

Balflex®



**HYDRAULIC
FITTINGS
CATALOGUE
2020**

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.*

*55 years 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.





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:



Hoses vs Ferrule Compatibility Chart

Hose vs Ferrule		1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"
		- 02	- 03	- 04	- 05	- 06	- 08	- 10	- 12	- 16	- 20	- 24	- 32	- 40	- 48
Balflex®	Versions	Balflit®	Balflit®	Balflit®	Balflit®	Balflit®	Balflit®	Balflit®	Balflit®	Balflit®	Balflit®	Balflit®	Balflit®	Balflit®	Balflit®
TEXMASTER 1			20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107					
TEXMASTER 2			20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107					
TEXMASTER 3				20.201	20.201	20.201	20.202	20.202	20.202	20.301	20.201	20.201	20.201		
FORZA UNO	SHARK SKIN TROPIC ARMOURGUARD		20.204 20.101	20.302 20.101	20.302 20.101	20.302 20.101	20.302 20.202	20.302 20.202	20.302 20.202	20.204 20.301	20.204 20.101	20.204 20.101	20.204 20.101	20.204	20.204
FORZA DUE	SHARK SKIN TROPIC ARMOURGUARD		20.204 20.201	20.302 20.201	20.302 20.201	20.302 20.201	20.302 20.202	20.302 20.202	20.302 20.202	20.204 20.302	20.204 20.201	20.204 20.201	20.204 20.201	20.204	20.204
BALPAC PREMIUM	SHARK SKIN TROPIC ARMOURGUARD			20.302	20.302	20.302	20.302	20.302	20.302	20.204					
BALPAC 3000	SHARK SKIN TROPIC ARMOURGUARD			20.305	20.305	20.305	20.305	20.302	20.302	20.204					
2-MAX				20.302		20.302	20.302								
3-MAX						20.200	20.200	20.200	20.200	20.200					
BALWASH 1W	SHARK SKIN			20.302 20.101	20.302 20.101	20.302 20.101	20.302 20.202								
BALWASH 2W	SHARK SKIN			20.302 20.201	20.302 20.201	20.302 20.201	20.302 20.202								
BALMASTER 4SP	ARMOURGUARD			20.200		20.200 20.NS4	20.200 20.NS4	20.200 20.NS4	20.200 20.NS4	20.200 20.NS4	20.200 20.NS4	20.200 20.NS4	20.200 20.NS4	20.200 20.NS4	20.200 20.NS4
BALMASTER R12	ARMOURGUARD					20.NS4	20.NS4	20.NS4	20.NS4	20.NS4	20.NS4	20.NS4	20.NS4		



Hose vs Ferrule		1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"
		- 02	- 03	- 04	- 05	- 06	- 08	- 10	- 12	- 16	- 20	- 24	- 32	- 40	- 48
Balflex®	Versions	Balfitit®	Balfitit®	Balfitit®	Balfitit®	Balfitit®	Balfitit®	Balfitit®	Balfitit®	Balfitit®	Balfitit®	Balfitit®	Balfitit®	Balfitit®	Balfitit®
POWERSPIR 4SH	ARMOURGUARD									20.NS4 20.406	20.NS4 20.406	20.NS4 20.405	20.NS4 20.405	20.NS4 20.405	
POWERSPIR R13	ARMOURGUARD									20.NS4 20.406	20.NS4 20.406	20.406	20.406	20.406	
POWERSPIR R15	ARMOURGUARD									20.NS4 20.406	20.NS4 20.406	20.406	20.406	20.406	
BALFLON R14	BLACK	20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107					
BALFLON CONVOLUTED	BLACK			20.107	20.107	20.TFC	20.TFC	20.TFC	20.TFC	20.TFC	20.TFC	20.TFC	20.TFC	20.TFC	
ZETAFLEX	TWIN NON CONDUCTIVE	20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107					
ZETAFLEX STEEL	TWIN	20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107					
OMEGAFLEX PLUS	TWIN NON CONDUCTIVE	20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107	20.107					

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) – safety factor 4:1													
Description	Part Number	-2	-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48
NPTF Male	XX.0400			83.0		69.0	69.0		52.0	45.0	35.0	21.0	17.5		
BSPT Male	XX.0300														
BSP Male	XX.0100			63.0		55.0	43.0	37.5	35.0	28.0	25.0	21.0	21.0		
BSP Swivel Female	XX.3012 XX.3042 XX.3092			63.0		55.0	43.0	42.0	42.0	42.0	35.0	30.0	25.0		
BSP Swivel Female with O-ring	XX.3112 XX.3142 XX.3192			45.0		45.0	42.0	42.0	42.0	42.0	35.0	30.0	25.0		
BSP Swivel Flat Face Female	XX.3212			63.0		55.0	43.0	37.5	35.0	28.0	25.0	21.0	21.0		
90° Elbow BSP Swivel Compact Female	XX.3082			35.0		35.0	35.0	35.0	35.0	28.0	25.0	21.0	21.0		
JIC 37° Male	XX.2000			41.0	41.0	35.0	35.0	35.0	35.0	28.0	21.0	17.5	17.5		
JIC 37° Swivel Female	XX.4012 XX.4042 XX.4092 XX.4H12			41.0	41.0	35.0	35.0	35.0	35.0	28.0	21.0	17.5	17.5		
Flange 3000 PSI	XX.7013 XX.7043 XX.7093						35.0	35.0	35.0	35.0	28.0	28.0	21.0	17.5	16.0
Flange 6000 PSI	XX.7016 XX.7046 XX.7096						42.0	42.0		42.0	42.0	42.0	42.0		
Banjo BSP	XX.6500			25.0		25.0	21.5	21.5	20.0						
JIS Female	XX.3712			35.0		35.0	35.0	28.0	28.0	21.0	17.5				
ORFS Male	XX.4000			63.5		63.5	63.5	41.0	41.0	41.0	28.0	28.0			
ORFS Female	XX.4414 XX.4444 XX.4494 XX.44H4			63.5		63.5	63.5	41.0	41.0	41.0	28.0	28.0			



Metric Tube (mm) – Light Serie "L"											
Maximum Working pressure (MPa) – safety factor 4:1											
Description	Part Number	6	8	10	12	15	18	22	28	35	42
Metric Male	XX.1000	25.0	42.5	40.0	35.0	31.0	28.0	28.0	21.0	16.0	16.0
Metric Swivel Female with O-ring	XX.5013 XX.5043 XX.5093	31.5	42.5	40.0	35.0	31.5	31.5	28.0	21.0	16.0	16.0
Metric Banjo	XX.6400			20.0	20.0		20.0	20.0			
Metric Standpipe	XX.6000	25.0	25.0	25.0	25.0	25.0	16.0	16.0	10.0	10.0	10.0

Metric Tube (mm) – Heavy Serie "S"											
Maximum Working pressure (MPa) – safety factor 4:1											
Description	Part Number	6	8	10	12	14	16	20	25	30	38
Metric Male	XX.1100	63.0	63.0	63.0	63.0	63.0	42.0	42.0	42.0	42.0	42.0
Metric Swivel Female with O-ring	XX.5113 XX.5143 XX.5193	63.0	63.0	63.0	63.0	63.0	42.0	42.0	42.0	42.0	42.0
Metric Banjo	XX.6400			20.0	20.0		20.0	20.0			
Metric Standpipe	XX.6000	63.0	63.0	63.0	63.0	63.0	40.0	40.0	40.0	25.0	25.0

Torque

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

Recommended Torque (Nm)																
Description	-02	-03	-04	-05	-06	-07	-08	-10	-12	-14	-16	-20	-24	-32	-40	-48
BSP Connectors	1/8"		1/4"		3/8"		1/2"	5/8"	3/4"		1"	1.1/4"	1.1/2"	2"		
	15		20		31		36	41	46		57	65	74	86		
JIC Connectors			7/16"	1/2"	9/16"	5/8"	3/4"	7/8"	1.1/16"	1.3/16"	1.5/16"	1.5/8"	1.7/8"	2.1/2"		
			14	19	23	25	30	35	41	47	52	60	69	80		
ORFS Connectors			9/16"		11/16"		13/16"	1"	1.3/16"		1.7/16"	1.11/16"	2.1/2"			
			15		20		26	31	36		41	46	51			
Flange 3000 PSI							1/2"		3/4"		1"	1.1/4"	1.1/2"	2"		
							17		25		31	40	52	60		
Flange 6000 PSI							1/2"		3/4"		1"	1.1/4"	1.1/2"	2"		
							17		29		46	68	125	208		

Recommended Torque (Nm)														
Description	12	14	16	18	20	22	24	26	30	36	42	45	52	
Metric Connectors	M12X1.5	M14X1.5	M16X1.5	M18X1.5	M20X1.5	M22X1.5	M24X1.5	M26X1.5	M30X2.0	M36X2.0	M42X2.0	M45X2.0	M52X2.0	
	11	16	20	22	27	32	38	44	49	57	66	77	79	

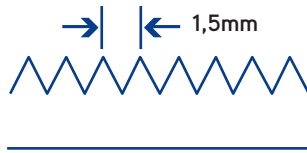
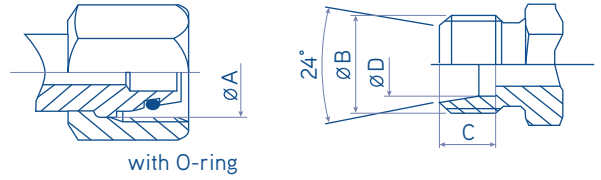


Quick identification of hydraulic connectors

DIN 24° light (L) and heavy series (S) with O-ring

The male has a 24° sealing angle cone seat with straight metric threads. The female has a 24° convex cone with O-ring and a swivel straight metric threaded nut.

Standard: ISO 12151-2, ISO 8434-1, ISO 8434-4



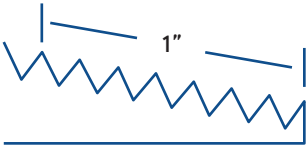
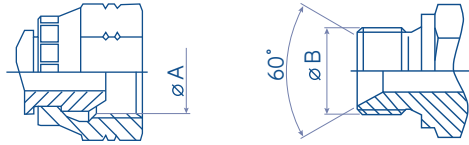
Thread

Defined by the outside diameter and the pitch (distance between 2 crests of the thread)
example: M22x1.5 - pitch of 1.5mm.

Tube O.D. (mm)	Tube type	Thread metric	ØA (mm)	ØB (mm)	C (mm)	ØD (mm)
6.00	6L	M12X1.5	10.50	12.00	7.00	6.20
6.00	6S	M14X1.5	12.50	14.00	7.00	6.20
8.00	8L	M14x1.5	12.50	14.00	7.00	8.20
8.00	8S	M16x1.5	14.50	16.00	7.00	8.20
10.0	10L	M16x1.5	14.50	16.00	7.00	0.20
10.0	10S	M18x1.5	16.50	18.00	7.50	0.20
12.0	12L	M18x1.5	16.50	18.00	7.00	2.20
12.0	12S	M20x1.5	18.50	20.00	7.50	2.20
14.0	14S	M22x1.5	20.50	22.00	8.00	14.20
15.0	15L	M22x1.5	20.50	22.00	7.00	15.20
16.0	16S	M24x1.5	22.5	24.0	8.5	16.20
18.0	18L	M26x1.5	24.5	26.0	7.50	18.20
20.0	20S	M30x2.0	27.9	30.0	10.50	20.20
22.0	22L	M30x2.0	27.9	30.0	7.50	22.20
25.0	25S	M36x2.0	33.9	36.0	12.00	25.20
28.0	28L	M36x2.0	33.9	36.0	7.50	28.20
30.0	30S	M42x2.0	39.9	42.0	13.50	30.20
35.0	35L	M45x2.0	42.9	45.0	10.50	35.30
38.0	38S	M52x2.0	49.9	52.0	16.00	38.30
42.0	42L	M52x2.0	49.9	52.0	11.00	42.30

British Standard Pipe Parallel (BSPP)

Referred to as Whitworth threads, the BSP thread type fittings seal use metal-to-metal angled surfaces or a combination of metal-to-metal and an O-ring. The angle of the sealing surfaces is 60° for both forms. Standard: BS 5200 ISO 12151-6



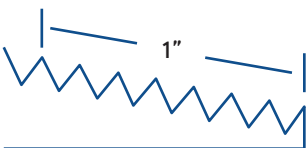
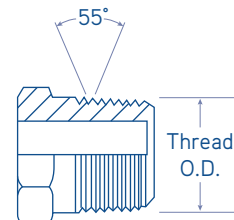
Thread

Identification is made by measuring the outside diameter of the thread and the number of threads per inch (25.4mm).

Tube I.D. (mm)	Tube O.D. (mm)	Size	Thread BSP	ØA (mm)	ØB (mm)
6	10	- 2	1/8" -28	8.60	9.70
8	13	- 4	1/4" -19	11.50	13.20
12	17	- 6	3/8" -19	14.90	16.70
15	21	- 8	1/2" -14	18.60	20.90
18	23	- 10	5/8" -14	20.60	22.90
20	27	- 12	3/4" -14	24.10	26.40
26	34	- 16	1" -11	30.3	33.20
33	42	- 20	1.1/4" -11	38.90	41.90
40	49	- 24	1.1/2" -11	44.90	47.80
50	60	- 32	2" -11	56.70	59.60

British Standard Pipe Tapered (BSPT)

Fittings seal through the thread interface mechanism. Care should be taken not to confuse the BSPT fitting with the NPTF male fitting. BSPT has a 55° thread angle.



Thread

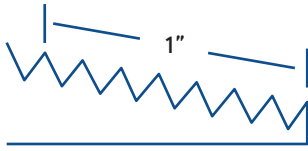
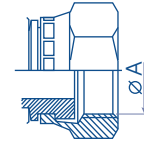
Identification is made by measuring the outside diameter of the thread and the number of threads per inch (25.4mm).

Tube I.D. (mm)	Tube O.D. (mm)	Size	Thread BSPT	ØA (mm)
5	10	- 2	1/8" -28	9.73
8	13	- 4	1/4" -19	13.16
12	17	- 6	3/8" -19	16.66
15	21	- 8	1/2" -14	20.96
20	27	- 12	3/4" -14	26.44
26	34	- 16	1" -11	33.25
33	42	- 20	1.1/4" -11	41.91
40	49	- 24	1.1/2" -11	47.80
50	60	- 32	2" -11	59.61
50	60	- 32	2" -11	56.70



BSP Flat Seal

These fittings have BSP parallel threads but the sealing surface is flat. The seal is made when the composite seal is compressed against the female flat face.



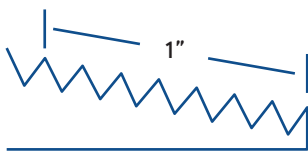
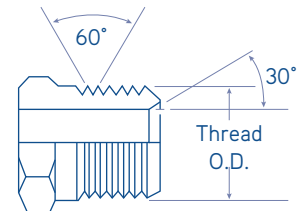
Thread

Identification is made by measuring the outside diameter of the thread and the number of threads per inch (25.4mm).

Tube I.D. (mm)	Tube O.D. (mm)	Size	Thread BSPT	ØA (mm)
6	10	- 2	1/8" -28	8.60
8	13	- 4	1/4" -19	11.50
12	17	- 6	3/8" -19	14.90
15	21	- 8	1/2" -14	18.60
18	23	- 12	5/8" -14	20.60
20	27	- 16	3/4" -14	24.10
26	34	- 20	1" -11	30.30
33	42	- 20	1.1/4" -11	38.90
40	49	- 24	1.1/2" -11	44.90
50	60	- 32	2" -11	56.70

Dry Seal American Standard Taper Pipe Thread (NPTF)

This type of fitting uses the thread interface to seal and as such has a tapered thread that deforms and forms the seal. They have 30° sealing angle surfaces, forming a 60° inverted (concave) seat.



Thread

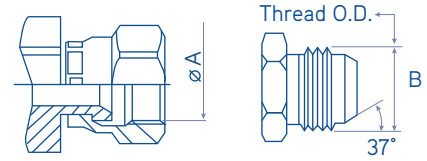
Identification is made by measuring the outside diameter of the thread and the number of threads per inch (25.4mm).

Size	Thread NPTF	ØA (mm)
- 2	1/8" -27	10.24
- 4	1/4" -18	13.61
- 6	3/8" -18	17.05
- 8	1/2" -14	21.22
- 12	3/4" -14	26.56
- 16	1" -11.5	33.22
- 20	1.1/4" -11.5	41.98
- 24	1.1/2" -11.5	48.05
- 32	2" -11.5	60.09

SAE JIC 37°

Commonly referred to as JIC fittings, these metal-to-metal sealing type fittings have a 37° flare (sealing surface angle) and straight United National Fine Threads (UNF). The original design specification for the fittings comes from the Society of Automotive Engineers (SAE).

Standard: ISO 12151-5, ISO 8434-2, SAE J516

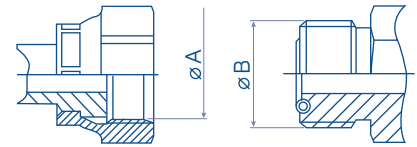


Tube O.D (inch)	Size	Thread UNF	ØA (mm)	ØB (mm)
1/4"	- 4	7/16" -20	10.00	11.10
5/16"	- 5	1/2" -20	11.60	12.70
3/8"	- 6	9/16" -18	13.00	14.30
1/2"	- 8	3/4" -16	17.60	19.10
5/8"	- 10	7/8" -14	20.50	22.20
3/4"	- 12	1.1/16" -12	24.60	27.00
7/8"	- 14	1.3/16" -12	28.30	30.10
1"	- 16	1.5/16" -12	31.30	33.30
1.1/4"	- 20	1.5/8" -12	39.20	41.30
1.1/2"	- 24	1.7/8" -12	45.60	47.60
2"	- 32	2.1/2" -12	61.50	63.50

O-Ring Face Seal (ORFS)

This fitting type has a high level of sealing and good vibration resistance. The fittings use the O-ring compression mechanism to seal. The female fittings have flat faces and straight threaded UNF swivel nuts. The male fittings have the O-ring in a groove in the flat face.

Standard: ISO 12151-1, ISO 8434-3, SAE J516

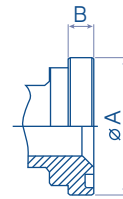


Tube O.D (inch)	Size	Thread UNF	ØA (mm)	ØB (mm)
1/4"	- 4	9/16" -18	13.00	14.20
3/8"	- 6	11/16" -16	15.90	17.50
1/2"	- 8	13/16" -16	19.10	20.60
5/8"	- 10	1" -14	23.80	25.40
3/4"	- 12	1.3/16" -12	28.20	30.10
1"	- 16	1.7/16" -12	34.15	36.50
1.1/4"	- 20	1.11/16" -12	40.50	42.90
1.1/2"	- 24	2" -12	48.80	50.80



Flange 3000 psi and 6000 psi

The sealing mechanism is through compression of the O-ring in the face of the flange head against the surface of the port connection. The flange fittings are generally separated into two pressure classes referred to as 21.0 MPa/ 3000 psi (SFL) or 42.0 MPa/ 6000 psi (SFS). In addition to these flanges, customer-specific Komatsu and CATERPILLAR flanges can also be found in the market. Standard: ISO 6162-1, ISO 6162-2

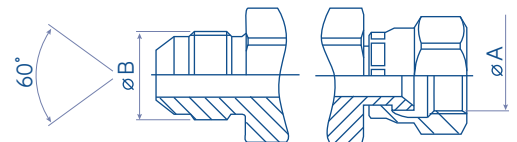


Flange (inch)	Size	3000 psi			6000 psi			SuperCat		
		ØA (mm)	B (mm)	O-ring (mm)	ØA (mm)	B (mm)	O-ring (mm)	ØA (mm)	B (mm)	O-ring (mm)
1/2"	- 8	30.18	6.73	18.64x3.53	31.75	7.75	18.64x3.53			
5/8"*	- 10	34.25	6.00	21.70x3.53						
3/4"	- 12	38.10	6.73	24.99x3.53	41.28	8.76	24.99x3.53	41.28	14.22	24.99x3.53
1"	- 16	44.45	8.00	32.92x3.53	47.63	9.53	32.92x3.53	47.63	14.22	32.92x3.53
1.1/4"	- 20	50.80	8.00	37.69x3.53	53.98	10.29	37.69x3.53	53.98	14.22	37.69x3.53
1.1/2"	- 24	60.33	8.00	47.22x3.53	63.50	12.57	47.22x3.53	63.50	14.22	47.22x3.53
2"	- 32	71.42	9.53	56.74x3.53	79.38	12.57	56.74x3.53	79.38	14.22	56.74x3.53
2.1/2"	- 40	84.12	9.53	69.44x3.53						
3"	- 48	101.60	9.53	85.32x3.53						

* Although not in the SAE or the ISO standard the size -10 (5/8) flange head is gaining popularity. This flange is often found on Komatsu equipment or hydrostatic drives in agricultural machines.

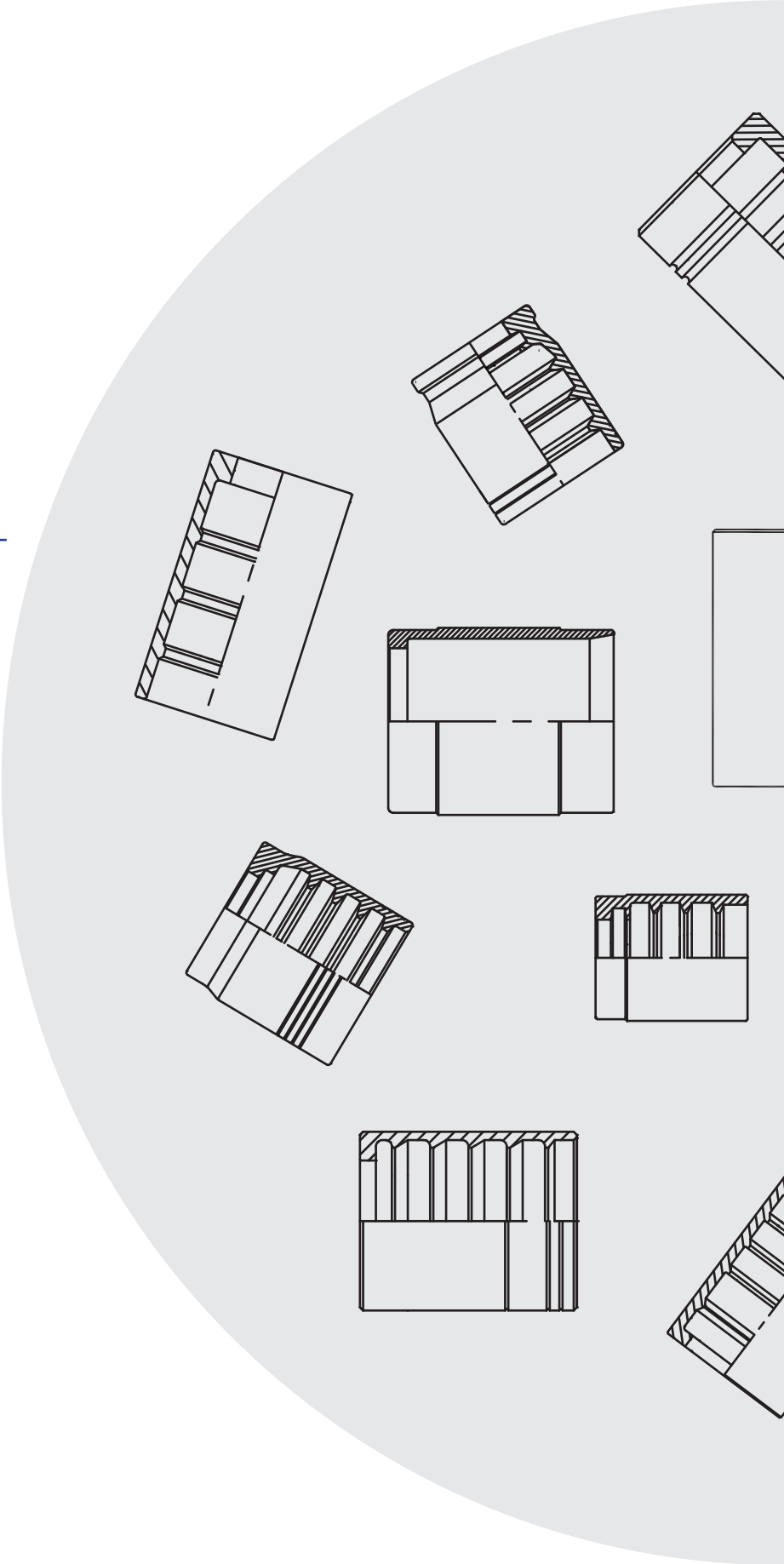
Japanese Industrial Standard (JIS)

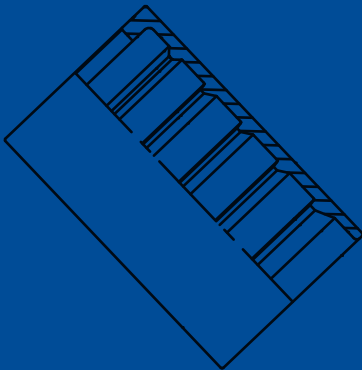
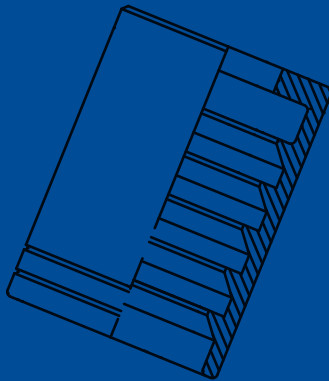
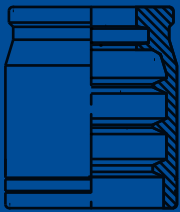
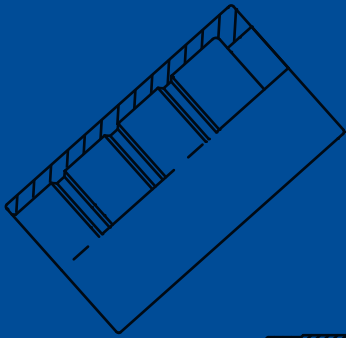
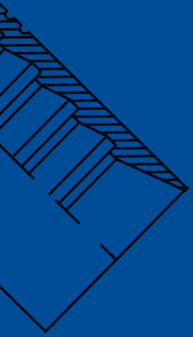
The Japanese Industrial Standard (JIS) uses a 30° sealing angle seat and either British Standard Pipe Parallel or metric threads.

