SAE J476A

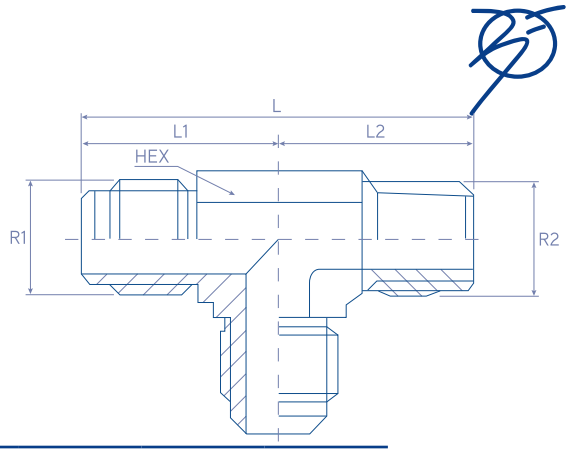
	tube		thread		dimensions		
REFERENCE	mm	inch	R1	R2	L1	L2	HEX
35.525.0402	6	1/4"	**7/16" – 20**	**1/8" – 27**	25	24	14
35.525.0404	6	1/4"	**7/16" – 20**	**1/4" – 18**	26	27	14
35.525.0502	8	5/16"	**1/2" – 20**	**1/8" – 18**	26	24	14
35.525.0504	8	5/16"	**1/2" – 20**	**1/4" – 18**	26	27	14
35.525.0604	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**	47	47	35
35.525.2016	32	1.1/4"	**1.5/8" – 12**	**1" – 11**	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

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® NPT Run Tee



35.530.

SAE J516 / SAE J476A

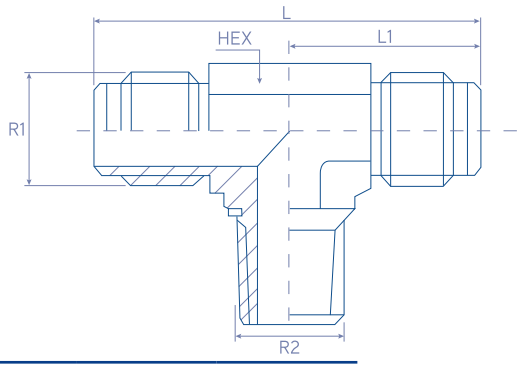
REFERENCE	tube		thread		dimensions			
	mm	inch	R1	R2	L	L1	L2	HEX
35.530.040204	6	1/4"	**7/16" - 20**	**1/8" – 27**	43	23	20	11
35.530.040404	6	1/4"	**7/16" - 20**	**1/4" – 18**	53	25	28	11
35.530.050405	8	5/16"	**1/2" - 20**	**1/4" – 18**	51	24	27	13
35.530.060406	10	3/8"	**9/16" - 18**	**1/4" – 18**	55	27	28	14
35.530.060606	10	3/8"	**9/16" - 18**	**3/8" – 18**	55	27	28	14
35.530.080608	12	1/2"	**3/4" - 16**	**3/8" – 18**	63	32	31	19
35.530.080808	12	1/2"	**3/4" - 16**	**1/2" – 14**	63	32	31	19
35.530.100810	16	5/8"	**7/8" - 14**	**1/2" – 14**	74	37	37	22
35.530.121212	20	3/4"	**1.1/16" - 12**	**3/4" – 14**	82	42	40	27
35.530.161616	25	1"	**1.5/16" - 12**	**1" – 11.1/2"**	96	46	50	33

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL NPT RUN TEE (add an 'S' at the end of the part number; ex: 35.530.0808 S)

Balfit® NPT Branch Tee



35.535.

SAE J516 / SAE J476A

REFERENCE	tube		thread		dimensions		
	mm	inch	R1	R2	L	L1	HEX
35.535.040402	6	1/4"	**7/16" - 20**	**1/8" – 27**	43	23	11
35.535.040404	6	1/4"	**7/16" - 20**	**1/4" – 18**	53	25	11
35.535.050504	8	5/16"	**1/2" - 20**	**1/4" – 18**	51	24	13
35.535.060604	10	3/8"	**9/16" - 18**	**1/4" – 18**	55	27	14
35.535.060606	10	3/8"	**9/16" - 18**	**3/8" – 18**	55	27	14
35.535.080806	12	1/2"	**3/4" - 16**	**3/8" – 18**	63	32	19
35.535.080808	12	1/2"	**3/4" - 16**	**1/2" – 18**	63	32	19
35.535.101008	16	5/8"	**7/8" - 14**	**1/2" – 14**	74	37	21
35.535.121212	20	3/4"	**1.1/16" - 12**	**3/4" – 14**	82	42	27
35.535.161616	25	1"	**1.5/16" - 12**	**1" – 11.1/2"**	96	46	33

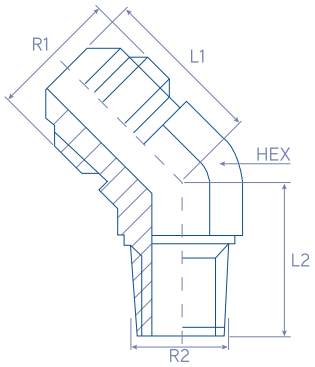
MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL NPT BRANCH TEE (add an 'S' at the end of the part number; ex: 35.535.0808 S)

Balflex®

Balfit® 45° Elbow Male Connector (JIC x NPT)



35.540.

ISO 8434-2 / SAE J514 / SAE J516 / SAE J476A

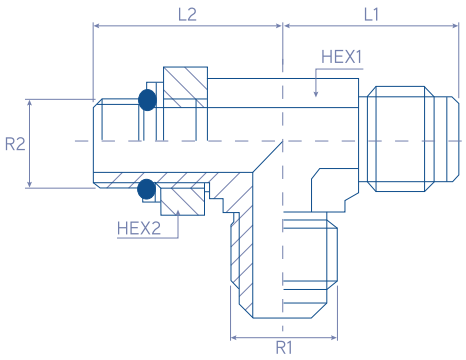
	tube		thread		dimensions		
REFERENCE	mm	inch	R1	R2	L1	L2	HEX
35.540.0402	6	1/4"	**7/16" - 20**	**1/8" – 27**	20	18	14
35.540.0404	6	1/4"	**7/16" - 20**	**1/4" – 18**	21	20	14
35.540.0502	8	5/16"	**1/2" - 20**	**1/8" – 18**	22	20	14
35.540.0504	8	5/16"	**1/2" - 20**	**1/4" – 18**	22	20	14
35.540.0604	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

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL 45° ELBOW CONNECTOR (add an 'S' at the end of the part number; ex: 35.540.0806 S)

Balfit® Orientable SAE-ORB Run Tee



35.580.

ISO 8434-2 / SAE J514

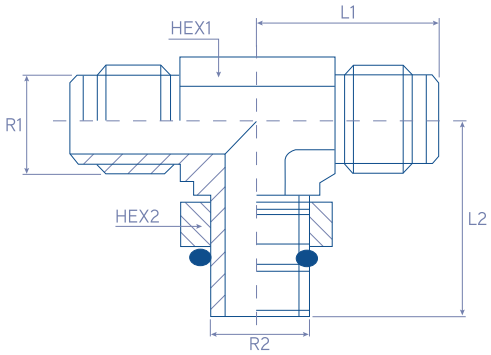
	tube		thread		dimensions			
REFERENCE	mm	inch	R1	R2	L1	L2	HEX1	HEX2
35.580.040404	6	1/4"	**7/16" – 20**	**7/16" – 20**	23	26	11	14
35.580.050505	8	5/16"	**1/2" – 20**	**1/2" – 20**	24	28	13	16
35.580.060606	10	3/8"	**9/16" – 18**	**9/16" – 18**	27	32	14	17
35.580.080808	12	1/2"	**3/4" – 16**	**3/4" – 16**	32	37	19	22
35.580.101010	15	5/8"	**7/8" – 14**	**7/8" – 14**	37	43	22	27
35.580.121212	20	3/4"	**1.1/16" – 12**	**1.1/16" – 12**	42	49	27	32
35.580.161616	25	1"	**1.5/16" – 12**	**1.5/16" – 12**	46	52	33	38

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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® Orientable SAE-ORB Branch Tee



35.585.

ISO 8434-2 / SAE J514

	tube		thread		dimensions			
REFERENCE	mm	inch	R1	R2	L1	L2	HEX1	HEX2
35.585.040404	6	1/4"	**7/16" – 20**	**7/16" – 20**	23	26	11	14
35.585.050505	8	5/16"	**1/2" – 20**	**1/2" – 20**	24	28	13	16
35.585.060606	10	3/8"	**9/16" – 18**	**9/16" – 18**	27	32	14	17
35.585.080808	12	1/2"	**3/4" – 16**	**3/4" – 16**	32	37	19	22
35.585.101010	15	5/8"	**7/8" – 14**	**7/8" – 14**	37	43	22	27
35.585.121212	20	3/4"	**1.1/16" – 12**	**1.1/16" – 12**	42	49	27	32
35.585.161616	25	1"	**1.5/16" – 12**	**1.5/16" – 12**	46	52	33	38

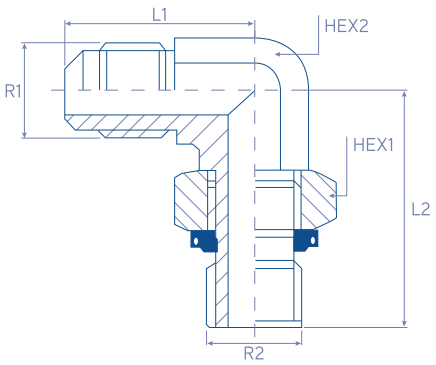
MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balflex®

Balfit® 90° Elbow JIC Male x SAE-ORB



35.575.

ISO 8434-2 / SAE J514

	tube		thread		dimensions			
REFERENCE	mm	inch	R1	R2	L1	L2	HEX1	HEX2
35.575.0404	6	1/4"	**7/16" – 20**	**7/16" – 20**	27	32	14	11
35.575.0406	6	1/4"	**7/16" – 20**	**9/16" – 18**	29	37	22	19
35.575.0505	8	5/16"	**1/2" – 20**	**1/2" – 20**	29	37	17	14
35.575.0604	10	3/8"	**9/16" – 18**	**7/16" – 20**	27	33	19	14
35.575.0606	10	3/8"	**9/16" – 18**	**9/16" – 18**	29	37	22	19
35.575.0608	10	3/8"	**9/16" – 18**	**3/4" – 16**	32	44	27	22
35.575.0612	10	3/8"	**9/16" – 18**	**1.1/16" – 12**	35	50	36	27
35.575.0804	12	1/2"	**3/4" – 16**	**7/16" – 20**	32	37	19	19
35.575.0806	12	1/2"	**3/4" – 16**	**9/16" – 18**	32	37	22	19
35.575.0808	12	1/2"	**3/4" – 16**	**3/4" – 16**	34	44	27	22
35.575.0812	12	1/2"	**3/4" – 16**	**1.1/16" – 12**	37	50	36	27
35.575.1006	15	5/8"	**7/8" – 14**	**9/16" – 18**	37	41	22	22
35.575.1008	15	5/8"	**7/8" – 14**	**3/4" – 16**	37	44	27	22
35.575.1010	15	5/8"	**7/8" – 14**	**7/8" – 14**	37	44	27	27
35.575.1208	20	3/4"	**1.1/16" – 12**	**3/4" – 16**	42	48	27	27
35.575.1212	20	3/4"	**1.1/16" – 12**	**1.1/16" – 12**	42	50	36	27
35.575.1216	20	3/4"	**1.1/16" – 12**	**1.5/16" – 12**	46	54	41	33
35.575.1612	25	1"	**1.5/16" – 12**	**1.1/16" – 12**	46	52	36	33
35.575.1616	25	1"	**1.5/16" – 12**	**1.5/16" – 12**	46	54	41	33
35.575.1620	25	1"	**1.5/16" – 12**	**1.5/8" – 12**	53	57	50	41
35.575.2016	32	1.1/4"	**1.5/8" – 12**	**1.5/16" – 12**	53	60	41	41
35.575.2020	32	1.1/4"	**1.5/8" – 12**	**1.5/8" – 12**	53	57	50	41
35.575.2420	38	1.1/2"	**1.7/8" – 12**	**1.5/8" – 12**	59	64	55	48
35.575.2424	38	1.1/2"	**1.7/8" – 12**	**1.7/8" – 12**	59	64	55	48

MATERIAL: Carbon Steel zinc-plated

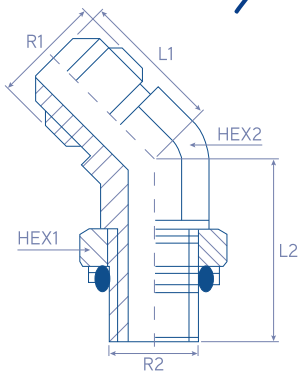
FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL 90° ELBOW JIC MALE X SAE-ORB (add an 'S' at the end of the part number; ex: 35.575.0808S)

Balfit® 45° Elbow JIC Male x SAE-ORB

35.590.

ISO 8434-2 / SAE J514



REFERENCE	tube		thread		dimensions			
	mm	inch	R1	R2	L1	L2	HEX1	HEX2
35.590.0404	6	1/4"	**7/16" – 20**	**7/16" – 20**	18	27	14	11
35.590.0505	8	5/16"	**1/2" – 20**	**1/2" – 20**	20	27	16	13
35.590.0606	10	3/8"	**9/16" – 18**	**9/16" – 18**	21	29	17	14
35.590.0608	10	3/8"	**9/16" – 18**	**3/4" – 16**	22	33	22	19
35.590.0806	12	1/2"	**3/4" – 16**	**9/16" – 18**	25	32	22	19
35.590.0808	12	1/2"	**3/4" – 16**	**3/4" – 16**	25	33	22	19
35.590.1010	15	5/8"	**7/8" – 14**	**7/8" – 14**	28	39	27	22
35.590.1212	20	3/4"	**1.1/16" – 12**	**1.1/16" – 12**	33	44	32	27
35.590.1616	25	1"	**1.5/16" – 12**	**1.5/16" – 12**	37	47	38	33
35.590.2020	32	1.1/4"	**1.5/8" – 12**	**1.5/8" – 12**	39	47	50	41

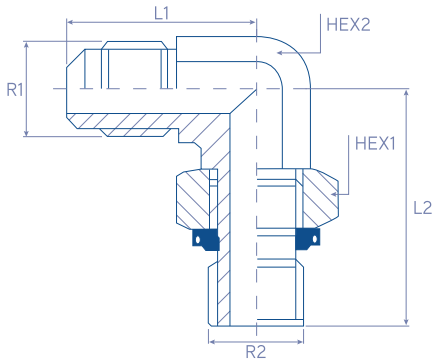
MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balflex®

Balfit® 90° Elbow JIC Male x BSPP Male



35.600.

ISO 8434-2 / SAE J514 / ISO 8434-6

	tube		thread		dimensions			
REFERENCE	mm	inch	R1	R2	L1	L2	HEX1	HEX2
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

MATERIAL: Carbon Steel zinc-plated

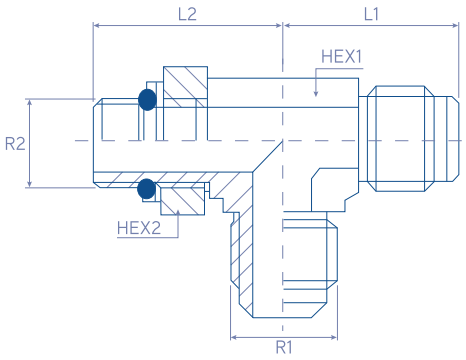
FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® Orientable BSPP Run Tee

35.605.

ISO 8434-2 / SAE J514 / ISO 8434-6



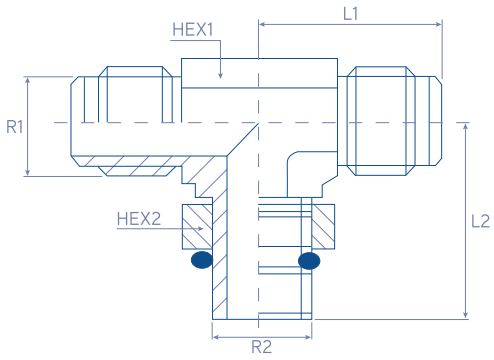
REFERENCE	tube		thread		dimensions			
	mm	inch	R1	R2	L1	L2	HEX1	HEX2
35.605.040204	6	1/4"	**7/16" - 20**	**1/8" – 28**	23	26	14	11
35.605.040404	6	1/4"	**7/16" - 20**	**7/16" – 20**	32	27	19	14
35.605.050205	8	5/16"	**1/2" - 20**	**1/8" – 28**	24	28	14	13
35.605.060406	10	3/8"	**9/16" - 18**	**1/4" – 19**	27	32	19	14
35.605.060606	10	3/8"	**9/16" - 18**	**3/8" – 19**	27	37	22	19
35.605.080608	12	1/2"	**3/4" - 16**	**3/8" – 19**	32	37	22	19
35.605.080808	12	1/2"	**3/4" - 16**	**1/2" – 19**	32	37	27	22
35.605.100810	16	5/8"	**7/8" - 14**	**1/2" – 14**	37	43	27	22
35.605.121212	20	3/4"	**1.1/16" - 12**	**3/4" – 14**	42	50	36	27
35.605.161616	25	1"	**1.5/16" - 12**	**1" - 11**	52	46	41	33

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL ORIENTABLE BSPP RUN TEE
(add an 'S' at the end of the part number; ex: 35.605.0808 S)

Balfit® Orientable BSPP Branch Tee



35.610.

ISO 8434-2 / SAE J514 / ISO 8434-6

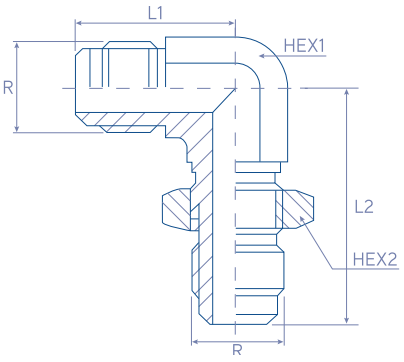
REFERENCE	tube		thread		dimensions			
	mm	inch	R1	R2	L1	L2	HEX1	HEX2
35.610.040402	6	1/4"	**7/16" - 20**	**1/8" – 28**	23	26	11	14
35.610.040404	6	1/4"	**7/16" - 20**	**7/16" - 20**	27	32	14	19
35.610.050502	8	5/16"	**1/2" - 20**	**1/8" – 28**	24	28	13	14
35.610.060604	10	3/8"	**9/16" - 18**	**1/4" – 19**	27	32	14	19
35.610.060606	10	3/8"	**9/16" - 18**	**3/8" – 19**	27	37	19	22
35.610.080806	12	1/2"	**3/4" - 16**	**3/8" – 19**	32	37	19	22
35.610.080808	12	1/2"	**3/4" - 16**	**3/4" – 16**	36	43	22	27
35.610.101008	16	5/8"	**7/8" - 14**	**1/2" – 14**	37	43	22	27
35.610.121212	20	3/4"	**1.1/16" - 12**	**3/4" – 14**	42	50	27	36
35.610.161616	25	1"	**1.5/16" - 12**	**1" – 11**	46	52	33	41

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL ORIENTABLE BSPP BRANCH TEE (add an 'S' at the end of the part number; ex: 35.610.0808 S)

Balfit® Bulkhead 90° Elbow Union



35.650.

ISO 8434-2 / SAE J514

REFERENCE	tube		thread	dimensions			
	mm	inch	R1	L1	L2	HEX1	HEX2
35.650.0404	6	1/4"	**7/16" - 20**	25	40	12	28
35.650.0505	8	5/16"	**1/2" - 20**	26	41	13	28
35.650.0606	10	3/8"	**9/16" - 18**	28	46	16	30
35.650.0808	12	1/2"	**3/4" - 16**	35	54	19	35
35.650.1010	15	5/8"	**7/8" - 14**	40	61	22	39
35.650.1212	20	3/4"	**1.1/16" - 12**	45	68	25	43
35.650.1616	25	1"	**1.5/16" - 12**	49	71	28	43
35.650.2020	32	1.1/4"	**1.5/8" - 12**	55	79	35	44

MATERIAL: Carbon Steel zinc-plated

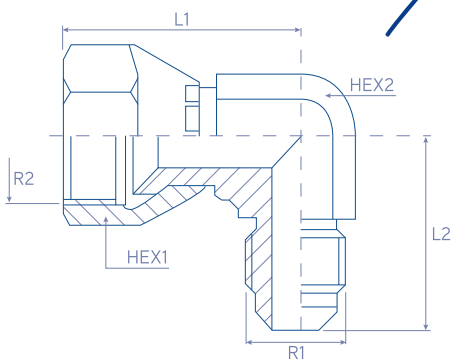
FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL BULKHEAD 90° ELBOW UNION (add an 'S' at the end of the part number; ex: 35.650.08 S)

Balfit® Swivel 90° Elbow

35.675.

ISO 8434-2 / SAE J514



REFERENCE	tube		thread		dimensions			
	mm	inch	R1	R2	L1	L2	HEX1	HEX2
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

MATERIAL: Carbon Steel zinc-plated

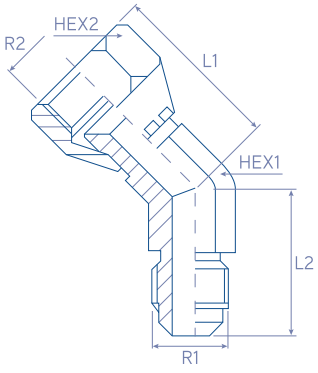
FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL SWIVEL 90° ELBOW (add an 'S' at the end of the part number; ex: 35.675.0808 S)

Balfit® Swivel 45° Elbow

35.690.

ISO 8434-2 / SAE J514



REFERENCE	tube		thread		dimensions			
	mm	inch	R1	R2	L1	L2	HEX1	HEX2
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

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

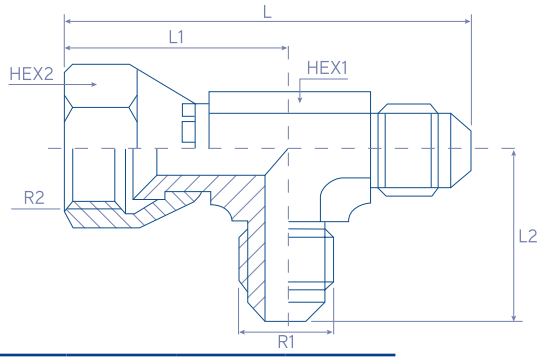
VERSIONS: BALFIT® STAINLESS STEEL SWIVEL 45° ELBOW (add an 'S' at the end of the part number; ex: 35.690.0808 S)

Balflex®

Balfit® Swivel Run Tee

35.680.

ISO 8434-2 / SAE J514



REFERENCE	tube		thread		dimensions				
	mm	inch	R1	R2	L	L1	L2	HEX1	HEX2
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

MATERIAL: Carbon Steel zinc-plated

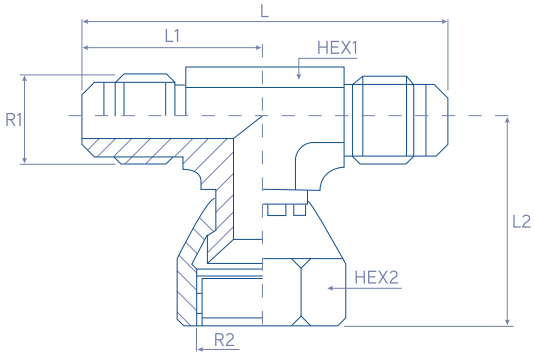
FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL SWIVEL RUN TEE (add an 'S' at the end of the part number; ex: 35.680.0808 S)

Balfit® Swivel Branch Tee

35.685.

ISO 8434-2 / SAE J514



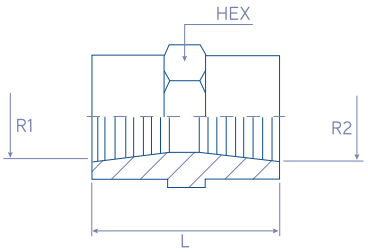
REFERENCE	tube		thread		dimensions				
	mm	inch	R1	R2	L	L1	L2	HEX1	HEX2
35.685.0404	6	1/4"	**7/16" – 20**	**7/16" – 20**	46	23	25	11	16
35.685.0505	8	5/16"	**1/2" – 20**	**1/2" – 20**	48	24	27	13	19
35.685.0606	10	3/8"	**9/16" – 18**	**9/16" – 18**	54	27	32	14	22
35.685.0808	12	1/2"	**3/4" – 16**	**3/4" – 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

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL SWIVEL BRANCH TEE (add an 'S' at the end of the part number; ex: 35.685.0808 S)

Balfit® NPT Female x NPT Female Connector



35.281.