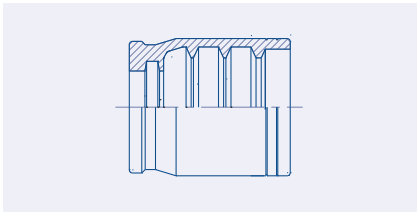


Thread metric	ØA (mm)	ØB (mm)	Thread BSP	ØA (mm)	ØB (mm)
M14X1.5	12.50	14.00	1/4" -19	11.50	13.20
M18X1.5	16.50	18.00	3/8" -19	14.90	16.70
M16X1.5	14.50	16.00	1/2" -14	18.60	20.90
M18X1.5	16.50	18.00	3/4" -14	24.10	26.40
M22X1.5	20.50	22.00	1" -11	30.30	33.20
M24X1.5	22.50	24.00			
M30X1.5	28.50	30.00			
M33X2.0	31.00	33.00			
M42X2.0	40.00	42.00			

Ferrules

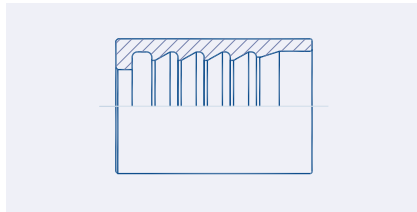






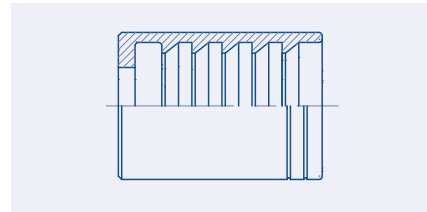
**NON SKIVE Balfit®
1 & 2 Wire Braid Ferrule**
20.204 / 20.302

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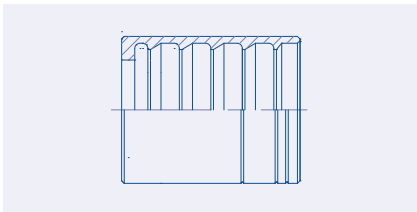
**NON SKIVE Balfit®
1 Wire Braid Ferrule**
20.101 / 20.301

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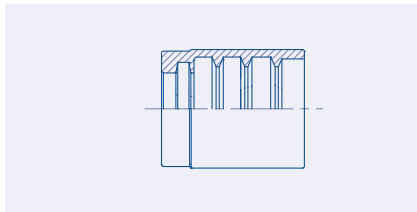
**NON SKIVE Balfit®
2 Wire Braid Ferrule**
20.201 / 20.302

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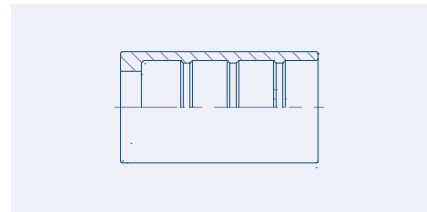
**NON SKIVE Balfit®
1 & 2 Wire Braid Ferrule**
20.202

pag. 19



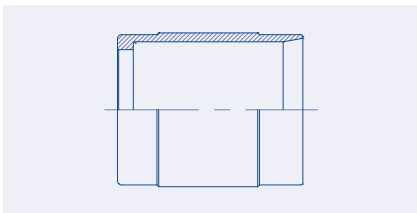
**NON SKIVE Balfit®
1 Wire Braid Ferrule**
20.305

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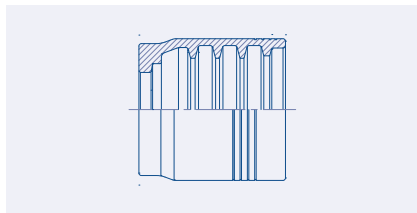
**NON SKIVE Balfit® Textile Braid,
Thermoplastic & PTFE Ferrule**
20.107

pag. 20



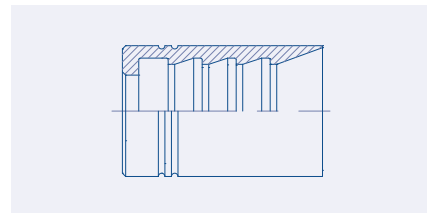
**NON SKIVE Balfit®
PTFE Convoluted Ferrule**
20.TFC

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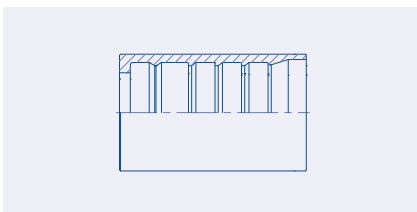
**NON SKIVE Balfit®
4 Spiral Ferrule**
20.NS4

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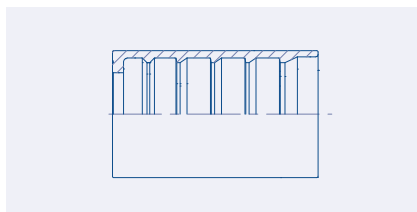
**EXTERNAL SKIVE Balfit®
2 Wire Braid & 4 Spiral Ferrule**
20.200

pag. 22



**DOUBLE SKIVE Balfit®
4 Spiral Ferrule**
20.405

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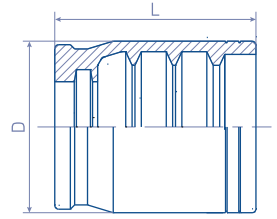


**DOUBLE SKIVE Balfit®
4 & 6 Spiral Ferrule**
20.406

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NON SKIVE Balfit® 1 & 2 Wire Braid Ferrule



20.204. / 20.302.

REFERENCE	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.204.03	- 3	4,8	3/16"	26.0	21.0
20.302.04	- 4	6,3	1/4"	25.8	22.0
20.302.05	- 5	8,0	5/16"	27.4	24.0
20.302.06	- 6	9,5	3/8"	30.0	26.0
20.302.08	- 8	12,7	1/2"	32.5	30.0
20.302.10	- 10	16,0	5/8"	35.0	34.0
20.302.12	- 12	19,0	3/4"	40.0	38.0
20.204.16	- 16	25,4	1"	47.6	46.3
20.204.20	- 20	32,0	1-1/4"	55.0	58.0
20.204.24	- 24	38,0	1-1/2"	60.3	65.0
20.204.32	- 32	50,8	2"	62.7	78.0
20.204.40	- 40	63,0	2-1/2"	72.2	95.0
20.204.48	- 48	76,0	3"	80.0	110.0

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

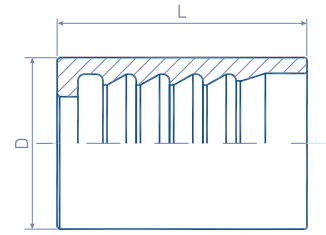
VERSIONS: stainless steel AISI 316

Suitable to be used on medium and high pressure braided hoses:

FORZA UNO; FORZA UNO "SHARK SKIN"; FORZA UNO "TROPIC"; FORZA DUE; FORZA DUE "SHARK SKIN"; FORZA DUE "TROPIC"; BALPAC PREMIUM; BALPAC PREMIUM "SHARK SKIN"; BALPAC 3000; BALPAC 3000 "SHARK SKIN"; 2-MAX JACK; BALWASH 1W; BALWASH 2W

NON SKIVE Balfit® 1 Wire Braid Ferrule

20.101. / 20.301.



REFERENCE	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.101.03	- 3	4,8	3/16"	26.0	19.0
20.101.04	- 4	6,3	1/4"	29.0	19,8
20.101.05	- 5	8,0	5/16"	30.0	22.0
20.101.06	- 6	9,5	3/8"	31.6	24.0
20.301.16	- 16	25,4	1"	50.0	45.0
20.101.20	- 20	32,0	1.1/4"	60.0	53.0
20.101.24	- 24	38,0	1.1/2"	73.0	58.0
20.101.32	- 32	50,8	2"	77.0	73.0

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

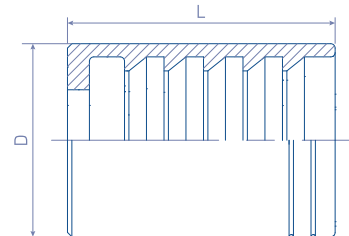
VERSIONS: stainless steel AISI 316

Suitable to be used on medium and high pressure braided hoses:

FORZA UNO; FORZA UNO "SHARK SKIN"; FORZA UNO "TROPIC"; BALWASH 1W

NON SKIVE Balfit® 2 Wire Braid Ferrule

20.201. / 20.302.



REFERENCE	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.201.04	- 4	6,3	1/4"	30.5	22.0
20.201.05	- 5	8,0	5/16"	30.5	21.0
20.201.06	- 6	9,5	3/8"	32.0	25.0
20.302.16	- 16	25,4	1"	50.0	48.0
20.201.20	- 20	32,0	1.1/4"	59.0	56.0
20.201.24	- 24	38,0	1.1/2"	70.0	65.0
20.201.32	- 32	50,8	2"	77.0	75.3

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

VERSIONS: stainless steel AISI 316

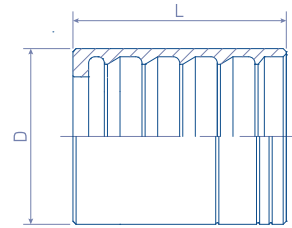
Suitable to be used on medium and high pressure braided hoses:

FORZA DUE; FORZA DUE "SHARK SKIN"; FORZA DUE "TROPIC"; TEXMASTER 3; BALWASH 2W



NON SKIVE Balfit® 1 & 2 Wire Braid Ferrule

20.202.



REFERENCE	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.202.08	- 8	12,7	1/2"	34.0	28.0
20.202.10	- 10	16,0	5/8"	37.0	32.0
20.202.12	- 12	19,0	3/4"	42.50	36.0

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

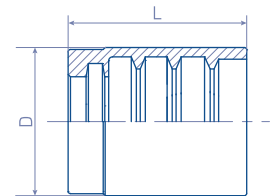
VERSIONS: stainless steel AISI 316

Suitable to be used on medium and high pressure braided hoses:

FORZA UNO; FORZA UNO "SHARK SKIN"; FORZA UNO "TROPIC"; FORZA DUE; FORZA DUE "SHARK SKIN"; FORZA DUE "TROPIC"; TEXMASTER 3; BALWASH 1W; BALWASH 2W

NON SKIVE Balfit® 1 Wire Braid Ferrule

20.305.



REFERENCE	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.305.04	- 4	6,3	1/4"	22.9	19.0
20.305.05	- 5	8,0	5/16"	27.6	20.0
20.305.06	- 6	9,5	3/8"	30.2	23.0
20.305.08	- 8	12,7	1/2"	32.0	26.5
20.305.10	- 10	16,0	5/8"	35.0	29.0
20.305.12	- 12	19,0	3/4"	40.8	33.0
20.305.16	- 16	25,4	1"	45.0	41.9

MATERIAL: Carbon Steel

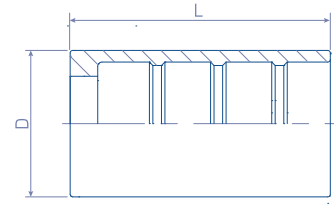
FINISH: Chromium-(VI) Free plating

VERSIONS: stainless steel AISI 316

Suitable to be used on medium and high pressure braided hoses:

BALPAC 3000; BALPAC 3000 "SHARK SKIN"

NON SKIVE Balfit® Textile Braid, Thermoplastic & PTFE Ferrule



20.107.

REFERENCE	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.107.02	- 2	3,2	1/8"	24.1	13.0
20.107.03	- 3	4,8	3/16"	25.0	15.0
20.107.04	- 4	6,3	1/4"	29.2	17.0
20.107.05	- 5	8,0	5/16"	31.0	18.0
20.107.06	- 6	9,5	3/8"	31.0	21.0
20.107.08	- 8	12,7	1/2"	34.0	25.3
20.107.10	- 10	16,0	5/8"	37.0	29.0
20.107.12	- 12	19,0	3/4"	43.0	32.0
20.107.16	- 16	25,4	1"	50.5	40.0

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

VERSIONS: stainless steel AISI 316

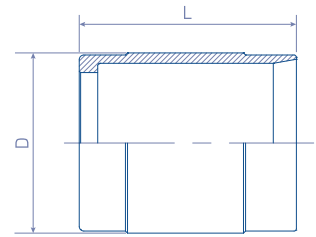
Suitable to be used on textile braid, thermoplastic and PTFE hoses:

TEXMASTER 1, TEXMASTER 2; BALFLON SAE 100R14; BALFLON CONVOLUTED; BALFLON CONVOLUTED BLACK CONDUCTIVE; ZETAFLX; ZETAFLX TWIN; ZETAFLX NON CONDUCTIVE; ZETAFLX NON CONDUCTIVE TWIN; ZETAFLX STEEL; ZETAFLX STEEL TWIN; OMEGAFLEX PLUS; OMEGAFLEX PLUS TWIN LINE; OMEGAFLEX PLUS NON CONDUCTIVE; OMEGAFLEX PLUS TWIN NON CONDUCTIVE; ZETAFLX 3000; ZETAFLX 3000 TWIN; ZETAFLX 3000 NON CONDUCTIVE; ZETAFLX 3000 TWIN NON CONDUCTIVE; PAINTSPRAY



NON SKIVE Balfit® PTFE Convoluted Ferrule

20.TFC.



REFERENCE	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.TFC.08	- 8	12,7	1/2"	32.0	23.5
20.TFC.12	- 12	19,0	3/4"	43.0	32.0
20.TFC.16	- 16	25,4	1"	47.0	38.1
20.TFC.20	- 20	32,0	1-1/4"	59.0	46.0
20.TFC.24	- 24	38,0	1-1/2"	63.0	55.0
20.TFC.32	- 32	50,8	2"	70.0	69.0

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

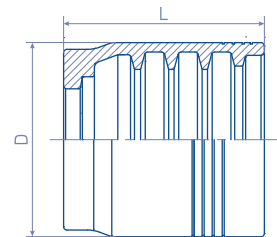
VERSIONS: stainless steel AISI 316

Suitable to be used on PTFE hoses:

BALFLON CONVOLUTED; BALFLON CONVOLUTED BLACK CONDUCTIVE

NON SKIVE Balfit® 4 Spiral Ferrule

20.NS4.



REFERENCE	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.NS4.06	- 6	9,5	3/8"	30.0	29.0
20.NS4.08	- 8	12,7	1/2"	33.5	33.0
20.NS4.10	- 10	16,0	5/8"	35.5	37.0
20.NS4.12	- 12	19,0	3/4"	40.0	42.0
20.NS4.16	- 16	25,4	1"	54.0	48.9
20.NS4.20	- 20	32,0	1-1/4"	61.0	61.0
20.NS4.24	- 24	38,0	1-1/2"	71.0	70.0
20.NS4.32	- 32	50,8	2"	88.0	84.8

MATERIAL: Carbon Steel

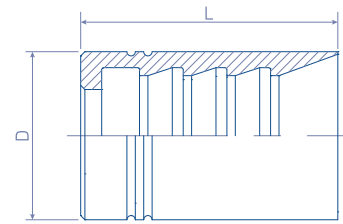
FINISH: Chromium-(VI) Free plating

VERSIONS: stainless steel AISI 316

Suitable to be used on high pressure 4 spiral hoses:

BALMASTER BESTFLEX 4SP; POWERSPIR BESTFLEX 4SH; BALMASTER BESTFLEX R12
POWERSPIR BESTFLEX R13 (DN20 -3/4" & DN25 - 1"); POWERSPIR BESTFLEX R15
(DN20 -3/4" & DN25 - 1")

EXTERNAL SKIVE Balfit® 2 Wire Braid & 4 Spiral Ferrule



20.200.

REFERENCE	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.200.04	- 4	6,3	1/4"	20.0	30.6
20.200.05	- 5	8,0	5/16"	24.0	30.0
20.200.06	- 6	9,5	3/8"	25.0	32.0
20.200.08	- 8	12,7	1/2"	30.0	34.0
20.200.10	- 10	16,0	5/8"	34.0	37.0
20.200.12	- 12	19,0	3/4"	38.0	43.0
20.200.16	- 16	25,4	1"	36.4	50.0
20.200.20	- 20	32,0	1.1/4"	56.0	59.0
20.200.24	- 24	38,0	1.1/2"	62.0	63.1
20.200.32	- 32	50,8	2"	75.1	78.0

MATERIAL: Carbon Steel

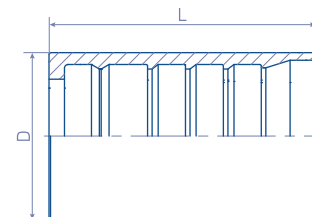
FINISH: Chromium-(VI) Free plating

VERSIONS: stainless steel AISI 316

Suitable to be used on medium and high pressure braided and 4 spiral hoses:

FORZA DUE; FORZA DUE "SHARK SKIN"; FORZA DUE "TROPIC; BALMASTER BESTFLEX 4SP;
2-MAX; 3-MAX; BALWASH 1W; BALWASH 2W

DOUBLE SKIVE Balfit® 4 Spiral Ferrule



20.405.

REFERENCE	hose dash	hose Ø		dimensions (mm)	
		mm	inch	L	D
20.405.20	- 20	31,8	1.1/4"	88.0	55.0
20.405.24	- 24	38,1	1.1/2"	94.0	62.0
20.405.32	- 32	50,8	2"	99.0	78.0

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

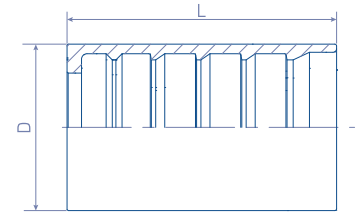
VERSIONS: stainless steel AISI 316

Suitable to be used on high pressure 4 spiral hoses:

POWERSPIR BESTFLEX 4SH



DOUBLE SKIVE Balfit® 4 & 6 Spiral Ferrule



20.406.

REFERENCE	hose	hose Ø		dimensions (mm)	
	dash	mm	inch	L	D
20.406.12	- 12	19,1	3/4"	60.0	38.0
20.406.16	- 16	25,4	1"	74.5	46.0
20.406.20	- 20	31,8	1 1/4"	88.0	60.0
20.406.24	- 24	38,1	1 1/2"	94.0	67.0
20.406.32	- 32	50,8	2"	99.0	84.4

MATERIAL: Carbon Steel

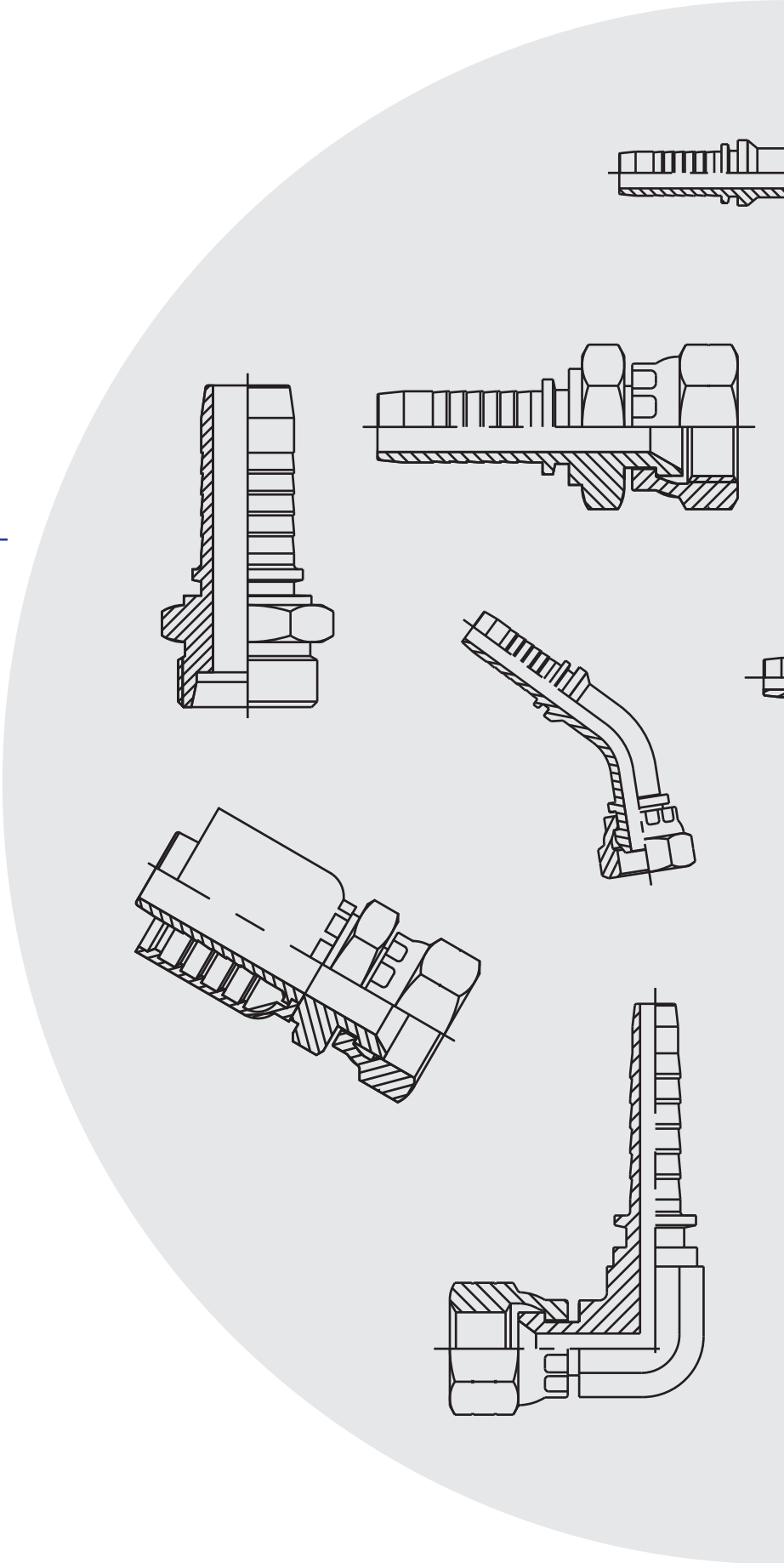
FINISH: Chromium-(VI) Free plating

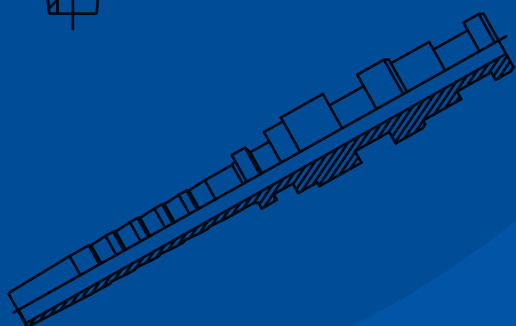
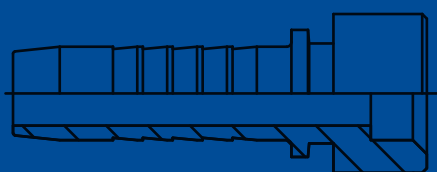
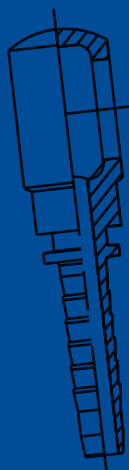
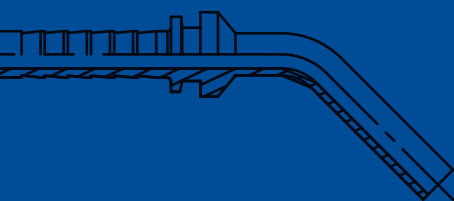
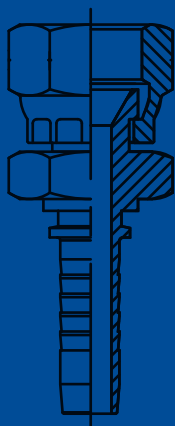
VERSIONS: stainless steel AISI 316

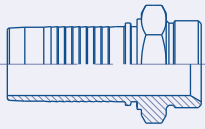
Suitable to be used on high pressure 4 & 6 spiral hoses:

POWERSPIR BESTFLEX 4SH (DN20 -3/4" & DN25 - 1"); POWERSPIR BESTFLEX R13;
POWERSPIR BESTFLEX R15

Standard Hydraulic Fittings







Male BSP Parallel Pipe (AGR)
23.0100

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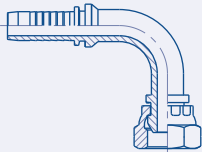
Female BSP Parallel Pipe Swivel (DKR)
23.3012

pag. 32



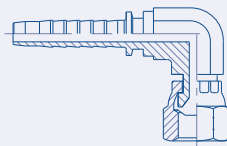
45° Swept Female BSP Parallel Pipe Swivel (DKR 45°)
23.3042

pag. 33



90° Swept Female BSP Parallel Pipe Swivel (DKR 90°)
23.3092

pag. 34



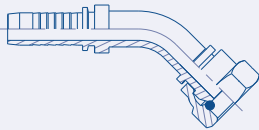
90° Swept Compact Female BSP Parallel Pipe Swivel
23.3082

pag. 35



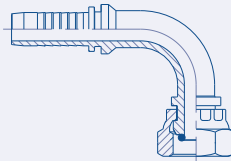
Female BSP Parallel Pipe with O-ring Swivel (DKOR)
23.3112

pag. 35



45° Swept Female BSP Parallel Pipe with O-ring Swivel (DKOR 45°) 23.3142

pag. 36



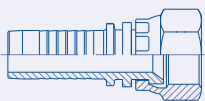
90° Swept Female BSP Parallel Pipe with O-ring Swivel (DKOR 90°) 23.3192

pag. 37



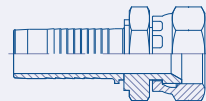
Male JIC 37° (AGJ)
23.2000

pag. 38



Female JIC 37° Swivel (DKJ)
23.4012

pag. 39



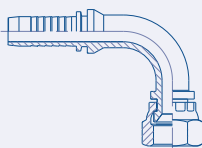
Female JIC 37° Swivel with Back Hexagon
23.4H12

pag. 40



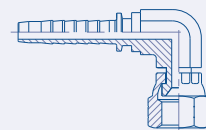
45° Swept Female JIC 37° Swivel (DKJ 45°)
23.4042

pag. 41



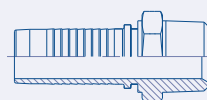
90° Swept Female JIC 37° Swivel (DKJ 90°)
23.4092

pag. 42



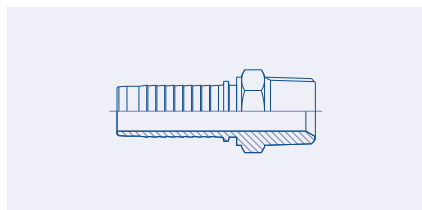
90° Compact Female JIC 37° Swivel
23.4082

pag. 43



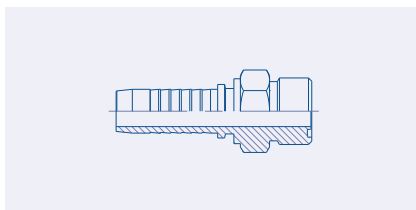
Male NPTF Pipe (AGN)
23.0400

pag. 44



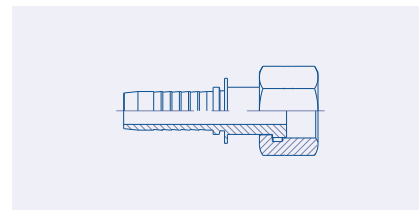
Male BSPT Taper Pipe (AGR-K)
23.0300

pag. 45



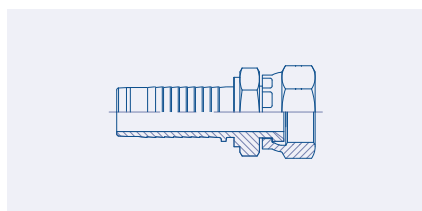
Male ORFS
23.4000

pag. 46



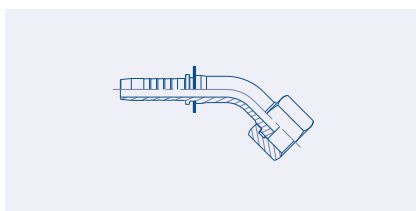
Female ORFS Swivel
23.4414

pag. 47



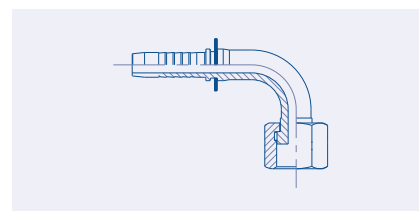
**Female ORFS Swivel
with Back Hexagon**
23.44H4

pag. 48



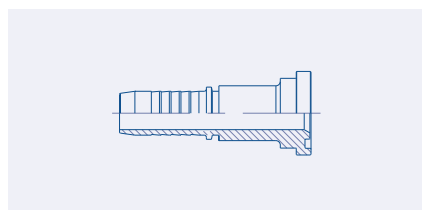
45° Swept Female ORFS Swivel
23.4444

pag. 49



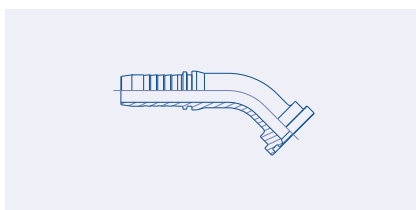
90° Swept Female ORFS Swivel
23.4494

pag. 50



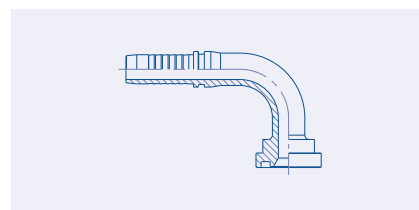
**Straight SAE 3000 PSI
(code 61) Flange (SFL)**
23.7013

pag. 51



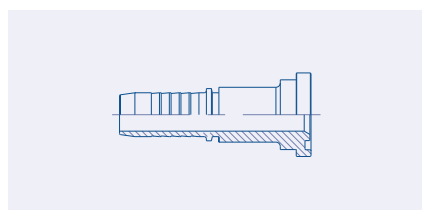
**45° Swept SAE 3000 PSI
(code 61) Flange (SFL 45°)**
23.7043

pag. 52



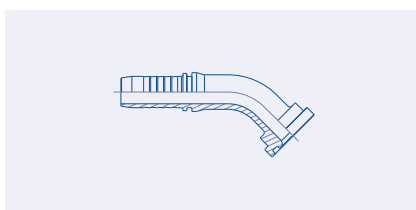
**90° Swept SAE 3000 PSI
(code 61) Flange (SFL 90°)**
23.7093

pag. 53



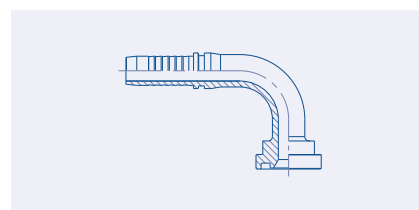
**Straight SAE 6000 PSI
(code 62) Flange (SFS)**
23.7016

pag. 54



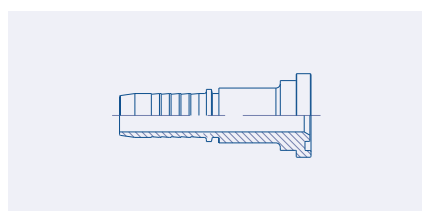
**45° Swept SAE 6000 PSI
(code 62) Flange (SFS 45°)**
23.7046

pag. 55



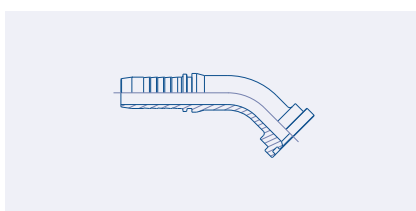
**90° Swept SAE 6000 PSI
(code 62) Flange (SFS 90°)**
23.7096

pag. 56



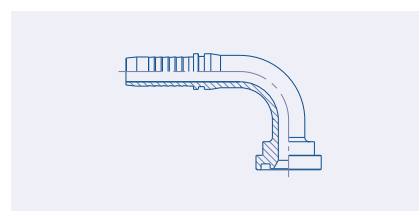
Straight SUPERCAT Flange
23.7116

pag. 57



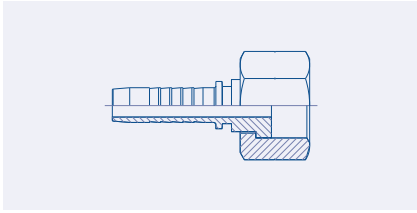
45° Swept SUPERCAT Flange
23.7146

pag. 57



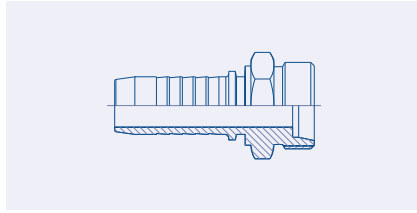
90° Swept SUPERCAT Flange
23.7196

pag. 58



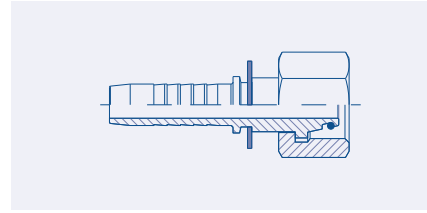
Female BSP Flat Face Swivel
23.3212

pag. 59



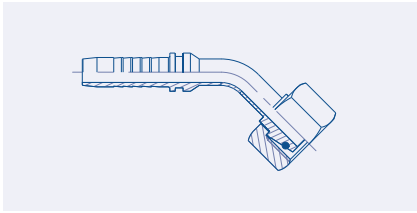
**Male Metric Light Serie 24°
Cone Seat (CEL)**
23.1000

pag. 60



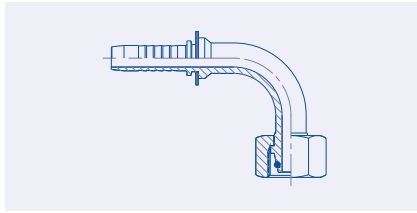
**Female Metric Light Serie 24°
Cone Seat Swivel (DKOL)**
23.5013

pag. 61



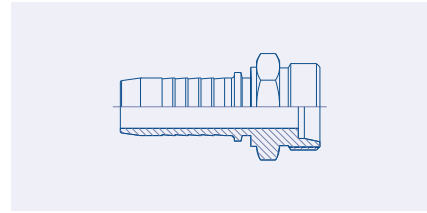
**45° Swept Female Metric Light
Serie 24° Cone Seat Swivel
(DKOL 45)** 23.5043

pag. 62



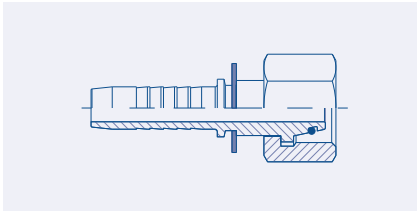
**90° Swept Female Metric Heavy
Serie 24° Cone Seat Swivel
(DKOL 90)** 23.5093

pag. 63



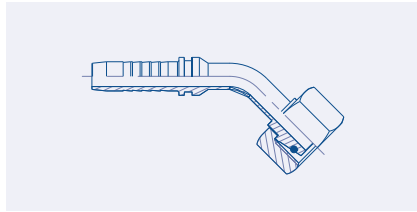
**Male Metric Heavy Serie 24°
Cone Seat (CES)**
23.1100

pag. 64



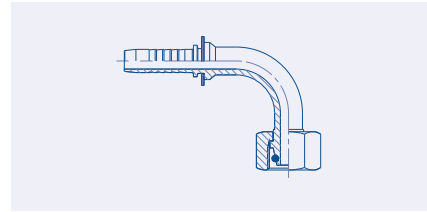
**Female Metric Heavy Serie 24°
Cone Seat Swivel (DKOS)**
23.5113

pag. 65



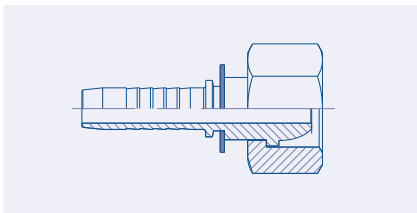
**45° Swept Female Metric Heavy
Serie 24° Cone Seat Swivel
(DKOS 45)** 23.5143

pag. 66



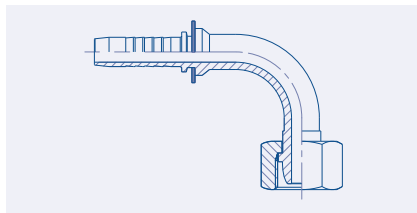
**90° Swept Female Metric Heavy
Serie 24° Cone Seat Swivel
(DKOS 90)** 23.5193

pag. 67



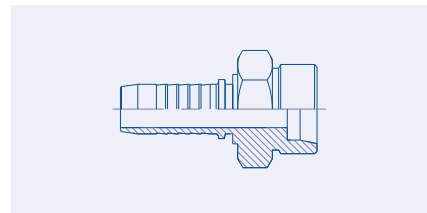
**Female Metric 24°/60°
Cone Seat Swivel (DKL)**
23.5213

pag. 68



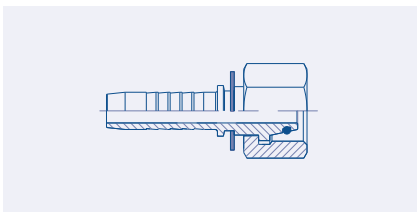
**90° Swept Female Metric
24°/60° Cone Seat Swivel (DKL)**
23.5293

pag. 68



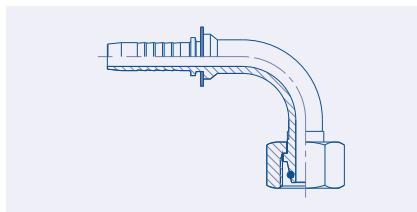
**Male Metric French Serie
24° Cone Seat (AGF)**
23.1200

pag. 69



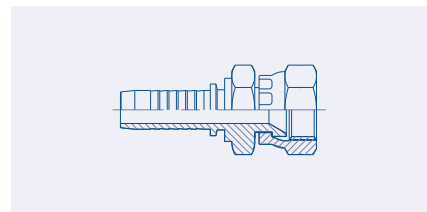
**Female Metric French Serie
24° Cone Seat Swivel (DKF)**
23.5513

pag. 69



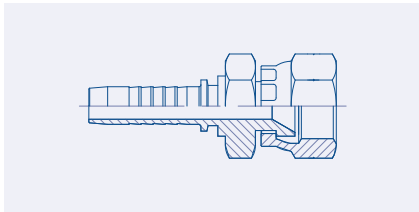
**90° Swept Female Metric French
Serie 24° Cone Seat Swivel
(DKF)** 23.5593

pag. 70



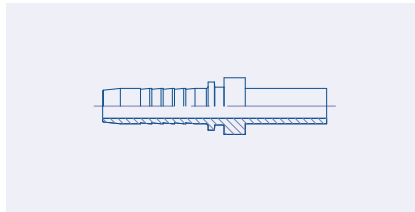
**male JIS 60° Cone Seat Swivel
(TOYOTA)**
23.3712

pag. 70



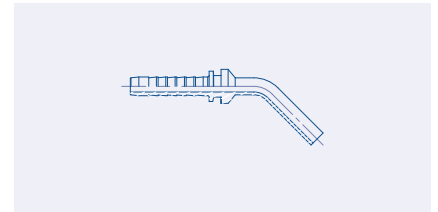
Female JIS 60° Cone Seat Swivel (KOMATSU)
23.5911

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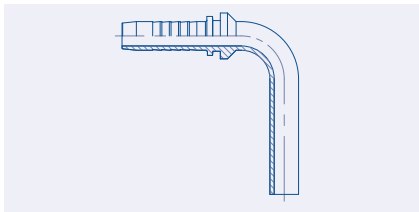
Metric Standpipe (BEL)
23.6000

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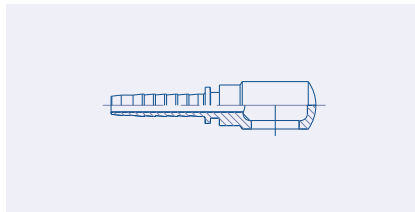
45° Swept Metric Standpipe (BEL 45)
23.6040

pag. 73



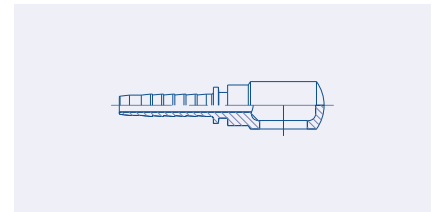
90° Swept Metric Standpipe (BEL 90)
23.6090

pag. 74



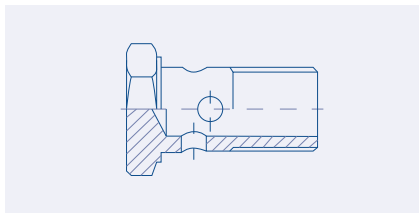
Metric Banjo (RNM)
23.6400

pag. 75



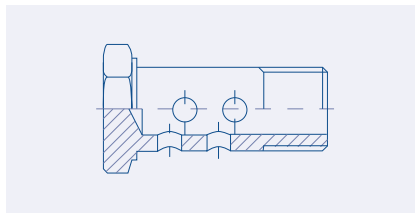
BSP Banjo (RNR)
23.6500

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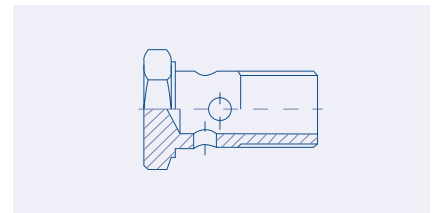
BSP Banjo Bolt
88.1600

pag. 77



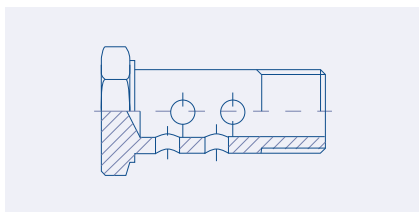
BSP Banjo Double Bolt
88.1602

pag. 77



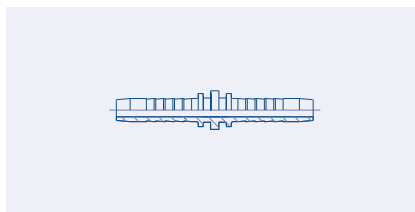
Metric Banjo Bolt
88.1650

pag. 78



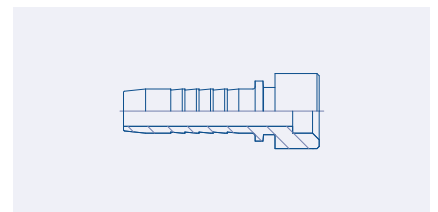
Metric Banjo Double Bolt
88.1652

pag. 78



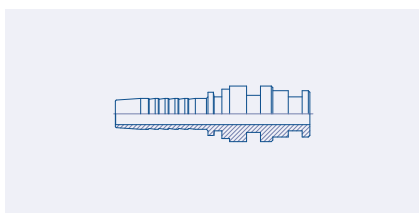
Hose Connector
23.8100

pag. 79



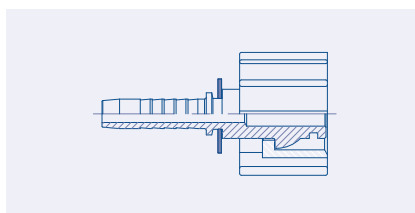
Brazing Tail
23.8150

pag. 79



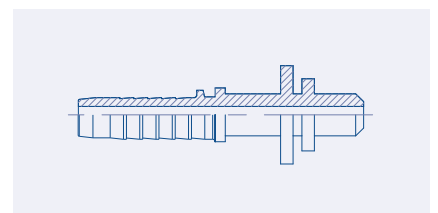
StapleLock Male
23.8300

pag. 80



Balwash Female Swivel (Karcher)
23.6213

pag. 80



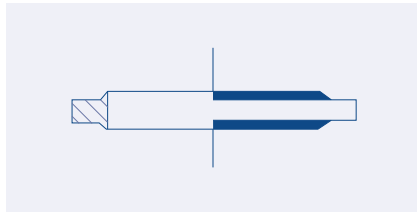
Balwash Standpipe wit O-ring (Karcher)
23.6214

pag. 81



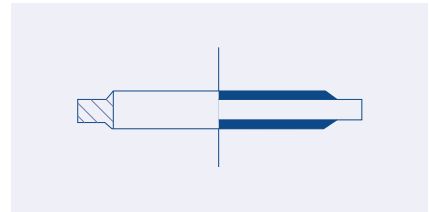
Balwash Rubber Handle
11.800

pag. 81



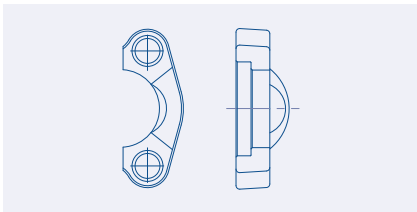
BSP Bonded Seals
88.2003

pag. 82



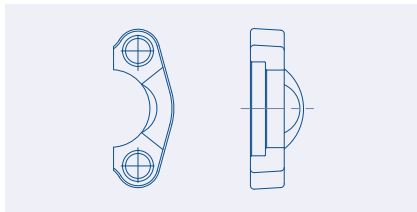
Metric Bonded Seals
88.2004

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Split Flange 3000 PSI (code 61)
88.5300

pag. 83

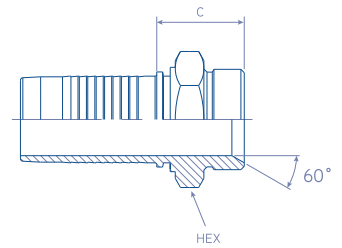


Split Flange 6000 PSI (code 62)
88.5600

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Male BSP Parallel Pipe (AGR)



23.0100.

ISO 12151-6 / ISO 8434-6 / BS 5200

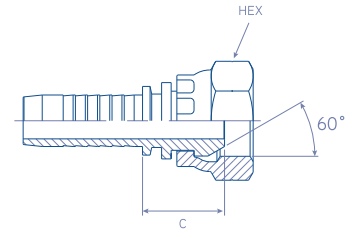
REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.0100.0302	-3	3/16"	1/8" - 28	23.0	14
23.0100.0304	-3	3/16"	1/4" - 19	27.0	19
23.0100.0402	-4	1/4"	1/8" - 28	22.2	14
23.0100.0404	-4	1/4"	1/4" - 19	26.2	19
23.0100.0406	-4	1/4"	3/8" - 19	28.7	22
23.0100.0408	-4	1/4"	1/2" - 14	33.2	27
23.0100.0504	-5	5/16"	1/4" - 19	26.5	19
23.0100.0506	-5	5/16"	3/8" - 19	29.0	22
23.0100.0508	-5	5/16"	1/2" - 14	33.5	27
23.0100.0604	-6	3/8"	1/4" - 19	26.5	19
23.0100.0606	-6	3/8"	3/8" - 19	29.0	22
23.0100.0608	-6	3/8"	1/2" - 14	33.5	27
23.0100.0806	-8	1/2"	3/8" - 19	29.5	22
23.0100.0808	-8	1/2"	1/2" - 14	33.5	27
23.0100.0810	-8	1/2"	5/8" - 14	36.5	30
23.0100.0812	-8	1/2"	3/4" - 14	39.5	32
23.0100.1008	-10	5/8"	1/2" - 14	34.5	27
23.0100.1010	-10	5/8"	5/8" - 14	36.0	30
23.0100.1012	-10	5/8"	3/4" - 14	39.5	32
23.0100.1212	-12	3/4"	3/4" - 14	39.2	32
23.0100.1216	-12	3/4"	1" - 11	44.2	41
23.0100.1616	-16	1"	1" - 11	45.0	41
23.0100.1620	-16	1"	1 1/4" - 11	48.0	50
23.0100.2020	-20	1 1/4"	1 1/4" - 11	49.5	50
23.0100.2024	-20	1 1/4"	1 1/2" - 11	52.0	55
23.0100.2424	-24	1 1/2"	1 1/2" - 11	52.0	55
23.0100.2432	-24	1 1/2"	2" - 11	57.5	70
23.0100.3232	-32	2"	2" - 11	57.5	70

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

Female BSP Parallel Pipe Swivel (DKR)



23.3012.

ISO 12151-6 / ISO 8434-6 / BS 5200

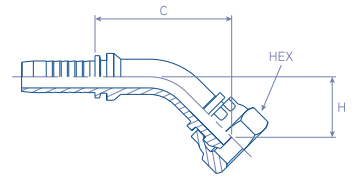
REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.3012.0302	-3	3/16"	1/8" - 28	16.0	14
23.3012.0304	-3	3/16"	1/4" - 19	18.5	19
23.3012.0402	-4	1/4"	1/8" - 28	15.2	14
23.3012.0404	-4	1/4"	1/4" - 19	17.7	19
23.3012.0406	-4	1/4"	3/8" - 19	18.7	22
23.3012.0408	-4	1/4"	1/2" - 14	20.7	27
23.3012.0504	-5	5/16"	1/4" - 19	18.0	19
23.3012.0506	-5	5/16"	3/8" - 19	19.5	22
23.3012.0508	-5	5/16"	1/2" - 14	21.0	27
23.3012.0604	-6	3/8"	1/4" - 19	18.0	19
23.3012.0606	-6	3/8"	3/8" - 19	19.5	22
23.3012.0608	-6	3/8"	1/2" - 14	21.0	27
23.3012.0806	-8	1/2"	3/8" - 19	19.5	22
23.3012.0808	-8	1/2"	1/2" - 14	21.5	27
23.3012.0810	-8	1/2"	5/8" - 14	22.0	30
23.3012.0812	-8	1/2"	3/4" - 14	21.0	27
23.3012.1008	-10	5/8"	1/2" - 14	22.5	27
23.3012.1010	-10	5/8"	5/8" - 14	23.0	30
23.3012.1012	-10	5/8"	3/4" - 14	23.5	32
23.3012.1212	-12	3/4"	3/4" - 14	23.7	32
23.3012.1216	-12	3/4"	1" - 11	22.7	38
23.3012.1616	-16	1"	1" - 11	26.5	38
23.3012.1620	-16	1"	1.1/4" - 11	29.0	50
23.3012.2020	-20	1.1/4"	1.1/4" - 11	30.5	50
23.3012.2024	-20	1.1/4"	1.1/2" - 11	30.0	55
23.3012.2424	-24	1.1/2"	1.1/2" - 11	32.0	55
23.3012.2432	-24	1.1/2"	2" - 11	34.0	70
23.3012.3232	-32	2"	2" - 11	34.0	70
23.3012.4040	-40	2.1/2"	2.1/2" - 11	41.0	90
23.3012.4848	-48	3"	3" - 11	47.0	100

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

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)
NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)



45° Swept Female BSP Parallel Pipe Swivel (DKR 45°)



23.3042.

ISO 12151-6 / ISO 8434-6 / BS 5200

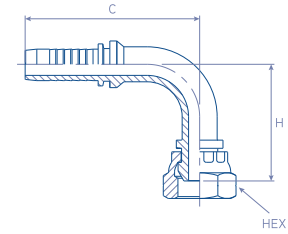
REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.3042.0302	-3	3/16"	1/8" - 28	30.0	12.5	14
23.3042.0304	-3	3/16"	1/4" - 19	33.5	13.0	19
23.3042.0402	-4	1/4"	1/8" - 28	29.0	12.5	14
23.3042.0404	-4	1/4"	1/4" - 19	33.5	13.0	19
23.3042.0406	-4	1/4"	3/8" - 19	34.2	14.4	22
23.3042.0408	-4	1/4"	1/2" - 14	38.0	16.0	27
23.3042.0504	-5	5/16"	1/4" - 19	33.5	13.0	19
23.3042.0506	-5	5/16"	3/8" - 19	42.5	19.0	22
23.3042.0508	-5	5/16"	1/2" - 14	42.5	19.0	27
23.3042.0604	-6	3/8"	1/4" - 19	33.5	13.0	19
23.3042.0606	-6	3/8"	3/8" - 19	40.0	14.7	22
23.3042.0608	-6	3/8"	1/2" - 14	38.6	15.8	27
23.3042.0806	-8	1/2"	3/8" - 19	34.2	15.0	22
23.3042.0808	-8	1/2"	1/2" - 14	46.0	18.0	27
23.3042.0810	-8	1/2"	5/8" - 14	55.0	23.0	27
23.3042.0812	-8	1/2"	3/4" - 14	56.0	24.0	32
23.3042.1008	-10	5/8"	1/2" - 14	46.5	18.0	27
23.3042.1010	-10	5/8"	5/8" - 14	60.5	23.3	27
23.3042.1012	-10	5/8"	3/4" - 14	64.0	26.9	32
23.3042.1212	-12	3/4"	3/4" - 14	67.5	24.5	32
23.3042.1216	-12	3/4"	1" - 11	70.0	26.0	38
23.3042.1616	-16	1"	1" - 11	83.6	33.8	38
23.3042.1620	-16	1"	1 1/4" - 11	92.3	41.7	50
23.3042.2020	-20	1 1/4"	1 1/4" - 11	97.0	37.5	50
23.3042.2024	-20	1 1/4"	1 1/2" - 11	102.0	42.0	55
23.3042.2424	-24	1 1/2"	1 1/2" - 11	119.0	49.2	55
23.3042.2432	-24	1 1/2"	2" - 11	125.0	55.0	70
23.3042.3232	-32	2"	2" - 11	149.8	60.0	70

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

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

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

90° Swept Female BSP Parallel Pipe Swivel (DKR 90°)



23.3092.