SAE J516 / SAE J476A

REFERENCE	thread		dimensions	
	R1	R2	L	HEX
35.281.0202	**1/8" – 27**	**1/8" – 27**	19	14
35.281.0402	**1/4" – 18**	**1/8" – 27**	29	19
35.281.0404	**1/4" – 18**	**1/4" – 18**	29	19
35.281.0602	**3/8" – 18**	**1/8" – 27**	29	19
35.281.0604	**3/8" – 18**	**1/4" – 18**	29	19
35.281.0606	**3/8" – 18**	**3/8" – 18**	29	19
35.281.0802	**1/2" – 14**	**1/8" – 27**	38	27
35.281.0804	**1/2" – 14**	**1/4" – 18**	38	27
35.281.0806	**1/2" – 14**	**3/8" – 18**	38	27
35.281.0808	**1/2" – 14**	**1/2" – 14**	38	27
35.281.1204	**3/4" – 14**	**1/4" – 18**	38	36
35.281.1206	**3/4" – 14**	**3/8" – 18**	39	36
35.281.1208	**3/4" – 14**	**1/2" – 14**	39	36
35.281.1212	**3/4" – 14**	**3/4" – 14**	39	36
35.281.1606	**1" – 11.1/2"**	**3/8" – 18**	39	41
35.281.1608	**1" – 11.1/2"**	**1/2" – 14**	48	41
35.281.1612	**1" – 11.1/2"**	**3/4" – 14**	48	41
35.281.1616	**1" – 11.1/2"**	**1" – 11.1/2"**	48	41
35.281.2012	**1.1/4" – 11.1/2"**	**3/4" – 14**	49	50
35.281.2016	**1.1/4" – 11.1/2"**	**1" – 11.1/2"**	49	50
35.281.2020	**1.1/4" – 11.1/2"**	**1.1/4" – 11.1/2"**	49	50
35.281.2416	**1.1/2" – 11.1/2"**	**1" – 11.1/2"**	49	60
35.281.2420	**1.1/2" – 11.1/2"**	**1.1/4" – 11.1/2"**	49	60
35.281.2424	**1.1/2" – 11.1/2"**	**1.1/2" – 11.1/2"**	49	60
35.281.3232	**2" – 11.1/2"**	**2" – 11.1/2"**	50	75

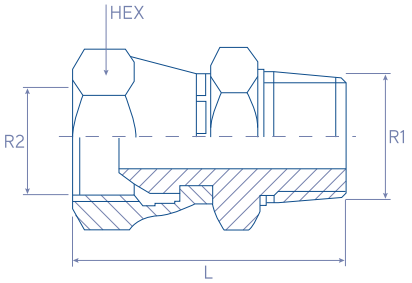
MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL NPT FEMALE X NPT FEMALE CONNECTOR (add an 'S' at the end of the part number; ex: 35.281.0808 S)

Balflex®

Balfit® NPT Male x Swivel NPSM Female Connector



35.282.

SAE J516 / SAE J476A

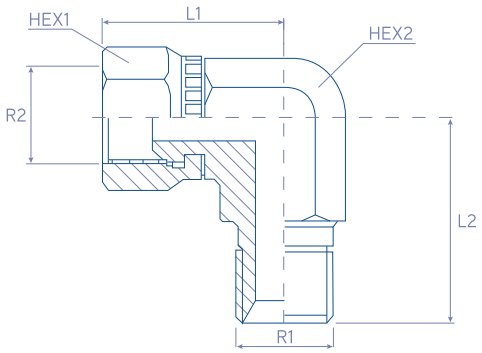
REFERENCE	thread		dimensions	
	R1	R2	L	HEX
35.282.0202	**1/8" – 27**	**1/8" – 27**	25	17
35.282.0402	**1/4" – 18**	**1/8" – 27**	30	17
35.282.0404	**1/4" – 18**	**1/4" – 18**	31	17
35.282.0406	**1/4" – 18**	**3/8" – 18**	32	22
35.282.0408	**1/4" – 18**	**1/2" – 14**	36	22
35.282.0604	**3/8" – 18**	**1/4" – 18**	33	22
35.282.0606	**3/8" – 18**	**3/8" – 18**	33	22
35.282.0608	**3/8" – 18**	**1/2" – 14**	33	25
35.282.0804	**1/2" – 14**	**1/4" – 18**	39	25
35.282.0806	**1/2" – 14**	**3/8" – 18**	40	25
35.282.0808	**1/2" – 14**	**1/2" – 14**	41	25
35.282.0812	**1/2" – 14**	**3/4" – 14**	44	32
35.282.1206	**3/4" – 14**	**3/8" – 18**	39	32
35.282.1208	**3/4" – 14**	**1/2" – 14**	42	32
35.282.1212	**3/4" – 14**	**3/4" – 14**	44	32
35.282.1216	**3/4" – 14**	**1" – 11.1/2"**	45	36
35.282.1220	**3/4" – 14**	**1.1/4" – 11.1/2"**	47	46
35.282.1606	**1" – 11.1/2"**	**3/8" – 18**	46	36
35.282.1608	**1" – 11.1/2"**	**1/2" – 14**	46	36
35.282.1612	**1" – 11.1/2"**	**3/4" – 14**	47	36
35.282.1616	**1" – 11.1/2"**	**1" – 11.1/2"**	51	36
35.282.1620	**1" – 11.1/2"**	**1.1/4" – 11.1/2"**	52	46
35.282.2016	**1.1/4" – 11.1/2"**	**1" – 11.1/2"**	51	46
35.282.2020	**1.1/4" – 11.1/2"**	**1.1/4" – 11.1/2"**	52	46
35.282.2024	**1.1/4" – 11.1/2"**	**1.1/2" – 11.1/2"**	56	55
35.282.2420	**1.1/2" – 11.1/2"**	**1.1/4" – 11.1/2"**	55	55
35.282.2424	**1.1/2" – 11.1/2"**	**1.1/2" – 11.1/2"**	56	55
35.282.3232	**2" – 11.1/2"**	**2" – 11.1/2"**	60	65

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® 90° Elbow NPT Male x Swivel NPSM Female



35.283.

SAE J516 / SAE J476A

	thread		dimensions			
REFERENCE	R1	R2	L1	L2	HEX1	HEX2
35.283.0202	1/8" – 27	1/8" – 27	23	20	14	14
35.283.0204	1/8" – 27	1/4" – 18	23	22	14	14
35.283.0402	1/4" – 18	1/8" – 27	28	20	14	14
35.283.0404	1/4" – 18	1/4" – 18	28	22	14	14
35.283.0406	1/4" – 18	3/8" – 18	31	25	19	19
35.283.0408	1/4" – 18	1/2" – 14	33	28	22	22
35.283.0604	3/8" – 18	1/4" – 18	31	25	19	19
35.283.0606	3/8" – 18	3/8" – 18	31	25	19	19
35.283.0608	3/8" – 18	1/2" – 14	33	28	22	22
35.283.0612	3/8" – 18	3/4" – 14	29	33	32	32
35.283.0804	1/2" – 14	1/4" – 18	37	26	22	22
35.283.0806	1/2" – 14	3/8" – 18	37	26	22	22
35.283.0808	1/2" – 14	1/2" – 14	37	28	22	22
35.283.0812	1/2" – 14	3/4" – 14	40	33	27	27
35.283.1204	3/4" – 14	1/4" – 18	51	24	32	32
35.283.1206	3/4" – 14	3/8" – 18	40	32	27	27
35.283.1208	3/4" – 14	1/2" – 14	40	34	27	27
35.283.1212	3/4" – 14	3/4" – 14	40	33	27	27
35.283.1216	3/4" – 14	1" – 11.1/2"	45	39	33	33
35.283.1220	3/4" – 14	1.1/4" – 11.1/2"	60	41	46	46
35.283.1608	1" – 11.1/2"	1/2" – 14	60	31	38	38
35.283.1612	1" – 11.1/2"	3/4" – 14	50	36	32	32
35.283.1616	1" – 11.1/2"	1" – 11.1/2"	50	39	32	32
35.283.1620	1" – 11.1/2"	1.1/4" – 11.1/2"	60	44	41	41
35.283.2012	1.1/4" – 11.1/2"	3/4" – 14	67	40	46	46
35.283.2016	1.1/4" – 11.1/2"	1" – 11.1/2"	60	43	41	41
35.283.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	60	44	41	41
35.283.2024	1.1/4" – 11.1/2"	1.1/2" – 11.1/2"	71	44	55	55
35.283.2420	1.1/2" – 11.1/2"	1.1/4" – 11.1/2"	67	45	46	46
35.283.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	67	48	46	46
35.283.3232	2" – 11.1/2"	2" – 11.1/2"	76	58	65	65

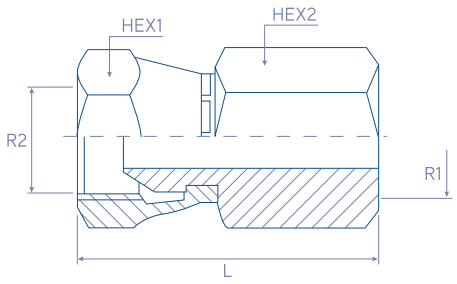
MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balflex®

Balfit® NPT Female x Swivel NPSM Female



35.285.

SAE J516 / SAE J476A

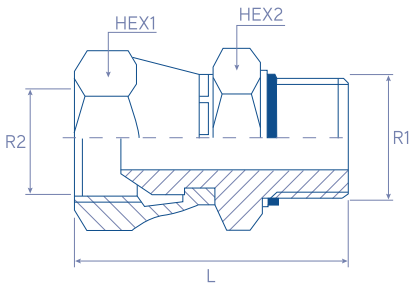
REFERENCE	thread		dimensions		
	R1	R2	L	HEX1	HEX2
35.285.0204	**1/8" – 27**	**1/4" – 18**	32	17	17
35.285.0402	**1/4" – 18**	**1/8" – 27**	30	17	17
35.285.0404	**1/4" – 18**	**1/4" – 18**	31	17	17
35.285.0406	**1/4" – 18**	**3/8" – 18**	32	17	17
35.285.0604	**3/8" – 18**	**1/4" – 18**	33	19	19
35.285.0606	**3/8" – 18**	**3/8" – 18**	33	19	19
35.285.0608	**3/8" – 18**	**1/2" – 14**	34	22	22
35.285.0804	**1/2" – 14**	**1/4" – 18**	39	22	22
35.285.0806	**1/2" – 14**	**3/8" – 18**	37	22	22
35.285.0808	**1/2" – 14**	**1/2" – 14**	38	22	22
35.285.0812	**1/2" – 14**	**3/4" – 14**	41	32	32
35.285.1208	**3/4" – 14**	**1/2" – 14**	39	32	32
35.285.1212	**3/4" – 14**	**3/4" – 14**	41	31	31
35.285.1216	**3/4" – 14**	**1" – 11.1/2"**	49	36	36
35.285.1612	**1" – 11.1/2"**	**3/4" – 14**	49	36	36
35.285.1616	**1" – 11.1/2"**	**1" – 11.1/2"**	51	36	36
35.285.2020	**1.1/4" – 11.1/2"**	**1.1/4" – 11.1/2"**	51	46	46
35.285.2424	**1.1/2" – 11.1/2"**	**1.1/2" – 11.1/2"**	51	55	55
35.285.3232	**2" – 11.1/2"**	**2" – 11.1/2"**	54	65	65

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL NPT FEMALE X SWIVEL NPSM FEMALE (add an 'S' at the end of the part number; ex: 35.285.0404 S)

Balfit® SAE-ORB Male x Swivel NPSM Female



35.286.

ISO 8434-2 / SAE J514 / SAE J516 / SAE J476A

	thread		dimensions		
REFERENCE	R1	R2	L	HEX1	HEX2
35.286.0402	7/16" – 20	1/8" – 27	27	14	14
35.286.0404	7/16" – 20	1/4" – 18	28	14	14
35.286.0406	7/16" – 20	3/8" – 18	29	19	19
35.286.0408	7/16" – 20	1/2" – 14	31	19	19
35.286.0504	1/2" – 20	1/4" – 18	28	17	17
35.286.0506	1/2" – 20	3/8" – 18	31	19	19
35.286.0604	9/16" – 18	1/4" – 18	27	17	17
35.286.0606	9/16" – 18	3/8" – 18	30	17	17
35.286.0608	9/16" – 18	1/2" – 14	31	22	22
35.286.0804	3/4" – 16	1/4" – 18	31	22	22
35.286.0806	3/4" – 16	3/8" – 18	31	22	22
35.286.0808	3/4" – 16	1/2" – 14	31	22	22
35.286.0812	3/4" – 16	3/4' – 14	36	25	25
35.286.1006	7/8" – 14	3/8" – 18	34	25	25
35.286.1008	7/8" – 14	1/2" – 14	41	25	25
35.286.1012	7/8" – 14	3/4" – 14	38	25	25
35.286.1206	1.1/16" – 12	3/8" – 18	39	32	32
35.286.1208	1.1/16" – 12	1/2" – 14	37	32	32
35.286.1212	1.1/16" – 12	3/4" – 14	40	32	32
35.286.1216	1.1/16" – 12	1" – 11.1/2"	41	32	32
35.286.1412	1.3/16" – 12	3/4" – 14	50	36	36
35.286.1416	1.3/16" – 12	1" – 11.1/2"	44	36	36
35.286.1608	1.5/16" – 12	1/2" – 14	41	36	36
35.286.1612	1.5/16" – 12	3/4" – 14	43	41	41
35.286.1616	1.5/16" – 12	1" – 11.1/2"	43	41	41
35.286.1620	1.5/16'" – 12	1.1/4" – 11.1/2"	48	46	46
35.286.2012	1.5/8" – 12	3/4" – 14	45	46	46
35.286.2016	1.5/8" – 12	1" – 11.1/2"	46	46	46
35.286.2020	1.5/8" – 12	1.1/4" – 11.1/2"	57	46	46
35.286.2420	1.7/8" – 12	1.1/4" – 11.1/2"	50	55	55
35.286.2424	1.7/8" – 12	1.1/2" – 11.1/2"	50	55	55
35.286.3232	2.1/2" – 12	2" – 11.1/2"	55	55	55

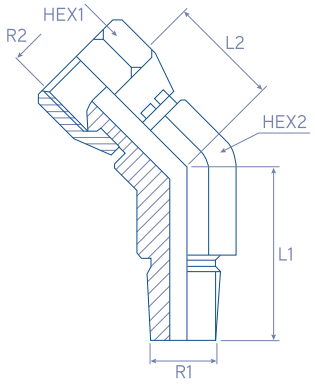
MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balflex®

Balfit® 45° Elbow NPT Male x NPSM Swivel Female



35.287.

ISO 8434-2 / SAE J516 / SAE J476A

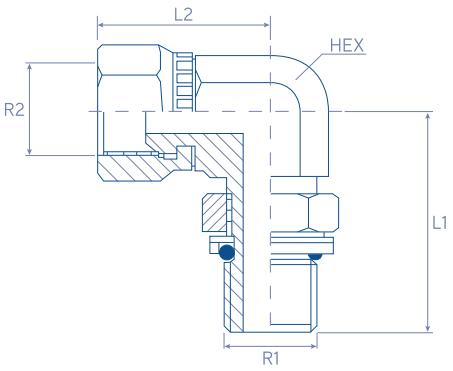
	thread		dimensions			
REFERENCE	R1	R2	L1	L2	HEX1	HEX2
35.287.0204	1/8" – 27	1/4" – 18	17	12	17	17
35.287.0402	1/4" – 18	1/8" – 27	23	13	17	17
35.287.0404	1/4" – 18	1/4" – 18	22	19	14	14
35.287.0406	1/4" – 18	3/8" – 18	19	27	22	22
35.287.0408	1/4" – 18	1/2" – 14	33	18	25	25
35.287.0604	3/8" – 18	1/4" – 18	24	20	19	19
35.287.0606	3/8" – 18	3/8" – 18	24	21	19	19
35.287.0608	3/8" – 18	1/2" – 14	25	22	22	22
35.287.0804	1/2" – 14	1/4" – 18	19	35	25	25
35.287.0806	1/2" – 14	3/8" – 18	30	21	22	22
35.287.0808	1/2" – 14	1/2" – 14	30	22	22	22
35.287.0812	1/2" – 14	3/4" – 14	30	26	27	27
35.287.1206	3/4" – 14	3/8" – 18	34	25	32	32
35.287.1208	3/4" – 14	1/2" – 14	30	27	27	27
35.287.1212	3/4" – 14	3/4" – 14	30	26	27	27
35.287.1216	3/4" – 14	1" – 11.1/2"	33	29	33	33
35.287.1612	1" – 11.1/2"	3/4" – 14	38	26	33	33
35.287.1616	1" – 11.1/2"	1" – 11.1/2"	38	29	33	33
35.287.1620	1" – 11.1/2"	1.1/4" – 11.1/2"	42	31	41	41
35.287.2016	1.1/4" – 11.1/2"	1" – 11.1/2"	42	30	41	41
35.287.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	42	31	41	41
35.287.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	45	34	48	48
35.287.3232	2" – 11.1/2"	2" – 11.1/2"	54	37	64	64

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® 90° Elbow SAE-ORB Male x NPSM Swivel Female



35.289.

ISO 8434-2 / SAE J514 / SAE J516 / SAE J476A

	thread		dimensions		
REFERENCE	R1	R2	L1	L2	HEX
35.289.0402	**7/16" – 20**	**1/8" – 27**	28	19	14
35.289.0404	**7/16" – 20**	**1/4" – 18**	26	25	19
35.289.0406	**7/16" – 20**	**3/8" – 18**	32	24	22
35.289.0408	**7/16" – 20**	**1/2" – 14**	33	26	25
35.289.0504	**1/2" – 20**	**1/4" – 18**	29	20	19
35.289.0604	**9/16" – 18**	**1/4" – 18**	32	27	19
35.289.0606	**9/16" – 18**	**3/8" – 18**	32	28	22
35.289.0608	**9/16" – 18**	**1/2" – 14**	35	34	27
35.289.0804	**3/4" – 16**	**1/4" – 18**	38	23	19
35.289.0806	**3/4" – 16**	**3/8" – 18**	37	30	22
35.289.0808	**3/4" – 16**	**1/2" – 14**	37	34	27
35.289.0812	**3/4" – 16**	**3/4' – 14**	41	42	33
35.289.1004	**7/8" – 14**	**1/4" – 18**	42	23	29
35.289.1006	**7/8" – 14**	**3/8" – 18**	43	32	29
35.289.1008	**7/8" – 14**	**1/2" – 14**	43	35	29
35.289.1012	**7/8" – 14**	**3/4" – 14**	45	41	29
35.289.1206	**1.1/16" – 12**	**3/8" – 18**	49	28	32
35.289.1208	**1.1/16" – 12**	**1/2" – 14**	49	38	32
35.289.1212	**1.1/16" – 12**	**3/4" – 14**	49	42	42
35.289.1216	**1.1/16" – 12**	**1" – 11.1/2"**	51	32	42
35.289.1412	**1.3/16" – 12**	**3/4" – 14**	49	32	32
35.289.1416	**1.3/16" – 12**	**1" – 11.1/2"**	51	53	32
35.289.1612	**1.5/16" – 12**	**3/4" – 14**	53	25	33
35.289.1616	**1.5/16" – 12**	**1" – 11.1/2"**	52	48	48
35.289.1620	**1.5/16'" – 12**	**1.1/4" – 11.1/2"**	57	56	56
35.289.2012	**1.5/8" – 12**	**3/4" – 14**	63	51	51
35.289.2016	**1.5/8" – 12**	**1" – 11.1/2"**	57	53	53
35.289.2020	**1.5/8" – 12**	**1.1/4" – 11.1/2"**	57	56	56
35.289.2424	**1.7/8" – 12**	**1.1/2" – 11.1/2"**	66	44	65
35.289.3232	**2.1/2" – 12**	**2" – 11.1/2"**	83	59	71

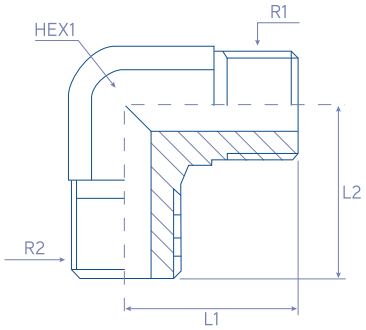
MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balflex®

Balfit® NPT Male 90° Elbow



35.800.

SAE J516 / SAE J476A

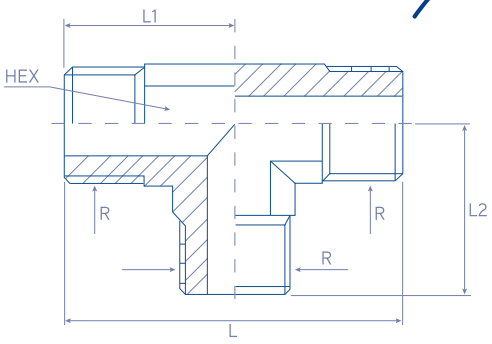
REFERENCE	thread		dimensions		
	R1	R2	L1	L2	HEX
35.800.0202	**1/8" – 27**	**1/8" – 27**	20	20	14
35.800.0402	**1/4" – 18**	**1/8" – 27**	28	23	14
35.800.0404	**1/4" – 18**	**1/4" – 18**	28	28	14
35.800.0604	**3/8" – 18**	**1/4" – 18**	31	31	19
35.800.0606	**3/8" – 18**	**3/8" – 18**	31	31	19
35.800.0804	**1/2" – 14**	**1/4" – 18**	37	33	22
35.800.0806	**1/2" – 14**	**3/8" – 18**	37	33	22
35.800.0808	**1/2" – 14**	**1/2" – 14**	37	37	22
35.800.1208	**3/4" – 14**	**1/2" – 14**	40	40	27
35.800.1212	**3/4" – 14**	**3/4" – 14**	40	40	27
35.800.1608	**1" – 11.1/2"**	**1/2" – 14**	50	45	35
35.800.1612	**1" – 11.1/2"**	**3/4" – 14**	50	45	35
35.800.1616	**1" – 11.1/2"**	**1" – 11.1/2"**	50	50	35
35.800.2020	**1.1/4" – 11.1/2"**	**1.1/4" – 11.1/2"**	60	60	44
35.800.2424	**1.1/2" – 11.1/2"**	**1.1/2" – 11.1/2"**	67	67	50
35.800.3232	**2" – 11.1/2"**	**2" – 11.1/2"**	76	76	65

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL NPT MALE 90° ELBOW (add an 'S' at the end of the part number; ex: 35.800.0404 S)

Balfit® NPT Male Tee



35.801.

SAE J516 / SAE J476A

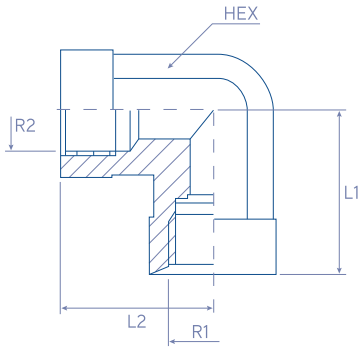
REFERENCE	thread R	dimensions L	L1	L2	HEX
35.801.020202	**1/8" – 27**	40	20	20	12
35.801.040404	**1/4" – 18**	56	28	28	14
35.801.060606	**3/8" – 18**	62	31	31	19
35.801.080808	**1/2" – 14**	74	37	37	22
35.801.121212	**3/4" – 14**	80	40	40	27
35.801.161616	**1" – 11.1/2"**	100	50	50	32

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL NPT MALE TEE (add an 'S' at the end of the part number; ex: 35.801.0404 S)

Balfit® 90° Elbow NPT Female



35.802.

SAE J516 / SAE J476A

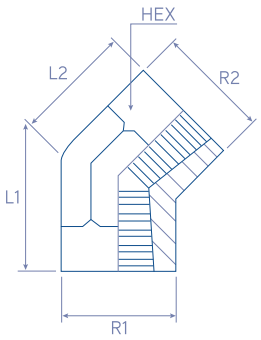
REFERENCE	thread R1	R2	dimensions L1	L2	HEX
35.802.0202	**1/8" – 27**	**1/8" – 27**	17	17	19
35.802.0404	**1/4" – 18**	**1/4" – 18**	22	22	19
35.802.0604	**3/8" – 18**	**1/4" – 18**	26	26	22
35.802.0606	**3/8" – 18**	**3/8" – 18**	26	26	22
35.802.0808	**1/2" – 14**	**1/2" – 14**	31	31	27
35.802.1212	**3/4" – 14**	**3/4" – 14**	35	35	32
35.802.1616	**1" – 11.1/2"**	**1" – 11.1/2"**	41	41	41
35.802.2020	**1.1/4" – 11.1/2"**	**1.1/4" – 11.1/2"**	43	43	46
35.802.2424	**1.1/2" – 11.1/2"**	**1.1/2" – 11.1/2"**	53	53	65
35.802.3232	**2" – 11.1/2"**	**2" – 11.1/2"**	61	61	75

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL 90° ELBOW NPT FEMALE (add an 'S' at the end of the part number; ex: 35.802.04 S)

Balfit® 45° Elbow NPT Female



35.813.