ISO 12151-6 / ISO 8434-6 / BS 5200

	hose	hose Ø	thread	C cut off	H	HEX
REFERENCE	dash	inch	inch	mm	mm	mm
23.3092.0302	-3	3/16"	1/8" - 28	25.5	26.0	14
23.3092.0304	-3	3/16"	1/4" - 19	25.5	26.0	19
23.3092.0402	-4	1/4"	1/8" - 28	26.7	26.5	14
23.3092.0404	-4	1/4"	1/4" - 19	27.6	27,5	19
23.3092.0406	-4	1/4"	3/8" - 19	28.0	29,5	22
23.3092.0408	-4	1/4"	1/2" - 14	30.0	30.0	27
23.3092.0504	-5	5/16"	1/4" - 19	32.0	30.0	19
23.3092.0506	-5	5/16"	3/8" - 19	32.5	30.5	22
23.3092.0508	-5	5/16"	1/2" - 14	30.0	30.0	27
23.3092.0604	-6	3/8"	1/4" - 19	28.0	29,5	19
23.3092.0606	-6	3/8"	3/8" - 19	33.0	31,5	22
23.3092.0608	-6	3/8"	1/2" - 14	34.0	31,5	27
23.3092.0806	-8	1/2"	3/8" - 19	35.0	35.0	22
23.3092.0808	-8	1/2"	1/2" - 14	39,5	38,5	27
23.3092.0810	-8	1/2"	5/8" - 14	45.0	42.0	27
23.3092.0812	-8	1/2"	3/4" - 14	54.0	55.0	32
23.3092.1008	-10	5/8"	1/2" - 14	54.0	48.0	27
23.3092.1010	-10	5/8"	5/8" - 14	54.0	50.0	27
23.3092.1012	-10	5/8"	3/4" - 14	54.0	55.0	32
23.3092.1212	-12	3/4"	3/4" - 14	55,5	55.0	32
23.3092.1216	-12	3/4"	1" - 11	60,5	64.0	38
23.3092.1616	-16	1"	1" - 11	71,5	71.0	38
23.3092.1620	-16	1"	1 1/4" - 11	79,5	79,5	50
23.3092.2020	-20	1 1/4"	1 1/4" - 11	85,5	77.0	50
23.3092.2024	-20	1 1/4"	1 1/2" - 11	91,5	92.0	55
23.3092.2424	-24	1 1/2"	1 1/2" - 11	102.0	100.0	55
23.3092.2432	-24	1 1/2"	2" - 11	110.0	110.0	70
23.3092.3232	-32	2"	2" - 11	132.3	128.0	70

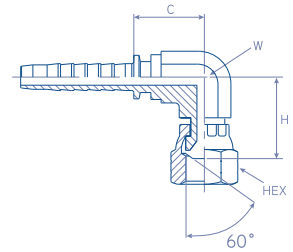
MATERIAL: Carbon Steel
FINISH: Chromium-(VI) Free plating

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

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)



90° Swept Compact Female BSP Parallel Pipe Swivel



23.3082.

ISO 12151-6 / ISO 8434-6 / BS 5200

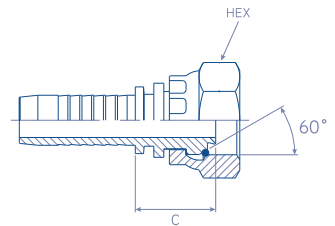
	hose	hose Ø	thread	C cut off	H	W	HEX
REFERENCE	dash	inch	inch	mm	mm	mm	mm
23.3082.0404	-4	1/4"	1/4" - 19	17.5	23.5	11	19
23.3082.0606	-6	3/8"	3/8" - 19	21.5	25.5	16	22
23.3082.0808	-8	1/2"	1/2" - 14	25.5	28.0	19	27
23.3082.1010	-10	5/8"	5/8" - 14	22.5	27.0	22	30
23.3082.1212	-12	3/4"	3/4" - 14	26.5	36.0	27	32
23.3082.1616	-16	1"	1" - 11	30.5	34.5	33	38

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

Female BSP Parallel Pipe with O-ring Swivel (DKOR)



23.3112.

ISO 12151-6 / ISO 8434-6 / BS 5200

	hose	hose Ø	thread	C cut off	HEX
REFERENCE	dash	inch	inch	mm	mm
23.3112.0404	-4	1/4"	1/4" - 19	17.7	19
23.3112.0606	-6	3/8"	3/8" - 19	19.5	22
23.3112.0808	-8	1/2"	1/2" - 14	21.5	27
23.3112.1010	-10	5/8"	5/8" - 14	23.0	30
23.3112.1212	-12	3/4"	3/4" - 14	23.7	32
23.3112.1216	-12	3/4"	1" - 11	22.7	38
23.3112.1616	-16	1"	1" - 11	26.5	38
23.3112.1620	-16	1"	1 1/4" - 11	29.0	50
23.3112.2020	-20	1 1/4"	1 1/4" - 11	30.5	50
23.3112.2024	-20	1 1/4"	1 1/2" - 11	30.0	55
23.3112.2424	-24	1 1/2"	1 1/2" - 11	32.0	55
23.3112.2432	-24	1 1/2"	2" - 11	34.0	70
23.3112.3232	-32	2"	2" - 11	34.0	70

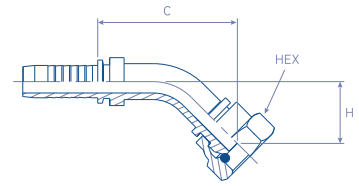
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

45° Swept Female BSP Parallel Pipe with O-ring Swivel (DKOR 45°)



23.3142.

ISO 12151-6 / ISO 8434-6 / BS 5200

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.3142.0404	-4	1/4"	1/4" - 19	33.5	13.0	19
23.3142.0606	-6	3/8"	3/8" - 19	40.0	14.7	22
23.3142.0808	-8	1/2"	1/2" - 14	46.0	18.0	27
23.3142.1010	-10	5/8"	5/8" - 14	60.5	23.3	27
23.3142.1212	-12	3/4"	3/4" - 14	67.5	24.5	32
23.3142.1216	-12	3/4"	1" - 11	70.0	26.0	38
23.3142.1616	-16	1"	1" - 11	83.6	33.8	38
23.3142.1620	-16	1"	1 1/4" - 11	92.3	41.7	50
23.3142.2020	-20	1 1/4"	1 1/4" - 11	97.0	37.5	50
23.3142.2024	-20	1 1/4"	1 1/2" - 11	102.0	42.0	55
23.3142.2424	-24	1 1/2"	1 1/2" - 11	119.0	49.2	55
23.3142.2432	-24	1 1/2"	2" - 11	125.0	55.0	70
23.3142.3232	-32	2"	2" - 11	149.8	60.0	70

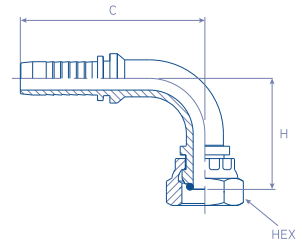
MATERIAL: Carbon Steel
FINISH: Chromium-(VI) Free plating

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

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)



90° Swept Female BSP Parallel Pipe with O-ring Swivel (DKOR 90°)



23.3192.

ISO 12151-6 / ISO 8434-6 / BS 5200

	hose	hose Ø	thread	C cut off	H	HEX
REFERENCE	dash	inch	inch	mm	mm	mm
23.3192.0404	-4	1/4"	1/4" - 19	27.6	27,5	19
23.3192.0606	-6	3/8"	3/8" - 19	33.0	31.5	22
23.3192.0808	-8	1/2"	1/2" - 14	39.5	38.5	27
23.3192.1010	-10	5/8"	5/8" - 14	54.0	50.0	27
23.3192.1212	-12	3/4"	3/4" - 14	55.5	55.0	32
23.3192.1216	-12	3/4"	1" - 11	60.5	64.0	38
23.3192.1616	-16	1"	1" - 11	71.5	71.0	38
23.3192.1620	-16	1"	1.1/4" - 11	79.5	79,5	50
23.3192.2020	-20	1.1/4"	1.1/4" - 11	85.5	77.0	50
23.3192.2024	-20	1.1/4"	1.1/2" - 11	91.5	92.0	55
23.3192.2424	-24	1.1/2"	1.1/2" - 11	102.0	100.0	55
23.3192.2432	-24	1.1/2"	2" - 11	110.0	110.0	70
23.3192.3232	-32	2"	2" - 11	132.3	128.0	70

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

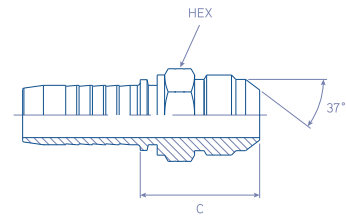
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

Male JIC 37° (AGJ)

23.2000.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514



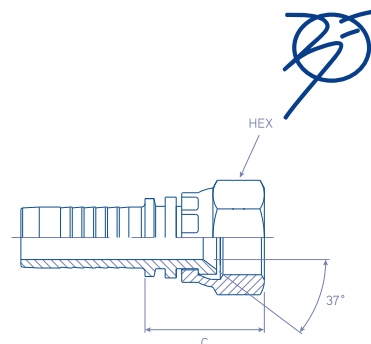
REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.2000.0304	-3	3/16"	7/16" - 20	26.5	12
23.2000.0404	-4	1/4"	7/16" - 20	25.7	12
23.2000.0405	-4	1/4"	1/2" - 20	26.2	14
23.2000.0406	-4	1/4"	9/16" - 18	26.2	17
23.2000.0505	-5	5/16"	1/2" - 20	26.5	14
23.2000.0506	-5	5/16"	9/16" - 18	27.1	17
23.2000.0606	-6	3/8"	9/16" - 18	27.1	17
23.2000.0607	-6	3/8"	5/8" - 18	27.1	17
23.2000.0608	-6	3/8"	3/4" - 16	30.7	19
23.2000.0610	-6	3/8"	7/8" - 14	35.3	24
23.2000.0808	-8	1/2"	3/4" - 16	31.2	19
23.2000.0810	-8	1/2"	7/8" - 14	35.8	24
23.2000.0812	-8	1/2"	1.1/16" - 12	39.4	27
23.2000.1008	-10	5/8"	3/4" - 16	33.7	24
23.2000.1010	-10	5/8"	7/8" - 14	37.3	24
23.2000.1012	-10	5/8"	1.1/16" - 12	40.9	27
23.2000.1210	-12	3/4"	7/8" - 14	37.5	27
23.2000.1212	-12	3/4"	1.1/16" - 12	40.6	27
23.2000.1214	-12	3/4"	1.3/16" - 12	43.3	32
23.2000.1216	-12	3/4"	1.5/16" - 12	46.0	36
23.2000.1616	-16	1"	1.5/16" - 12	46.8	36
23.2000.1620	-16	1"	1.5/8" - 12	49.0	46
23.2000.2020	-20	1.1/4"	1.5/8" - 12	52.3	46
23.2000.2024	-20	1.1/4"	1.7/8" - 12	55.0	50
23.2000.2424	-24	1.1/2"	1.7/8" - 12	55.0	50
23.2000.2432	-24	1.1/2"	2.1/2" - 12	65.9	65
23.2000.3232	-32	2"	2.1/2" - 12	65.9	65

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

Female JIC 37° Swivel (DKJ)



23.4012.

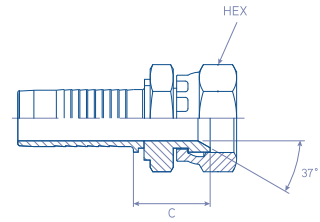
ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.4012.0304	-3	3/16"	7/16" - 20	15.0	14
23.4012.0404	-4	1/4"	7/16" - 20	14.7	14
23.4012.0405	-4	1/4"	1/2" - 20	15.2	17
23.4012.0406	-4	1/4"	9/16" - 18	15.2	19
23.4012.0505	-5	5/16"	1/2" - 20	15.5	17
23.4012.0506	-5	5/16"	9/16" - 18	15.5	19
23.4012.0507	-5	5/16"	5/8" - 18	17.0	22
23.4012.0606	-6	3/8"	9/16" - 18	15.5	19
23.4012.0607	-6	3/8"	5/8" - 18	17.0	22
23.4012.0608	-6	3/8"	3/4" - 16	17.5	22
23.4012.0610	-6	3/8"	7/8" - 14	18.5	27
23.4012.0806	-8	1/2"	9/16" - 18	16.0	19
23.4012.0808	-8	1/2"	3/4" - 16	18.5	22
23.4012.0810	-8	1/2"	7/8" - 14	19.0	27
23.4012.0812	-8	1/2"	1.1/16" - 12	20.5	32
23.4012.1008	-10	5/8"	3/4" - 16	19.0	22
23.4012.1010	-10	5/8"	7/8" - 14	19.5	27
23.4012.1012	-10	5/8"	1.1/16" - 12	21.0	32
23.4012.1210	-12	3/4"	7/8" - 14	19.7	27
23.4012.1212	-12	3/4"	1.1/16" - 12	21.2	32
23.4012.1214	-12	3/4"	1.3/16" - 12	21.2	38
23.4012.1216	-12	3/4"	1.5/16" - 12	21.7	38
23.4012.1612	-16	1"	1.1/16" - 12	22.5	32
23.4012.1616	-16	1"	1.5/16" - 12	22.5	38
23.4012.1620	-16	1"	1.5/8" - 12	23.5	50
23.4012.2020	-20	1.1/4"	1.5/8" - 12	25.0	50
23.4012.2024	-20	1.1/4"	1.7/8" - 12	26.0	57
23.4012.2424	-24	1.1/2"	1.7/8" - 12	26.0	57
23.4012.2432	-24	1.1/2"	2.1/2" - 12	30.5	75
23.4012.3232	-32	2"	2.1/2" - 12	31.5	75

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

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)
NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

Female JIC 37° Swivel with Back Hexagon



23.4H12.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	W mm	HEX mm
23.4H12.0304	-3	3/16"	7/16" - 20	21.5	12	14
23.4H12.0404	-4	1/4"	7/16" - 20	20.7	14	14
23.4H12.0405	-4	1/4"	1/2" - 20	20.7	14	16
23.4H12.0406	-4	1/4"	9/16" - 18	22.7	14	19
23.4H12.0506	-5	5/16"	9/16" - 18	22.7	14	19
23.4H12.0606	-6	3/8"	9/16" - 18	21.0	17	19
23.4H12.0607	-6	3/8"	5/8" - 18	26.3	19	22
23.4H12.0608	-6	3/8"	3/4" - 16	26.3	19	22
23.4H12.0610	-6	3/8"	7/8" - 14	28.0	22	27
23.4H12.0808	-8	1/2"	3/4" - 16	26.0	22	22
23.4H12.0810	-8	1/2"	7/8" - 14	29.0	22	27
23.4H12.0812	-8	1/2"	1.1/16" - 12	33.0	25	32
23.4H12.1010	-10	5/8"	7/8" - 14	28.5	22	27
23.4H12.1012	-10	5/8"	1.1/16" - 12	33.5	27	32
23.4H12.1212	-12	3/4"	1.1/16" - 12	33.7	27	32
23.4H12.1214	-12	3/4"	1.3/16" - 12	35.2	32	38
23.4H12.1216	-12	3/4"	1.5/16" - 12	35.2	32	38
23.4H12.1616	-16	1"	1.5/16" - 12	35.5	32	38
23.4H12.1620	-16	1"	1.5/8" - 12	40.5	42	50
23.4H12.2020	-20	1.1/4"	1.5/8" - 12	42.0	42	50
23.4H12.2424	-24	1.1/2"	1.7/8" - 12	45.0	50	57
23.4H12.3232	-32	2"	2.1/2" - 12	49.0	64	75

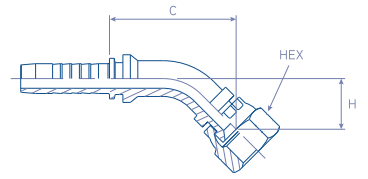
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE) / 5/8" - 18 is 45° flared



45° Swept Female JIC 37° Swivel (DKJ 45°)



23.4042.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514

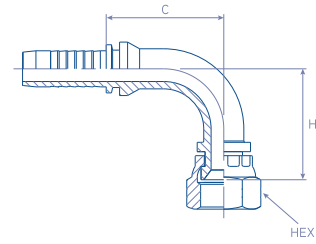
REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.4042.0304	-3	3/16"	7/16" - 20	25.0	14.5	14
23.4042.0404	-4	1/4"	7/16" - 20	35.0	14.5	14
23.4042.0405	-4	1/4"	1/2" - 20	35.0	14.5	16
23.4042.0406	-4	1/4"	9/16" - 18	35.0	13.0	19
23.4042.0505	-5	5/16"	1/2" - 20	35.0	14.5	16
23.4042.0506	-5	5/16"	9/16" - 18	38.5	14.5	19
23.4042.0606	-6	3/8"	9/16" - 18	38.5	14.5	19
23.4042.0607	-6	3/8"	5/8" - 18	39.5	15.5	22
23.4042.0608	-6	3/8"	3/4" - 16	50.0	15.5	22
23.4042.0610	-6	3/8"	7/8" - 14	40.5	16.5	27
23.4042.0808	-8	1/2"	3/4" - 16	44.4	17.5	22
23.4042.0810	-8	1/2"	7/8" - 14	50.5	21.3	27
23.4042.0812	-8	1/2"	1.1/16" - 12	59.0	25.0	32
23.4042.1010	-10	5/8"	7/8" - 14	52.0	25.0	27
23.4042.1012	-10	5/8"	1.1/16" - 12	64.0	26.5	32
23.4042.1212	-12	3/4"	1.1/16" - 12	67.5	27.0	32
23.4042.1214	-12	3/4"	13/16" - 12	68.0	28.0	38
23.4042.1216	-12	3/4"	1.5/16" - 12	72.0	30.0	38
23.4042.1616	-16	1"	1.5/16" - 12	83.5	32.0	38
23.4042.1620	-16	1"	1.5/8" - 12	83.0	36.0	50
23.4042.2020	-20	1.1/4"	1.5/8" - 12	97.0	37.0	50
23.4042.2424	-24	1.1/2"	1.7/8" - 12	102.0	38.0	57
23.4042.2432	-24	1.1/2"	2.1/2" - 12	119.0	49.2	57
23.4042.3232	-32	2"	2.1/2" - 12	152.0	69.0	75

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

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

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W) / 5/8" - 18 is 45° flared

90° Swept Female JIC 37° Swivel (DKJ 90°)



23.4092.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514

	hose	hose Ø	thread	C cut off	H	HEX
REFERENCE	dash	inch	inch	mm	mm	mm
23.4092.0304	-3	3/16"	7/16" - 20	27.2	29.0	14
23.4092.0404	-4	1/4"	7/16" - 20	30.0	31.0	14
23.4092.0405	-4	1/4"	1/2" - 20	30.8	30.0	16
23.4092.0406	-4	1/4"	9/16" - 18	28.2	28.0	19
23.4092.0505	-5	5/16"	1/2" - 20	32.0	33.0	17
23.4092.0506	-5	5/16"	9/16" - 18	27.0	23.5	19
23.4092.0507	-5	5/16"	5/8" - 18	32.0	30.0	22
23.4092.0606	-6	3/8"	9/16" - 18	34.0	30.0	19
23.4092.0607	-6	3/8"	5/8" - 18	34.0	30.0	22
23.4092.0608	-6	3/8"	3/4" - 16	35.0	30.0	22
23.4092.0610	-6	3/8"	7/8" - 14	37.1	38.0	27
23.4092.0808	-8	1/2"	3/4" - 16	39.5	38.0	22
23.4092.0810	-8	1/2"	7/8" - 14	36.8	40.5	27
23.4092.0812	-8	1/2"	1.1/16" - 12	46.5	51.0	32
23.4092.1010	-10	5/8"	7/8" - 14	54.0	52.0	27
23.4092.1012	-10	5/8"	1.1/16" - 12	54.0	55.0	32
23.4092.1210	-12	3/4"	7/8" - 14	54.2	55.0	27
23.4092.1212	-12	3/4"	1.1/16" - 12	55.5	55.0	32
23.4092.1214	-12	3/4"	1.3/16" - 12	55.5	57.0	38
23.4092.1216	-12	3/4"	1.5/16" - 12	55.5	60.0	38
23.4092.1616	-16	1"	1.5/16" - 12	71.5	71.0	38
23.4092.1620	-16	1"	1.5/8" - 12	79.5	79.5	50
23.4092.2020	-20	1.1/4"	1.5/8" - 12	85.5	77.0	50
23.4092.2024	-20	1.1/4"	1.7/8" - 12	86.5	90.0	57
23.4092.2424	-24	1.1/2"	1.7/8" - 12	102.0	100.0	57
23.4092.2432	-24	1.1/2"	2.1/2" - 12	118.0	120.0	75
23.4092.3232	-32	2"	2.1/2" - 12	130.5	140.0	75

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

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

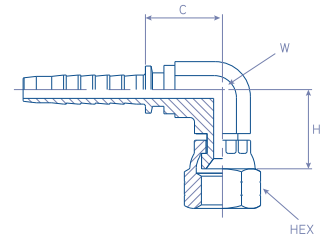
NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W) / 5/8" - 18 is 45° flared



90° Compact Female JIC 37° Swivel

23.4082.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.4082.0404	-4	1/4"	7/16" - 20	18.5	19.6	14
23.4082.0405	-4	1/4"	1/2" - 20	18.5	21.5	16
23.4082.0406	-4	1/4"	9/16" - 18	18.5	21.8	19
23.4082.0606	-6	3/8"	9/16" - 18	21.5	25.5	19
23.4082.0608	-6	3/8"	3/4" - 16	21.5	26.5	22
23.4082.0808	-8	1/2"	3/4" - 16	25.5	29.5	22
23.4082.0810	-8	1/2"	7/8" - 14	25.5	28	27
23.4082.1212	-12	3/4"	1.1/16" - 12	28.5	30.7	32
23.4082.1616	-16	1"	1.5/16" - 12	30.5	33.5	38

MATERIAL: Carbon Steel

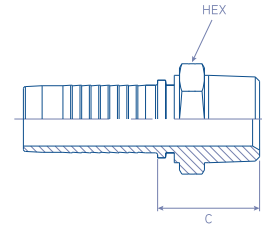
FINISH: Chromium-(VI) Free plating

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

Male NPTF Pipe (AGN)

23.0400.

SAE J516 / SAE J476A



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.0400.0302	-3	3/16"	1/8" - 27	22.5	12
23.0400.0304	-3	3/16"	1/4" - 18	28.0	14
23.0400.0402	-4	1/4"	1/8" - 27	21.7	12
23.0400.0404	-4	1/4"	1/4" - 18	27.7	14
23.0400.0406	-4	1/4"	3/8" - 18	28.7	17
23.0400.0408	-4	1/4"	1/2" - 14	34.2	22
23.0400.0504	-5	5/16"	1/4" - 18	28.0	17
23.0400.0506	-5	5/16"	3/8" - 18	30.5	19
23.0400.0604	-6	3/8"	1/4" - 18	28.0	17
23.0400.0606	-6	3/8"	3/8" - 18	30.5	19
23.0400.0608	-6	3/8"	1/2" - 14	34.5	22
23.0400.0806	-8	1/2"	3/8" - 18	31.0	19
23.0400.0808	-8	1/2"	1/2" - 14	35.0	22
23.0400.0812	-8	1/2"	3/4" - 14	37.5	27
23.0400.1008	-10	5/8"	1/2" - 14	36.0	24
23.0400.1012	-10	5/8"	3/4" - 14	39.0	27
23.0400.1208	-12	3/4"	1/2" - 14	38.2	27
23.0400.1212	-12	3/4"	3/4" - 14	38.7	27
23.0400.1216	-12	3/4"	1" - 11 1/2	47.2	36
23.0400.1612	-16	1"	3/4" - 14	41.5	35
23.0400.1616	-16	1"	1" - 11 1/2	48.5	36
23.0400.1620	-16	1"	1 1/4" - 11 1/2	52.0	46
23.0400.2020	-20	1 1/4"	1 1/4" - 11 1/2	53.5	46
23.0400.2024	-20	1 1/4"	1 1/2" - 11 1/2	55.5	50
23.0400.2424	-24	1 1/2"	1 1/2" - 11 1/2	53.0	50
23.0400.2432	-24	1 1/2"	2" - 11 1/2	58.5	65
23.0400.3232	-32	2"	2" - 11 1/2	58.5	65

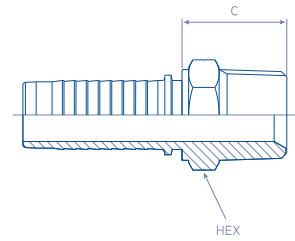
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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



Male BSPT Taper Pipe (AGR-K)



23.0300.

BS 5200

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.0300.0302	-3	3/16"	1/8" - 28	22.5	12
23.0300.0304	-3	3/16"	1/4" - 19	27.5	14
23.0300.0402	-4	1/4"	1/8" - 28	21.7	12
23.0300.0404	-4	1/4"	1/4" - 19	26.7	14
23.0300.0406	-4	1/4"	3/8" - 19	27.7	17
23.0300.0606	-6	3/8"	3/8" - 19	30.5	19
23.0300.0608	-6	3/8"	1/2" - 14	34.5	22
23.0300.0808	-8	1/2"	1/2" - 14	35.0	22
23.0300.1212	-12	3/4"	3/4" - 14	38.7	27
23.0300.1616	-16	1"	1" - 14	48.0	36
23.0300.2020	-20	1.1/4"	1.1/4" - 11	53.0	46
23.0300.2424	-24	1.1/2"	1.1/2" - 11	54.5	50
23.0300.3232	-32	2"	2" - 11	61.0	65

MATERIAL: Carbon Steel

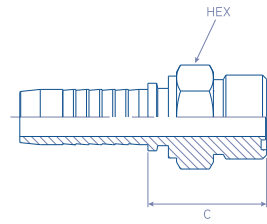
FINISH: Chromium-(VI) Free plating

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

Male ORFS

23.4000.

ISO 12151-1 / ISO 8434-3 / SAE J516



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.4000.0404	-4	1/4"	9/16" - 18	22.5	17
23.4000.0406	-4	1/4"	11/16" - 16	24.9	19
23.4000.0506	-5	5/16"	11/16" - 16	25.2	19
23.4000.0606	-6	3/8"	11/16" - 16	25.2	19
23.4000.0608	-6	3/8"	13/16" - 16	28.0	22
23.4000.0808	-8	1/2"	13/16" - 16	28.8	22
23.4000.0810	-8	1/2"	1" - 14	33.0	27
23.4000.0812	-8	1/2"	1.3/16" - 14	37.0	32
23.4000.1010	-10	5/8"	1" - 14	34.0	27
23.4000.1012	-10	5/8"	1.3/16" - 14	37.5	32
23.4000.1212	-12	3/4"	1.3/16" - 14	37.7	32
23.4000.1216	-12	3/4"	1.7/16" - 12	40.7	41
23.4000.1616	-16	1"	1.7/16" - 12	42.5	41
23.4000.2020	-20	1.1/4"	1.11/16" - 12	44.5	46
23.4000.2424	-24	1.1/2"	2" - 12	46.5	55

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

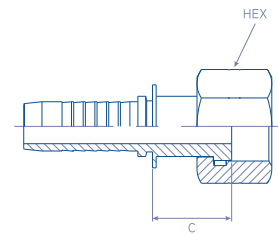
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



Female ORFS Swivel

23.4414.

ISO 12151-1 / ISO 8434-3 / SAE J516



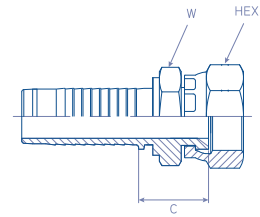
REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.4414.0404	-4	1/4"	9/16" - 18	20.0	17
23.4414.0406	-4	1/4"	11/16" - 16	23.2	22
23.4414.0506	-5	5/16"	11/16" - 16	23.5	22
23.4414.0606	-6	3/8"	11/16" - 16	24.5	22
23.4414.0608	-6	3/8"	13/16" - 16	25.0	24
23.4414.0808	-8	1/2"	13/16" - 16	26.5	24
23.4414.0810	-8	1/2"	1" - 14	29.5	30
23.4414.0812	-8	1/2"	1.3/16" - 14	30.5	36
23.4414.1008	-10	5/8"	13/16" - 16	29.0	24
23.4414.1010	-10	5/8"	1" - 14	30.9	30
23.4414.1012	-10	5/8"	1.3/16" - 14	30.6	36
23.4414.1210	-12	3/4"	1" - 14	33.2	30
23.4414.1212	-12	3/4"	1.3/16" - 14	31.7	36
23.4414.1216	-12	3/4"	1.7/16" - 12	34.7	41
23.4414.1616	-16	1"	1.7/16" - 12	34.1	41
23.4414.1620	-16	1"	1.11/16" - 12	34.0	50
23.4414.2020	-20	1.1/4"	1.11/16" - 12	36.5	50
23.4414.2024	-20	1.1/4"	2" - 12	36.5	50
23.4414.2424	-24	1.1/2"	2" - 12	36.0	60

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

Female ORFS Swivel with Back Hexagon



23.44H4.

ISO 12151-1 / ISO 8434-3 / SAE J516

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	W mm	HEX mm
23.44H4.0404	-4	1/4"	9/16" - 18	28.2	14	17
23.44H4.0406	-4	1/4"	11/16" - 16	31.7	17	22
23.44H4.0606	-6	3/8"	11/16" - 16	32.0	17	22
23.44H4.0608	-6	3/8"	13/16" - 16	35.0	19	24
23.44H4.0808	-8	1/2"	13/16" - 16	35.5	19	24
23.44H4.0810	-8	1/2"	1" - 14	41.5	24	30
23.44H4.0812	-8	1/2"	1.3/16" - 14	44.5	30	36
23.44H4.1010	-10	5/8"	1" - 14	42.5	24	30
23.44H4.1012	-10	5/8"	1.3/16" - 14	45.0	28	36
23.44H4.1212	-12	3/4"	1.3/16" - 14	45.6	30	36
23.44H4.1216	-12	3/4"	1.7/16" - 12	50.2	35	41
23.44H4.1616	-16	1"	1.7/16" - 12	50.7	35	41
23.44H4.1620	-16	1"	1.11/16" - 12	52.0	35	50
23.44H4.2020	-20	1.1/4"	1.11/16" - 12	54.5	41	50
23.44H4.2424	-24	1.1/2"	2" - 12	57.0	50	60

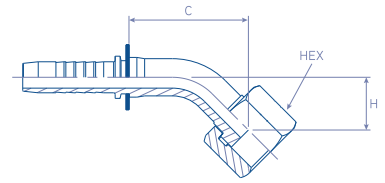
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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



45° Swept Female ORFS Swivel



23.4444.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514

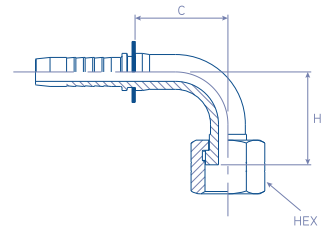
REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.4444.0404	-4	1/4"	9/16" - 18	32.5	11.0	17
23.4444.0406	-4	1/4"	11/16" - 16	36.0	13.0	22
23.4444.0506	-5	5/16"	11/16" - 16	39.0	13.0	22
23.4444.0606	-6	3/8"	11/16" - 16	36.0	13.4	22
23.4444.0608	-6	3/8"	13/16" - 16	39.0	15.0	24
23.4444.0808	-8	1/2"	13/16" - 16	43.0	15.0	24
23.4444.0810	-8	1/2"	1" - 14	45.0	17.0	30
23.4444.0812	-8	1/2"	1.3/16" - 14	54.0	21.0	36
23.4444.1008	-10	5/8"	13/16" - 16	54.0	22.0	24
23.4444.1010	-10	5/8"	1" - 14	55.0	21.0	30
23.4444.1012	-10	5/8"	1.3/16" - 14	57.0	23.0	36
23.4444.1210	-12	3/4"	1" - 14	60.0	23.0	30
23.4444.1212	-12	3/4"	1.3/16" - 14	62.0	22.0	36
23.4444.1216	-12	3/4"	1.7/16" - 12	66.0	24.0	41
23.4444.1616	-16	1"	1.7/16" - 12	76.0	27.0	41
23.4444.1620	-16	1"	1.11/16" - 12	76.0	27.0	50
23.4444.2020	-20	1.1/4"	1.11/16" - 12	95.0	34.0	50
23.4444.2424	-24	1.1/2"	2" - 12	120.0	45.0	60

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

90° Swept Female ORFS Swivel



23.4494.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.4494.0404	-4	1/4"	9/16" - 18	26.0	21.0	17
23.4494.0406	-4	1/4"	11/16" - 16	27.0	25.0	22
23.4494.0506	-5	5/16"	11/16" - 16	33.0	27.5	22
23.4494.0606	-6	3/8"	11/16" - 16	34.5	29.0	22
23.4494.0608	-6	3/8"	13/16" - 16	35.5	30.0	24
23.4494.0808	-8	1/2"	13/16" - 16	40.0	35.0	24
23.4494.0810	-8	1/2"	1" - 14	40.5	36.5	30
23.4494.0812	-8	1/2"	1.3/16" - 14	42.0	43.0	36
23.4494.1008	-10	5/8"	13/16" - 16	42.0	46.0	24
23.4494.1010	-10	5/8"	1" - 14	54.0	50.0	30
23.4494.1012	-10	5/8"	1.3/16" - 14	53.0	48.0	36
23.4494.1210	-12	3/4"	1" - 14	55.0	50.0	30
23.4494.1212	-12	3/4"	1.3/16" - 14	57.0	49.0	36
23.4494.1216	-12	3/4"	1.7/16" - 12	57.0	52.0	41
23.4494.1616	-16	1"	1.7/16" - 12	68.0	59.0	41
23.4494.1620	-16	1"	1.11/16" - 12	68.0	77.0	50
23.4494.2020	-20	1.1/4"	1.11/16" - 12	85.0	77.0	50
23.4494.2424	-24	1.1/2"	2" - 12	98.0	94.0	60

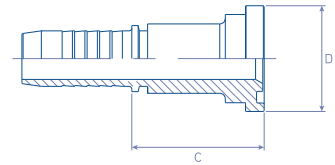
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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



Straight SAE 3000 PSI (code 61) Flange (SFL)



23.7013.

ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

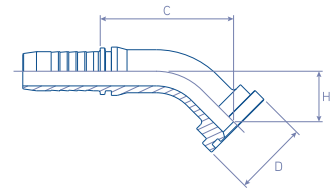
REFERENCE	hose dash	hose Ø inch	D Ø Flange mm	C Cut Off mm
23.7013.0808	-8	1/2"	30.2	40.0
23.7013.0812	-8	1/2"	38.1	42.0
23.7013.1010	-10	5/8"	34.0	37.0
23.7013.1012	-10	5/8"	38.1	45.0
23.7013.1212	-12	3/4"	38.1	45.0
23.7013.1216	-12	3/4"	44.5	48.0
23.7013.1616	-16	1"	44.5	50.0
23.7013.1620	-16	1"	50.8	54.0
23.7013.2020	-20	1 1/4"	50.8	55.0
23.7013.2024	-20	1 1/4"	60.3	60.0
23.7013.2424	-24	1 1/2"	60.3	60.0
23.7013.2432	-24	1 1/2"	71.4	65.0
23.7013.3232	-32	2"	71.4	66.0
23.7013.4040	-40	2 1/2"	84.1	90.0
23.7013.4848	-48	3"	101.6	91.0

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

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

NOTES: Although not in the SAE or the ISO standard the size 34.0mm (5/8) is according to JIS standard

45° Swept SAE 3000 PSI (code 61) Flange (SFL 45°)



23.7043.

ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

	hose	hose Ø	D Ø flange	C cut off	H
REFERENCE	dash	inch	mm	mm	mm
23.7043.0808	-8	1/2"	30.2	57.0	23.0
23.7043.0812	-8	1/2"	38.1	63.0	28.0
23.7043.1010	-10	5/8"	34.0	67.0	28.0
23.7043.1012	-10	5/8"	38.1	68.0	28.0
23.7043.1212	-12	3/4"	38.1	69.0	28.0
23.7043.1216	-12	3/4"	44.5	75.0	32.0
23.7043.1616	-16	1"	44.5	76.0	31.0
23.7043.1620	-16	1"	50.8	85.0	35.0
23.7043.2020	-20	1.1/4"	50.8	95.0	36.0
23.7043.2024	-20	1.1/4"	60.3	100.0	38.0
23.7043.2424	-24	1.1/2"	60.3	100.0	40.0
23.7043.2432	-24	1.1/2"	71.4	110.0	42.0
23.7043.3232	-32	2"	71.4	145.0	56.0
23.7043.4040	-40	2.1/2"	84.1	135.0	58.0
23.7043.4848	-48	3"	101.6	136.0	58.0

MATERIAL: Carbon Steel

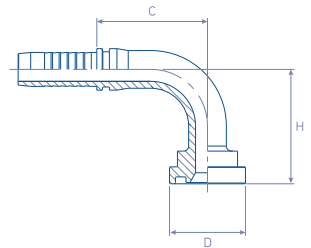
FINISH: Chromium-(VI) Free plating

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

NOTES: Although not in the SAE or the ISO standard the size 34.0mm (5/8) is according to JIS standard



90° Swept SAE 3000 PSI (code 61) Flange (SFL 90°)



23.7093.

ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

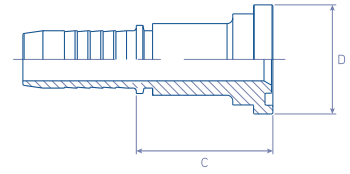
REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm	H mm
23.7093.0808	-8	1/2"	30.2	46.5	45.0
23.7093.0812	-8	1/2"	38.1	49.0	49.5
23.7093.1010	-10	5/8"	34.0	55.5	55.0
23.7093.1012	-10	5/8"	38.1	55.5	56.5
23.7093.1212	-12	3/4"	38.1	55.5	58.0
23.7093.1216	-12	3/4"	44.5	70.0	61.0
23.7093.1616	-16	1"	44.5	69.9	61.0
23.7093.1620	-16	1"	50.8	88.0	83.0
23.7093.2020	-20	1.1/4"	50.8	88.0	93.0
23.7093.2024	-20	1.1/4"	60.3	95.0	98.0
23.7093.2424	-24	1.1/2"	60.3	100.0	110.0
23.7093.2432	-24	1.1/2"	71.4	130.0	110.0
23.7093.3232	-32	2"	71.4	136.2	125.0
23.7093.4040	-40	2.1/2"	84.1	132.7	114.2
23.7093.4848	-48	3"	101.6	60.5	55.0

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

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

NOTES: Although not in the SAE or the ISO standard the size 34.0mm (5/8) is according to JIS standard

Straight SAE 6000 PSI (code 62) Flange (SFS)



23.7016.

ISO 6162-2 / ISO 12151-3 / SAE J516 / SAE J518

REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm
23.7016.0808	-8	1/2"	31.8	46.0
23.7016.0812	-8	1/2"	31.8	46.0
23.7016.1012	-10	5/8"	41.3	46.0
23.7016.1212	-12	3/4"	41.3	46.0
23.7016.1216	-12	3/4"	47.6	56.0
23.7016.1616	-16	1"	47.6	57.0
23.7016.1620	-16	1"	54.0	65.0
23.7016.2020	-20	1.1/4"	54.0	66.0
23.7016.2024	-20	1.1/4"	63.5	75.0
23.7016.2424	-24	1.1/2"	63.5	75.0
23.7016.2432	-24	1.1/2"	79.4	80.0
23.7016.3232	-32	2"	79.4	85.0

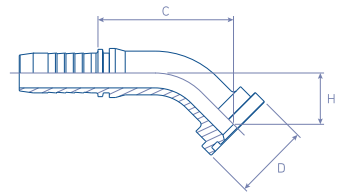
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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



45° Swept SAE 6000 PSI (code 62) Flange (SFS 45°)



23.7046.

ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

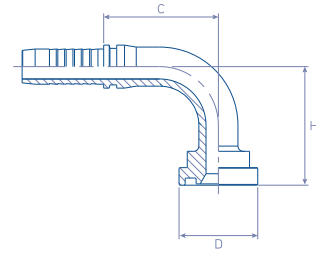
REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm	H mm
23.7046.0808	-8	1/2"	31.8	57.0	23.0
23.7046.0812	-8	1/2"	31.8	63.0	30.0
23.7046.1012	-10	5/8"	41.3	68.0	28.0
23.7046.1212	-12	3/4"	41.3	69.0	28.0
23.7046.1216	-12	3/4"	47.6	77.0	33.0
23.7046.1616	-16	1"	47.6	79.0	32.0
23.7046.1620	-16	1"	54.0	93.0	38.0
23.7046.2020	-20	1.1/4"	54.0	110.0	44.0
23.7046.2024	-20	1.1/4"	63.5	112.0	48.0
23.7046.2424	-24	1.1/2"	63.5	110.0	46.0
23.7046.2432	-24	1.1/2"	79.4	134.0	58.0
23.7046.3232	-32	2"	79.4	155.0	64.0

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

90° Swept SAE 6000 PSI (code 62) Flange (SFS 90°)



23.7096.

ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm	H mm
23.7096.0808	-8	1/2"	31.8	46.5	47.0
23.7096.0812	-8	1/2"	31.8	50.5	56.0
23.7096.1012	-10	5/8"	41.3	53.5	58.0
23.7096.1212	-12	3/4"	41.3	55.5	56.5
23.7096.1216	-12	3/4"	47.6	55.5	65.0
23.7096.1616	-16	1"	47.6	76.0	66.0
23.7096.1620	-16	1"	54.0	78.5	79.5
23.7096.2020	-20	1.1/4"	54.0	101.7	86.0
23.7096.2024	-20	1.1/4"	63.5	102.3	98.0
23.7096.2424	-24	1.1/2"	63.5	111.0	104.0
23.7096.2432	-24	1.1/2"	79.4	113.0	119.5
23.7096.3232	-32	2"	79.4	149.3	134.0

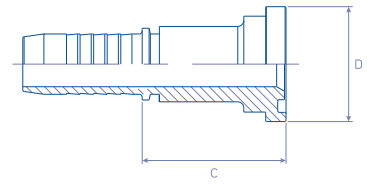
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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



Straight SUPERCAT Flange



23.7116.

ISO 6162-2 / ISO 12151-3 / SAE J516 / SAE J518

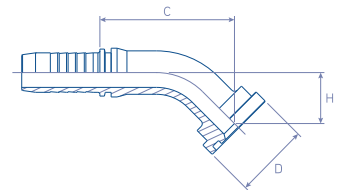
REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm
23.7116.0808	-8	1/2"	31.8	46.0
23.7116.0812	-8	1/2"	31.8	46.0
23.7116.1012	-10	5/8"	41.3	46.0
23.7116.1212	-12	3/4"	41.3	46.0
23.7116.1216	-12	3/4"	47.6	56.0
23.7116.1616	-16	1"	47.6	57.0
23.7116.1620	-16	1"	54.0	65.0
23.7116.2020	-20	1.1/4"	54.0	66.0
23.7116.2024	-20	1.1/4"	63.5	75.0
23.7116.2424	-24	1.1/2"	63.5	75.0
23.7116.2432	-24	1.1/2"	79.4	80.0
23.7116.3232	-32	2"	79.4	85.0

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

45° Swept SUPERCAT Flange



23.7146.

ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

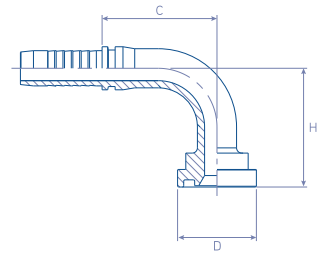
REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm	H mm
23.7146.0808	-8	1/2"	31.8	57.0	23.0
23.7146.0812	-8	1/2"	31.8	63.0	30.0
23.7146.1012	-10	5/8"	41.3	68.0	28.0
23.7146.1212	-12	3/4"	41.3	69.0	28.0
23.7146.1216	-12	3/4"	47.6	77.0	33.0
23.7146.1616	-16	1"	47.6	79.0	32.0
23.7146.1620	-16	1"	54.0	93.0	38.0
23.7146.2020	-20	1.1/4"	54.0	110.0	44.0
23.7146.2024	-20	1.1/4"	63.5	112.0	48.0
23.7146.2424	-24	1.1/2"	63.5	110.0	46.0
23.7146.2432	-24	1.1/2"	79.4	134.0	58.0
23.7146.3232	-32	2"	79.4	155.0	64.0

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

90° Swept SUPERCAT Flange



23.7196.

ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm	H mm
23.7196.0808	-8	1/2"	31.8	46.5	47.0
23.7196.0812	-8	1/2"	31.8	50.5	56.0
23.7196.1012	-10	5/8"	41.3	53.5	58.0
23.7196.1212	-12	3/4"	41.3	55.5	56.5
23.7196.1216	-12	3/4"	47.6	55.5	65.0
23.7196.1616	-16	1"	47.6	76.0	66.0
23.7196.1620	-16	1"	54.0	78.5	79.5
23.7196.2020	-20	1.1/4"	54.0	101.7	86.0
23.7196.2024	-20	1.1/4"	63.5	102.3	98.0
23.7196.2424	-24	1.1/2"	63.5	111.0	104.0
23.7196.2432	-24	1.1/2"	79.4	113.0	119.5
23.7196.3232	-32	2"	79.4	149.3	134.0

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

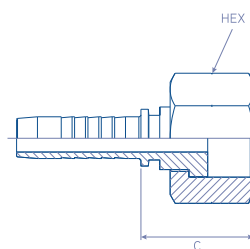
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



Female BSP Flat Face Swivel

23.3212.

ISO 12151-6 / ISO 8434-6 / BS 5200



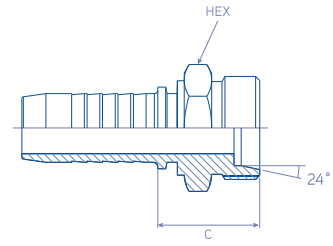
REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.3212.0404	-4	1/4"	1/8" - 28	15.2	19
23.3212.0508	-5	5/16"	1/2" - 14	18.0	27
23.3212.0606	-6	3/8"	3/8" - 19	16.5	22
23.3212.0608	-6	3/8"	1/2" - 14	18.0	27
23.3212.0808	-8	1/2"	1/2" - 14	18.5	27
23.3212.0812	-8	1/2"	3/4" - 14	20.5	32
23.3212.1012	-10	5/8"	3/4" - 14	21.0	32
23.3212.1212	-12	3/4"	3/4" - 14	21.2	32
23.3212.1216	-12	3/4"	1" - 11	21.7	38
23.3212.1616	-16	1"	1" - 11	22.5	38

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

Male Metric Light Serie 24° Cone Seat (CEL)



23.1000.

ISO 12151-2 / ISO 8434-1

REFERENCE	hose dash	hose Ø inch	thread inch	d - tube mm	C cut off mm	HEX mm
23.1000.0312	-3	3/16"	M12 x 1.5	6	23.0	14
23.1000.0412	-4	1/4"	M12 x 1.5	6	22.2	14
23.1000.0414	-4	1/4"	M14 x 1.5	8	22.7	17
23.1000.0416	-4	1/4"	M16 x 1.5	10	23.7	17
23.1000.0418	-4	1/4"	M18 x 1.5	12	24.7	19
23.1000.0514	-5	5/16"	M14 x 1.5	8	23.0	17
23.1000.0516	-5	5/16"	M16 x 1.5	10	24.0	17
23.1000.0518	-5	5/16"	M18 x 1.5	12	25.0	19
23.1000.0616	-6	3/8"	M16 x 1.5	10	24.0	17
23.1000.0618	-6	3/8"	M18 x 1.5	12	25.0	19
23.1000.0622	-6	3/8"	M22 x 1.5	15	28.0	24
23.1000.0818	-8	1/2"	M18 x 1.5	12	25.5	19
23.1000.0822	-8	1/2"	M22 x 1.5	15	28.5	24
23.1000.0826	-8	1/2"	M26 x 1.5	18	30.0	27
23.1000.1026	-10	5/8"	M26 x 1.5	18	30.0	27
23.1000.1030	-10	5/8"	M30 x 2.0	22	34.0	32
23.1000.1230	-12	3/4"	M30 x 2.0	22	34.2	32
23.1000.1636	-16	1"	M36 x 2.0	28	38.0	41
23.1000.2045	-20	1.1/4"	M45 x 2.0	35	43.0	46
23.1000.2452	-24	1.1/2"	M52 x 2.0	42	45.0	55

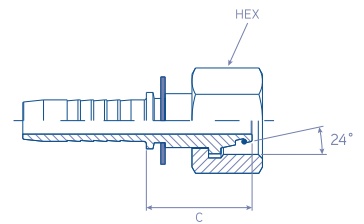
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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



Female Metric Light Serie 24° Cone Seat Swivel (DKOL)



23.5013.

ISO 12151-2 / ISO 8434-1

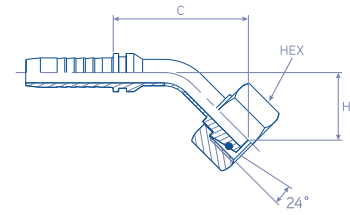
REFERENCE	hose dash	hose Ø inch	thread inch	d tube mm	C cut off mm	HEX mm
23.5013.0312	-3	3/16"	M12 x 1.5	6	22.5	14
23.5013.0412	-4	1/4"	M12 x 1.5	6	26.7	14
23.5013.0414	-4	1/4"	M14 x 1.5	8	25.7	17
23.5013.0416	-4	1/4"	M16 x 1.5	10	21.8	19
23.5013.0418	-4	1/4"	M18 x 1.5	12	25.2	22
23.5013.0514	-5	5/16"	M14 x 1.5	8	27.5	19
23.5013.0516	-5	5/16"	M16 x 1.5	10	22.1	19
23.5013.0518	-5	5/16"	M18 x 1.5	12	25.5	22
23.5013.0616	-6	3/8"	M16 x 1.5	10	28.5	19
23.5013.0618	-6	3/8"	M18 x 1.5	12	24.6	22
23.5013.0622	-6	3/8"	M22 x 1.5	15	27.5	27
23.5013.0818	-8	1/2"	M18 x 1.5	12	30.5	22
23.5013.0822	-8	1/2"	M22 x 1.5	15	28.0	27
23.5013.0826	-8	1/2"	M26 x 1.5	18	26.8	32
23.5013.1026	-10	5/8"	M26 x 1.5	18	29.0	32
23.5013.1027	-10	5/8"	M27 x 1.5	18	29.0	32
23.5013.1030	-10	5/8"	M30 x 2.0	22	32.0	36
23.5013.1230	-12	3/4"	M30 x 2.0	22	34.7	36
23.5013.1636	-16	1"	M36 x 2.0	28	33.5	41
23.5013.2045	-20	1.1/4"	M45 x 2.0	35	38.5	50
23.5013.2452	-24	1.1/2"	M52 x 2.0	42	39.5	60

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

45° Swept Female Metric Light Serie 24° Cone Seat Swivel (DKOL 45)



23.5043.