SAE J516 / SAE J476A

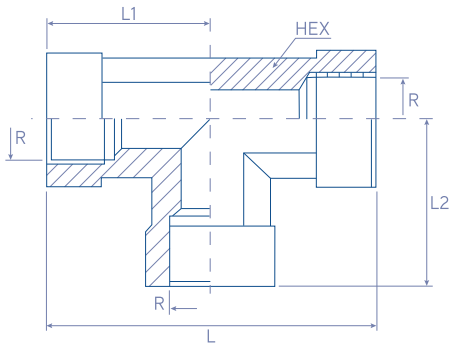
REFERENCE	thread		dimensions		
	R1	R2	L1	L2	HEX
35.813.0404	**1/4" – 18**	**1/4" – 18**	18	18	19
35.813.0606	**3/8" – 18**	**3/8" – 18**	19	19	22
35.813.0808	**1/2" – 14**	**1/2" – 14**	24	24	27
35.813.1212	**3/4" – 14**	**3/4" – 14**	25	25	32
35.813.1616	**1" – 11.1/2"**	**1" – 11.1/2"**	30	30	41
35.813.2020	**1.1/4" – 11.1/2"**	**1.1/4" – 11.1/2"**	37	37	50

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL 45° ELBOW NPT FEMALE (add an 'S' at the end of the part number; ex: 35.813.04 S)

Balfit® NPT Female Tee



35.803.

SAE J516 / SAE J476A

REFERENCE	thread	dimensions			
	R	L	L1	L2	HEX
35.803.0404	**1/4" – 18**	44	22	22	19
35.803.0606	**3/8" – 18**	52	26	26	22
35.803.0808	**1/2" – 14**	62	31	31	27
35.803.1212	**3/4" – 14**	70	35	35	32
35.803.1616	**1" – 11.1/2"**	82	41	41	41
35.803.2020	**1.1/4" – 11.1/2"**	86	43	43	46
35.803.2424	**1.1/2" – 11.1/2"**	106	53	53	65
35.803.3232	**2" – 11.1/2"**	122	61	61	75

MATERIAL: Carbon Steel zinc-plated

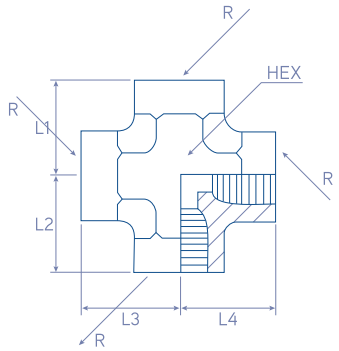
FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL NPT FEMALE TEE (add an 'S' at the end of the part number; ex: 35.803.0404 S)

Balfit® NPT Female Cross

35.804.

SAE J516 / SAE J476A



REFERENCE	thread	dimensions				
	R	L1	L2	L3	L4	HEX
35.804.04040404	**1/4" – 18**	22	22	22	22	22
35.804.06060606	**3/8" – 18**	26	26	26	26	26
35.804.08080808	**1/2" – 14**	31	31	31	31	31
35.804.12121212	**3/4" – 14**	35	35	35	35	35
35.804.16161616	**1" – 11.1/2"**	41	41	41	41	41
35.804.20202020	**1.1/4" – 11.1/2"**	41	41	41	41	46
35.804.24242424	**1.1/2" – 11.1/2"**	41	41	41	41	65
35.804.32323232	**2" – 11.1/2"**	61	61	61	61	70

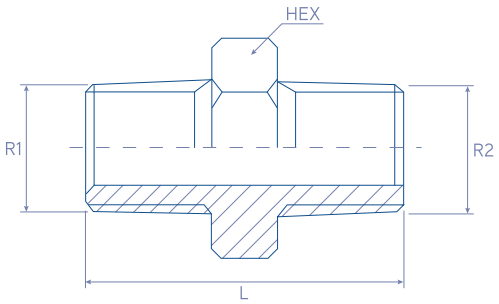
MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL NPT FEMALE CROSS (add an 'S' at the end of the part number; ex: 35.804.0404 S)

Balflex®

Balfit® NPT Male Union



35.805.

SAE J516 / SAE J476A

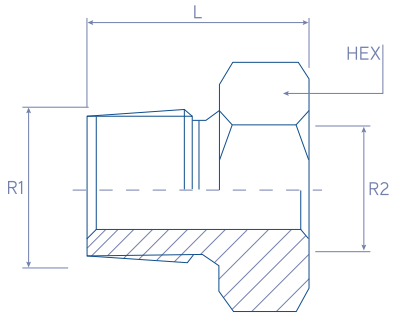
REFERENCE	thread		dimensions	
	R1	R2	L	HEX
35.805.0202	1/8" – 27	1/8" – 27	27	12
35.805.0402	1/4" – 18	1/8" – 27	32	17
35.805.0404	1/4" – 18	1/4" – 18	37	17
35.805.0602	3/8" – 18	1/8" – 27	32	19
35.805.0604	3/8" – 18	1/4" – 18	37	19
35.805.0606	3/8" – 18	3/8" – 18	37	19
35.805.0804	1/2" – 14	1/4" – 18	43	22
35.805.0806	1/2" – 14	3/8" – 18	43	22
35.805.0808	1/2" – 14	1/2" – 14	48	22
35.805.1204	3/4" – 14	1/4" – 18	45	28
35.805.1206	3/4" – 14	3/8" – 18	45	28
35.805.1208	3/4" – 14	1/2" – 14	50	28
35.805.1212	3/4" – 14	3/4" – 14	50	28
35.805.1604	1" – 11.1/2"	1/4" – 18	50	35
35.805.1606	1" – 11.1/2"	3/8" – 18	50	35
35.805.1608	1" – 11.1/2"	1/2" – 14	55	35
35.805.1612	1" – 11.1/2"	3/4" – 14	55	35
35.805.1616	1" – 11.1/2"	1" – 11.1/2"	59	35
35.805.2012	1.1/4" – 11.1/2"	3/4" – 14	61	46
35.805.2016	1.1/4" – 11.1/2"	1" – 11.1/2"	62	46
35.805.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	63	46
35.805.2412	1.1/2" – 11.1/2"	3/4" – 14	60	50
35.805.2416	1.1/2" – 11.1/2"	1" – 11.1/2"	65	50
35.805.2420	1.1/2" – 11.1/2"	1.1/4" – 11.1/2"	66	50
35.805.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	66	50
35.805.3216	2" – 11.1/2"	1" – 11.1/2"	69	65
35.805.3220	2" – 11.1/2"	1.1/4" – 11.1/2"	70	65
35.805.3224	2" – 11.1/2"	1.1/2" – 11.1/2"	70	65
35.805.3232	2" – 11.1/2"	2" – 11.1/2"	72	65

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL NPT MALE UNION (add an 'S' at the end of the part number; ex: 35.805.0404 S)

Balfit® NPT Thread Reducer Bushing



35.806.

SAE J516 / SAE J476A

REFERENCE	thread		dimensions	
	R1	R2	L	HEX
35.806.0402	1/4" – 18	1/8" – 27	22	17
35.806.0602	3/8" – 18	1/8" – 27	22	19
35.806.0604	3/8" – 18	1/4" – 18	22	19
35.806.0802	1/2" – 14	1/8" – 27	28	22
35.806.0804	1/2" – 14	1/4" – 18	28	22
35.806.0806	1/2" – 14	3/8" – 18	28	22
35.806.1202	3/4" – 14	1/8" – 27	30	30
35.806.1204	3/4" – 14	1/4" – 18	30	30
35.806.1206	3/4" – 14	3/8" – 18	30	30
35.806.1208	3/4" – 14	1/2" – 14	30	30
35.806.1602	1" – 11.1/2"	1/8" – 27	35	36
35.806.1604	1" – 11.1/2"	1/4" – 18	35	36
35.806.1606	1" – 11.1/2"	3/8" – 18	35	36
35.806.1608	1" – 11.1/2"	1/2" – 14	35	36
35.806.1612	1" – 11.1/2"	3/4" – 14	35	35
35.806.2004	1.1/4" – 11.1/2"	1/4" – 18	37	37
35.806.2006	1.1/4" – 11.1/2"	3/8" – 18	37	37
35.806.2008	1.1/4" – 11.1/2"	1/2" – 14	37	37
35.806.2012	1.1/4" – 11.1/2"	3/4" – 14	37	37
35.806.2016	1.1/4" – 11.1/2"	1" – 11.1/2"	37	37
35.806.2404	1.1/2" – 11.1/2"	1/4" – 18	40	40
35.806.2406	1.1/2" – 11.1/2"	3/8" – 18	40	40
35.806.2408	1.1/2" – 11.1/2"	1/2" – 14	40	40
35.806.2412	1.1/2" – 11.1/2"	3/4" – 14	40	40
35.806.2416	1.1/2" – 11.1/2"	1" – 11.1/2"	40	40
35.806.2420	1.1/2" – 11.1/2"	1.1/4" – 11.1/2"	40	40
35.806.3206	2" – 11.1/2"	3/8" – 18	44	44
35.806.3208	2" – 11.1/2"	1/2" – 14	44	44
35.806.3212	2" – 11.1/2"	3/4" – 14	44	44
35.806.3216	2" – 11.1/2"	1" – 11.1/2"	44	44
35.806.3220	2" – 11.1/2"	1.1/4" – 11.1/2"	44	44
35.806.3224	2" – 11.1/2"	1.1/2" – 11.1/2"	44	44

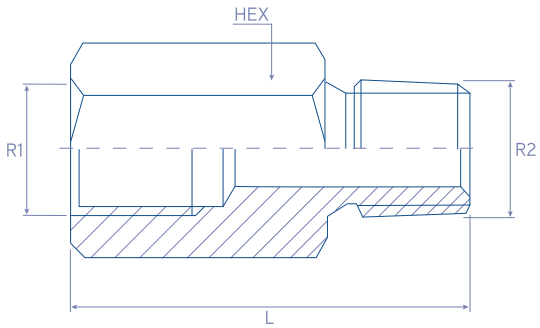
MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL NPT THREAD REDUCER (add an 'S' at the end of the part number; ex: 35.806.0402 S)

Balflex®

Balfit® Female NPT to Male NPT Expander



35.807.

SAE J516 / SAE J476A

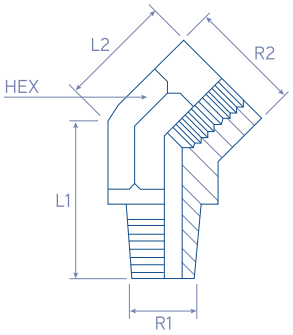
	thread		dimensions	
REFERENCE	R1	R2	L	HEX
35.807.0204	1/8" – 27	1/4" – 18	31	17
35.807.0206	1/8" – 27	3/8" – 18	36	17
35.807.0402	1/4" – 18	1/8" – 27	31	19
35.807.0404	1/4" – 18	1/4" – 18	35	19
35.807.0406	1/4" – 18	3/8" – 18	37	19
35.807.0602	3/8" – 18	1/8" – 27	32	22
35.807.0604	3/8" – 18	1/4" – 18	37	22
35.807.0606	3/8" – 18	3/8" – 18	36	22
35.807.0608	3/8" – 18	1/2" – 14	47	22
35.807.0612	3/8" – 18	3/4" – 14	41	25
35.807.0802	1/2" – 14	1/8" – 27	38	32
35.807.0804	1/2" – 14	1/4" – 18	43	32
35.807.0806	1/2" – 14	3/8" – 18	43	32
35.807.0808	1/2" – 14	1/2" – 14	47	32
35.807.0812	1/2" – 14	3/4" – 14	49	32
35.807.0816	1/2" – 14	1" – 11.1/2"	52	32
35.807.1204	3/4" – 14	1/4" – 18	44	36
35.807.1206	3/4" – 14	3/8" – 18	44	36
35.807.1208	3/4" – 14	1/2" – 14	49	36
35.807.1212	3/4" – 14	3/4" – 14	49	36
35.807.1216	3/4" – 14	1" – 11.1/2"	54	35
35.807.1612	1" – 11.1/2"	3/4" – 14	55	41
35.807.1616	1" – 11.1/2"	1" – 11.1/2"	60	41
35.807.1620	1" – 11.1/2"	1.1/4" – 11.1/2"	64	46
35.807.2012	1.1/4" – 11.1/2"	3/4" – 14	58	51
35.807.2016	1.1/4" – 11.1/2"	1" – 11.1/2"	62	51
35.807.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	63	51
35.807.2024	1.1/4" – 11.1/2"	1.1/2" – 11.1/2"	56	51
35.807.2416	1.1/2" – 11.1/2"	1" – 11.1/2"	63	61
35.807.2420	1.1/2" – 11.1/2"	1.1/4" – 11.1/2"	64	60
35.807.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	64	60
35.807.3220	2" – 11.1/2"	1.1/4" – 11.1/2"	66	75
35.807.3224	2" – 11.1/2"	1.1/2" – 11.1/2"	67	75
35.807.3232	2" – 11.1/2"	2" – 11.1/2"	67	75

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL NPT TO MALE NPT EXPANDER (add an 'S' at the end of the part number; ex: 35.807.0402 S)

Balfit® 45° Elbow Female NPT to Male NPT



35.808.

SAE J516 / SAE J476A

REFERENCE	thread		dimensions		
	R1	R2	L1	L2	HEX
35.808.0202	**1/8" – 27**	**1/8" – 27**	18	12	14
35.808.0404	**1/4" – 18**	**1/4" – 18**	27	16	19
35.808.0606	**3/8" – 18**	**3/8" – 18**	27	18	22
35.808.0808	**1/2" – 14**	**1/2" – 14**	34	23	27
35.808.1212	**3/4" – 14**	**3/4" – 14**	35	25	32
35.808.1616	**1" – 11.1/2"**	**1" – 11.1/2"**	44	44	41
35.808.2020	**1.1/4" – 11.1/2"**	**1.1/4" – 11.1/2"**	46	41	46

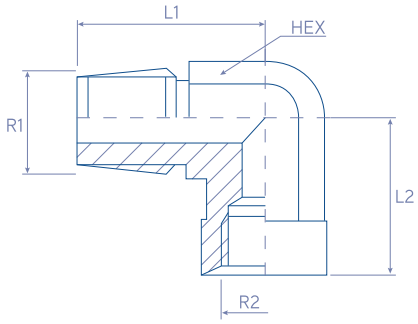
MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balflex®

Balfit® 90° Elbow Female NPT to Male NPT



35.809.

SAE J516 / SAE J476A

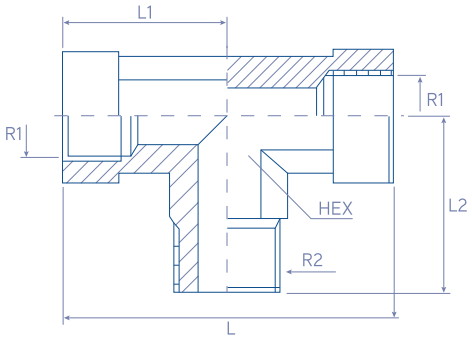
REFERENCE	thread		dimensions		
	R1	R2	L1	L2	HEX
35.809.0202	1/8" – 27	1/8" – 27	23	17	17
35.809.0204	1/8" – 27	1/4" – 18	23	22	19
35.809.0402	1/4" – 18	1/8" – 27	28	17	17
35.809.0404	1/4" – 18	1/4" – 18	28	22	19
35.809.0406	1/4" – 18	3/8" – 18	31	26	22
35.809.0408	1/4" – 18	1/2" – 14	33	31	27
35.809.0602	3/8" – 18	1/8" – 27	31	20	22
35.809.0604	3/8" – 18	1/4" – 18	31	26	22
35.809.0606	3/8" – 18	3/8" – 18	31	26	22
35.809.0608	3/8" – 18	1/2" – 14	33	31	27
35.809.0804	1/2" – 14	1/4" – 18	37	25	22
35.809.0806	1/2" – 14	3/8" – 18	37	26	22
35.809.0808	1/2" – 14	1/2" – 14	37	31	27
35.809.0812	1/2" – 14	3/4" – 14	40	35	32
35.809.1208	3/4" – 14	1/2" – 14	40	31	27
35.809.1212	3/4" – 14	3/4" – 14	40	35	32
35.809.1612	1" – 11.1/2"	3/4" – 14	50	35	32
35.809.1616	1" – 11.1/2"	1" – 11.1/2"	50	41	41
35.809.2016	1.1/4" – 11.1/2"	1" – 11.1/2"	60	41	41
35.809.2020	1.1/4" – 11.1/2"	1.1/4" – 11.1/2"	60	43	46
35.809.2420	1.1/2" – 11.1/2"	1.1/4" – 11.1/2"	67	43	51
35.809.2424	1.1/2" – 11.1/2"	1.1/2" – 11.1/2"	67	53	65
35.809.3232	2" – 11.1/2"	2" – 11.1/2"	76	61	70

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® Female NPT to Male NPT Branch Tee



35.810.

SAE J516 / SAE J476A

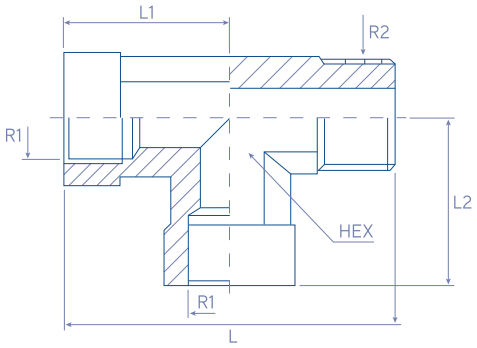
REFERENCE	thread		dimensions			
	R1	R2	L	L1	L2	HEX
35.810.040404	**1/4" – 18**	**1/4" – 18**	44	22	28	19
35.810.060606	**3/8" – 18**	**3/8" – 18**	52	26	31	22
35.810.080808	**1/2" – 14**	**1/2" – 14**	62	31	37	27
35.810.121212	**3/4" – 14**	**3/4" – 14**	70	35	40	32
35.810.161616	**1" – 11.1/2"**	**1" – 11.1/2"**	82	41	50	41
35.810.202020	**1.1/4" – 11.1/2"**	**1.1/4" – 11.1/2"**	86	43	60	51
35.810.242424	**1.1/2" – 11.1/2"**	**1.1/2" – 11.1/2"**	106	53	67	65

MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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® Female NPT to Male NPT Run Tee



35.811.

SAE J516 / SAE J476A

REFERENCE	thread		dimensions			
	R1	R2	L	L1	L2	HEX
35.811.040404	**1/4" – 18**	**1/4" – 18**	50	22	22	19
35.811.060606	**3/8" – 18**	**3/8" – 18**	57	26	26	22
35.811.080808	**1/2" – 14**	**1/2" – 14**	68	31	31	27
35.811.121212	**3/4" – 14**	**3/4" – 14**	75	35	35	32
35.811.161616	**1" – 11.1/2"**	**1" – 11.1/2"**	91	41	41	41
35.811.202020	**1.1/4" – 11.1/2"**	**1.1/4" – 11.1/2"**	103	43	43	50
35.811.242424	**1.1/2" – 11.1/2"**	**1.1/2" – 11.1/2"**	120	53	53	65
35.811.323232	**2" – 11.1/2"**	**2" – 11.1/2"**	137	61	61	75

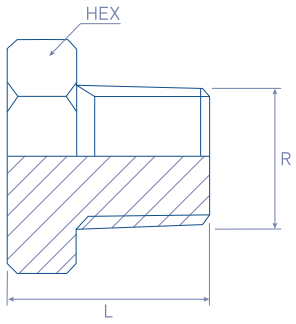
MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balflex®

Balfit® NPT Hex Male Plug



35.812.

SAE J516 / SAE J476A

REFERENCE	thread	dimensions	
	R	L	HEX
35.812.0202	**1/8" – 27**	15	12
35.812.0404	**1/4" – 18**	20	14
35.812.0606	**3/8" – 18**	20	17
35.812.0808	**1/2" – 14**	25	19
35.812.1212	**3/4" – 14**	27	27
35.812.1616	**1" – 11.1/2"**	35	36
35.812.2020	**1.1/4" – 11.1/2"**	37	46
35.812.2424	**1.1/2" – 11.1/2"**	40	50
35.812.3232	**2" – 11.1/2"**	44	65

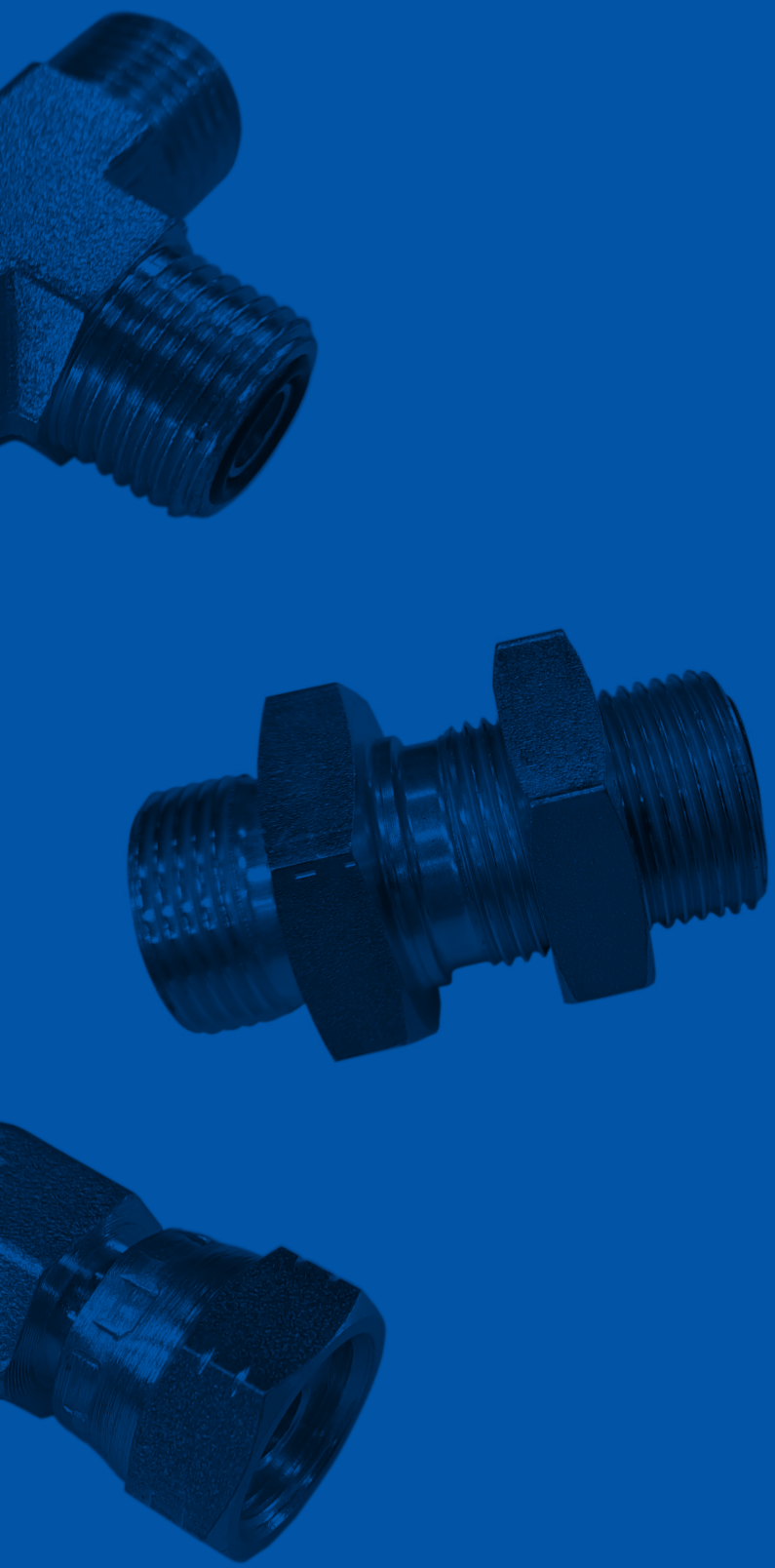
MATERIAL: Carbon Steel zinc-plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL NPT MALE PLUG (add an 'S' at the end of the part number; ex: 35.812.0404 S)

Adapters Series 36



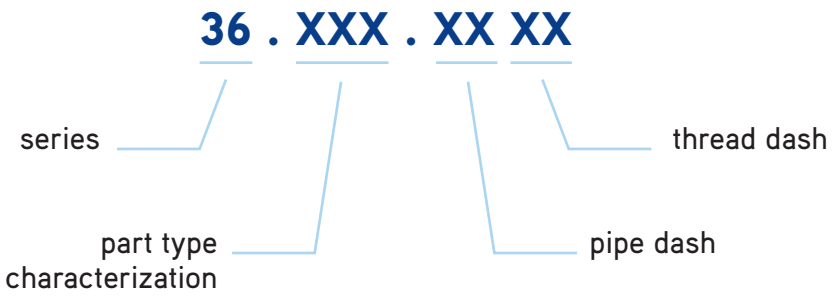


Balfit® ORFS O'Ring Face Seal Fittings (Series 36)

*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:



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.