ISO 12151-2 / ISO 8434-1

REFERENCE	hose dash	hose Ø inch	thread inch	d tube mm	C cut off mm	H mm	HEX mm
23.5043.0312	-3	3/16"	M12 x 1.5	6	38.0	15.0	14
23.5043.0412	-4	1/4"	M12 x 1.5	6	39.0	15.0	14
23.5043.0414	-4	1/4"	M14 x 1.5	8	35.2	16.0	17
23.5043.0416	-4	1/4"	M16 x 1.5	10	36.3	17.0	19
23.5043.0418	-4	1/4"	M18 x 1.5	12	40.0	18.5	22
23.5043.0516	-5	5/16"	M16 x 1.5	10	39.0	17.0	19
23.5043.0518	-5	5/16"	M18 x 1.5	12	42.6	19.0	22
23.5043.0616	-6	3/8"	M16 x 1.5	10	54.8	20.0	19
23.5043.0618	-6	3/8"	M18 x 1.5	12	42.6	19.0	22
23.5043.0622	-6	3/8"	M22 x 1.5	15	45.0	19.0	27
23.5043.0822	-8	1/2"	M22 x 1.5	15	48.2	20.0	27
23.5043.0826	-8	1/2"	M26 x 1.5	18	49.9	21.0	32
23.5043.1026	-10	5/8"	M26 x 1.5	18	62.5	25.0	32
23.5043.1027	-10	5/8"	M27 x 1.5	18	62.5	25.0	32
23.5043.1030	-10	5/8"	M30 x 2.0	22	66.6	25.0	36
23.5043.1230	-12	3/4"	M30 x 2.0	22	78.0	30.0	36
23.5043.1636	-16	1"	M36 x 2.0	28	90.5	33.0	41
23.5043.2045	-20	1.1/4"	M45 x 2.0	35	102.5	40.0	50
23.5043.2452	-24	1.1/2"	M52 x 2.0	42	127.1	45.0	60

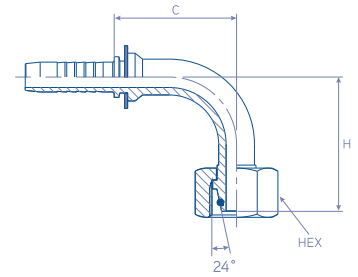
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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



90° Swept Female Metric Heavy Serie 24° Cone Seat Swivel (DKOL 90)



23.5093.

ISO 12151-2 / ISO 8434-1

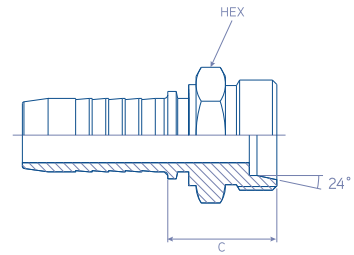
	hose	hose Ø	thread	d tube	C cut off	H	HEX
REFERENCE	dash	inch	inch	mm	mm	mm	mm
23.5093.0312	-3	3/16"	M12 x 1.5	6	30.0	30.0	14
23.5093.0412	-4	1/4"	M12 x 1.5	6	30.7	30.0	14
23.5093.0414	-4	1/4"	M14 x 1.5	8	28.0	30.5	17
23.5093.0416	-4	1/4"	M16 x 1.5	10	28.2	33.0	19
23.5093.0418	-4	1/4"	M18 x 1.5	12	35.0	36.0	22
23.5093.0516	-5	5/16"	M16 x 1.5	10	30.5	33.0	19
23.5093.0518	-5	5/16"	M18 x 1.5	12	36.0	36.0	22
23.5093.0616	-6	3/8"	M16 x 1.5	10	34.0	36.0	19
23.5093.0618	-6	3/8"	M18 x 1.5	12	36.0	36.0	22
23.5093.0622	-6	3/8"	M22 x 1.5	15	37.5	38.0	27
23.5093.0822	-8	1/2"	M22 x 1.5	15	38.2	40.5	27
23.5093.0826	-8	1/2"	M26 x 1.5	18	48.0	47.0	32
23.5093.1026	-10	5/8"	M26 x 1.5	18	54.0	52.0	32
23.5093.1027	-10	5/8"	M27 x 1.5	18	54.0	52.0	32
23.5093.1030	-10	5/8"	M30 x 2.0	22	55.5	57.0	36
23.5093.1230	-12	3/4"	M30 x 2.0	22	55.5	57.0	36
23.5093.1236	-12	3/4"	M36 x 2.0	28	55.5	57.0	41
23.5093.1636	-16	1"	M36 x 2.0	28	78.6	70.0	41
23.5093.2045	-20	1.1/4"	M45 x 2.0	35	85.5	80.0	50
23.5093.2452	-24	1.1/2"	M52 x 2.0	42	116.3	98.0	60

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

Male Metric Heavy Serie 24° Cone Seat (CES)



23.1100.

ISO 12151-2 / ISO 8434-1

REFERENCE	hose dash	hose Ø inch	thread inch	d - tube mm	C cut off mm	HEX mm
23.1100.0414	-4	1/4"	M14 x 1.5	6	24.7	17
23.1100.0416	-4	1/4"	M16 x 1.5	8	24.7	17
23.1100.0418	-4	1/4"	M18 x 1.5	10	25.7	19
23.1100.0516	-5	5/16"	M16 x 1.5	8	25.0	17
23.1100.0518	-5	5/16"	M18 x 1.5	10	26.0	19
23.1100.0520	-5	5/16"	M20 x 1.5	12	27.5	22
23.1100.0618	-6	3/8"	M18 x 1.5	10	26.0	19
23.1100.0620	-6	3/8"	M20 x 1.5	12	27.5	22
23.1100.0622	-6	3/8"	M22 x 1.5	14	30.0	24
23.1100.0820	-8	1/2"	M20 x 1.5	12	27.5	22
23.1100.0824	-8	1/2"	M24 x 1.5	16	32.0	27
23.1100.1024	-10	5/8"	M24 x 1.5	16	32.5	27
23.1100.1030	-10	5/8"	M30 x 2.0	20	36.0	32
23.1100.1230	-12	3/4"	M30 x 2.0	20	36.2	32
23.1100.1236	-12	3/4"	M36 x 2.0	25	41.2	41
23.1100.1636	-16	1"	M36 x 2.0	25	42.0	41
23.1100.1642	-16	1"	M42 x 2.0	30	45.5	46
23.1100.2052	-20	1.1/4"	M52 x 2.0	38	51.0	55
23.1100.2452	-24	1.1/2"	M52 x 2.0	38	51.0	55

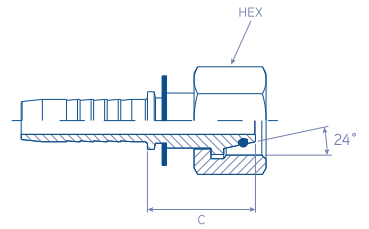
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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



Female Metric Heavy Serie 24° Cone Seat Swivel (DKOS)



23.5113.

ISO 12151-2 / ISO 8434-1

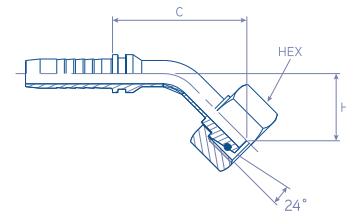
	hose	hose Ø	thread	d - tube	C cut off	HEX
REFERENCE	dash	inch	inch	mm	mm	mm
23.5113.0414	-4	1/4"	M14 x 1.5	6	26.2	17
23.5113.0416	-4	1/4"	M16 x 1.5	8	21.7	19
23.5113.0418	-4	1/4"	M18 x 1.5	10	26.2	22
23.5113.0518	-5	5/16"	M18 x 1.5	10	26.5	22
23.5113.0520	-5	5/16"	M20 x 1.5	12	27.5	24
23.5113.0618	-5	5/16"	M18 x 1.5	10	26.5	22
23.5113.0620	-5	5/16"	M20 x 1.5	12	27.5	24
23.5113.0622	-6	3/8"	M22 x 1.5	14	28.5	27
23.5113.0820	-8	1/2"	M20 x 1.5	12	29.0	24
23.5113.0822	-8	1/2"	M22 x 1.5	14	29.0	27
23.5113.0824	-8	1/2"	M24 x 1.5	16	28.5	30
23.5113.1030	-10	5/8"	M30 x 2.0	20	34.0	36
23.5113.1230	-12	3/4"	M30 x 2.0	20	35.7	36
23.5113.1236	-12	3/4"	M36 x 2.0	25	35.7	46
23.5113.1636	-16	1"	M36 x 2.0	25	36.5	46
23.5113.1642	-16	1"	M42 x 2.0	30	39.0	50
23.5113.2052	-20	1 1/4"	M52 x 2.0	30	46.0	50
23.5113.2452	-24	1 1/2"	M52 x 2.0	38	42.5	60

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

45° Swept Female Metric Heavy Serie 24° Cone Seat Swivel (DKOS 45)



23.5143.

ISO 12151-2 / ISO 8434-1

REFERENCE	hose dash	hose Ø inch	thread inch	d tube mm	C cut off mm	H mm	HEX mm
23.5143.0414	-4	1/4"	M14 x 1.5	6	35.2	16.0	17
23.5143.0416	-4	1/4"	M16 x 1.5	8	36.3	17.0	19
23.5143.0418	-4	1/4"	M18 x 1.5	10	37.7	17.0	22
23.5143.0518	-5	5/16"	M18 x 1.5	10	40.0	17.0	22
23.5143.0520	-5	5/16"	M20 x 1.5	12	41.0	18.0	24
23.5143.0618	-6	3/8"	M18 x 1.5	10	42.6	19.0	22
23.5143.0620	-6	3/8"	M20 x 1.5	12	42.0	18.0	24
23.5143.0622	-6	3/8"	M22 x 1.5	14	43.0	19.0	27
23.5143.0820	-8	1/2"	M20 x 1.5	12	48.2	20.0	24
23.5143.0824	-8	1/2"	M24 x 1.5	16	49.9	21.0	30
23.5143.1030	-10	5/8"	M30 x 2.0	20	66.6	25.0	36
23.5143.1230	-12	3/4"	M30 x 2.0	20	70.5	30.0	36
23.5143.1236	-12	3/4"	M36 x 2.0	25	84.0	30.5	46
23.5143.1636	-16	1"	M36 x 2.0	25	87.0	36.0	46
23.5143.1642	-16	1"	M42 x 2.0	30	89.0	38.0	50
23.5143.2052	-20	1.1/4"	M52 x 2.0	38	121.3	44.0	60

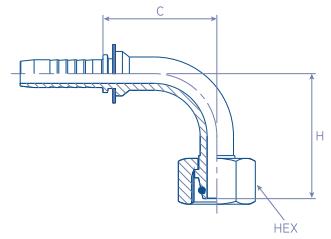
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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



90° Swept Female Metric Heavy Serie 24° Cone Seat Swivel (DKOS 90)



23.5193.

ISO 12151-2 / ISO 8434-1

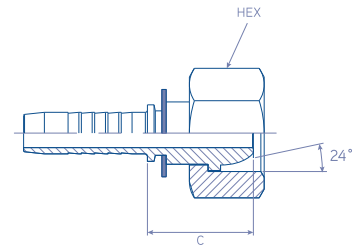
	hose	hose Ø	thread	d tube	C cut off	H	HEX
REFERENCE	dash	inch	inch	mm	mm	mm	mm
23.5193.0414	-4	1/4"	M14 x 1.5	6	27.0	30.5	17
23.5193.0416	-4	1/4"	M16 x 1.5	8	28.2	32.5	19
23.5193.0418	-4	1/4"	M18 x 1.5	10	28.2	34.5	22
23.5193.0518	-5	5/16"	M18 x 1.5	10	30.5	36.0	22
23.5193.0520	-5	5/16"	M20 x 1.5	12	30.5	36.0	24
23.5193.0618	-6	3/8"	M18 x 1.5	10	40.0	44.0	22
23.5193.0620	-6	3/8"	M20 x 1.5	12	30.5	36.0	24
23.5193.0622	-6	3/8"	M22 x 1.5	14	33.0	37.0	27
23.5193.0820	-8	1/2"	M20 x 1.5	12	35.0	38.0	24
23.5193.0824	-8	1/2"	M24 x 1.5	16	41.0	42.5	30
23.5193.1024	-10	5/8"	M24 x 1.5	16	55.5	57.5	30
23.5193.1030	-10	5/8"	M30 x 2.0	20	55.5	57.5	36
23.5193.1230	-12	3/4"	M30 x 2.0	20	55.5	57.0	36
23.5193.1236	-12	3/4"	M36 x 2.0	25	55.5	60.0	46
23.5193.1636	-16	1"	M36 x 2.0	25	74.0	71.5	46
23.5193.1642	-16	1"	M42 x 2.0	30	74.0	75.0	50
23.5193.2052	-20	1.1/4"	M52 x 2.0	38	89.0	87.0	60

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

Female Metric 24°/60°C one Seat Swivel (DKL)



23.5213.
DIN 3868

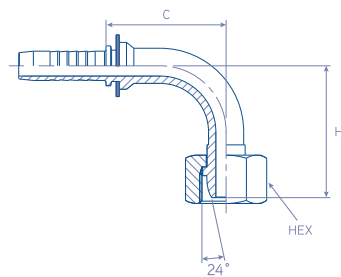
	hose	hose Ø	thread	d - tube	C cut off	HEX
REFERENCE	dash	inch	inch	mm	mm	mm
23.5213.0414	- 4	1/4"	M14 x 1.5	8	25.7	17
23.5213.0516	- 5	5/16"	M16 x 1.5	10	22.1	19
23.5213.0518	- 5	5/16"	M18 x 1.5	12	25.5	22
23.5213.0616	- 6	3/8"	M16 x 1.5	10	28.5	19
23.5213.0618	- 6	3/8"	M18 x 1.5	12	24.6	22
23.5213.0822	- 8	1/2"	M22 x 1.5	15	28.0	27
23.5213.1026	- 10	5/8"	M26 x 1.5	18	29.0	32

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

90° Swept Female Metric 24°/60°C Cone Seat Swivel (DKL)



23.5293.
DIN 3868

	hose	hose Ø	thread	d tube	C cut off	H	HEX
REFERENCE	dash	inch	inch	mm	mm	mm	mm
23.5293.0414	- 4	1/4"	M14 x 1.5	8	28.0	30.5	17
23.5293.0516	- 5	5/16"	M16 x 1.5	10	30.5	33.0	19
23.5293.0518	- 5	5/16"	M18 x 1.5	12	36.0	36.0	22
23.5293.0616	- 6	3/8"	M16 x 1.5	10	34.0	36.0	19
23.5293.0618	- 6	3/8"	M18 x 1.5	12	36.0	36.0	22
23.5293.0822	- 8	1/2"	M22 x 1.5	15	38.2	40.5	27
23.5293.1026	- 10	5/8"	M26 x 1.5	18	54.0	52.0	32

MATERIAL: Carbon Steel

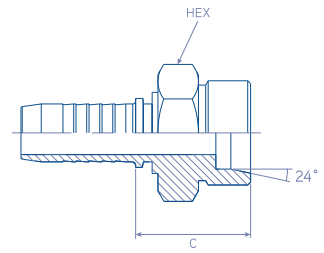
FINISH: Chromium-(VI) Free plating

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



Male Metric French Serie 24° Cone Seat (AGF)

23.1200.



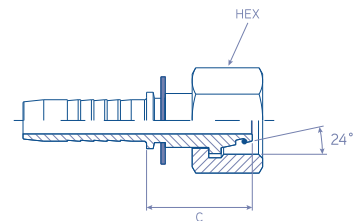
	hose	hose Ø	thread	d - tube	C cut off	HEX
REFERENCE	dash	inch	inch	mm	mm	mm
23.1200.0520	- 5	5/16"	M20 x 1.5	13.25	27.5	22
23.1200.0620	- 6	3/8"	M20 x 1.5	13.25	27.5	22
23.1200.0824	- 8	1/2"	M24 x 1.5	16.75	32.0	24
23.1200.1030	- 10	5/8"	M30 x 1.5	21.25	32.5	30
23v.1200.1230	- 12	3/4"	M30 x 1.5	21.25	36.0	30
23.1200.1236	- 12	3/4"	M36 x 1.5	26.75	36.2	36
23.1200.1645	- 16	1"	M45 x 1.5	33.50	41.2	46

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

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

Female Metric French Serie 24° Cone Seat Swivel (DKF)

23.5513.

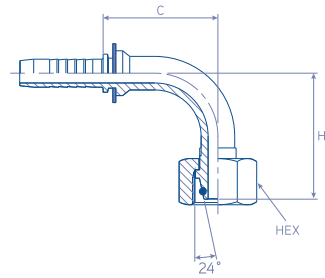


	hose	hose Ø	thread	d - tube	C cut off	HEX
REFERENCE	dash	inch	inch	mm	mm	mm
23.5513.0520	- 5	5/16"	M20 x 1.5	13.25	27.5	27
23.5513.0620	- 6	3/8"	M20 x 1.5	13.25	27.5	27
23.5513.0824	- 8	1/2"	M24 x 1.5	16.75	32.0	30
23.5513.1030	- 10	5/8"	M30 x 1.5	21.25	32.5	36
23.5513.1230	- 12	3/4"	M30 x 1.5	21.25	36.0	36
23.5513.1236	- 12	3/4"	M36 x 1.5	26.75	36.2	46
23.5513.1645	- 16	1"	M45 x 1.5	33.50	41.2	55

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

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

90° Swept Female Metric French Serie 24° Cone Seat Swivel (DKF)



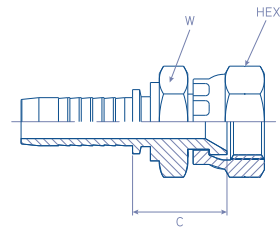
23.5593.

REFERENCE	hose dash	hose Ø inch	thread inch	d tube mm	C cut off mm	H mm	HEX mm
23.5593.0520	- 5	5/16"	M20 x 1.5	13.25	30.5	36.0	27
23.5593.0620	- 6	3/8"	M20 x 1.5	13.25	30.5	36.0	27
23.5593.0824	- 8	1/2"	M24 x 1.5	16.75	41.0	42.5	30
23.5593.1030	- 10	5/8"	M30 x 1.5	21.25	55.5	57.5	36
23.5593.1236	- 12	3/4"	M36 x 1.5	26.75	55.5	60.0	46
23.5593.1645	- 16	1"	M45 x 1.5	33.50	74.0	75.0	55

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

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

Female JIS 60° Cone Seat Swivel (TOYOTA)



23.3712.

JIS B8363

REFERENCE	hose dash	hose Ø inch	thread inch	d - tube mm	C cut off mm	W mm	HEX mm
23.3712.0404	-4	1/4"	1/4" - 19	21	19	19	19
23.3712.0606	-6	3/8"	3/8" - 19	22	22	19	19
23.3712.0808	-8	1/2"	1/2" - 14	25	27	22	22
23.3712.1212	-12	3/4"	3/4" - 14	28	32	30	30
23.3712.1616	-16	1"	1" - 11	33	38	32	32
23.3712.2020	-20	1.1/4"	1.1/4" - 11	35	50	46	46
23.3712.2424	-24	1.1/2"	1.1/2" - 11	28	55	50	50

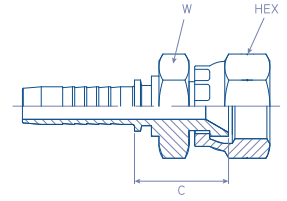
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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



Female JIS 60° Cone Seat Swivel (KOMATSU)



23.5911.
JIS B8363

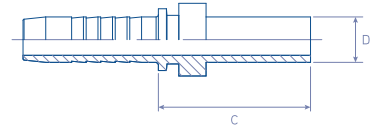
REFERENCE	hose dash	hose Ø inch	thread inch	d tube mm	C cut off mm	W mm	HEX mm
23.5911.0414	-4	1/4"	M14 x 1.5	22.2	19	27	19
23.5911.0616	-5	5/16"	M16 x 1.5	23.5	22	27	19
23.5911.0618	-6	3/8"	M18 x 1.5	24.5	24	30	19
23.5911.0822	-8	1/2"	M22 x 1.5	27.0	27	36	22
23.5911.1024	-10	5/8"	M24 x 1.5	28.5	32	46	24
23.5911.1230	-12	3/4"	M30 x 1.5	31.7	36	55	30
23.5911.1633	-16	1"	M33 x 1.5	33.5	41	36	32
23.5911.2036	-20	1.1/4"	M36 x 1.5	37.5	46	46	41
23.5911.2442	-24	1.1/2"	M42 x 1.5	42.0	55	55	50

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

Metric Standpipe (BEL)



23.6000.

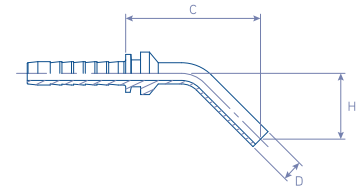
REFERENCE	hose dash	hose Ø inch	d - tube inch	C cut off mm
23.6000.0304	-3	3/16"	4	24.5
23.6000.0306	-3	3/16"	6	29.5
23.6000.0308	-3	3/16"	8	31.0
23.6000.0406	-4	1/4"	6	28.0
23.6000.0408	-4	1/4"	8	30.5
23.6000.0410	-4	1/4"	10	33.0
23.6000.0412	-4	1/4"	12	33.0
23.6000.0510	-5	5/16"	10	33.5
23.6000.0512	-5	5/16"	12	33.5
23.6000.0610	-6	3/8"	10	30.5
23.6000.0612	-6	3/8"	12	30.5
23.6000.0614	-6	3/8"	14	30.5
23.6000.0615	-6	3/8"	15	30.5
23.6000.0814	-8	1/2"	14	36.0
23.6000.0815	-8	1/2"	15	32.0
23.6000.0816	-8	1/2"	16	37.0
23.6000.0818	-8	1/2"	18	37.0
23.6000.1018	-10	5/8"	18	34.0
23.6000.1020	-10	5/8"	20	44.0
23.6000.1022	-10	5/8"	22	44.5
23.6000.1220	-12	3/4"	20	44.5
23.6000.1222	-12	3/4"	22	36.5
23.6000.1225	-12	3/4"	25	49.5
23.6000.1625	-16	1"	25	51.0
23.6000.1628	-16	1"	28	40.0
23.6000.1630	-16	1"	30	54.0
23.6000.1638	-16	1"	38	60.0
23.6000.2030	-20	1.1/4"	30	58.0
23.6000.2035	-20	1.1/4"	35	48.0
23.6000.2038	-20	1.1/4"	38	62.0
23.6000.2438	-24	1.1/2"	38	63.0
23.6000.2442	-24	1.1/2"	42	50.0

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

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



45° Swept Metric Standpipe (BEL 45)



23.6040.

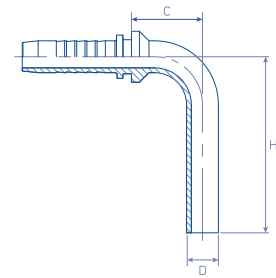
REFERENCE	hose	hose Ø	d tube	C cut off	H
	dash	inch	inch	mm	mm
23.6040.0306	-3	3/16"	6	33	26
23.6040.0308	-3	3/16"	8	38	26
23.6040.0406	-4	1/4"	6	41	24
23.6040.0408	-4	1/4"	8	43	25
23.6040.0410	-4	1/4"	10	47	30
23.6040.0412	-4	1/4"	12	47	30
23.6040.0510	-5	5/16"	10	49	30
23.6040.0512	-5	5/16"	12	53	32
23.6040.0610	-6	3/8"	10	50	33
23.6040.0612	-6	3/8"	12	52	33
23.6040.0614	-6	3/8"	14	43	34
23.6040.0615	-6	3/8"	15	45	37
23.6040.0814	-8	1/2"	14	42	34
23.6040.0815	-8	1/2"	15	46	37
23.6040.0816	-8	1/2"	16	45	36
23.6040.0818	-8	1/2"	18	61	32
23.6040.1018	-10	5/8"	18	61	32
23.6040.1020	-10	5/8"	20	62	34
23.6040.1022	-10	5/8"	22	68	35
23.6040.1220	-12	3/4"	20	68	35
23.6040.1222	-12	3/4"	22	68	35
23.6040.1225	-12	3/4"	25	75	39
23.6040.1625	-16	1"	25	74	39
23.6040.1628	-16	1"	28	87	49
23.6040.1630	-16	1"	30	84	43
23.6040.2030	-20	1.1/4"	30	85	43
23.6040.2035	-20	1.1/4"	35	93	45
23.6040.2038	-20	1.1/4"	38	94	50
23.6040.2438	-24	1.1/2"	38	94	50
23.6040.2442	-24	1.1/2"	42	113	57

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

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

90° Swept Metric Standpipe (BEL 90)



23.6090.

REFERENCE	hose dash	hose Ø inch	d tube inch	C cut off mm	H mm
23.6090.0306	-3	3/16"	6	24	37
23.6090.0308	-3	3/16"	8	24	39
23.6090.0406	-4	1/4"	6	23	32
23.6090.0408	-4	1/4"	8	25	34
23.6090.0410	-4	1/4"	10	25	43
23.6090.0412	-4	1/4"	12	25	37
23.6090.0510	-5	5/16"	10	29	40
23.6090.0512	-5	5/16"	12	29	45
23.6090.0610	-6	3/8"	10	27	40
23.6090.0612	-6	3/8"	12	30	44
23.6090.0614	-6	3/8"	14	33	45
23.6090.0615	-6	3/8"	15	38	53
23.6090.0814	-8	1/2"	14	33	49
23.6090.0815	-8	1/2"	15	39	53
23.6090.0816	-8	1/2"	16	42	56
23.6090.0818	-8	1/2"	18	42	57
23.6090.1018	-10	5/8"	18	42	57
23.6090.1020	-10	5/8"	20	42	66
23.6090.1022	-10	5/8"	22	53	71
23.6090.1220	-12	3/4"	20	49	66
23.6090.1222	-12	3/4"	22	54	71
23.6090.1225	-12	3/4"	25	57	76
23.6090.1625	-16	1"	25	58	76
23.6090.1628	-16	1"	28	65	83
23.6090.1630	-16	1"	30	66	89
23.6090.2030	-20	1.1/4"	30	67	89
23.6090.2035	-20	1.1/4"	35	77	97
23.6090.2038	-20	1.1/4"	38	81	106
23.6090.2438	-24	1.1/2"	38	81	106
23.6090.2442	-24	1.1/2"	42	92	118

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

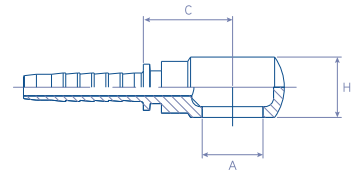
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



Metric Banjo (RNM)

23.6400.

DIN 7642



REFERENCE	hose dash	hose Ø inch	C cut off inch	A mm	H mm
23.6400.0310	-3	3/16"	15.5	10.2	10.0
23.6400.0312	-3	3/16"	17.0	12.2	12.0
23.6400.0410	-4	1/4"	17.0	10.2	10.0
23.6400.0412	-4	1/4"	21.0	12.2	12.0
23.6400.0414	-4	1/4"	21.0	14.2	14.0
23.6400.0416	-4	1/4"	22.5	16.2	18.0
23.6400.0514	-5	5/16"	19.0	14.2	14.0
23.6400.0516	-5	5/16"	22.5	16.2	18.0
23.6400.0518	-5	5/16"	24.0	18.2	20.0
23.6400.0614	-6	3/8"	21.0	14.2	14.0
23.6400.0616	-6	3/8"	22.5	16.2	18.0
23.6400.0618	-6	3/8"	24.0	18.2	20.0
23.6400.0622	-6	3/8"	28.1	22.2	22.0
23.6400.0816	-8	1/2"	26.0	16.2	18.0
23.6400.0818	-8	1/2"	24.5	18.2	20.0
23.6400.0822	-8	1/2"	27.5	22.2	22.0
23.6400.1022	-10	5/8"	27.5	22.2	22.0
23.6400.1026	-10	5/8"	32.0	26.2	29.0
23.6400.1226	-12	3/4"	32.0	26.2	29.0
23.6400.1230	-12	3/4"	36.5	30.2	37.0
23.6400.1630	-16	1"	36.5	30.2	37.0

MATERIAL: Carbon Steel

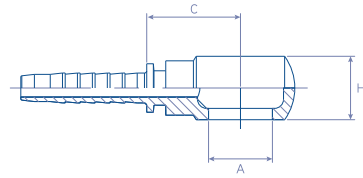
FINISH: Chromium-(VI) Free plating

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

BSP Banjo (RNR)

23.6500.

BS 5200



REFERENCE	hose dash	hose Ø inch	inch	C cut off mm	A mm	H mm
23.6500.0302	-3	3/16"	1/8"	19.0	1/8"	16.0
23.6500.0304	-3	3/16"	1/4"	20.0	1/4"	15.0
23.6500.0404	-4	1/4"	1/4"	19.2	1/4"	15.0
23.6500.0406	-4	1/4"	3/8"	21.7	3/8"	18.0
23.6500.0504	-5	5/16"	1/4"	19.0	1/4"	15.0
23.6500.0506	-5	5/16"	3/8"	22.5	3/8"	20.0
23.6500.0604	-6	3/8"	1/4"	19.5	1/4"	15.0
23.6500.0606	-6	3/8"	3/8"	22.0	3/8"	20.0
23.6500.0608	-6	3/8"	1/2"	27.5	1/2"	25.0
23.6500.0806	-8	1/2"	3/8"	22.5	3/8"	20.0
23.6500.0808	-8	1/2"	1/2"	28.0	1/2"	25.0
23.6500.1018	-10	5/8"	1/2"	28.0	1/2"	25.0
23.6500.1010	-10	5/8"	5/8"	27.5	5/8"	27.0
23.6500.1012	-10	5/8"	3/4"	31.5	3/4"	31.0
23.6500.1212	-12	3/4"	3/4"	32.0	3/4"	31.0
23.6500.1216	-12	3/4"	1"	39.7	1"	42.0
23.6500.1616	-16	1"	1"	40.5	1"	42.0

MATERIAL: Carbon Steel

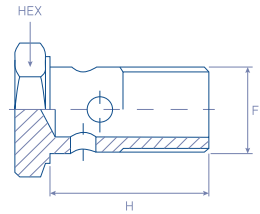
FINISH: Chromium-(VI) Free plating

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



BSP Banjo Bolt

88.1600.



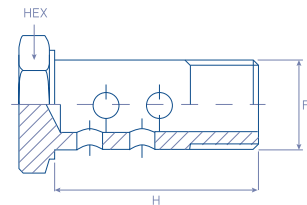
	F	H	HEX
REFERENCE	inch	mm	mm
88.1600.02	1/8"	19.0	14
88.1600.04	1/4"	25.0	19
88.1600.06	3/8"	31.0	22
88.1600.08	1/2"	38.0	27
88.1600.10	5/8"	41.0	30
88.1600.12	3/4"	46.0	32
88.1600.16	1"	58.0	41

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

BSP Banjo Double Bolt

88.1602.



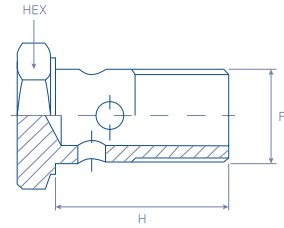
	F	H	HEX
REFERENCE	inch	mm	mm
88.1602.02	1/8"	33.0	14
88.1602.04	1/4"	43.0	19
88.1602.06	3/8"	51.0	22
88.1602.08	1/2"	63.0	27
88.1602.12	3/4"	80.0	32
88.1602.16	1"	110.0	41
88.1600.16	1"	58.0	41

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

Metric Banjo Bolt

88.1650.



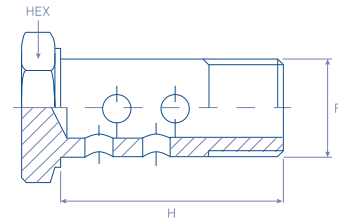
REFERENCE	F mm	H mm	HEX mm
88.1650.08	M8 x 1.0	16.0	12
88.1650.10	M10 x 1.0	19.0	14
88.1650.12	M12 x 1.5	23.0	17
88.1650.14	M14 x 1.5	25.0	19
88.1650.16	M16 x 1.5	31.0	22
88.1650.18	M18 x 1.5	36.0	24
88.1650.20	M20 x 1.5	38.0	27
88.1650.22	M22 x 1.5	38.0	27
88.1650.24	M24 x 1.5	41.0	30
88.1650.26	M26 x 1.5	46.0	32
88.1650.30	M30 x 1.5	58.0	38

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

Metric Banjo Double Bolt

88.1652.



REFERENCE	F mm	H mm	Hex mm
88.1652.08	M8 x 1.0	29.0	12
88.1652.10	M10 x 1.0	33.0	14
88.1652.12	M12 x 1.5	37.0	17
88.1652.14	M14 x 1.5	43.0	19
88.1652.16	M16 x 1.5	51.0	22
88.1652.18	M18 x 1.5	57.0	24
88.1652.22	M22 x 1.5	63.0	27

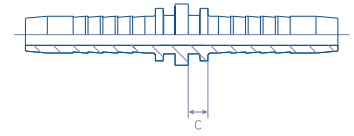
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating



Hose Connector

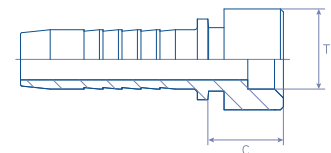
23.8100.



REFERENCE	hose	hose	C cut off
	dash	inch	mm
23.8100.03	-3	3/16"	17.0
23.8100.04	-4	1/4"	17.0
23.8100.05	-5	5/16"	17.0
23.8100.06	-6	3/8"	17.0
23.8100.08	-8	1/2"	18.0
23.8100.10	-10	5/8"	18.0
23.8100.12	-12	3/4"	19.0
23.8100.16	-16	1"	21.0

Brazing Tail

23.8150.



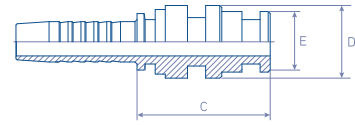
REFERENCE	hose	hose	C cut off	T
	dash	inch	mm	inch
23.8150.03	-3	3/16"	11.0	6.0
23.8150.04	-4	1/4"	12.5	8.0
23.8150.05	-5	5/16"	13.0	10.0
23.8150.06	-6	3/8"	14.0	12.0
23.8150.08	-8	1/2"	15.5	15.0
23.8150.10	-10	5/8"	16.5	18.0
23.8150.12	-12	3/4"	18.0	20.0
23.8150.16	-16	1"	20.5	25.0

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

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

Staple Lock Male

23.8300.



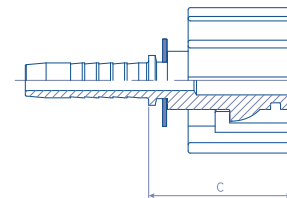
REFERENCE	hose dash	hose Ø inch	C cut off inch	D mm	E mm
23.8300.04	-4	1/4"	35.5	14.9	9.9
23.8300.06	-6	3/8"	34.5	19.9	13.9
23.8300.08	-8	1/2"	35.0	23.9	17.9
23.8300.10	-10	5/8"	36.0	25.9	20.9
23.8300.12	-12	3/4"	35.5	28.9	23.9
23.8300.16	-16	1"	44.0	38.9	30.9
23.8300.20	-20	1.1/4"	47.0	45.9	37.9
23.8300.24	-24	1.1/2"	51.0	54.9	46.9
23.8300.32	-32	2"	57.0	63.9	55.9

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

Balwash Female Swivel (Karcher)

23.6213.



REFERENCE	hose dash	hose inch	thread	C cut off mm
23.6213.0422	-4	1/4"	M22 x 1.5	31.0
23.6213.0522	-4	5/16"	M22 x 1.5	31.0
23.6213.0622	-5	3/8"	M22 x 1.5	31.0

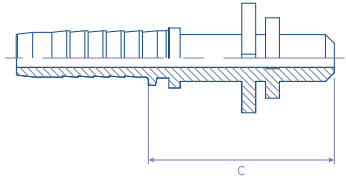
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating



Balwash Standpipe wit O-ring (Karcher)

23.6214.



REFERENCE	hose dash	hose inch	tube	C cut off mm
23.6214.04	-4	1/4"	10.0	33.0
23.6214.05	-4	5/16"	10.0	33.0

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating

Balwash Rubber Handle

11.800.



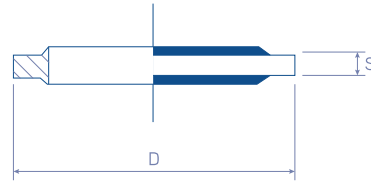
REFERENCE	hose dash	hose inch	I.D. mm
11.800.18	-5	5/16"	18.0
11.800.21	-6	3/8"	21.0

MATERIAL: Rubber

VERSIONS: Blue colour (add an 'A'
at the end of the REFERENCE)

BSP Bonded Seals

88.2003.



REFERENCE	I inch	S mm	D mm
88.2003.02	1/8"	2.1	16.0
88.2003.04	1/4"	2.1	20.5
88.2003.06	3/8"	2.1	24.0
88.2003.08	1/2"	2.5	28.0
88.2003.10	5/8"	2.5	32.0
88.2003.12	3/4"	2.5	34.0
88.2003.16	1"	3.4	43.0
88.2003.20	1.1/4"	3.4	53.0
88.2003.24	1.1/2"	3.5	59.0
88.2003.32	2"	3.4	73.0

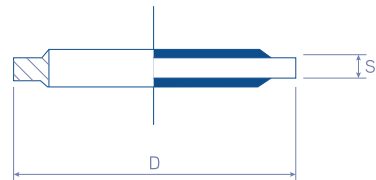
MATERIAL: Rubber Ring (NBR) and mild steel ring

FINISH: Chromium-(VI) Free plating

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

Metric Bonded Seals

88.2004.



REFERENCE	I inch	S mm	D mm
88.2004.06	6	1.3	12.0
88.2004.08	8	1.3	14.0
88.2004.10	10	2.1	16.0
88.2004.12	12	2.1	18.0
88.2004.14	14	2.1	22.0
88.2004.16	16	2.1	25.0
88.2004.18	18	2.5	25.0
88.2004.20	20	2.5	28.0
88.2004.22	22	2.5	32.0
88.2004.24	24	2.5	33.0
88.2004.26	26	2.5	35.0
88.2004.30	30	2.5	39.0

MATERIAL: Rubber Ring (NBR) and mild steel ring

FINISH: Chromium-(VI) Free plating

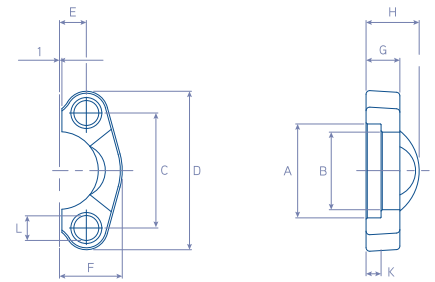
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



Split Flange 3000 PSI (code 61)

88.5300.

ISO 6162-1 / SAE J518



REFERENCE	size	A	B	C	D	E	F	G	H	K	L	Bolts	
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	M	UNC
88.5300.08	1/2"	31	24	38	54	9	23	13	19	6	9	M8	5/16"
88.5300.12	3/4"	39	32	48	65	11	26	14	22	6	11	M10	3/8"
88.5300.16	1"	45	38	52	70	13	29	16	24	7	11	M10	3/8"
88.5300.20	1.1/4"	52	44	59	79	15	36	14	22	7	12	M10	7/16"
88.5300.24	1.1/2"	61	51	70	94	18	41	16	25	7	15	M14	1/2"
88.5300.32	2"	72	63	78	102	21	48	16	26	9	14	M12	1/2"

MATERIAL: Carbon Steel

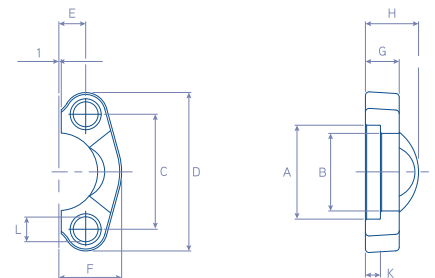
FINISH: Chromium-(VI) Free plating

VERSIONS: Uncut flange (88.5302)

Split Flange 6000 PSI (code 62)

88.5600.

ISO 6162-1 / SAE J518



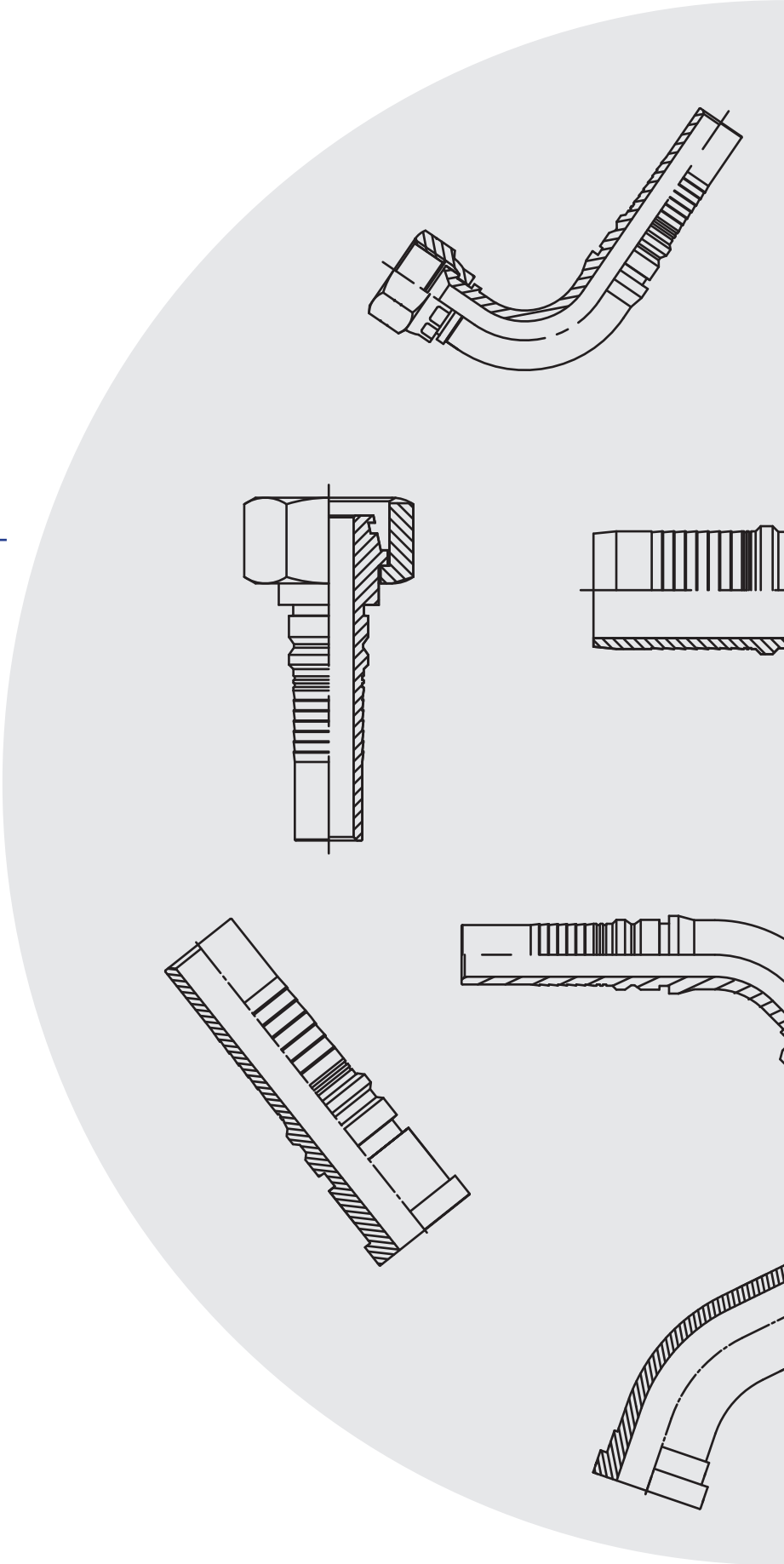
REFERENCE	size	A	B	C	D	E	F	G	H	K	L	Bolts	
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	M	UNC
88.5300.08	1/2"	33	25	41	56	9	24	16	22	7	9	M8	5/16"
88.5300.12	3/4"	42	33	51	71	12	30	19	28	8	11	M10	3/8"
88.5300.16	1"	48	39	57	81	14	35	24	33	9	13	M12	7/16"
88.5300.20	1.1/4"	55	44	67	95	16	39	27	38	10	15	M14	1/2"
88.5300.24	1.1/2"	64	52	79	113	18	48	30	43	12	17	M16	5/8"
88.5300.32	2"	80	68	97	133	22	57	37	52	12	21	M20	3/4"

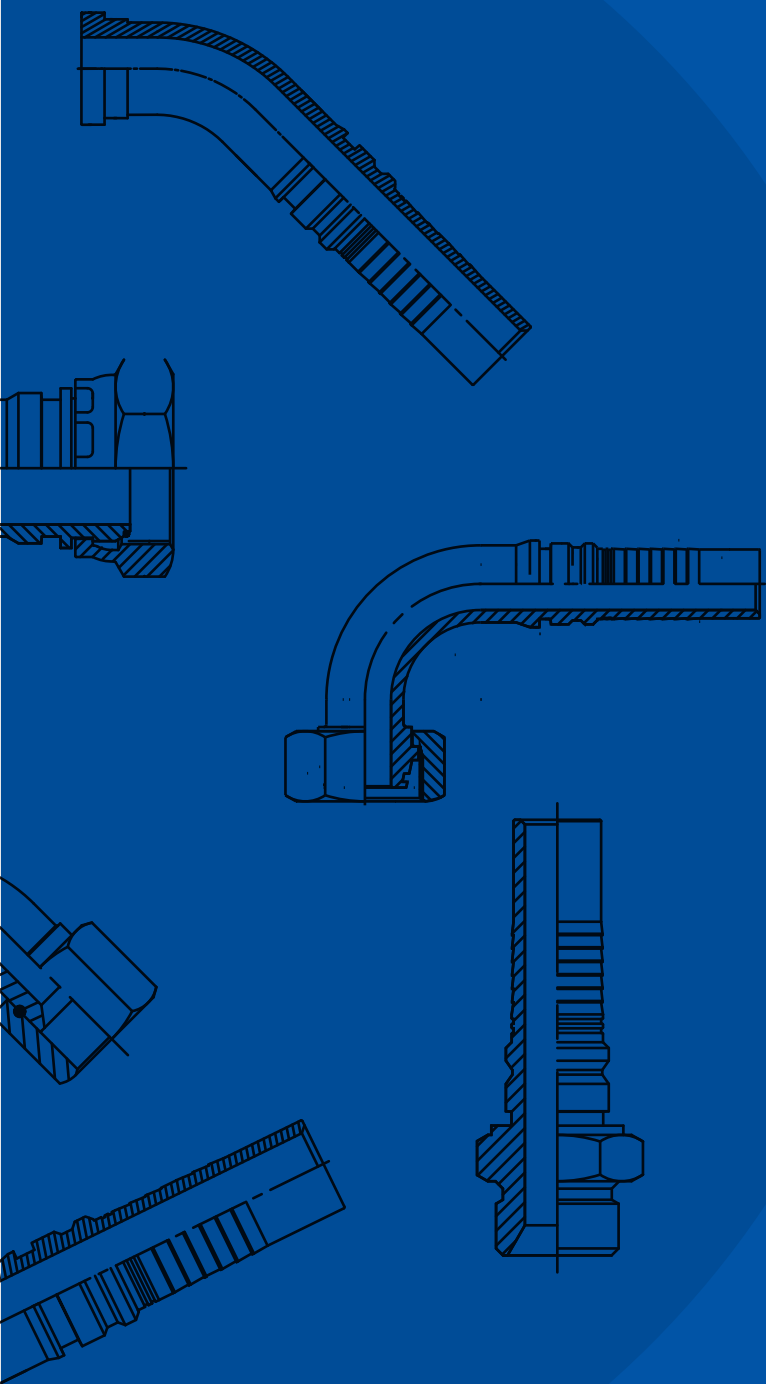
MATERIAL: Carbon Steel

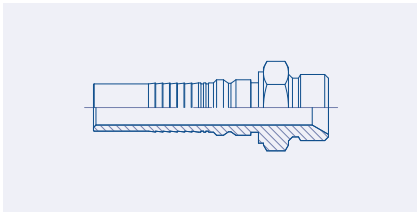
FINISH: Chromium-(VI) Free plating

VERSIONS: Uncut flange (88.5602)

Interlock Hydraulic Fittings



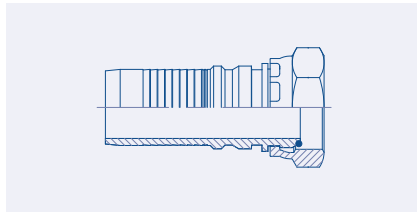




Interlock Male BSP Parallel Pipe (AGR)

26.0100

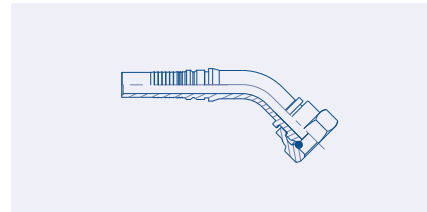
pag. 88



Interlock Female BSP Parallel Pipe with O-ring Swivel (DKOR)

26.3112

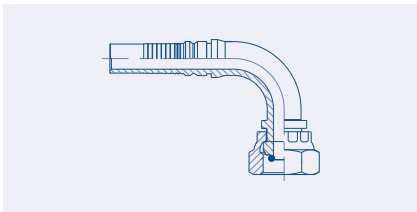
pag. 88



Interlock 45° Swept Female BSP Parallel Pipe with O-ring Swivel (DKOR 45°)

26.3142

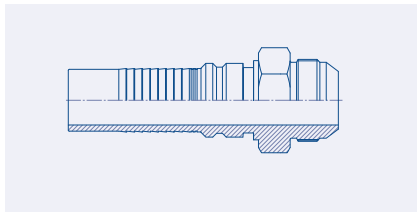
pag. 89



Interlock 90° Swept Female BSP Parallel Pipe with O-ring Swivel (DKOR 90°)

26.3192

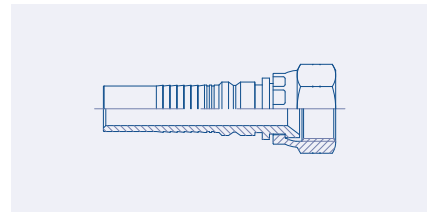
pag. 89



Interlock Male JIC 37° (AGJ)

26.2000

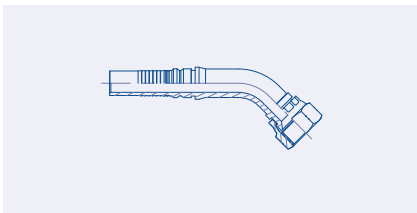
pag. 90



Interlock Female JIC 37° Swivel (DKJ)

26.4012

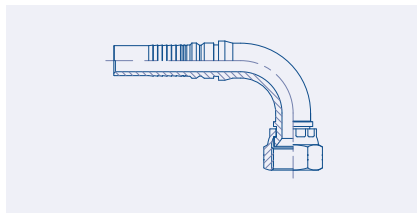
pag. 90



Interlock 45° Swept Female JIC 37° Swivel (DKJ 45°)

26.4042

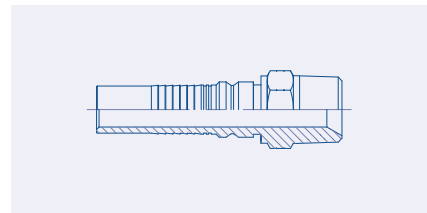
pag. 91



Interlock 90° Swept Female JIC 37° Swivel (DKJ 90°)

26.4092

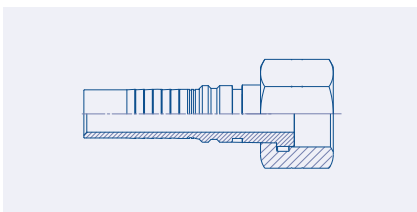
pag. 91



Interlock Male NPTF Pipe (AGN)

26.0400

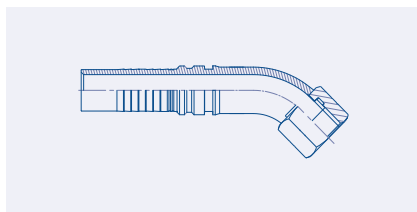
pag. 92



Interlock Female ORFS Swivel

26.4414

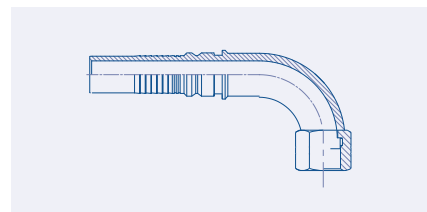
pag. 92



Interlock 45° Swept Female ORFS Swivel

26.4444

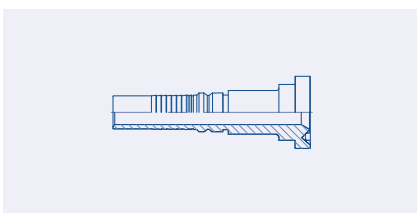
pag. 93



Interlock 90° Swept Female ORFS Swivel

26.4494

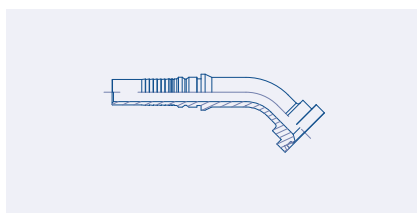
pag. 93



Interlock Straight SAE 3000 PSI (code 61) Flange (SFL)