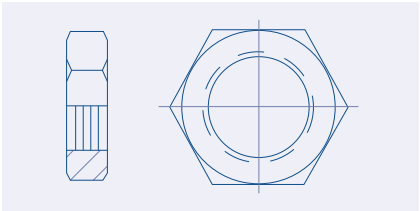
Whenever the weight of the parts or the packaging type does not allow assuring this kind of protection, individual plastic caps should be used. All connectors should preferably be handled in small quantities and never in bulk quantities.

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.

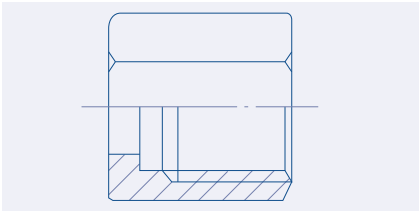
Manufacturing processes leave dirt residues in the tube. Cutting and deburring may leave metal particles that should be removed In order to prevent contamination of the hydraulic system.

Important notice

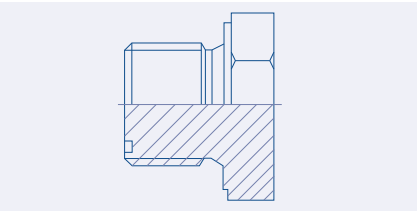
Selection, assembly and installation of hydraulic lines require specific professional training. This catalogue only supplies additional information and technical data for selection and use of **Balfit® ORFS O'Ring Face Seal Fittings**.



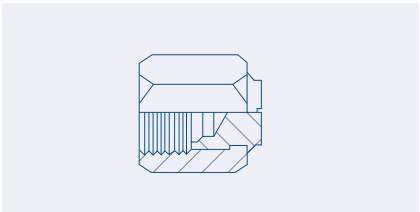
Bulkhead Locknut
36.017.
pag. 129



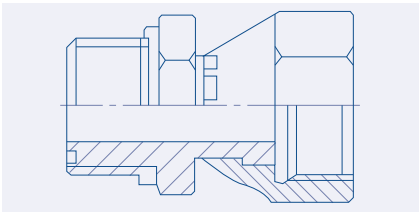
Tightening Nut
36.110.
pag. 129



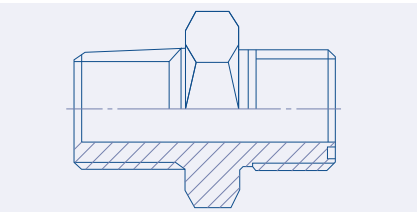
Plugs
36.141.
pag. 130



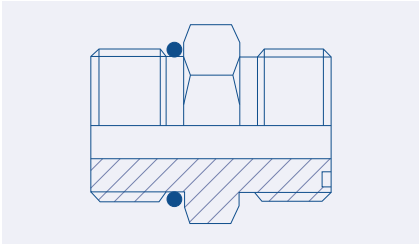
Cap
36.142.
pag. 130



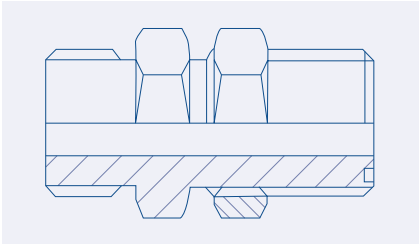
Swivel Connector ORFS Male x ORFS Female
36.180.
pag. 131



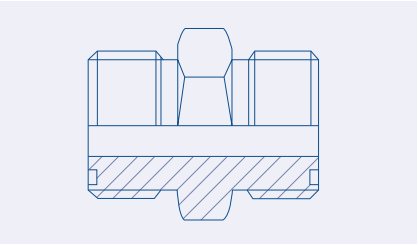
Male Connector (ORFS x NPT)
36.200.
pag. 132



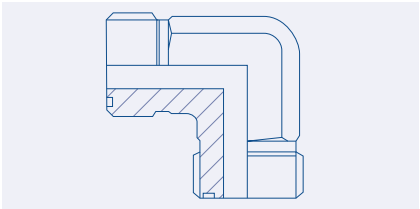
ORFS x SAE - ORB Straight Male Connector
36.220.
pag. 133



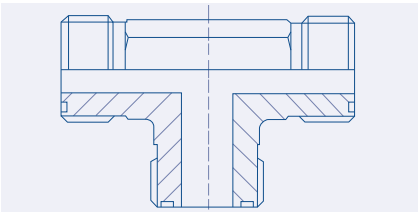
Straight Bulkhead Union ORFS Male
36.250.
pag. 134



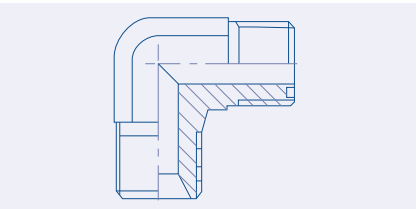
Straight ORFS Male Union
36.260.
pag. 135



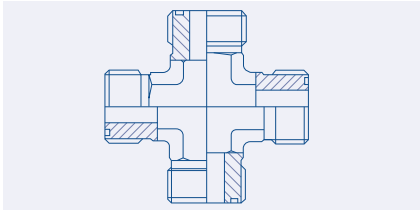
90° Elbow ORFS Male Union
36.500.
pag. 136



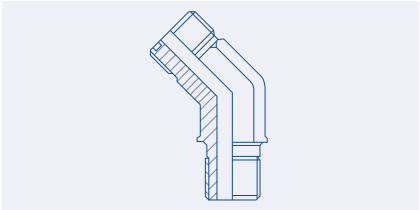
Union Tee ORFS Male
36.505.
pag. 137



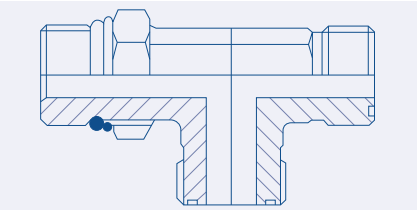
90°Elbow Male Connector (ORFS x NPT)
36.525.
pag. 138



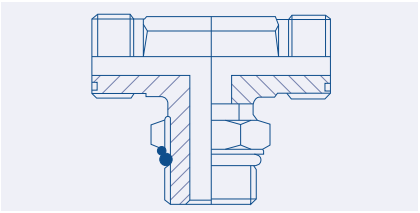
ORFS Union Cross
36.595.
pag. 139



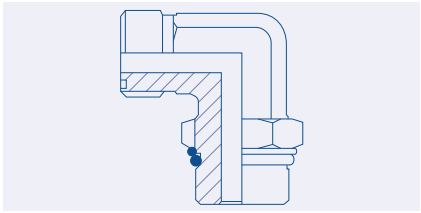
45°Elbow Male Connector (ORFS x NPT)
36.540.
pag. 140



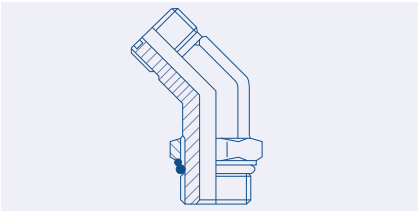
Orientable SAE - ORB Run Tee
36.580.
pag. 141



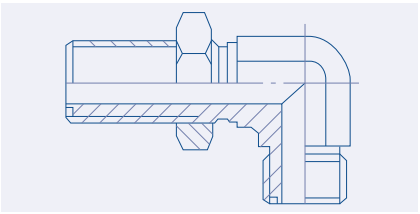
Orientable SAE-ORB Branch Tee
36.585. pag. 142



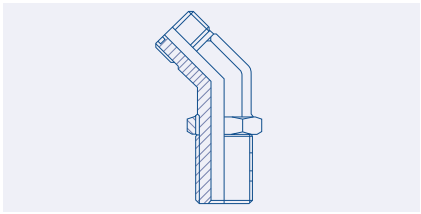
90° Elbow ORFS Male x SAE-ORB
36.575. pag. 143



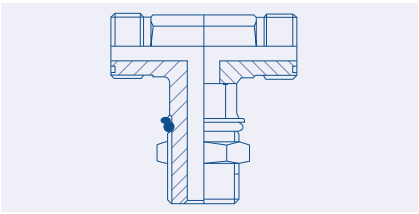
45° Elbow ORFS Male x SAE-ORB
36.590. pag. 144



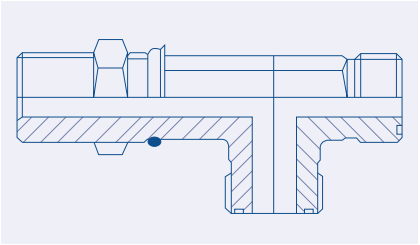
Bulkhead 90° Elbow Union
36.650.
pag. 145



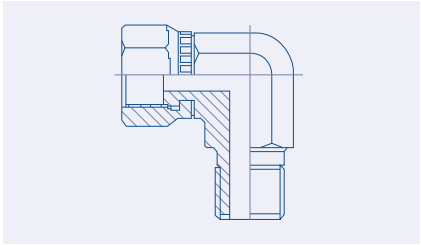
Bulkhead 45° Elbow Union
36.510.
pag. 146



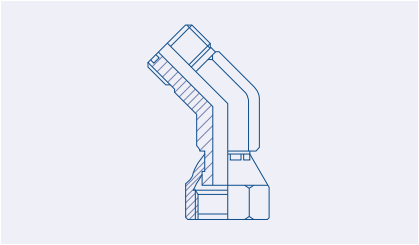
Bulkhead Branch Tee
36.515.
pag. 147



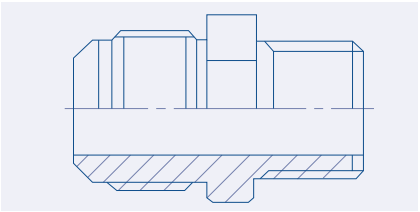
Bulkhead Run Tee
36.520.
pag. 148



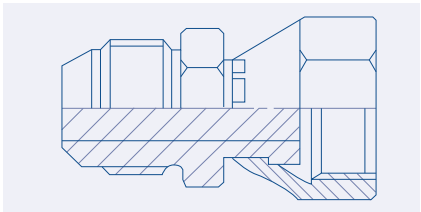
90° Swivel Connector ORFS M. x ORFS F.
36.675. pag. 149



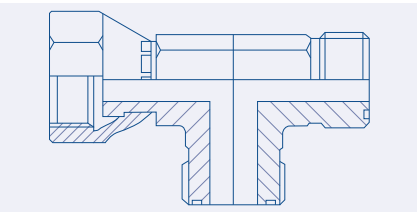
45° Swivel Connector ORFS M. x ORFS F.
36.690. pag. 150



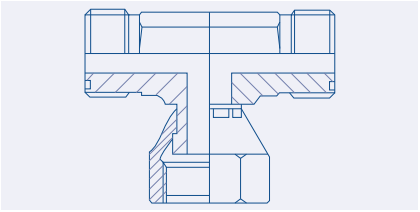
ORFS Male x JIC Male Connector
36.280. pag. 151



Swivel Connector ORFS Female x JIC Male
36.281. pag. 152

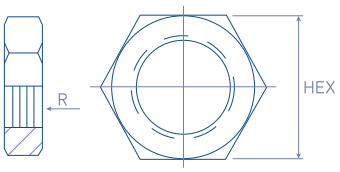


Swivel Connector Run Tee
36.680.
pag. 153



Swivel Connector Branch Tee
36.685.
pag. 154

Balfit® Bulkhead Locknut



36.017.

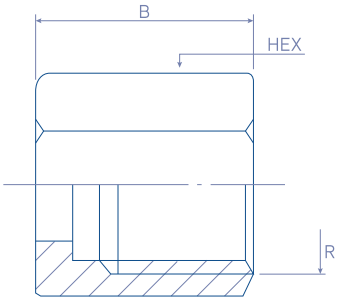
ISO 8434-3 / SAE J1453

REFERENCE	dimensions R	dimensions HEX
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

MATERIAL: Carbon Steel 100R6 **FINISH:** Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL LOCKNUT (add an 'S' at the end of the part number; ex: 36.110.08S)

Balfit® Tightening Nut



36.110.

ISO 8434-3 / SAE J1453

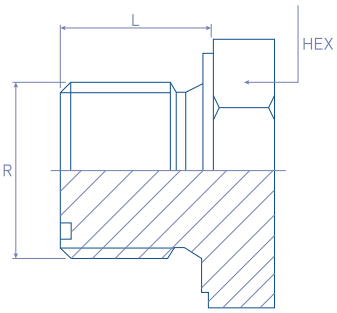
REFERENCE	tube mm	tube inch	dimensions R	dimensions B	dimensions HEX
36.110.04	6	1/4"	**9/16" - 18**	15	17
36.110.06	10	3/8"	**11/16" – 16**	17	22
36.110.08	12	1/2"	**13/16" – 16**	20	24
36.110.10	16	5/8"	**1" – 14**	24	30
36.110.12	20	3/4"	**1.3/16" – 12**	26.5	36
36.110.16	25	1"	**1.7/16" – 12**	27.5	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

MATERIAL: Carbon Steel **FINISH:** Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL TIGHTENING NUT (add an 'S' at the end of the part number; ex: 36.110.08S)

Balflex®

Balfit® Plugs



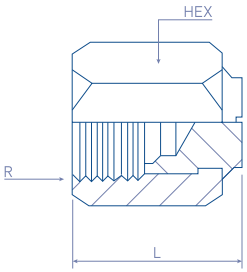
36.141.

ISO 8434-3 / SAE J1453

REFERENCE	tube		thread	dimensions	
	mm	inch	R	L	HEX
36.141.04		1/4"	**9/16" - 18**	10	17
36.141.06		3/8"	**11/16" – 16**	11	19
36.141.08		1/2"	**13/16" – 16**	13	22
36.141.10		5/8"	**1" – 14**	15.5	27
36.141.12		3/4"	**1.3/16" – 12**	17	32
36.141.16		1"	**1.7/16" – 12**	17.5	41
36.141.20		1.1/4"	**1.11/16" – 12**	17.5	46
36.141.24		1.1/2"	**2" – 12**	17.5	55

MATERIAL: Carbon Steel **FINISH:** Zinc-plated **VERSIONS:** BALFIT® STAINLESS STEEL PLUGS (add an 'S' at the end of the part number; ex: 36.141.06S)

Balfit® Cap



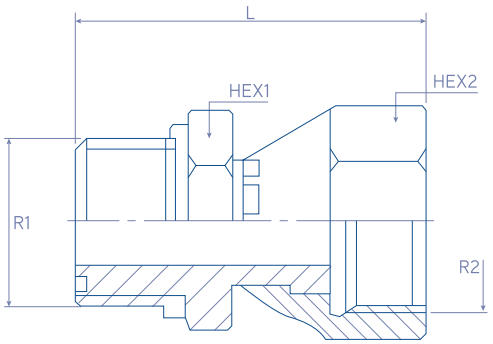
36.142.

ISO 8434-3 / SAE J1453

REFERENCE	thread	dimensions	
	R	L	HEX
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

MATERIAL: Carbon Steel **FINISH:** Zinc-plated **VERSIONS:** BALFIT® STAINLESS STEEL CAP (add an 'S' at the end of the part number; ex: 36.142.08S)

Balfit® Swivel Connector ORFS Male x ORFS Female



36.180.

ISO 8434-3 / SAE J1453

	thread		dimensions		
REFERENCE	R1	R2	L	HEX1	HEX2
36.180.0404	**9/16" - 18**	**9/16" - 18**	33	17	19
36.180.0406	**9/16" - 18**	**11/16" – 16**	36	17	19
36.180.0604	**11/16" – 16**	**9/16" - 18**	34	19	19
36.180.0606	**11/16" – 16**	**11/16" – 16**	38	19	19
36.180.0608	**11/16" – 16**	**13/16" – 16**	41	22	22
36.180.0808	**13/16" – 16**	**13/16" – 16**	42	22	22
36.180.1008	**1" – 14**	**13/16" – 16**	46	27	22
36.180.1010	**1" – 14**	**1" – 14**	48	27	22
36.180.1208	**1.3/16" – 12**	**13/16" – 16**	50	27	22
36.180.1212	**1.3/16" – 12**	**1.3/16" – 12**	54	32	36
36.180.1616	**1.7/16" – 12**	**1.7/16" – 12**	57	41	41
36.180.2020	**1.11/16" – 12**	**1.11/16" – 12**	61	46	46
36.180.2424	**2" – 12**	**2" – 12**	66	50	50

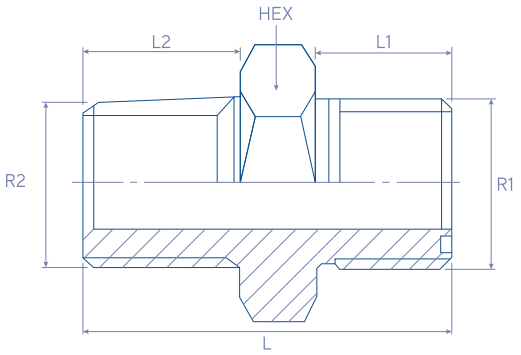
MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL SWIVEL CONNECTOR ORFS MALE x JIC FEMALE (add an 'S' at the end of the part number; ex: 36.180.0808S)

Balflex®

Balfit® Male Connector (ORFS x NPT)



36.200.

ISO 8434-3 / SAE J1453 / SAE J476 / ANSI B1.20.3

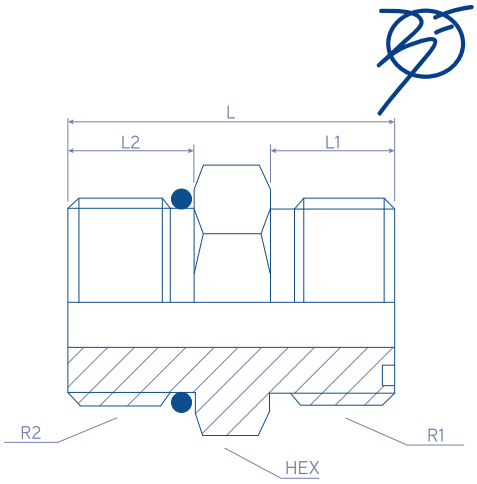
	thread		dimensions			
REFERENCE	R1	R2	L	L1	L2	HEX
36.200.0402	**9/16" – 18**	**1/8" – 27**	27	10	9.7	17
36.200.0404	**9/16" – 18**	**1/4" – 18**	32	10	14.2	17
36.200.0406	**9/16" – 18**	**3/8" – 18**	33.5	10	14.2	19
36.200.0604	**11/16" – 16**	**1/4" – 18**	33	11	14.2	19
36.200.0606	**11/16" – 16**	**3/8" – 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

MATERIAL: Carbon Steel

FINISH: Carbon Steel

VERSIONS: BALFIT® STAINLESS STEEL MALE CONNECTOR (add an 'S' at the end of the part number; ex: 36.200.0806S)

Balfit® ORFS x SAE-ORB Straight Male Connector



36.220.

ISO 8434-3 / SAE J1453 / ISO 11926-2 / SAE J1926-2

	tube		thread		dimensions			
REFERENCE	mm	inch	R1	R2	L	L1	L2	HEX
36.220.0404	6	1/4"	**9/16" – 18**	**7/16" – 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

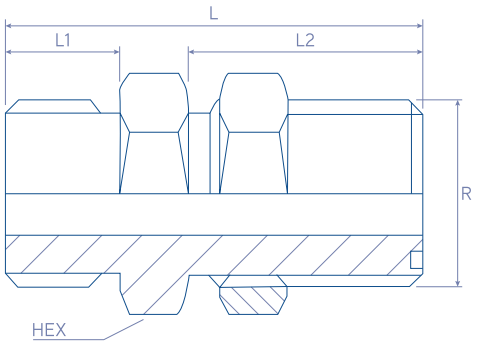
MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL STRAIGHT MALE CONNECTOR ORFS X SAE-ORB (add an 'S' at the end of the part number; ex: 36.220.0808S)

Balflex®

Balfit® Straight Bulkhead Union ORFS Male



36.250.

ISO 8434-3 / SAE J1453

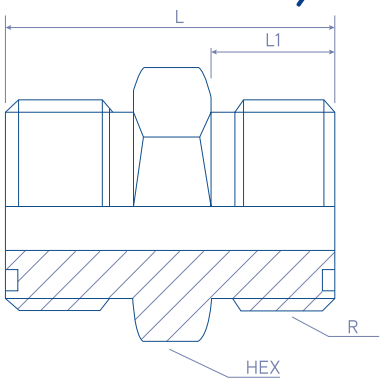
REFERENCE	tube		thread	dimensions			
	mm	inch	R	L	L1	L2	HEX
36.250.0404	6	1/4"	**9/16" - 18**	48	10	31.5	22
36.250.0606	10	3/8"	**11/16" – 16**	53	11	34	27
36.250.0808	12	1/2"	**13/16" – 16**	58.5	13	36.5	30
36.250.1010	16	5/8"	**1" – 14**	66.5	15.5	40.5	36
36.250.1212	20	3/4"	**1.3/16" – 12**	69	17	41.5	41
36.250.1616	25	1"	**1.7/16" – 12**	70	17.5	42	46
36.250.2020	32	1.1/4"	**1.11/16" – 12**	70	17.5	42	50
36.250.2424	38	1.1/2"	**2" – 12**	70	17.5	42	60

MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL STRAIGHT BULKHEAD UNION ORFS MALE (add an 'S' at the end of the part number; ex: 36.250.0808S)

Balfit® Straight ORFS Male Union



36.260.

ISO 8434-3 / SAE J1453

	tube		thread	dimensions		
REFERENCE	mm	inch	R	L	L1	HEX
36.260.0404	6	1/4"	**9/16" - 18**	27.5	10	17
36.260.0606	10	3/8"	**11/16" – 16**	31	11	19
36.260.0808	12	1/2"	**13/16" – 16**	35.5	13	22
36.260.1010	16	5/8"	**1" – 14**	42.5	15.5	27
36.260.1212	20	3/4"	**1.3/16" – 12**	47	17	32
36.260.1616	25	1"	**1.7/16" – 12**	49.5	17.5	41
36.260.2020	32	1.1/4"	**1.11/16" – 12**	51.5	17.5	46
36.260.2424	38	1.1/2"	**2" – 12**	53	17.5	55

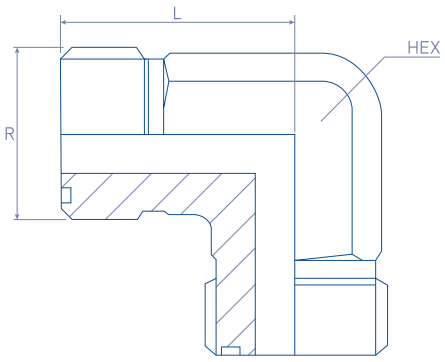
MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL STRAIGHT ORFS MALE UNION
(add an 'S' at the end of the part number;
ex: 36.260.0808S)

Balflex®

Balfit® 90° Elbow ORFS Male Union



36.500.

ISO 8434-3 / SAE J1453

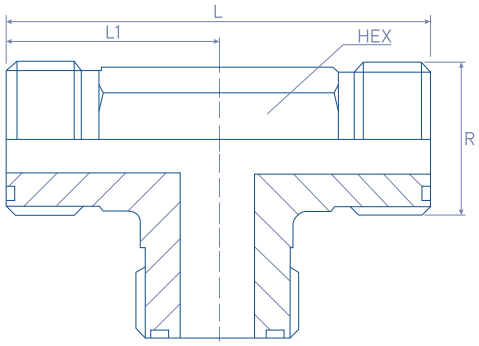
REFERENCE	tube		thread	dimensions	
	mm	inch	R	L	HEX
36.500.0404	6	1/4"	**9/16" - 18**	21.5	14
36.500.0606	10	3/8"	**11/16" – 16**	25	19
36.500.0808	12	1/2"	**13/16" – 16**	28	19
36.500.1010	15	5/8"	**1" – 14**	33.5	27
36.500.1212	20	3/4"	**1.3/16" – 12**	37.5	30
36.500.1616	25	1"	**1.7/16" – 12**	41.5	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

MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL 90° ELBOW UNION (add an 'S' at the end of the part number; ex: 36.500.04S)

Balfit® Union Tee ORFS Male



36.505.

ISO 8434-3 / SAE J1453

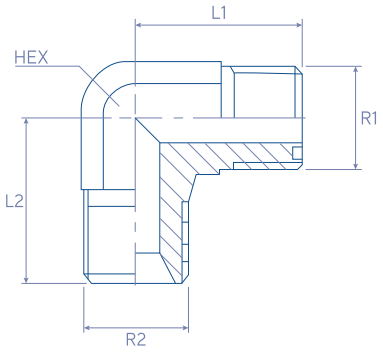
	tube		thread	dimensions		
REFERENCE	mm	inch	R	L	L1	HEX
36.505.040404	6	1/4"	**9/16" - 18**	43	21.5	14
36.505.060606	10	3/8"	**11/16" – 16**	50	25	17
36.505.080808	12	1/2"	**13/16" – 16**	56	28	19
36.505.101010	15	5/8"	**1" – 14**	67	33.5	27
36.505.121212	20	3/4"	**1.3/16" – 12**	75	37.5	30
36.505.161616	25	1"	**1.7/16" – 12**	83	41.5	36
36.505.202020	32	1.1/4"	**1.11/16" – 12**	89	44.5	41
36.505.242424	38	1.1/2"	**2" – 12**	98	49	48

MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL UNION TEE (add an 'S' at the end of the part number; ex: 36.505.040404S)

Balfit® 90° Elbow Male Connector (ORFS x NPT)



36.525.

ISO 8434-3 / SAE J1453 / SAE J476 / ANSI B1.20.3

	tube		thread		dimensions		
REFERENCE	mm	inch	R1	R2	L1	L2	HEX
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

MATERIAL: Carbon Steel

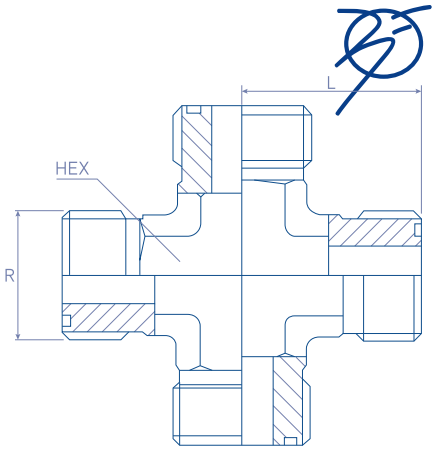
FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL 90° ELBOW MALE CONNECTOR (ORFS x NPT) (add an 'S' at the end of the part number; ex: 36.525.0808S)

Balfit® ORFS Union Cross

36.595.

ISO 8434-3 / SAE J1453



REFERENCE	tube		thread	dimensions	
	mm	inch	R	L	HEX
36.595.04040404	6	1/4"	**9/16" - 18**	21,5	14
36.595.06060606	10	3/8"	**11/16" – 16**	25	19
36.595.08080808	12	1/2"	**13/16" – 16**	28	19
36.595.10101010	16	5/8"	**1" – 14**	33,5	27
36.595.12121212	20	3/4"	**1.3/16" – 12**	37,5	30
36.595.16161616	25	1"	**1.7/16" – 12**	41,5	36
36.595.20202020	32	1.1/4"	**1.11/16" – 12**	44,5	41
36.595.24242424	38	1.1/2"	**2" – 12**	49	48

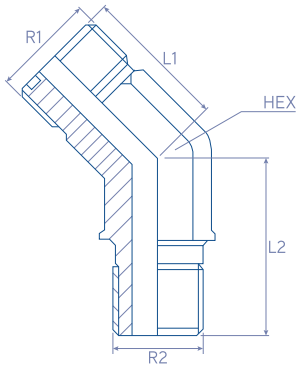
MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL ORFS UNION CROSS (add an 'S' at the end of the part number; ex: 36.595.08080808S)

Balflex®

Balfit® 45° Elbow Male Connector (ORFS x NPT)



36.540.

ISO 8434-3 / SAE J1453 / SAE J476 / ANSI B1.20.3

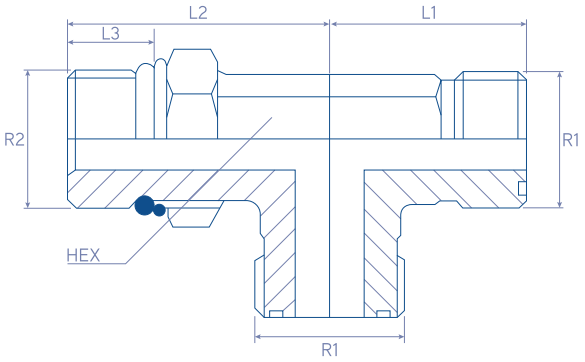
	tube		thread		dimensions		
REFERENCE	mm	inch	R1	R2	L1	L2	HEX
36.540.0402	6	1/4"	**9/16" – 18**	**1/8" – 27**	16	18	14
36.540.0404	6	1/4"	**9/16" – 18**	**1/4" – 18**	16	22	14
36.540.0604	10	3/8"	**11/16" – 16**	**1/4" – 18**	19	24	19
36.540.0606	10	3/8"	**11/16" – 16**	**3/8" – 18**	19	24	19
36.540.0608	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

MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL 45° ELBOW CONNECTOR (add an 'S' at the end of the part number; ex: 36.540.0806S)

Balfit® Orientable SAE-ORB Run Tee



36.580.

ISO 8434-3 / SAE J1453 / ISO 11926-2 / SAE J1926-2

	tube		thread		dimensions				
REFERENCE	mm	inch	R1	R2	L1	L2	L3	HEX1	HEX2
36.580.040404	6	1/4"	**9/16" - 18**	**7/16" – 20**	31.8	21.5	9	14	14
36.580.060606	10	3/8"	**11/16" – 16**	**9/16" – 18**	36	25	10	19	17
36.580.080808	12	1/2"	**13/16" – 16**	**3/4" – 16**	36.8	28	11	19	22
36.580.101010	15	5/8"	**1" – 14**	**7/8" – 14**	48	33.5	13	27	27
36.580.121212	20	3/4"	**1.3/16" – 12**	**1.1/16" – 12**	51	37.5	15	30	32
36.580.161616	25	1"	**1.7/16" – 12**	**1.5/16" – 12**	57	41.5	15	36	38
36.580.202020	32	1.1/4"	**1.11/16 - 12**	**1.5/6" – 12**	62	44.5	15	41	50
36.580.242424	38	1.1/2"	**2" – 12**	**1.7/6" – 12**	65	49	15	48	55

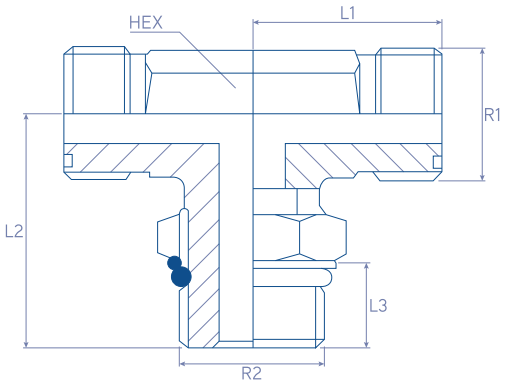
MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL ORIENTABLE SAE-ORB RUN TEE (add an 'S' at the end of the part number; ex: 36.580.080808S)

Balflex®

Balfit® Orientable SAE-ORB Branch Tee



36.585.

ISO 8434-3 / SAE J1453 / ISO 11926-2 / SAE J1926-2

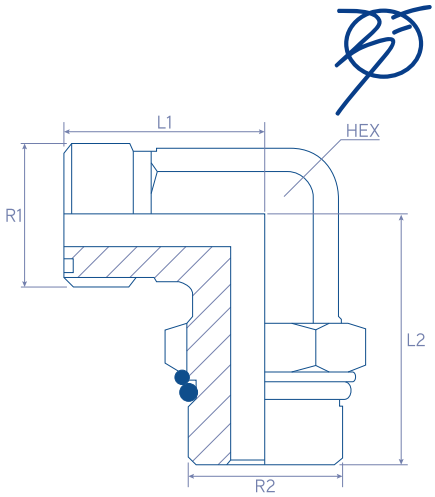
	tube		thread		dimensions				
REFERENCE	mm	inch	R1	R2	L1	L2	L3	HEX1	HEX2
36.585.040404	6	1/4"	**9/16" - 18**	**7/16" – 20**	21.5	31.8	9	14	14
36.585.060606	10	3/8"	**11/16" – 16**	**9/16" – 18**	25	36	10	19	17
36.585.080808	12	1/2"	**13/16" – 16**	**3/4" – 16**	28	36.8	11	19	22
36.585.101010	15	5/8"	**1" – 14**	**7/8" – 14**	33.5	48	13	27	27
36.585.121212	20	3/4"	**1.3/16" – 12**	**1.1/16" – 12**	37.5	51	15	30	32
36.585.161616	25	1"	**1.7/16" – 12**	**1.5/16" – 12**	41.5	57	15	36	38
36.585.202020	32	1.1/4"	**1.11/16" -12**	**1.1/16" – 12**	44.5	62	15	41	50
36.585.242424	38	1.1/2"	**2" – 12**	**1.5/16" – 12**	49	65	15	48	55

MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL ORIENTABLE SAE-ORB BRANCH TEE (add an 'S' at the end of the part number; ex: 36.585.080808S)

Balfit® 90° Elbow ORFS Male x SAE-ORB



36.575.

ISO 8434-3 / SAE J1453 / ISO 11926-2 / SAE J1926-2

	tube		thread		dimensions		
REFERENCE	mm	inch	R1	R2	L1	L2	HEX
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

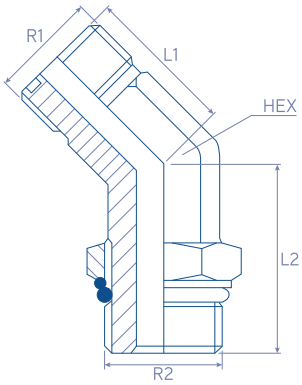
MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL 90° ELBOW ORFS MALE X SAE-ORB
(add an 'S' at the end of the part number;
ex: 36.575.0808S)

Balflex®

Balfit® 45° Elbow ORFS Male x SAE-ORB



36.590.

ISO 8434-3 / SAE J1453 / ISO 11926-2 / SAE J1926-2

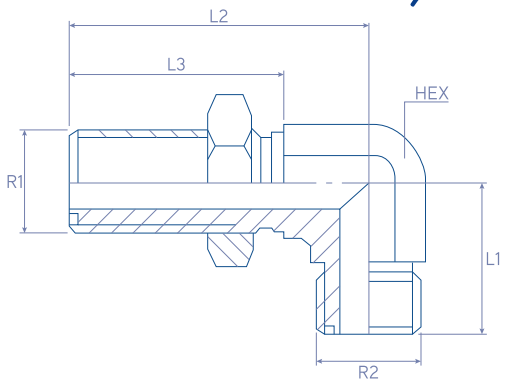
	tube		thread		dimensions		
REFERENCE	mm	inch	R1	R2	L1	L2	HEX
36.590.0404	6	1/4"	**9/16" - 18**	**7/16" – 20**	16	26	14
36.590.0606	10	3/8"	**11/16" – 16**	**9/16" – 18**	19	29	19
36.590.0808	12	1/2"	**13/16" – 16**	**3/4" – 16**	20.5	33	19
36.590.1010	15	5/8"	**1" – 14**	**7/8" – 14**	23.5	40	27
36.590.1212	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

MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL 45° ELBOW ORFS MALE x SAE-ORB
(add an 'S' at the end of the part number;
ex: 36.590.0808S)

Balfit® Bulkhead 90° Elbow Union



36.650.

ISO 8434-3 / SAE J1453

	tube		thread	dimensions			
REFERENCE	mm	inch	R1	L1	L2	L3	HEX
36.650.0404	6	1/4"	**9/16" - 18**	22.5	47	31.5	14
36.650.0606	10	3/8"	**11/16" – 16**	26	52	34	19
36.650.0808	12	1/2"	**13/16" – 16**	29	55.5	36.5	19
36.650.1010	15	5/8"	**1" – 14**	34.5	63	40.5	27
36.650.1212	20	3/4"	**1.3/16" – 12**	38.5	67	41.5	30
36.650.1616	25	1"	**1.7/16" – 12**	42.5	71	42	36
36.650.2020	32	1.1/4"	**1.11/16" – 12**	45.5	75.5	42	41
36.650.2424	38	1.1/2"	**2" – 12**	49.5	79.5	42	48

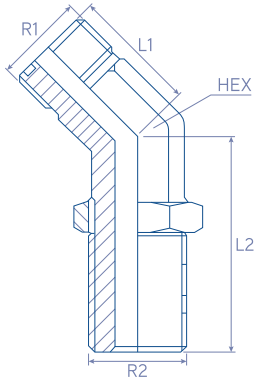
MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL BULKHEAD 90° ELBOW UNION
(add an 'S' at the end of the part number;
ex: 36.650.0808S)

Balflex®

Balfit® Bulkhead 45° Elbow Union



36.510.

ISO 8434-3 / SAE J1453

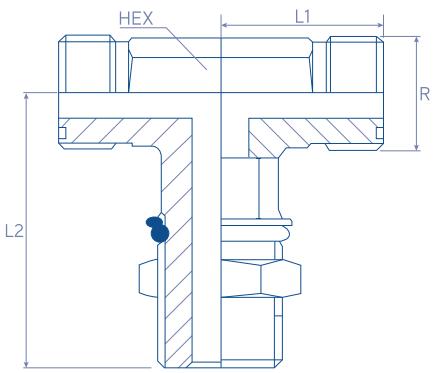
	tube		thread	dimensions		
REFERENCE	mm	inch	R1	L1	L2	HEX
36.510.0404	6	1/4"	**9/16" - 18**	16	44	14
36.510.0606	10	3/8"	**11/16" – 16**	19	48,5	19
36.510.0808	12	1/2"	**13/16" – 16**	20,5	51	19
36.510.1010	15	5/8"	**1" – 14**	23,5	56,5	27
36.510.1212	20	3/4"	**1.3/16" – 12**	26	60,5	30
36.510.1616	25	1"	**1.7/16" – 12**	30	65	36
36.510.2020	32	1.1/4"	**1.11/16" – 12**	32	67	41
36.510.2424	38	1.1/2"	**2" – 12**	37	67	48

MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL BULKHEAD 45° ELBOW UNION
(add an 'S' at the end of the part number;
ex: 36.510.0808S)

Balfit® Bulkhead Branch Tee



36.515.

ISO 8434-3 / SAE J1453 / ISO 11926-2 / SAE J1926-2

	tube		thread	dimensions		
REFERENCE	mm	inch	R	L1	L2	HEX
36.515.040404	6	1/4"	**9/16" - 18**	22.5	47	14
36.515.060606	10	3/8"	**11/16" – 16**	26	52	19
36.515.080808	12	1/2"	**13/16" – 16**	29	55.5	19
36.515.101010	15	5/8"	**1" – 14**	34.5	63	27
36.515.121212	20	3/4"	**1.3/16" – 12**	38.5	67	30
36.515.161616	25	1"	**1.7/16" – 12**	42.5	71	36
36.515.202020	32	1.1/4"	**1.11/16" – 12**	45.5	75.5	41
36.515.242424	38	1.1/2"	**2" – 12**	49.5	79.5	48

MATERIAL: Carbon Steel

FINISH: Zinc-plated

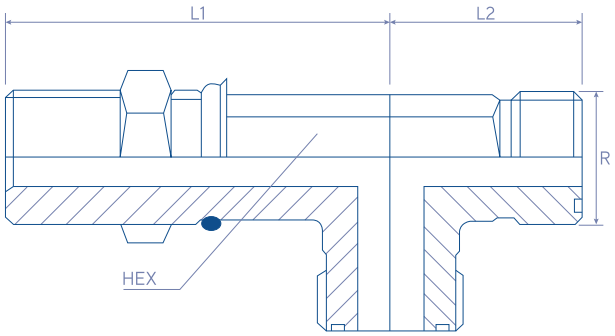
VERSIONS: BALFIT® STAINLESS STEEL BULKHEAD BRANCH TEE
(add an 'S' at the end of the part number;
ex: 36.515.080808S)

Balflex®

Balfit® Bulkhead Run Tee

36.520.

ISO 8434-3 / SAE J1453 / ISO 11926-2 / SAE J1926-2



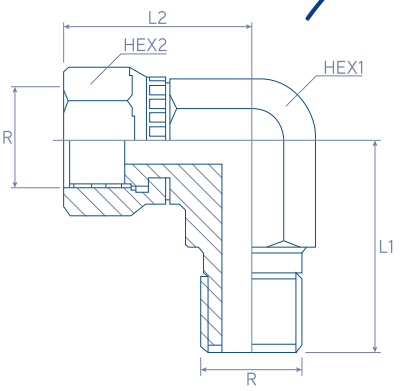
REFERENCE	tube		thread	dimensions		
	mm	inch	R	L1	L2	HEX
36.520.040404	6	1/4"	**9/16" - 18**	47	22.5	14
36.520.060606	10	3/8"	**11/16" – 16**	52	26	19
36.520.080808	12	1/2"	**13/16" – 16**	55.5	29	19
36.520.101010	15	5/8"	**1" – 14**	63	34.5	27
36.520.121212	20	3/4"	**1.3/16" – 12**	67	38.5	30
36.520.161616	25	1"	**1.7/16" – 12**	71	42.5	36
36.520.202020	32	1.1/4"	**1.11/16" – 12**	75.5	45.5	41
36.520.242424	38	1.1/2"	**2" – 12**	79.5	49.5	48

MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL BULKHEAD RUN TEE (add an 'S' at the end of the part number; ex:36.520.080808S)

Balfit® 90º Swivel Connector ORFS M. x ORFS F.



36.675.

ISO 8434-3 / SAE J1453

	thread		dimensions			
REFERENCE	R1	R2	L1	L2	HEX1	HEX2
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

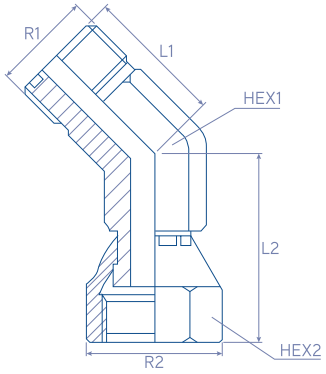
MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL SWIVEL CONNECTOR ORFS MALE x ORFS FEMALE (add an 'S' at the end of the part number; ex: 36.675.0808S)

Balflex®

Balfit® 45º Swivel Connector ORFS M. x ORFS F.



36.690.

ISO 8434-3 / SAE J1453

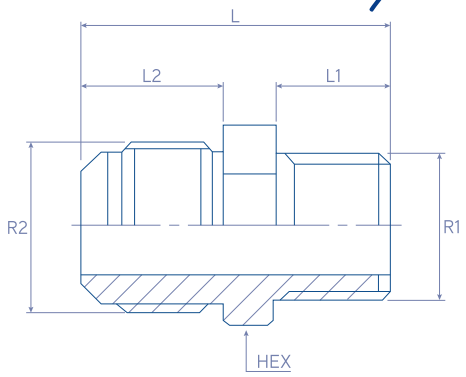
	thread		dimensions			
REFERENCE	R1	R2	L1	L2	HEX1	HEX2
36.690.0404	**9/16" - 18**	**9/16" - 18**	16	24.5	14	19
36.690.0606	**11/16" – 16**	**11/16" – 16**	19	26	19	22
36.690.0808	**13/16" – 16**	**13/16" – 16**	20.5	29	19	24
36.690.1010	**1" – 14**	**1" – 14**	23.5	33	27	30
36.690.1212	**1.3/16" – 12**	**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

MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL SWIVEL CONNECTOR ORFS MALE x ORFS FEMALE (add an 'S' at the end of the part number; ex: 36.690.0808S)

Balfit® ORFS Male x JIC Male Connector



36.280.

ISO 8434-3 / SAE J1453 / ISO 8434-2

	thread		dimensions			
REFERENCE	R1	R2	L	L1	L2	HEX
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

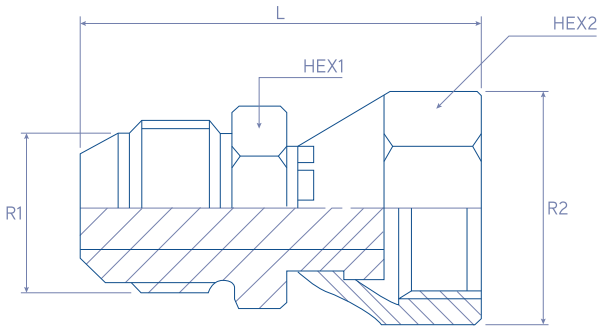
MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL SWIVEL CONNECTOR ORFS MALE x JIC MALE (add an 'S' at the end of the part number; ex: 36.280.0808S)

Balflex®

Balfit® Swivel Connector ORFS Female x JIC Male



36.281.

ISO 8434-3 / SAE J1453 / ISO 8434-2

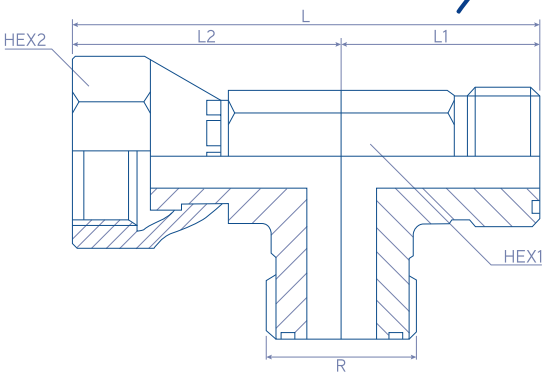
	thread		dimensions		
REFERENCE	R1	R2	L	HEX1	HEX2
36.281.0404	**7/16" - 20**	**9/16" - 18**	36	14	18
36.281.0606	**9/16" - 18**	**11/16" – 16**	38	19	22
36.281.0808	**3/4" - 16**	**13/16" – 16**	46.2	22	26
36.281.1010	**7/8" - 14**	**1" – 14**	52	26	30
36.281.1212	**1.1/16" - 12**	**1.3/16" – 12**	57.4	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

MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL STEEL SWIVEL CONNECTOR ORFS MALE x JIC FEMALE (add an 'S' at the end of the part number; ex: 36.281.0808S)

Balfit® Swivel Connector Run Tee



36.680.

ISO 8434-3 / SAE J1453

REFERENCE	tube		thread	dimensions				
	mm	inch	R	L	L1	L2	HEX1	HEX2
36.680.040404	6	1/4"	**9/16" - 18**	48	26.5	21.5	14	19
36.680.060606	10	3/8"	**11/16" – 16**	54	29	25	19	22
36.680.080808	12	1/2"	**13/16" – 16**	66	38	28	19	24
36.680.101010	15	5/8"	**1" – 14**	74.5	41	33.5	27	30
36.680.121212	20	3/4"	**1.3/16" – 12**	84	46.5	37.5	30	36
36.680.161616	25	1"	**1.7/16" – 12**	95	53.5	41.5	36	41
36.680.202020	32	1.1/4"	**1.11/16" – 12**	102.5	58	44.5	41	50
36.680.242424	38	1.1/2"	**2" – 12**	110	61	49	48	60

MATERIAL: Carbon Steel

FINISH: Zinc-plated

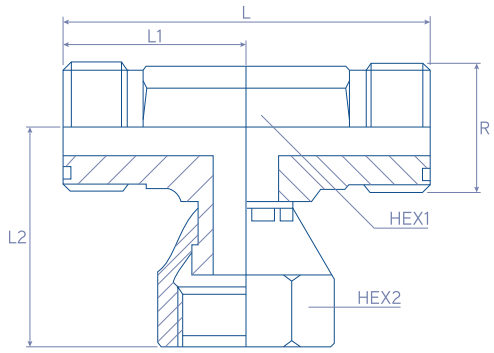
VERSIONS: BALFIT® STAINLESS STEEL SWIVEL ORFS RUN TEE
(add an 'S' at the end of the part number;
ex: 36.680.080808S)

Balflex®

Balfit® Swivel Connector Branch Tee

36.685.

ISO 8434-3 / SAE J1453



	tube		thread	dimensions				
REFERENCE	mm	inch	R	L	L1	L2	HEX1	HEX2
36.685.040404	6	1/4"	**9/16" - 18**	43	21,5	26,5	14	19
36.685.060606	10	3/8"	**11/16" – 16**	50	25	29	19	22
36.685.080808	12	1/2"	**13/16" – 16**	56	28	38	19	24
36.685.101010	15	5/8"	**1" – 14**	67	33,5	41	27	30
36.685.121212	20	3/4"	**1.3/16" – 12**	75	37,5	46,5	30	36
36.685.161616	25	1"	**1.7/16" – 12**	83	41,5	53,5	36	41
36.685.202020	32	1.1/4"	**1.11/16" – 12**	89	44,5	58	41	50
36.685.242424	38	1.1/2"	**2" – 12**	98	49	61	48	60

MATERIAL: Carbon Steel

FINISH: Zinc-plated

VERSIONS: BALFIT® STAINLESS STEEL SWIVEL ORFS BRANCH TEE
(add an 'S' at the end of the part number;
ex: 36.685.080808S)

Adapters Series 52/53





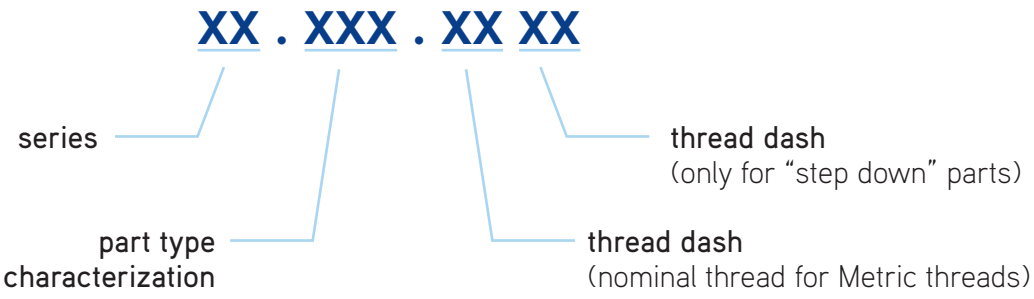
Balfit® Hydraulic Adapters (Series 52 and 53)

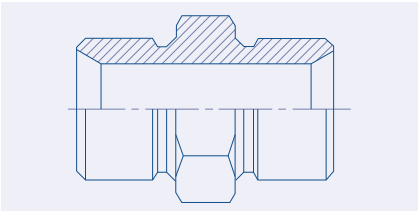
The range of Balfit® hydraulic adapters is produced according to Balflex® specifications and to the ISO 8434-6 standard. It covers a very wide variety of applications typical of hydraulic pipe pressure lines.

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:

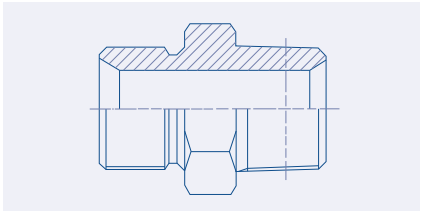
- BSP parallel thread
- BSP taper thread
- NPT thread
- BSPT taper thread

The Balfit® hydraulic adapters part code is composed of three groups of digits:

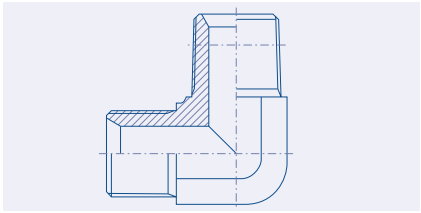




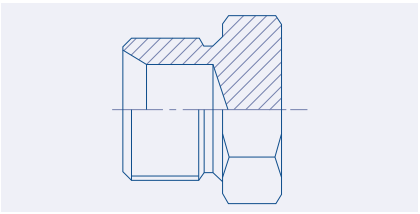
BSP Male Union
52.100.
pag. 163



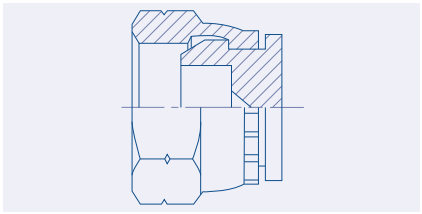
Male BSP x Male NPT Connector
52.101.
pag. 164



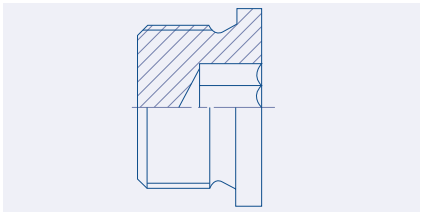
90° Male BSP x Male NPT Connector
53.102.
pag. 164



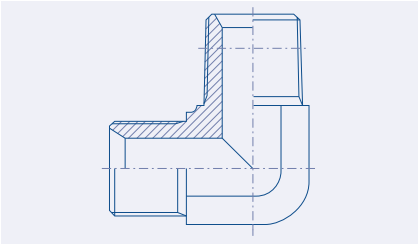
BSP Male Plug
52.400.
pag. 165



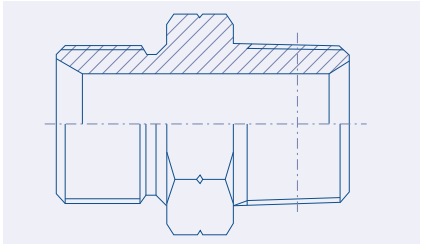
BSP Swivel Female Plug
52.401.
pag. 166



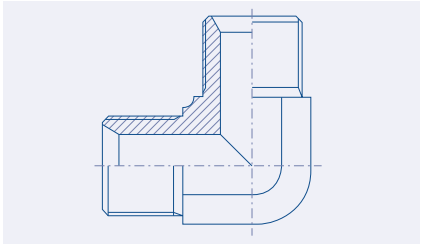
BSP Inner Hexagon Male Plug
52.402.
pag. 167



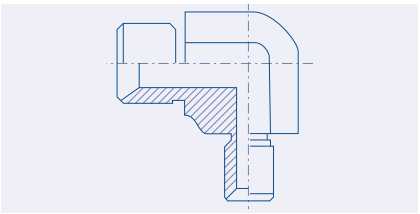
Male BSPT Union
52.103.
pag. 167



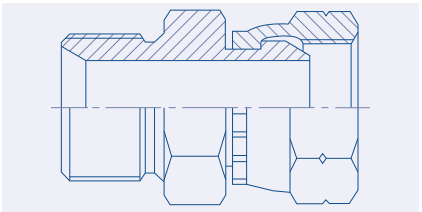
Male BSP x Male BSPT Connector
52.1200.
pag. 168



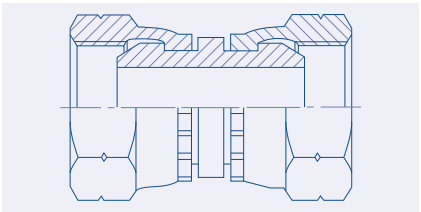
Male 90° BSP Union
53.100.
pag. 169



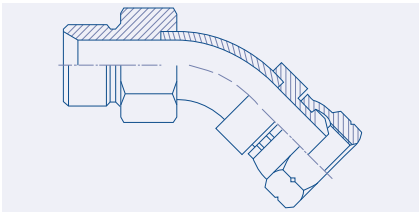
Male 90° BSP Union Reduction
53.101.
pag. 170



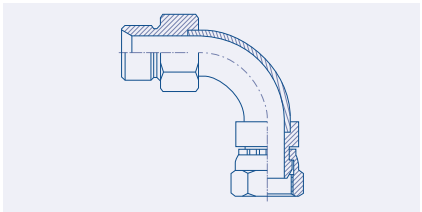
Male x Swivel Female BSP Adapter
52.500.
pag. 171



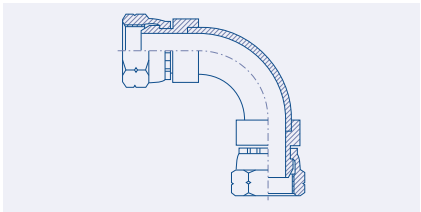
Swivel Female x Female BSP Adapter
52.502.
pag. 172



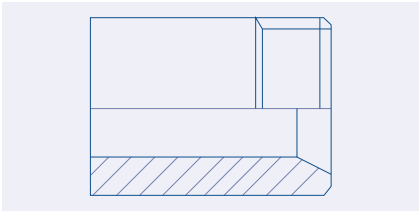
45° Elbow Male x Swivel Female BSP
52.545.
pag. 173



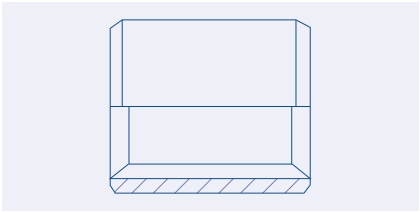
90° Elbow Male x Swivel Female BSP
52.590.
pag. 174



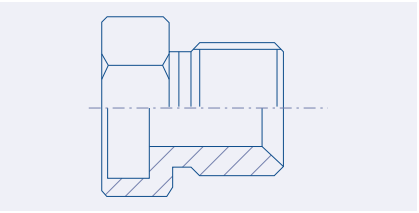
90° Elbow Swivel Female BSP
52.592.
pag. 174



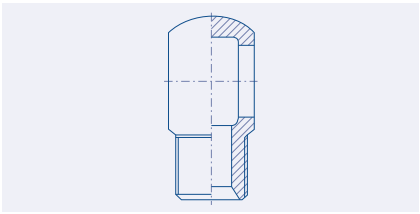
BSP Male Welding Bosses
52.806.
pag. 175



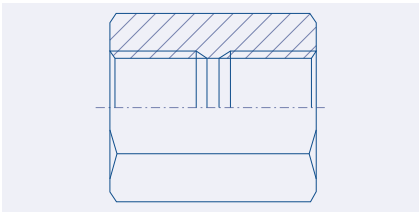
BSP Female Welding Bosses
52.807.
pag. 175



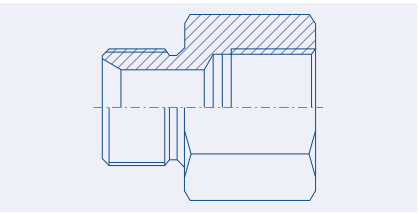
BSP Hexagon Male Welding Bosses
52.808.
pag. 176



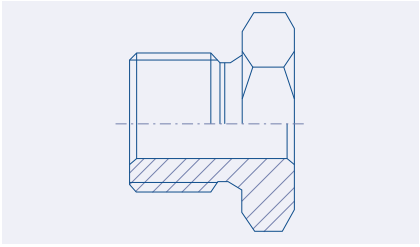
BSP Threaded Banjo Eye
52.800.
pag. 176



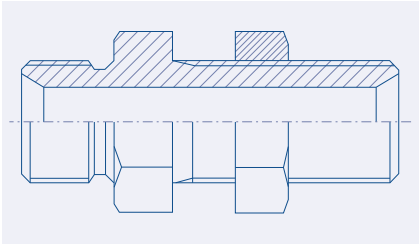
BSPP Female Union
52.3000.
pag. 177



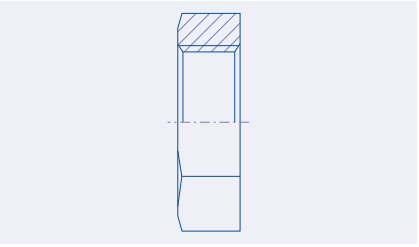
BSPP Male x BSP Fixed Female Adapter
52.5000.
pag. 178



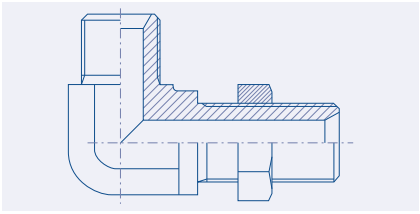
BSPP Male x BSP Fixed Female Adapter
52.5001.
pag. 180



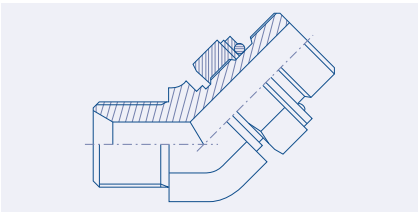
BSP Bulkhead Connector
52.5003.
pag. 181



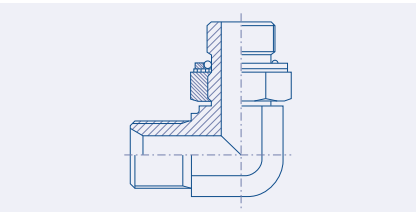
BSP Locknut
52.5004.
pag. 181



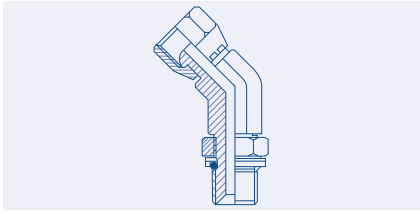
90° Elbow BSP Bulkhead Connector
52.5005.
pag. 182



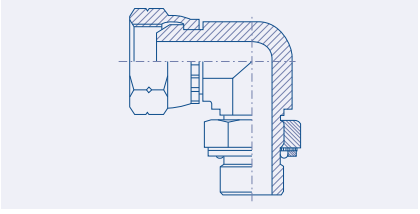
45° Elbow Adjustable BSPP Male
52.7008.
pag. 182



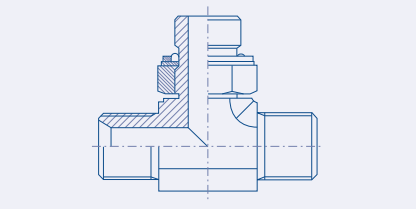
90° Elbow Adjustable BSPP Male
52.7009.
pag. 183



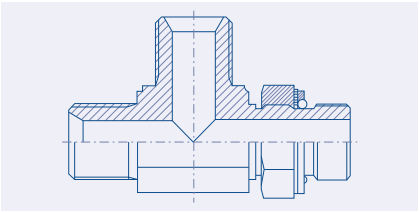
45° Elbow Adjustable BSPP Male x Female
52.7011.
pag. 183



90° Elbow Adjustable BSPP Male x Female
52.7010.
pag. 184

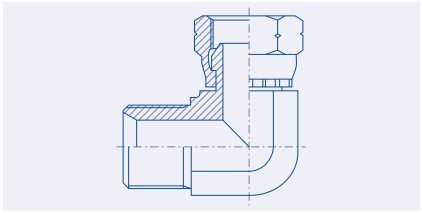


BSPP Male Adjustable Branch Tee
52.7012.
pag. 184



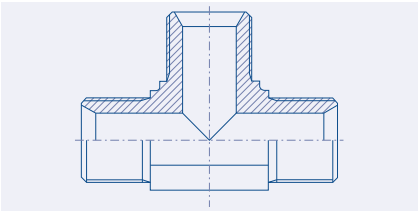
BSPP Male Adjustable Run Tee

52.7013. pag. 185



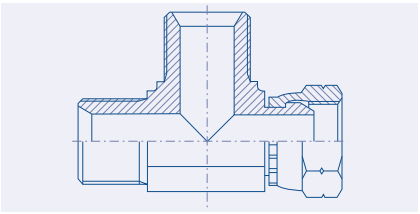
90° Elbow BSPP Male x Female

53.110. pag. 185



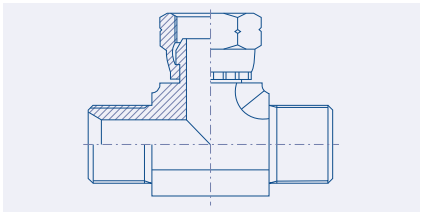
Union BSPP Male Tee

53.300. pag. 186



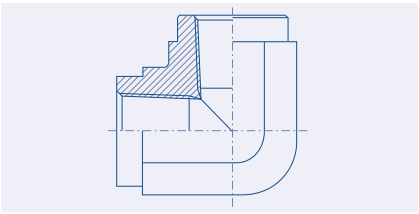
Swivel BSP Run Tee

53.4011. pag. 186



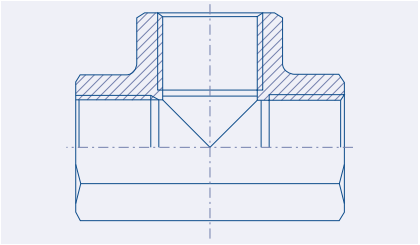
Swivel BSP Branch Tee

53.4012. pag. 187



90° BSPP Elbow Fixed Female Union

53.120. pag. 187

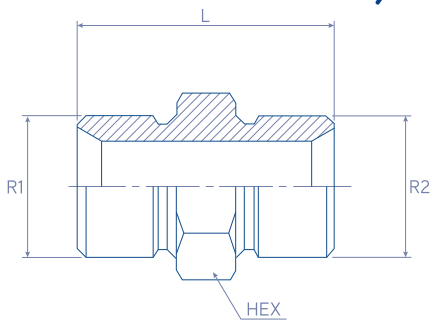


Fixed Female BSPP Tee

53.302. pag. 188

Balfit® BSP Male Union

52.100.
ISO 8434-6



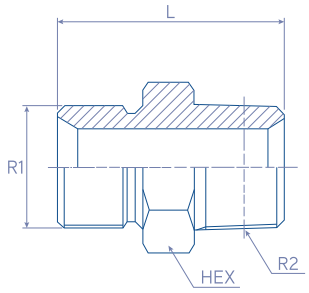
REFERENCE	thread		dimensions	
	R1	R2	L	HEX
52.100.02	**1/8" – 28**	**1/8" – 28**	24	14
52.100.0402	**1/4" – 19**	**1/8" – 28**	30	19
52.100.04	**1/4" – 19**	**1/4" – 19**	34	19
52.100.0602	**3/8" – 19**	**1/8" – 28**	30	22
52.100.0604	**3/8" – 19**	**1/4" – 19**	35	22
52.100.06	**3/8" – 19**	**3/8" – 19**	35	22
52.100.0804	**1/2" – 14**	**1/4" – 19**	38	27
52.100.0806	**1/2" – 14**	**3/8" – 19**	39	27
52.100.08	**1/2" – 14**	**1/2" – 14**	41	27
52.100.1008	**5/8" – 14**	**1/2" – 14**	43	30
52.100.10	**5/8" – 14**	**5/8" – 14**	45	30
52.100.1204	**3/4" – 14**	**1/4" – 19**	42	32
52.100.1206	**3/4" – 14**	**3/8" – 19**	43	32
52.100.1208	**3/4" – 14**	**1/2" – 14**	45	32
52.100.1210	**3/4" – 14**	**5/8" – 14**	47	32
52.100.12	**3/4" – 14**	**3/4" – 14**	47	32
52.100.1608	**1" – 11**	**1/2" – 14**	50	41
52.100.1612	**1" – 11**	**3/4" – 14**	52	41
52.100.16	**1" – 11**	**1" – 11**	56	41
52.100.2008	**1-1/4" – 11**	**1/2" – 14**	52	50
52.100.2012	**1-1/4" – 11**	**3/4" – 14**	54	50
52.100.2016	**1-1/4" – 11**	**1" – 11**	58	50
52.100.20	**1-1/4" – 11**	**1-1/4" – 11**	58	50
52.100.2412	**1-1/2" – 11**	**3/4" – 14**	59	55
52.100.2416	**1-1/2" – 11**	**1" – 11**	63	55
52.100.2420	**1-1/2" – 11**	**1-1/4" – 11**	63	55
52.100.24	**1-1/2" – 11**	**1-1/2" – 11**	66	55
52.100.3216	**2" – 11**	**1" – 11**	69	70
52.100.3220	**2" – 11**	**1-1/4" – 11**	69	70
52.100.3224	**2" – 11**	**1-1/2" – 11**	72	70
52.100.32	**2" – 11**	**2" – 11**	74	70

MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL MALE UNION (add an 'S' at the end of the part number; ex: 52.100.24 S)

Balfit® Male BSP x Male NPT Connector



52.101.

ISO 8434-6 and ANSI B1.20.3

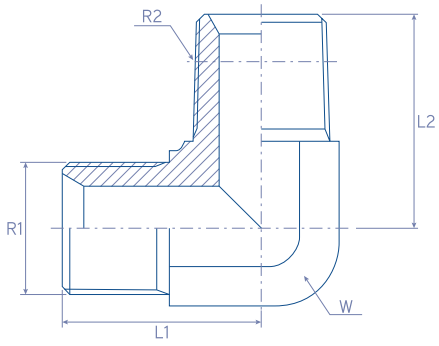
REFERENCE	thread		dimensions	
	R1	R2	L	HEX
52.101.02	**1/8" – 28**	**1/6" – 27**	24.7	14
52.101.04	**1/4" – 19**	**1/4" – 18**	32	18
52.101.06	**3/8" – 19**	**3/8" – 18**	35.2	22
52.101.08	**1/2" – 14**	**1/2" – 14**	41.8	27
52.101.12	**3/4" – 14**	**3/4" – 14**	46	32
52.101.16	**1" – 11**	**1" – 11.1/2"**	55	40
52.101.20	**1-1/4" – 11**	**1-1/4" – 11.1/2"**	56.6	50
52.101.24	**1-1/2" – 11**	**1-1/2" – 11.1/2"**	59.4	55
52.101.32	**2" – 11**	**2" – 11.1/2"**	66.8	70

MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® 90° Male BSP x Male NPT Connector



53.102.

ISO 8434-6 and ANSI B1.20.3

REFERENCE	thread		dimensions		
	R1	R2	L1	L2	W
53.102.0202	**1/8" – 28**	**1/8" – 27**	19.3	19.5	11
53.102.0404	**1/4" – 19**	**1/4" – 18**	25	27	14
53.102.0606	**3/8" – 19**	**3/8" – 18**	30	30	19
53.102.0808	**1/2" – 14**	**1/2" – 14**	34.5	37.3	22
53.102.1212	**3/4" – 14**	**3/4" – 14**	39	40.4	27
53.102.1616	**1" – 11**	**1" – 11.1/2"**	45	47.3	33
53.102.2020	**1-1/4" – 11**	**1-1/4" – 11.1/2"**	50	55	41
53.102.2424	**1-1/2" – 11**	**1-1/2" – 11.1/2"**	55	57.4	48
53.102.3232	**2" – 11**	**2" – 11.1/2"**	62	62	58

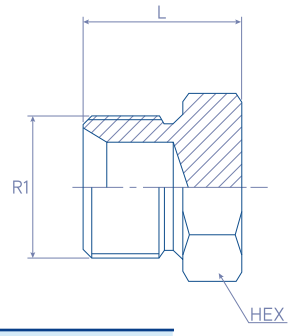
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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: 53.102.1212 S)

Balfit® BSP Male Plug

52.400.
ISO 8434-6



REFERENCE	thread R	dimensions L	HEX
52.400.02	**1/8" – 28**	15	14
52.400.04	**1/4" – 19**	17	19
52.400.06	**3/8" – 19**	20	22
52.400.08	**1/2" – 14**	23	27
52.400.10	**5/8" – 14**	25	28
52.400.12	**3/4" – 14**	26	32
52.400.16	**1" – 11**	30	41
52.400.20	**1-1/4" – 11**	31	50
52.400.24	**1-1/2" – 11**	34	55
52.400.32	**2" – 11**	38	70

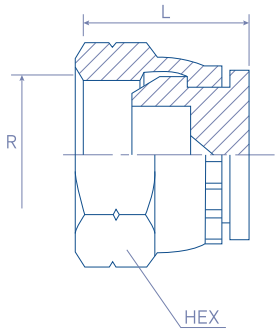
MATERIAL: Carbon Steel, zinc plated

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL BSP MALE PLUG (add an 'S' at the end of the part number; ex: 52.400.16 S)

Balflex®

Balfit® BSP Swivel Female Plug



52.401.

ISO 8434-6

REFERENCE	thread	dimensions	
	R	L	HEX
52.401.02	**1/8" – 28**	16	14
52.401.04	**1/4" – 19**	18	18
52.401.06	**3/8" – 19**	19,5	22
52.401.08	**1/2" – 14**	23,5	27
52.401.10	**5/8" – 14**	24,5	27
52.401.12	**3/4" – 14**	26	32
52.401.16	**1" – 11**	28	38
52.401.20	**1-1/4" – 11**	30	50
52.401.24	**1-1/2" – 11**	31	60
52.401.32	**2" – 11**	34	70

MATERIAL: Carbon Steel

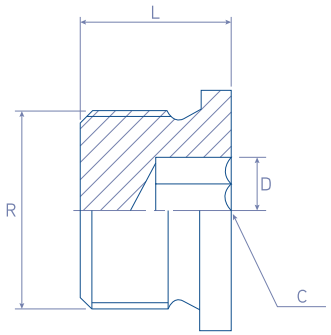
FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL BSP SWIVEL FEMALE PLUG (add an 'S' at the end of the part number; ex: 52.401.16 S)

Balfit® BSP Inner Hexagon Male Plug

52.402.

ISO 8434-6



REFERENCE	thread R	L	C	D
52.402.02	**1/8" – 28**	12	14	5.1
52.402.04	**1/4" – 19**	17	19	6.1
52.402.06	**3/8" – 19**	17	22	8.1
52.402.08	**1/2" – 14**	19	27	10.1
52.402.12	**3/4" – 14**	21	32	12.1
52.402.16	**1" – 11**	22.5	40	17.1
52.402.20	**1-1/4" – 11**	22.5	50	22.1
52.402.24	**1-1/2" – 11**	22.5	55	24.1
52.402.32	**2" – 11**	25	68	32.1

MATERIAL: Carbon Steel

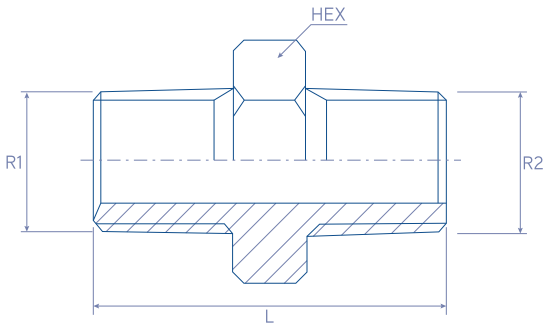
FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL BSP INNER HEXAGON MALE PLUG (add an 'S' at the end of the part number; ex: 52.402.16 S)

Balfit® Male BSPT Union

52.103.

ISO 8434-6



REFERENCE	thread R1	thread R2	dimensions L	dimensions HEX
52.103.02	**1/8" – 28**	**1/8" – 28**	27	11
52.103.04	**1/4" – 19**	**1/4" – 19**	37,1	14
52.103.06	**3/8" – 19**	**3/8" – 19**	38,9	17
52.103.08	**1/2" – 14**	**1/2" – 14**	48	22
52.103.12	**3/4" – 14**	**3/4" – 14**	50,1	27
52.103.16	**1" – 11**	**1" – 11**	61,8	36

MATERIAL: Carbon Steel

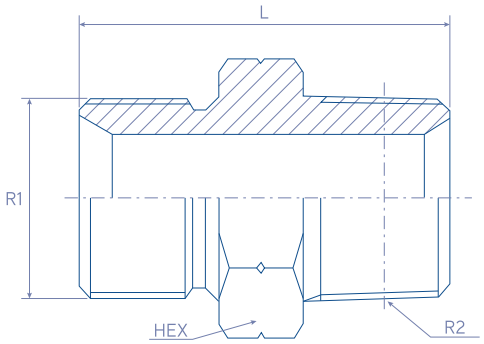
FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL MALE BSPT UNION (add an 'S' at the end of the part number; ex: 52.103.24 S)

Balflex®

Balfit® Male BSP x Male BSPT Connector

52.1200.
ISO 8434-6



REFERENCE	thread		dimensions	
	R1	R2	L	HEX
52.1200.04	**1/4" – 19**	**1/4" – 19**	32	18
52.1200.06	**3/8" – 19**	**3/8" – 19**	35,2	22
52.1200.08	**1/2" – 14**	**1/2" – 14**	41,8	27
52.1200.12	**3/4" – 14**	**3/4" – 14**	46	32
52.1200.16	**1" – 11**	**1" – 11**	55	40
52.1200.20	**1-1/4" – 11**	**1-1/4" – 11**	56,6	50
52.1200.24	**1-1/2" – 11**	**1-1/2" – 11**	59,4	55
52.1200.32	**2" – 11**	**2" – 11**	66,8	70

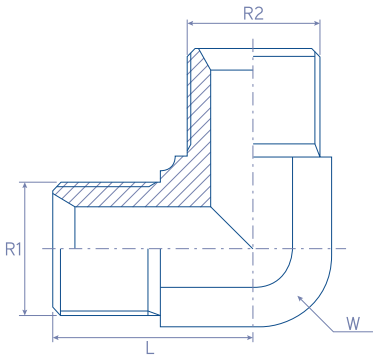
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL MALE BSP X MALE BSPT CONNECTOR (add an 'S' at the end of the part number; ex: 52.1200.24 S)

Balfit® Male 90° BSP Union

53.100.
ISO 8434-6



REFERENCE	thread		dimensions	
	R1	R2	L	W
53.100.0202	**1/8" – 28**	**1/8" – 28**	19,3	11
53.100.0404	**1/4" – 19**	**1/4" – 19**	23,2	14
53.100.0606	**3/8" – 19**	**3/8" – 19**	28,5	19
53.100.0808	**1/2" – 14**	**1/2" – 14**	32,5	22
53.100.1010	**5/8" – 14**	**5/8" – 14**	34,5	22
53.100.1212	**3/4" – 14**	**3/4" – 14**	37,2	27
53.100.1616	**1" – 11**	**1" – 11**	41,1	33
53.100.2020	**1-1/4" – 11**	**1-1/4" – 11**	49,5	41
53.100.2424	**1-1/2" – 11**	**1-1/2" – 11**	55	48
53.100.3232	**2" – 11**	**2" – 11**	60,5	58

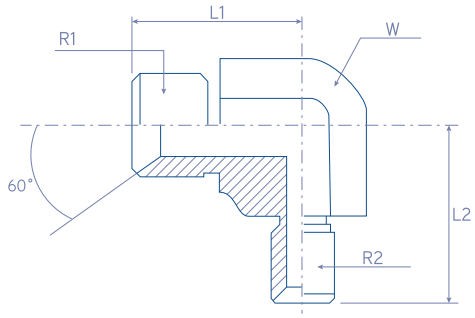
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL MALE 90° BSP UNION (add an 'S' at the end of the part number; ex: 53.100.2424 S)

Balflex®

Balfit® Male 90° BSP Union Reduction



53.101.

ISO 8434-6

REFERENCE	thread		dimensions		
	R1	R2	L1	L2	W
53.101.0402	**1/4" – 19**	**1/8" – 28**	24	23,2	14
53.101.0602	**3/8" – 19**	**1/4" – 19**	27	26,8	19
53.101.0604	**3/8" – 19**	**1/4" – 19**	27	26,8	19
53.101.0804	**1/2" – 14**	**1/4" – 19**	32	26,8	22
53.101.0806	**1/2" – 14**	**3/8" – 19**	32	30,7	22
53.101.1008	**5/8" – 14**	**1/2" – 14**	38	35,2	27
53.101.1204	**3/4" – 14**	**1/4" – 19**	36	26,8	27
53.101.1206	**3/4" – 14**	**3/8" – 19**	36	33	27
53.101.1208	**3/4" – 14**	**1/2" – 14**	36	35,2	27
53.101.1210	**3/4" – 14**	**5/8" – 14**	36	38	27
53.101.1608	**1" – 11**	**1/2" – 14**	42	34	33
53.101.1612	**1" – 11**	**3/4" – 14**	42	38	33
53.101.2012	**1.1/4" – 11**	**3/4" – 14**	48	38	41
53.101.2016	**1.1/4" – 11**	**1" – 11**	48	48	41
53.101.2412	**1.1/2" – 11**	**3/4" – 14**	55	38	48
53.101.2416	**1.1/2" – 11**	**1" – 11**	55	48	48
53.101.2420	**1.1/2" – 11**	**1.1/4" – 11**	55	51,5	48
53.101.3216	**2" – 11**	**1" – 11**	60,5	48	58
53.101.3220	**2" – 11**	**1.1/4" – 11**	60,5	51,5	58
53.101.3224	**2" – 11**	**1.1/2" – 11**	60,5	60,5	58

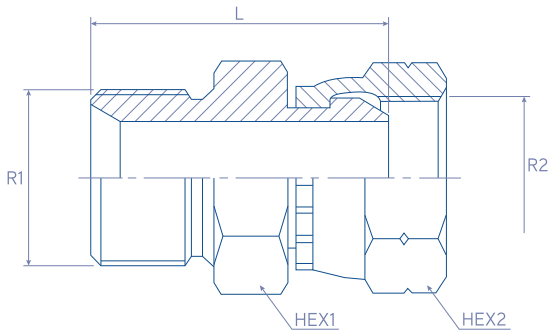
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL MALE 90° BSP UNION REDUCTION (add an 'S' at the end of the part number; ex: 53.101.0402 S)

Balfit® Male x Swivel Female BSP Adapter

52.500.
ISO 8434-6



REFERENCE	thread		dimensions		
	R1	R2	L	HEX1	HEX2
52.500.02	**1/8" – 28**	**1/8" – 28**	29,5	14	14
52.500.0204	**1/8" – 28**	**1/4" – 19**	31,5	18	14
52.500.04	**1/4" – 19**	**1/4" – 19**	33	18	18
52.500.0402	**1/4" – 19**	**1/8" – 28**	32	14	18
52.500.0406	**1/4" – 19**	**3/8" – 19**	36,2	22	18
52.500.06	**3/8" – 19**	**3/8" – 19**	37,7	22	22
52.500.0604	**3/8" – 19**	**1/4" – 19**	35	22	18
52.500.0608	**3/8" – 19**	**1/2" – 14**	40	22	27
52.500.08	**1/2" – 14**	**1/2" – 14**	44,1	27	27
52.500.0804	**1/2" – 14**	**1/4" – 19**	39,2	22	27
52.500.0806	**1/2" – 14**	**3/8" – 19**	41,7	22	27
52.500.0810	**1/2" – 14**	**3/8" – 14**	46,5	27	27
52.500.0812	**1/2" – 14**	**3/4" – 14**	46,5	32	27
52.500.10	**5/8" – 14**	**5/8" – 14**	45	27	27
52.500.12	**3/4" – 14**	**3/4" – 14**	49	32	32
52.500.1208	**3/4" – 14**	**1/2" – 14**	46,5	27	32
52.500.1216	**3/4" – 14**	**1" – 11**	53,5	40	32
52.500.16	**1" – 11.5**	**1" – 11**	55	40	40
52.500.1612	**1" – 11.5**	**3/4" – 14**	51	32	38
52.500.1620	**1" – 11**	**1.1/4" – 11**	56,9	50	38
52.500.20	**1.1/4" – 11.5**	**1.1/4" – 11**	59,9	50	50
52.500.2012	**1.1/4" – 11**	**3/4" – 14**	55	40	50
52.500.2016	**1.1/4" – 11**	**1" – 11**	58	40	50
52.500.2024	**1.1/4" – 11**	**1.1/2" – 11**	62	55	50
52.500.24	**1.1/2" – 11.5**	**1.1/2" – 11**	64	55	55
52.500.2420	**1.1/2" – 11**	**1.1/4" – 11**	64	50	55
52.500.32	**2" – 11.5**	**2" – 11**	71,5	70	70
52.500.3220	**2" – 11**	**1.1/4" – 11**	63,5	60	70

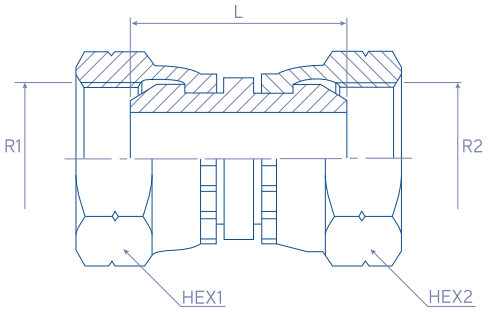
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL MALE X SWIVEL FEMALE BSP ADAPTER (add an 'S' at the end of the part number; ex: 52.500.12 S)

Balflex®

Balfit® Swivel Female x Female BSP Adapter



52.502.

ISO 8434-6

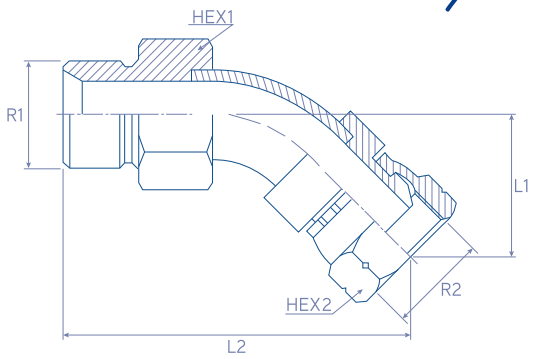
REFERENCE	thread		dimensions		
	R1	R2	L	HEX1	HEX2
52.502.02	**1/8" – 28**	**1/8" – 28**	34	14	14
52.502.04	**1/4" – 19**	**1/4" – 19**	39	18	18
52.502.06	**3/8" – 19**	**3/8" – 19**	43,2	22	22
52.502.08	**1/2" – 14**	**1/2" – 14**	51,6	27	27
52.502.12	**3/4" – 14**	**3/4" – 14**	56,5	32	32
52.502.16	**1" – 11**	**1" – 11**	61	38	38
52.502.20	**1-1/4" – 11**	**1-1/4" – 11**	68	50	50
52.502.24	**1-1/2" – 11**	**1-1/2" – 11**	76	55	55
52.502.32	**2" – 11**	**2" – 11**	78	70	70

MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL SWIVEL FEMALE X FEMALE BSP ADAPTER (add an 'S' at the end of the part number; ex: 52.502.12 S)

Balfit® 45° Elbow Male x Swivel Female BSP



52.545.

ISO 8434-6

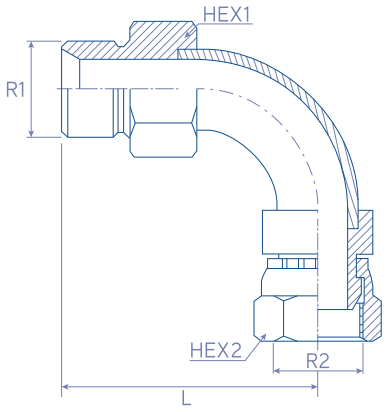
REFERENCE	thread		dimensions			
	R1	R2	L1	L2	HEX1	HEX2
52.545.04	**1/4" – 19**	**1/4" – 19**	20	47	18	16
52.545.06	**3/8" – 19**	**3/8" – 19**	22	53	22	22
52.545.08	**1/2" – 14**	**1/2" – 14**	27	60	27	27
52.545.12	**3/4" – 14**	**3/4" – 14**	30	70	32	32
52.545.16	**1" – 11**	**1" – 11**	32	90	40	36
52.545.20	**1-1/4" – 11**	**1-1/4" – 11**	44	99	50	50
52.545.24	**1-1/2" – 11**	**1-1/2" – 11**	51	124	60	55
52.545.32	**2" – 11**	**2" – 11**	59	145	70	70

MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® 90° Elbow Male x Swivel Female BSP



52.590.
ISO 8434-6

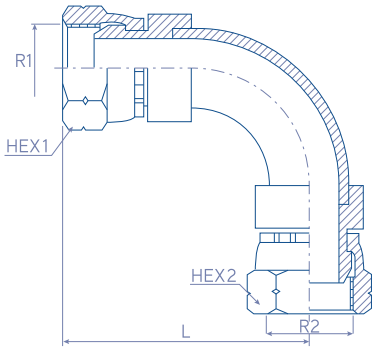
REFERENCE	thread		dimensions		
	R1	R2	L	HEX1	HEX2
52.590.04	**1/4" – 19**	**1/4" – 19**	36	18	18
52.590.06	**3/8" – 19**	**3/8" – 19**	36	22	22
52.590.08	**1/2" – 14**	**1/2" – 14**	49	27	27
52.590.12	**3/4" – 14**	**3/4" – 14**	63	32	32
52.590.16	**1" – 11**	**1" – 11**	75	36	36
52.590.20	**1-1/4" – 11**	**1-1/4" – 11**	82	50	50
52.590.24	**1-1/2" – 11**	**1-1/2" – 11**	96	55	55
52.590.32	**2" – 11**	**2" – 11**	122	70	70

MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® 90° Elbow Swivel Female BSP



52.592.
ISO 8434-6

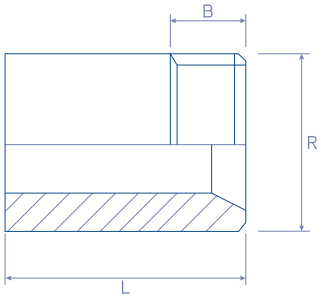
REFERENCE	thread		dimensions		
	R1	R2	L	HEX1	HEX2
52.592.04	**1/4" – 19**	**1/4" – 19**	36	18	18
52.592.06	**3/8" – 19**	**3/8" – 19**	42	22	22
52.592.08	**1/2" – 14**	**1/2" – 14**	49	27	27
52.592.12	**3/4" – 14**	**3/4" – 14**	63	32	32
52.592.16	**1" – 11**	**1" – 11**	75	36	36
52.592.20	**1-1/4" – 11**	**1-1/4" – 11**	82	50	50
52.592.24	**1-1/2" – 11**	**1-1/2" – 11**	96	55	55
52.592.32	**2" – 11**	**2" – 11**	122	70	70

MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL 90° ELBOW SWIVEL FEMALE BSP (add an 'S' at the end of the part number; ex: 52.592.12 S)

Balfit® BSP Male Welding Bosses

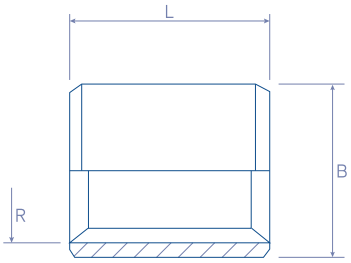


52.806.
ISO 8434-6

REFERENCE	thread R	dimensions L	B
52.806.02	**1/8" – 28**	18	8
52.806.04	**1/4" – 19**	21	10
52.806.06	**3/8" – 19**	25	12
52.806.08	**1/2" – 14**	27	14
52.806.12	**3/4" – 14**	31	16
52.806.16	**1" – 11**	33	18

MATERIAL: Carbon Steel **FINISH:** Chromium - (VI) Free Plating **VERSIONS:** BALFIT® STAINLESS STEEL BSP MALE WELDING BOSSES (add an 'S' at the end of the part number; ex: 52.806.12 S)

Balfit® BSP Female Welding Bosses

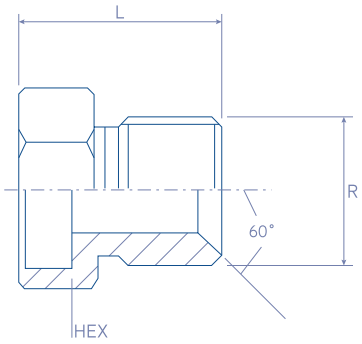


52.807.
ISO 8434-6

REFERENCE	thread R	dimensions L	B
52.807.02	**1/8" – 28**	18	14
52.807.04	**1/4" – 19**	22	18
52.807.06	**3/8" – 19**	25	25
52.807.08	**1/2" – 14**	32	30
52.807.12	**3/4" – 14**	35	35
52.807.16	**1" – 11**	38	42
52.807.20	**1-1/4" – 11**	40	50
52.807.24	**1-1/2" – 11**	43	60
52.807.32	**2" – 11**	47	70

MATERIAL: Carbon Steel **FINISH:** Chromium - (VI) Free Plating **VERSIONS:** BALFIT® STAINLESS STEEL BSP FEMALE WELDING BOSSES (add an 'S' at the end of the part number; ex: 52.807.12 S)

Balfit® BSP Hexagon Male Welding Bosses



52.808.
ISO 8434-6

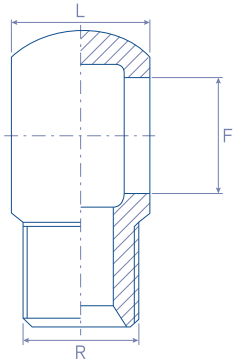
REFERENCE	thread	dimensions	
	R	L	HEX
52.808.02	**1/8" – 28**	17	14
52.808.04	**1/4" – 19**	18	18
52.808.06	**3/8" – 19**	20	22
52.808.08	**1/2" – 14**	22	27
52.808.12	**3/4" – 14**	26	32
52.808.16	**1" – 11**	31	40
52.808.20	**1-1/4" – 11**	37	50
52.808.24	**1-1/2" – 11**	39	60
52.808.32	**2" – 11**	43	70

MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL BSP HEXAGON MALE WELDING BOSSES (add an 'S' at the end of the part number; ex: 52.808.12 S)

Balfit® BSP Threaded Banjo Eye



52.800.
carbon steel BSP threaded banjo eye

REFERENCE	thread	dimensions	
	R	L	F
52.800.02	**1/8" – 28**	10	10
52.800.04	**1/4" – 19**	14	13.4
52.800.06	**3/8" – 19**	17.5	17
52.800.08	**1/2" – 14**	22	21
52.800.12	**3/4" – 14**	28	26.5
52.800.16	**1" – 11**	38	33.5
52.800.20	**1.1/4" – 11**	45	42.2
52.800.24	**1.1/2" – 11**	50	48

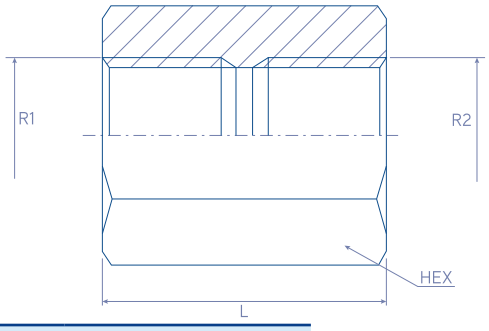
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL BSP THREADED BANJO EYE (add an 'S' at the end of the part number; ex: 52.800.12 S)

Balfit® BSPP Female Union

52.3000.
ISO 8434-6



REFERENCE	thread		dimensions	
	R1	R2	L	HEX
52.3000.0202	**1/8" – 28**	**1/8" – 28**	22	14
52.3000.0402	**1/4" – 19**	**1/8" – 28**	21	18
52.3000.0404	**1/4" – 19**	**1/4" – 19**	22	17
52.3000.0602	**3/8" – 19**	**1/8"**	25	22
52.3000.0604	**3/8" – 19**	**1/4"**	27	22
52.3000.0606	**3/8" – 19**	**3/8" – 19**	27	22
52.3000.0802	**1/2" – 14**	**1/8"**	30	27
52.3000.0804	**1/2" – 14**	**1/4"**	30	27
52.3000.0806	**1/2" – 14**	**3/6"**	32	27
52.3000.0808	**1/2" – 14**	**1/2" – 14**	31	27
52.3000.1204	**3/4" – 14**	**1/4"**	35	32
52.3000.1206	**3/4"**	**3/8"**	35	32
52.3000.1208	**3/4"**	**1/2"**	36	32
52.3000.1212	**3/4" – 14**	**3/4" – 14**	35	32
52.3000.1608	**1"**	**1/2"**	38	40
52.3000.1612	**1"**	**3/4"**	40	40
52.3000.1616	**1" – 11**	**1" – 11**	39	40
52.3000.2012	**1.1/4"**	**3/4"**	44	50
52.3000.2016	**1.1/4"**	**1"**	45	50
52.3000.2020	**1-1/4" – 11**	**1-1/4" – 11**	41	50
52.3000.2416	**1.1/2"**	**1"**	45	60
52.3000.2420	**1.1/2"**	**1.1/4"**	45	60
52.3000.2424	**1-1/2" – 11**	**1-1/2" – 11**	46	60
52.3000.3220	**2"**	**1.1/4"**	47	70
52.3000.3224	**2"**	**1.1/2"**	48	70
52.3000.3232	**2" – 11**	**2" – 11**	52	70

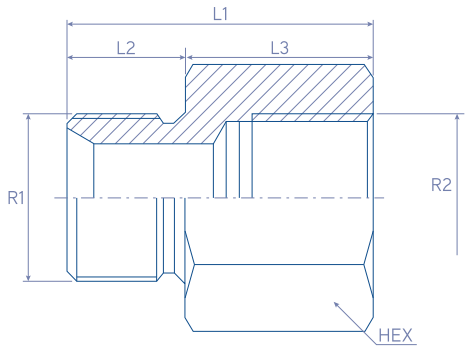
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL BSPP FEMALE UNION (add an 'S' at the end of the part number; ex: 52.3000.1212 S)

Balfit® BSPP Male x BSP Fixed Female Adapter

52.5000.
ISO 8434-6



REFERENCE	thread		dimensions			
	R1	R2	L1	L2	L3	HEX
52.5000.02	**1/8" – 28**	**1/8" – 28**	25	10	15	14
52.5000.0204	**1/8" – 28**	**1/4" – 19**	28	10	18	18
52.5000.0206	**1/8" – 28**	**3/8" – 19**	32	10	22	22
52.5000.0208	**1/8" – 28**	**1/2" – 14**	34	10	24	27
52.5000.04	**1/4" – 19**	**1/4" – 19**	30	10	20	18
52.5000.0402	**1/4" – 19**	**1/8" – 28**	25	10	15	18
52.5000.0406	**1/4" – 19**	**3/8" – 19**	32	10	22	22
52.5000.0408	**1/4" – 19**	**1/2" – 14**	34	10	24	27
52.5000.0412	**1/4" – 19**	**3/4" – 14**	37	10	27	32
52.5000.0416	**1/4" – 19**	**1" – 11**	40	10	30	40
52.5000.06	**3/8" – 19**	**3/8" – 19**	34	12	22	22
52.5000.0602	**3/8" – 19**	**1/8" – 28**	27	12	15	22
52.5000.0604	**3/8" – 19**	**1/4" – 19**	30	12	18	22
52.5000.0608	**3/8" – 19**	**1/2" – 14**	36	12	24	27
52.5000.0612	**3/8" – 19**	**3/4" – 14**	39	12	27	32
52.5000.0616	**3/8" – 19**	**1" – 11**	42	12	30	40
52.5000.08	**1/2" – 14**	**1/2" – 14**	38	14	24	27
52.5000.0802	**1/2" – 14**	**1/8" – 28**	29	14	15	27
52.5000.0804	**1/2" – 14**	**1/4" – 19**	32	14	18	27
52.5000.0806	**1/2" – 14**	**3/8" – 19**	36	14	22	27
52.5000.0812	**1/2" – 14**	**3/4" – 14**	41	14	27	32
52.5000.0816	**1/2" – 14**	**1" – 11**	44	14	30	40
52.5000.12	**3/4" – 14**	**3/4" – 14**	43	16	27	32
52.5000.1204	**3/4" – 14**	**1/4" – 19**	34	16	18	32
52.5000.1206	**3/4" – 14**	**3/8" – 19**	38	16	22	32
52.5000.1208	**3/4" – 14**	**1/2" – 14**	40	16	24	32
52.5000.1216	**3/4" – 14**	**1" – 11**	46	16	30	40
52.5000.1220	**3/4" – 14**	**1.1/4" – 11**	48	16	32	50
52.5000.16	**1" – 11**	**1" – 11**	49	19	30	40
52.5000.1606	**1" – 11**	**3/8" – 19**	41	19	22	40
52.5000.1608	**1" – 11**	**1/2" – 14**	43	19	24	40
52.5000.1612	**1" – 11**	**3/4" – 14**	46	19	27	40
52.5000.1620	**1" – 11**	**1.1/4" – 11**	51	19	32	50
52.5000.1624	**1" – 11**	**1.1/2" – 11**	53	19	34	55

REFERENCE	thread		dimensions			
	R1	R2	L1	L2	C	HEX
52.5000.2016	**1.1/4" – 11**	**1" – 11**	52	20	32	50
52.5000.2024	**1.1/4" – 11**	**1.1/2" – 11**	54	20	34	55
52.5000.2032	**1.1/4" – 11**	**2" – 11**	56	20	36	70
52.5000.24	**1.1/2" – 11**		56	22	34	55
52.5000.2420	**1.1/2" – 11**	**1.1/4" – 11**	56	22	34	55
52.5000.2432	**1.1/2" – 11**	**2" – 11**	58	22	36	70
52.5000.32	**2" – 11**	**2" – 11**	61	25	36	70
52.5000.3224	**2" – 11**	**1.1/2" – 11**	61	25	36	70

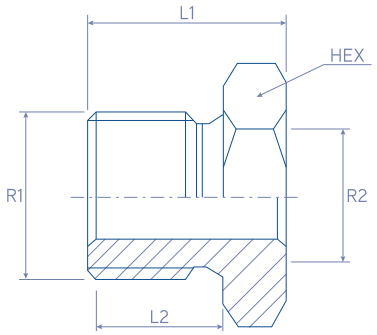
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balflex®

Balfit® BSPP Male x BSP Fixed Female Adapter



52.5001.
ISO 8434-6

REFERENCE	thread		dimensions		
	R1	R2	L1	L2	HEX
52.5001.0402	**1/4" -19**	**1/8"-28**	15	10	18
52.5001.0602	**3/8" – 19**	**1/8"-28**	17	12	22
52.5001.0604	**3/8" – 19**	**1/4" – 19**	17	12	22
52.5001.0804	**1/2" – 14**	**1/4" – 19**	20	14	27
52.5001.0806	**1/2" – 14**	**3/8" – 19**	20	14	27
52.5001.1204	**3/4" – 14**	**1/4" – 19**	23	16	32
52.5001.1206	**3/4" – 14**	**3/8" – 19**	23	16	32
52.5001.1208	**3/4" – 14**	**1/2" – 14**	23	16	32
52.5001.1604	**1" – 11**	**1/4" – 19**	26	18	40
52.5001.1606	**1" – 11**	**3/8" – 19**	26	18	40
52.5001.1608	**1" – 11**	**1/2" – 14**	26	18	40
52.5001.1612	**1" – 11**	**3/4" – 14**	26	18	40
52.5001.2008	**1.1/4" – 11**	**1/2" – 14**	28	19	50
52.5001.2012	**1.1/4" – 11**	**3/4" – 14**	28	19	50
52.5001.2016	**1.1/4" – 11**	**1" – 11**	28	19	50
52.5001.2408	**1.1/2" – 11**	**1/2" – 14**	30	20	55
52.5001.2412	**1.1/2" – 11**	**3/4" – 14**	30	20	55
52.5001.2416	**1.1/2" – 11**	**1" – 11**	30	20	55
52.5001.2420	**1.1/2" – 11**	**1.1/4" – 11**	30	20	55
52.5001.3216	**2" – 11**	**1" – 11**	34	22	70
52.5001.3220	**2" – 11**	**1.1/4" – 11**	34	22	70
52.5001.3224	**2" – 11**	**1.1/2" – 11**	34	22	70

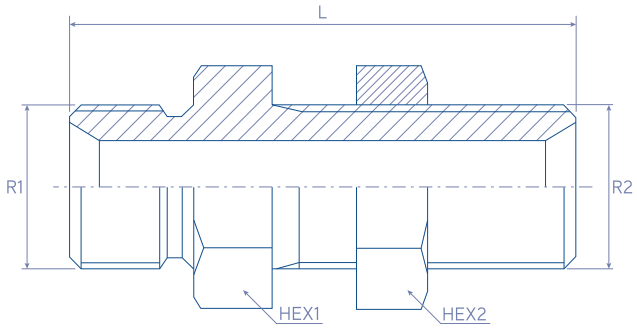
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® BSP Bulkhead Connector

52.5003.
ISO 8434-6



REFERENCE	thread		dimensions		
	R1	R2	L	HEX1	HEX2
52.5003.04	**1/4" – 19**	**1/4" – 19**	48,4	19	19
52.5003.06	**3/8" – 19**	**3/8" – 19**	54,2	22	22
52.5003.08	**1/2" – 14**	**1/2" – 14**	61	27	27
52.5003.12	**3/4" – 14**	**3/4" – 14**	66,2	32	32
52.5003.16	**1" – 11**	**1" – 11**	74,2	38	38

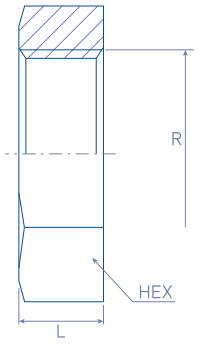
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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.
ISO 8434-6



REFERENCE	thread	dimensions	
		L	HEX
52.5004.04	**1/4" – 19**	7	19
52.5004.06	**3/8" – 19**	7	22
52.5004.08	**1/2" – 14**	9	27
52.5004.12	**3/4" – 14**	12	32
52.5004.16	**1" – 11**	12	38

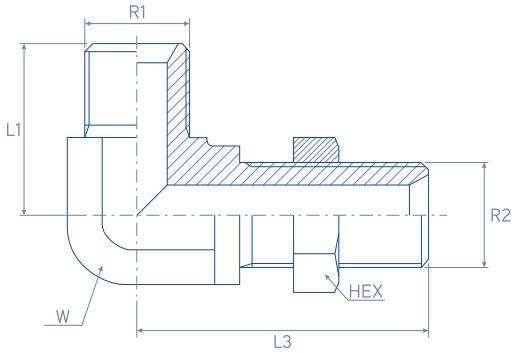
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL BSP LOCKNUT (add an 'S' at the end of the part number; ex: 52.5004.06 S)

Balfit® 90° Elbow BSP Bulkhead Connector

52.5005.
ISO 8434-6



REFERENCE	thread		dimensions			
	R1	R2	L1	L2	W	HEX
52.5005.04	**1/4" – 19**	**1/4" – 19**	25	46	14	19
52.5005.06	**3/8" – 19**	**3/8" – 19**	30	54	19	22
52.5005.08	**1/2" – 14**	**1/2" – 14**	37	61	22	27
52.5005.12	**3/4" – 14**	**3/4" – 14**	40	68	27	32
52.5005.16	**1" – 11**	**1" – 11**	48	71	33	38
52.5005.20	**1.1/4" – 11**	**1.1/4" – 11**	50	79	41	50

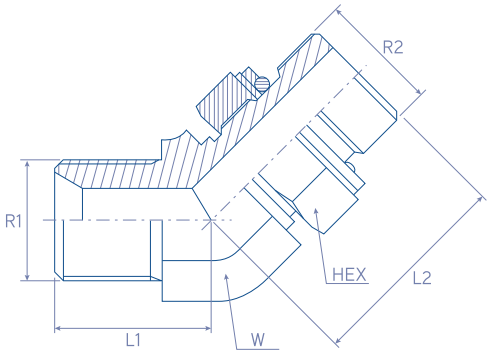
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL 90° ELBOW BSP BULKHEAD CONNECTOR
(add an 'S' at the end of the part number;
ex: 52.5005.06 S)

Balfit® 45° Elbow BSP Adjustable Connector

52.7008.
ISO 8434-6



REFERENCE	thread		dimensions			
	R1	R2	L1	L2	W	HEX
52.7008.02	**1/8" – 28**	**1/8" – 28**	25,5	14,8	11	14
52.7008.04	**1/4" – 19**	**1/4" – 19**	29	19,8	14	18
52.7008.06	**3/8" – 19**	**3/8" – 19**	33	23,3	19	22
52.7008.08	**1/2" – 14**	**1/2" – 14**	39	25,5	22	27
52.7008.12	**3/4" – 14**	**3/4" – 14**	42,3	29,3	27	32
52.7008.16	**1" – 11**	**1" – 11**	47	37	33	38
52.7008.20	**1-1/4" – 11**	**1-1/4" – 11**	48,5	35,5	41	50
52.7008.24	**1.1/2" – 11**	**1.1/2" – 11**	58,2	45,2	48	55

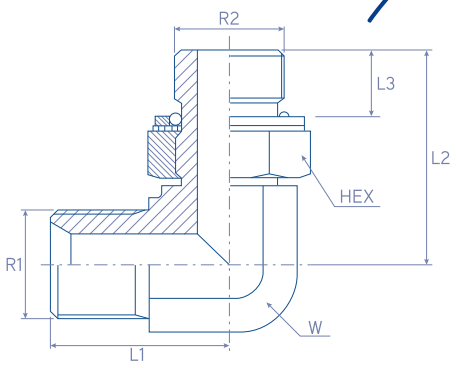
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL 45° ELBOW ADJUSTABLE BSPP MALE
(add an 'S' at the end of the part number;
ex: 52.7008.06 S)

Balfit® 90° Elbow Adjustable BSPP Male

52.7009.
ISO 8434-6



REFERENCE	thread		dimensions				
	R1	R2	L1	L2	L3	W	HEX
52.7009.02	**1/8" – 28**	**1/8" – 28**	19	26	6	11	14
52.7009.04	**1/4" – 19**	**1/4" – 19**	25	32	10	14	19
52.7009.06	**3/8" – 19**	**3/8" – 19**	30	37	10	19	22
52.7009.08	**1/2" – 14**	**1/2" – 14**	36	44	13	22	27
52.7009.12	**3/4" – 14**	**3/4" – 14**	39	50	13	27	36
52.7009.16	**1" – 11**	**1" – 11**	46	54	16	33	41
52.7009.20	**1-1/4" – 11**	**1-1/4" – 11**	50	57	16	41	50
52.7009.24	**1.1/2" – 11**	**1.1/2" – 11**	55	63	16	48	55

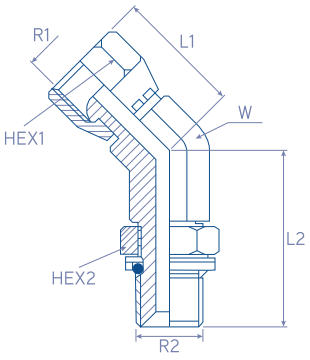
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL 90° ELBOW ADJUSTABLE BSPP MALE (add an 'S' at the end of the part number; ex: 52.7009.06 S)

Balfit® 45° Elbow Adjustable BSPP Male x Female

52.7011.
ISO 8434-6



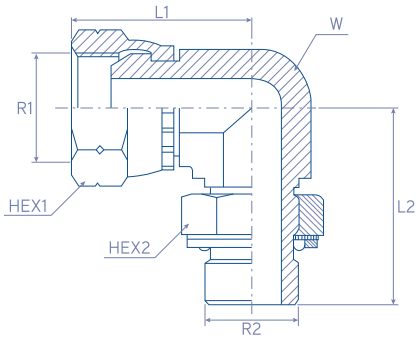
REFERENCE	thread		dimensions				
	R1	R2	L1	L2	W	HEX1	HEX2
52.7011.02	**1/8" – 28**	**1/8" – 28**	23,5	18	11	14	14
52.7011.04	**1/4" – 19**	**1/4" – 19**	26	21	14	18	18
52.7011.06	**3/8" – 19**	**3/8" – 19**	34	25	19	22	22
52.7011.08	**1/2" – 14**	**1/2" – 14**	36	28	22	27	27
52.7011.12	**3/4" – 14**	**3/4" – 14**	39	33	27	32	32
52.7011.16	**1" – 11**	**1" – 11**	39	37	33	38	38

MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® 90° Elbow Adjustable BSPP Male x Female



52.7010.

ISO 8434-6

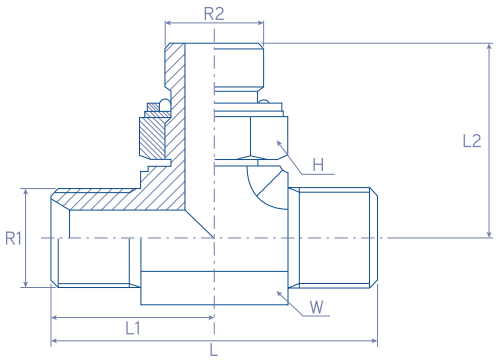
REFERENCE	thread		dimensions				
	R1	R2	L1	L2	W	HEX1	HEX2
52.7010.02	**1/8" – 28**	**1/8" – 28**	24	26	11	14	14
52.7010.04	**1/4" – 19**	**1/4" – 19**	29	32	14	18	18
52.7010.06	**3/8" – 19**	**3/8" – 19**	31	37	19	22	22
52.7010.08	**1/2" – 14**	**1/2" – 14**	41	44	22	27	27
52.7010.12	**3/4" – 14**	**3/4" – 14**	46	50	27	32	32
52.7010.16	**1" – 11**	**1" – 11**	49	54	33	38	38
52.7010.20	**1-1/4" – 11**	**1-1/4" – 11**	58	57	41	50	50

MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® BSPP Male Adjustable Branch Tee



52.7012.

ISO 8434-6

REFERENCE	thread	dimensions				
	R1	L	L1	L2	W	HEX
52.7012.020202	**1/8" – 28**	40	26	20	11	14
52.7012.040404	**1/4" – 19**	52	32	26	14	19
52.7012.060606	**3/8" – 19**	60	37	30	19	22
52.7012.080808	**1/2" – 14**	72	43	36	22	27
52.7012.121212	**3/4" – 14**	78	50	39	27	36
52.7012.161616	**1" – 11**	92	52	46	33	41
52.7012.202020	**1.1/4" – 11**	99	57	49,5	41	50

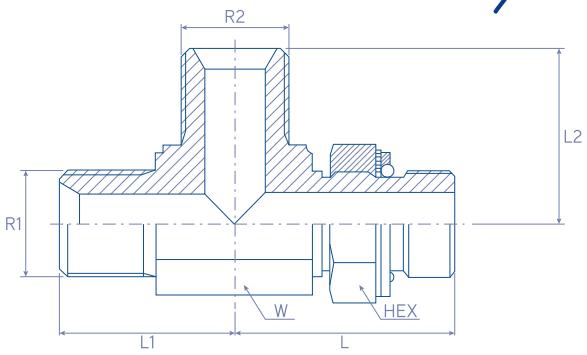
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: 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)

Balfit® BSPP Male Adjustable Run Tee

52.7013.
ISO 8434-6



REFERENCE	thread	dimensions				
	R1	L	L1	L2	W	HEX
52.7013.020202	**1/8" – 28**	46	26	20	11	14
52.7013.040404	**1/4" – 19**	58	32	26	14	19
52.7013.060606	**3/8" – 19**	67	37	30	19	22
52.7013.080808	**1/2" – 14**	79	43	36	22	27
52.7013.121212	**3/4" – 14**	88,5	49,5	39	27	36
52.7013.161616	**1" – 11**	98	52	46	33	41
52.7013.202020	**1.1/4" – 11**	106,5	57	49,5	41	50

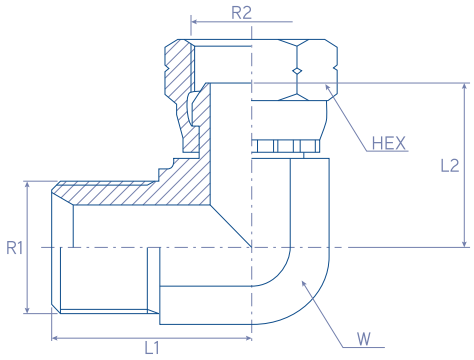
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL BSPP MALE ADJUSTABLE BRANCH AND RUN TEE (add an 'S' at the end of the part number; ex: 52.7013.06 S)

Balfit® 90° Elbow BSPP Male x Female

53.110.
ISO 8434-6



REFERENCE	thread		dimensions			
	R1	R2	L1	L2	W	HEX
53.110.0202	**1/8" – 28**	**1/8" – 28**	23,5	19,3	11	14
53.110.0404	**1/4" – 19**	**1/4" – 19**	29	25	14	18
53.110.0606	**3/8" – 19**	**3/8" – 19**	34	30	19	22
53.110.0808	**1/2" – 14**	**1/2" – 14**	40	34,5	22	27
53.110.1212	**3/4" – 14**	**3/4" – 14**	51,5	39	27	32
53.110.1616	**1" – 11**	**1" – 11**	48,5	45	33	38
53.110.2020	**1.1/4" – 11**	**1.1/4" – 11**	57	50	41	50
53.110.2424	**1.1|2" – 11**	**1.1/2" – 11**	62	55	48	60
53.110.3232	**2" – 11**	**2" – 11**	70	62	58	70

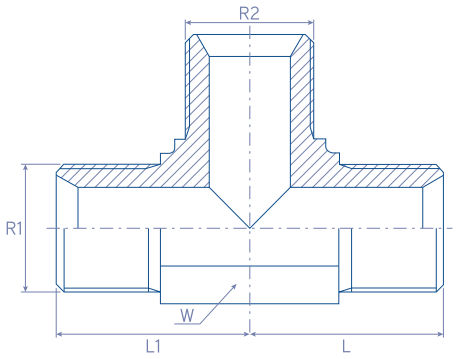
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL 90° ELBOW BSPP MALE X FEMALE (add an 'S' at the end of the part number; ex: 53.110.0606 S)

Balfit® Union BSPP Male Tee

53.300.
ISO 8434-6



REFERENCE	thread	dimensions		
	R	L	L1	W
53.300.020202	**1/8" – 28**	40	20	11
53.300.040404	**1/4" – 19**	50	25	14
53.300.060606	**3/8" – 19**	60	30	19
53.300.080808	**1/2" – 14**	69	34,5	22
53.300.121212	**3/4" – 14**	80	40	27
53.300.161616	**1" – 11**	92	46	33
53.300.202020	**1.1/4" – 11**	99	49,5	41
53.300.242424	**1.1/2" – 11**	110	55	48
53.300.323232	**2.1" – 11**	124	62	58

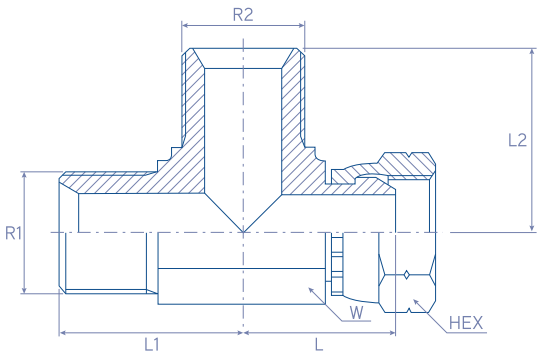
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL UNION BSPP MALE TEE (add an 'S' at the end of the part number; ex: 53.300.06 S)

Balfit® Swivel BSP Run Tee

53.4011.
ISO 8434-6



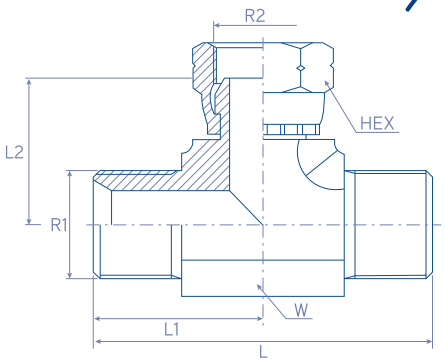
REFERENCE	thread		dimensions				
	R1	R2	L	L1	L2	W	HEX
53.4011.020202	**1/8" – 28**	**1/8" – 28**	43,5	25	20	11	14
53.4011.040404	**1/4" – 19**	**1/4" – 19**	54	29	25	14	18
53.4011.060606	**3/8" – 19**	**3/8" – 19**	64	34	30	19	22
53.4011.080808	**1/2" – 14**	**1/2" – 14**	74,5	40	34,5	22	27
53.4011.121212	**3/4" – 14**	**3/4" – 14**	85	46	39	27	32
53.4011.161616	**1" – 11**	**1" – 11**	96	50	46	33	38
53.4011.202020	**1.1/4" – 11**	**1.1/4" – 11**	103,5	54	49,5	41	50
53.4011.242424	**1.1/2" – 11**	**1.1/2" – 11**	120	65	55	48	60
53.4011.323232	**2" – 11**	**2" – 11**	132	70	62	58	70

MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL SWIVEL BSP RUN TEE (add an 'S' at the end of the part number; ex: 53.4011.06 S)

Balfit® Swivel BSP Branch Tee



53.4012.

ISO 8434-6

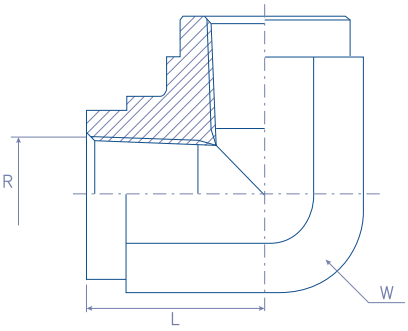
REFERENCE	thread		dimensions				
	R1	R2	L	L1	L2	W	HEX
53.4012.020202	**1/8" – 28**	**1/8" – 28**	40	20	23,5	11	14
53.4012.040404	**1/4" – 19**	**1/4" – 19**	50	25	29	14	18
53.4012.060606	**3/8" – 19**	**3/8" – 19**	60	30	34	19	22
53.4012.080808	**1/2" – 14**	**1/2" – 14**	66	34,5	40	22	27
53.4012.121212	**3/4" – 14**	**3/4" – 14**	78	39	46	27	32
53.4012.161616	**1" – 11**	**1" – 11**	92	46	50	33	38
53.4012.202020	**1.1/4" – 11**	**1.1/4" – 11**	99	49,5	54	41	50
53.4012.242424	**1.1/2" – 11**	**1.1/2" – 11**	110	55	65	48	60
53.4012.323232	**2" – 11**	**2" – 11**	124	62	70	58	70

MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL SWIVEL BSP BRANCH TEE (add an 'S' at the end of the part number; ex: 53.4012.06 S)

Balfit® 90° BSPP Elbow Fixed Female Union



53.120.

ISO 8434-6

REFERENCE	thread	dimensions	
	R	L	W
53.120.0202	**1/8" – 28**	16	14
53.120.0404	**1/4" – 19**	22	19
53.120.0606	**3/8" – 19**	26	22
53.120.0808	**1/2" – 14**	31	27
53.120.1212	**3/4" – 14**	36	33
53.120.1616	**1" – 11**	44	41
53.110.2020	**1.1/4" – 11**	50	48
53.120.2424	**1.1/2" – 11**	54	58
53.110.3232	**2" – 11**	70	65

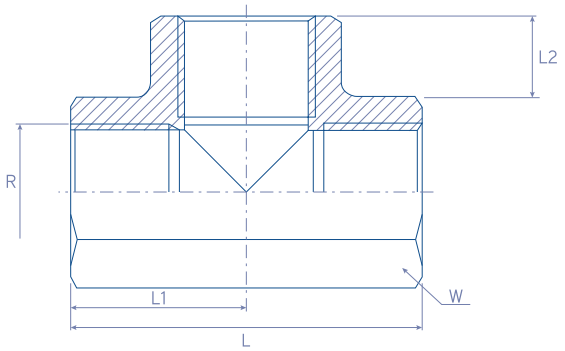
MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL 90° BSPP ELBOW FIXED FEMALE UNION (add an 'S' at the end of the part number; ex: 53.120.0606 S)

Balflex®

Balfit® Fixed Female BSPP Tee



53.302.

ISO 8434-6

REFERENCE	thread	dimensions			
	R	L	L1	L2	W
53.302.020202	**1/8" – 28**	33	16,5	10	14
53.302.040404	**1/4" – 19**	44	22	11	19
53.302.060606	**3/8" – 19**	52	26	13	22
53.302.080808	**1/2" – 14**	62	31	15	27
53.302.121212	**3/4" – 14**	70	35	17	33
53.302.161616	**1" – 11**	88	44	20	41
53.302.202020	**1.1/4" – 11**	100	50	23	48
53.302.242424	**1.1/2" – 11**	108	54	24	58
53.302.323232	**2" – 11**	140	70	26	66

MATERIAL: Carbon Steel

FINISH: Chromium - (VI) Free Plating

VERSIONS: BALFIT® STAINLESS STEEL FIXED FEMALE BSPP TEE (add an 'S' at the end of the part number; ex: 53.302.06 S)

PRODUCTS LIMITED WARRANTY

The products sold by Balflex® are warranted to our customers to be free from defects in material and workmanship when shipment at Balflex® warehouses takes place.

All warranty claims shall be made present in writing to Balflex®. Balflex® liability hereunder is limited to the purchase price of the merchandise proving to be defective or, at balflex sole discretion, to the replacement of such merchandise upon its authorized return to Balflex®.

This warranty is in lieu of and excludes all other warranties, or conditions expressed, implied, statutory or otherwise created under applicable law including, but not limited to the warranty of merchantability and the warranty of fitness for a particular purpose.

In addition, this warranty shall not apply and will be null and void to any products or portions thereof that have been subject to abuse, misuse, improper installation, maintenance or operation, electrical failure or abnormal conditions and to products that have been tampered with, altered, modified, repaired, reworked by anyone not approved by balflex or used in any other manner inconsistent with any Balflex® instructions or specifications. Balflex® disclaims any liability for any hose assemblies which have not been produced with in conformance with Balflex® assembly recommendations and parts.

In no event shall balflex have any liability whatsoever to any person, including without limitation, any immediate buyer, purchaser or other third party, for any special, punitive, incidental or consequential damages, including without limitation, profit loss or customer loss, loss or damage to physical property of customer or any other person and loss of anticipated revenue, profits, goodwill, savings or other economic loss of customer or any other person.

Specification subject to change without prior notice. Errors and omission excluded.

Balflex®

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