26.7013

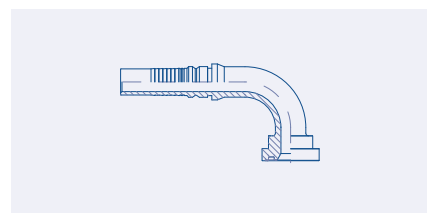
pag. 94



Interlock 45° Swept SAE 3000 PSI (code 61) Flange (SFL 45°)

26.7043

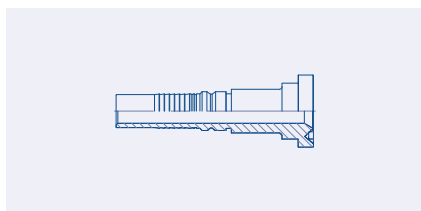
pag. 94



Interlock 90° Swept SAE 3000 PSI (code 61) Flange (SFL 90°)

26.7093

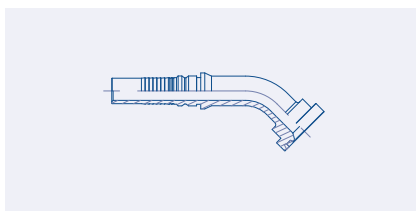
pag. 95



Interlock Straight SAE 6000 PSI (code 62) Flange (SFS)

26.7016

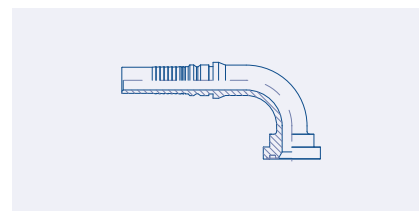
pag. 95



Interlock 45° Swept SAE 6000 PSI (code 62) Flange (SFS 45°)

26.7046

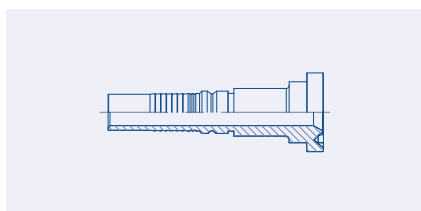
pag. 96



Interlock 90° Swept SAE 6000 PSI (code 62) Flange (SFS 90°)

26.7096

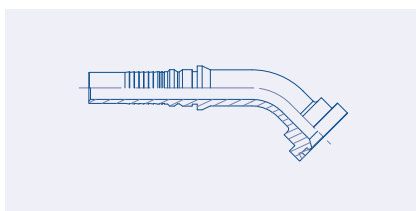
pag. 96



Interlock Straight SUPERCAT Flange

26.7116

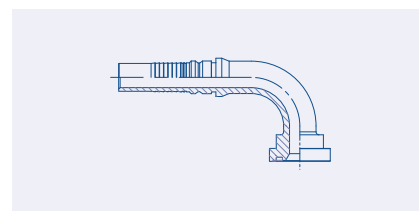
pag. 97



Interlock 45° Swept SUPERCAT Flange

26.7146

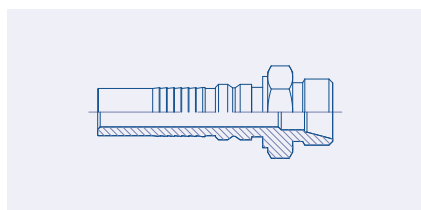
pag. 97



Interlock 90° Swept SUPERCAT Flange

26.7196

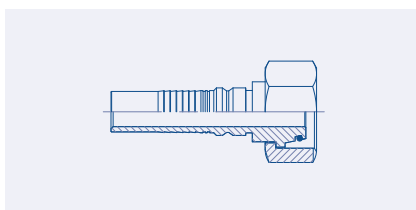
pag. 98



Interlock Male Metric Heavy Serie 24° Cone Seat (CES)

26.1100

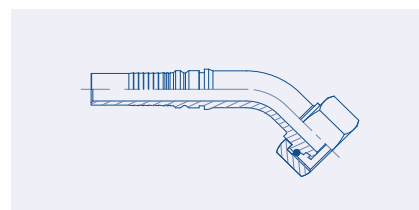
pag. 98



Interlock Female Metric Heavy Serie 24° Cone Seat Swivel (DKOS) 26.5113

26.5113

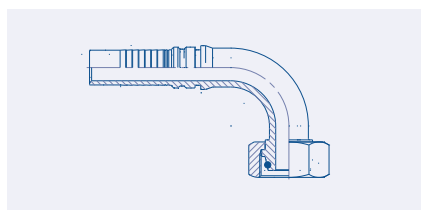
pag. 99



Interlock 45° Swept Female Metric Heavy Serie 24° Cone Seat Swivel (DKOS 45) 26.5143

26.5143

pag. 99



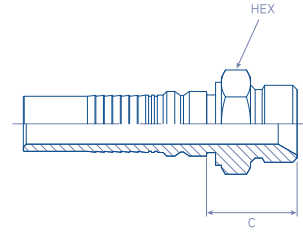
Interlock 90° Swept Female Metric Heavy Serie 24° Cone Seat Swivel (DKOS 90) 26.5193

26.5193

pag. 100

Interlock Male BSP Parallel Pipe (AGR)

26.0100.



REFERENCE	hose dash	hose Ø inch	thread inch	C Cut Off mm	HEX mm
26.0100.1212	-12	3/4"	3/4" - 14	36.5	32
26.0100.1616	-16	1"	1" - 11	42.5	41
26.0100.2020	-20	1.1/4"	1.1/4" - 11	46.7	50
26.0100.2424	-24	1.1/2"	1.1/2" - 11	49.5	55
26.0100.3232	-32	2"	2" - 11	56.5	70

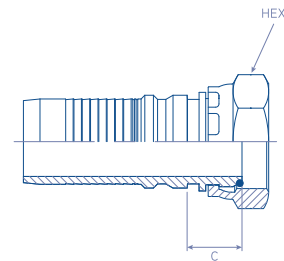
STANDARDS: ISO 12151-6 / ISO 8434-6 / BS 5200

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

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

Interlock Female BSP Parallel Pipe with O-ring Swivel (DKOR)

26.3112.



REFERENCE	hose dash	hose Ø inch	thread inch	C Cut Off mm	HEX mm
26.3112.1212	-12	3/4"	3/4" - 14	22.0	32
26.3112.1616	-16	1"	1" - 11	25.2	38
26.3112.2020	-20	1.1/4"	1.1/4" - 11	29.2	50
26.3112.2424	-24	1.1/2"	1.1/2" - 11	30.5	55
26.3112.3232	-32	2"	2" - 11	31.0	70

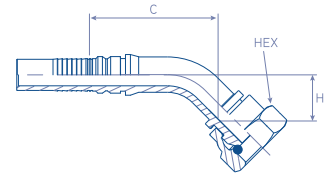
STANDARDS: ISO 12151-6 / ISO 8434-6 / BS 5200
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)



Interlock 45° Swept Female BSP Parallel Pipe with O-ring Swivel (DKOR 45°)



26.3142.

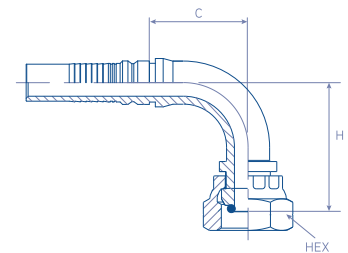
REFERENCE	hose dash	hose Ø inch	thread inch	C Cut Off mm	H mm	HEX mm
26.3142.1212	-12	3/4"	3/4" - 14	67.6	28.3	32
26.3142.1616	-16	1"	1" - 11	80.7	33.8	38
26.3142.2020	-20	1.1/4"	1.1/4" - 11	94.5	37.5	50
26.3142.2424	-24	1.1/2"	1.1/2" - 11	116.5	49.2	55
26.3142.3232	-32	2"	2" - 11	136.5	59.6	70

STANDARDS: ISO 12151-6 / ISO 8434-6 / BS 5200
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

Interlock 90° Swept Female BSP Parallel Pipe with O-ring Swivel (DKOR 90°)



26.3192.

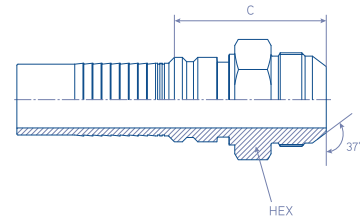
REFERENCE	hose dash	hose Ø inch	thread inch	C Cut Off mm	H mm	HEX mm
26.3192.1212	-12	3/4"	3/4" - 14	57.0	55.0	32
26.3192.1616	-16	1"	1" - 11	73.0	71.0	38
26.3192.2020	-20	1.1/4"	1.1/4" - 11	87.0	77.0	50
26.3192.2424	-24	1.1/2"	1.1/2" - 11	105.0	100.0	55
26.3192.3232	-32	2"	2" - 11	135.0	128.0	70

STANDARDS: ISO 12151-6 / ISO 8434-6 / BS 5200
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

Interlock Male JIC 37° (AGJ)



26.2000.

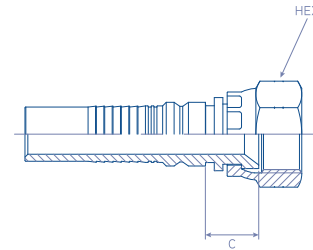
REFERENCE	hose dash	hose Ø inch	thread inch	C Cut Off mm	HEX mm
26.2000.1212	-12	3/4"	1.1/16" - 12	38.0	27
26.2000.1616	-16	1"	1.5/16" - 12	43.1	36
26.2000.2020	-20	1.1/4"	1.5/8" - 12	48.0	46
26.2000.2424	-24	1.1/2"	1.7/8" - 12	52.5	50
26.2000.3232	-32	2"	2.1/2" - 12	64.0	65

STANDARDS: ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514

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

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

Interlock Female JIC 37° Swivel (DKJ)



26.4012.

REFERENCE	hose dash	hose Ø inch	thread inch	C Cut Off mm	HEX mm
26.4012.1212	-12	3/4"	1.1/16" - 12	20.0	32
26.4012.1616	-16	1"	1.5/16" - 12	22.3	41
26.4012.2020	-20	1.1/4"	1.5/8" - 12	22.2	50
26.4012.2424	-24	1.1/2"	1.7/8" - 12	23.5	57
26.4012.3232	-32	2"	2.1/2" - 12	30.5	75

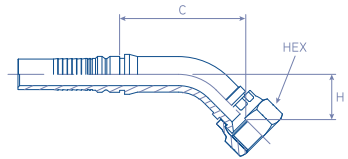
STANDARDS: ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)



Interlock 45° Swept Female JIC 37° Swivel (DKJ 45°)



26.4042.

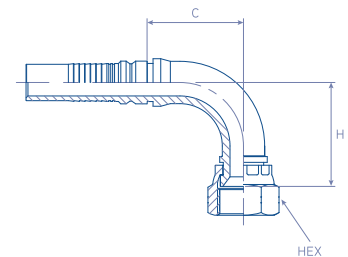
	hose	hose Ø	thread	C Cut Off	H	HEX
REFERENCE	dash	inch	inch	mm	mm	mm
26.4042.1212	-12	3/4"	1.1/16" - 12	68.0	28.3	32
26.4042.1616	-16	1"	1.5/16" - 12	81.0	32.0	38
26.4042.2020	-20	1.1/4"	1.5/8" - 12	94.5	37.5	50
26.4042.2424	-24	1.1/2"	1.7/8" - 12	116.5	49.2	55
26.4042.3232	-32	2"	2.1/2" - 12	148.0	64.0	75

STANDARDS: ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

Interlock 90° Swept Female JIC 37° Swivel (DKJ 90°)



26.4092.

	hose	hose Ø	thread	C Cut Off	H	HEX
REFERENCE	dash	inch	inch	mm	mm	mm
26.4092.1212	-12	3/4"	1.1/16" - 12	59.0	55.0	32
26.4092.1616	-16	1"	1.5/16" - 12	75.0	71.0	38
26.4092.2020	-20	1.1/4"	1.5/8" - 12	89.0	77.0	50
26.4092.2424	-24	1.1/2"	1.7/8" - 12	107.0	100.0	57
26.4092.3232	-32	2"	2.1/2" - 12	135.0	140.0	75

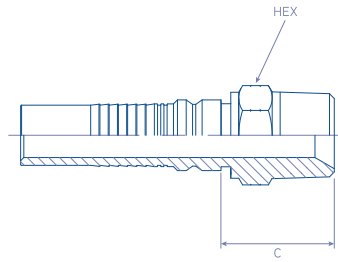
STANDARDS: ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

Interlock Male NPTF Pipe (AGN)

26.0400.

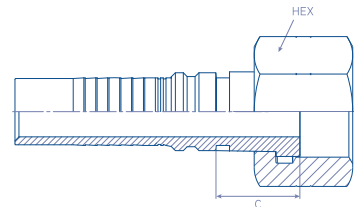


REFERENCE	hose dash	hose Ø inch	thread inch	C Cut Off mm	HEX mm
26.0400.1212	-12	3/4"	3/4" - 14	36.0	27
26.0400.1616	-16	1"	1" - 11.1/2	46.0	36
26.0400.2020	-20	1.1/4"	1.1/4" - 11.1/2	50.7	46
26.0400.2424	-24	1.1/2"	1.1/2" - 11.1/2	50.5	50
26.0400.3232	-32	2"	2" - 11.1/2	57.5	65

STANDARDS: SAE J516 / SAE J476A **FINISH:** Chromium-(VI) Free plating **VERSIONS:** Stainless Steel (add an 'S' at the end of the REFERENCE)
MATERIAL: Carbon Steel

Interlock Female ORFS Swivel

26.4414.

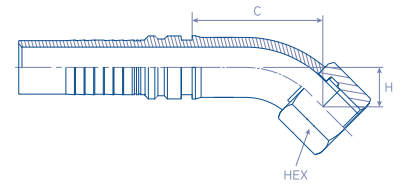


REFERENCE	hose dash	hose Ø inch	thread inch	C Cut Off mm	HEX mm
26.4414.1212	-12	3/4"	1.3/16" - 14	29.0	36
26.4414.1616	-16	1"	1.7/16" - 12	31.6	41
26.4414.2020	-20	1.1/4"	1.11/16" - 12	31.5	50
26.4414.2424	-24	1.1/2"	2" - 12	33.7	50

STANDARDS: ISO 12151-1 / ISO 8434-3 / SAE J516 **MATERIAL:** Carbon Steel **FINISH:** Chromium-(VI) Free plating **VERSIONS:** Stainless Steel (add an 'S' at the end of the REFERENCE)



Interlock 45° Swept Female ORFS Swivel



26.4444.

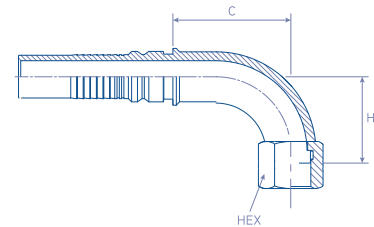
REFERENCE	hose dash	hose Ø inch	thread inch	C Cut Off mm	H mm	HEX mm
26.4444.1212	-12	3/4"	1.3/16" - 14	60.0	23.1	36
26.4444.1616	-16	1"	1.7/16" - 12	76.0	28.5	41
26.4444.2020	-20	1 1/4"	1 11/16" - 12	95.0	37.0	50
26.4444.2424	-24	1 1/2"	2" - 12	120.0	46.0	60

STANDARDS: ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514

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

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

Interlock 90° Swept Female ORFS Swivel



26.4494.

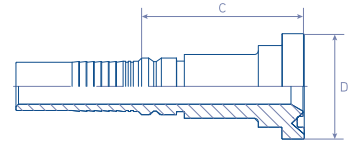
REFERENCE	hose dash	hose Ø inch	thread inch	C Cut Off mm	H mm	HEX mm
26.4494.1212	-12	3/4"	1.3/16" - 14	56.0	52.0	36
26.4494.1616	-16	1"	1.7/16" - 12	72.0	62.5	41
26.4494.2020	-20	1 1/4"	1 11/16" - 12	86.0	77.0	50
26.4494.2424	-24	1 1/2"	2" - 12	98.0	94.0	60

STANDARDS: ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514

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

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

Interlock Straight SAE 3000 PSI (code 61) Flange (SFL)



26.7013.

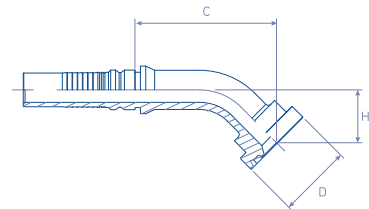
REFERENCE	hose dash	hose Ø inch	D Ø Flange mm	C Cut Off mm
26.7013.1212	-12	3/4"	38.1	40.0
26.7013.1216	-12	3/4"	44.5	43.0
26.7013.1616	-16	1"	44.5	44.5
26.7013.1620	-16	1"	50.8	44.5
26.7013.2020	-20	1.1/4"	50.8	46.7
26.7013.2024	-20	1.1/4"	60.3	49.0
26.7013.2424	-24	1.1/2"	60.3	50.5
26.7013.2432	-24	1.1/2"	71.4	72.0
26.7013.3232	-32	2"	71.4	73.5

STANDARDS: ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

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

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

Interlock 45° Swept SAE 3000 PSI (code 61) Flange (SFL 45°)



26.7043.

REFERENCE	hose dash	hose Ø inch	D Ø Flange mm	C Cut Off mm	H mm
26.7043.1212	-12	3/4"	38.1	68.5	26.7
26.7043.1216	-12	3/4"	44.5	68.0	30.6
26.7043.1616	-16	1"	44.5	82.5	32.5
26.7043.1620	-16	1"	50.8	83.0	34.5
26.7043.2020	-20	1.1/4"	50.8	84.3	31.0
26.7043.2024	-20	1.1/4"	60.3	87.1	31.0
26.7043.2424	-24	1.1/2"	60.3	123.0	46.5
26.7043.2432	-24	1.1/2"	71.4	123.5	50.5
26.7043.3232	-32	2"	71.4	140.0	53.2

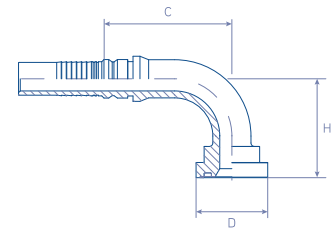
STANDARDS: ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

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

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



Interlock 90° Swept SAE 3000 PSI (code 61) Flange (SFL 90°)



26.7093.

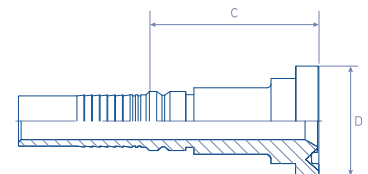
REFERENCE	hose dash	hose Ø inch	D Ø Flange mm	C Cut Off mm	H mm
26.7093.1212	-12	3/4"	38.1	63.0	56.5
26.7093.1216	-12	3/4"	44.5	58.0	58.0
26.7093.1616	-16	1"	44.5	75.0	65.0
26.7093.1620	-16	1"	50.8	67.5	61.0
26.7093.2020	-20	1.1/4"	50.8	83.7	69.2
26.7093.2024	-20	1.1/4"	60.3	82.3	69.2
26.7093.2424	-24	1.1/2"	60.3	109.0	90.0
26.7093.2432	-24	1.1/2"	71.4	109.0	104.0
26.7093.3232	-32	2"	71.4	145.0	123.0

STANDARDS: ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

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

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

Interlock Straight SAE 6000 PSI (code 62) Flange (SFS)



26.7016.

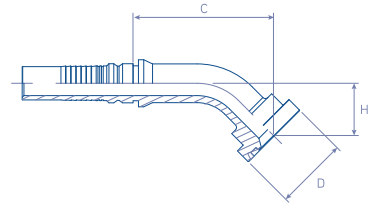
REFERENCE	hose dash	hose Ø inch	D Ø Flange mm	C Cut Off mm
26.7016.1212	-12	3/4"	41.3	46.0
26.7016.1216	-12	3/4"	47.6	56.5
26.7016.1616	-16	1"	47.6	57.5
26.7016.1620	-16	1"	54.0	64.5
26.7016.2020	-20	1.1/4"	54.0	67.2
26.7016.2024	-20	1.1/4"	63.5	71.0
26.7016.2424	-24	1.1/2"	63.5	73.0
26.7016.2432	-24	1.1/2"	79.4	75.0
26.7016.3232	-32	2"	79.4	83.5

STANDARDS: ISO 6162-2 / ISO 12151-3 / SAE J516 / SAE J518

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

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

Interlock 45° Swept SAE 6000 PSI (code 62) Flange (SFS 45°)



26.7046.

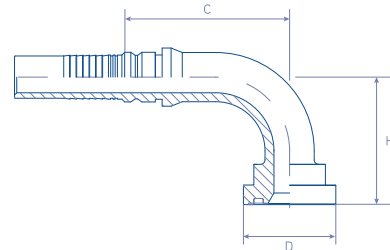
	hose	hose Ø	D Ø Flange	C Cut Off	H
REFERENCE	dash	inch	mm	mm	mm
26.7046.1212	-12	3/4"	41.3	69.0	29.5
26.7046.1216	-12	3/4"	47.6	77.0	33.0
26.7046.1616	-16	1"	47.6	79.0	31.0
26.7046.1620	-16	1"	54.0	99.0	39.0
26.7046.2020	-20	1.1/4"	54.0	110.0	44.0
26.7046.2024	-20	1.1/4"	63.5	112.7	48.0
26.7046.2424	-24	1.1/2"	63.5	115.0	47.0
26.7046.2432	-24	1.1/2"	79.4	131.3	57.0
26.7046.3232	-32	2"	79.4	154.0	64.0

STANDARDS: ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

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

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

Interlock 90° Swept SAE 6000 PSI (code 62) Flange (SFS 90°)



26.7096.

	hose	hose Ø	D Ø Flange	C Cut Off	H
REFERENCE	dash	inch	mm	mm	mm
26.7096.1212	-12	3/4"	41.3	55.0	58.0
26.7096.1216	-12	3/4"	47.6	58.0	65.0
26.7096.1616	-16	1"	47.6	77.0	66.0
26.7096.1620	-16	1"	54.0	76.0	80.0
26.7096.2020	-20	1.1/4"	54.0	97.2	86.0
26.7096.2024	-20	1.1/4"	63.5	99.9	100.0
26.7096.2424	-24	1.1/2"	63.5	108.5	104.0
26.7096.2432	-24	1.1/2"	79.4	107.5	119.5
26.7096.3232	-32	2"	79.4	145.0	134.0

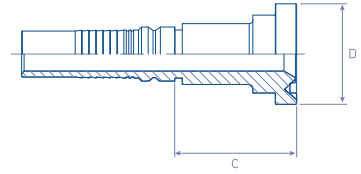
STANDARDS: ISO 6162-2 / ISO 12151-3 / SAE J516 / SAE J518

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

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



Interlock Straight SUPERCAT Flange



26.7116.

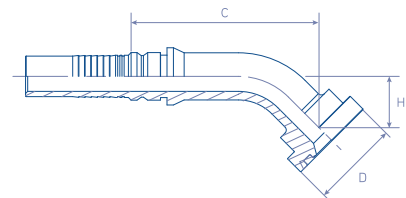
REFERENCE	hose dash	hose Ø inch	D Ø Flange mm	C Cut Off mm
26.7116.1212	-12	3/4"	41.3	50.0
26.7116.1216	-12	3/4"	47.6	64.0
26.7116.1616	-16	1"	47.6	65.0
26.7116.1620	-16	1"	54.0	71.0
26.7116.2020	-20	1.1/4"	54.0	73.0
26.7116.2024	-20	1.1/4"	63.5	84.0
26.7116.2424	-24	1.1/2"	63.5	77.0
26.7116.2432	-24	1.1/2"	79.4	82.0
26.7116.3232	-32	2"	79.4	90.0

STANDARDS: ISO 6162-2 / ISO 12151-3 / SAE J516 / SAE J518

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

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

Interlock 45° Swept SUPERCAT Flange



26.7146.

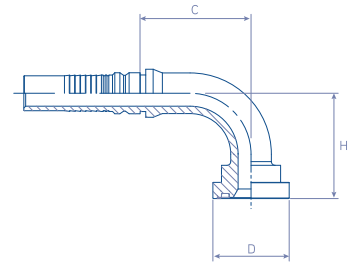
REFERENCE	hose dash	hose Ø inch	D Ø Flange mm	C Cut Off mm	H mm
26.7146.1212	-12	3/4"	41.3	72.0	32.0
26.7146.1216	-12	3/4"	47.6	79.0	36.0
26.7146.1616	-16	1"	47.6	83.0	34.0
26.7146.1620	-16	1"	54.0	95.0	41.0
26.7146.2020	-20	1.1/4"	54.0	114.0	46.0
26.7146.2024	-20	1.1/4"	63.5	116.0	48.0
26.7146.2424	-24	1.1/2"	63.5	120.0	48.0
26.7146.2432	-24	1.1/2"	79.4	132.0	59.0
26.7146.3232	-32	2"	79.4	170.0	63.0

STANDARDS: ISO 6162-2 / ISO 12151-3 / SAE J516 / SAE J518

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

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

Interlock 90° Swept SUPERCAT Flange



26.7196.

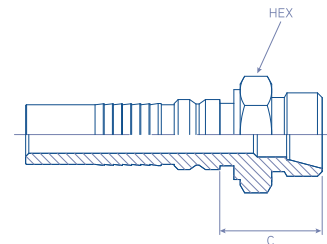
REFERENCE	hose dash	hose Ø inch	D Ø Flange mm	C Cut Off mm	H mm
26.7196.1212	-12	3/4"	41.3	57.0	60.0
26.7196.1216	-12	3/4"	47.6	57.0	68.0
26.7196.1616	-16	1"	47.6	78.0	70.0
26.7196.1620	-16	1"	54.0	78.0	82.0
26.7196.2020	-20	1.1/4"	54.0	106.0	90.0
26.7196.2024	-20	1.1/4"	63.5	106.0	100.0
26.7196.2424	-24	1.1/2"	63.5	113.0	106.0
26.7196.2432	-24	1.1/2"	79.4	113.0	122.0
26.7196.3232	-32	2"	79.4	153.0	134.0

STANDARDS: ISO 6162-2 / ISO 12151-3 / SAE J516 / SAE J518

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

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

Interlock Male Metric Heavy Serie 24° Cone Seat (CES)



26.1100.

REFERENCE	hose dash	hose Ø inch	thread	d Tube mm	C Cut Off mm	HEX mm
26.1100.1236	-12	3/4"	M36 x 2.0	25	44.0	41
26.1100.1642	-16	1"	M42 x 2.0	30	42.0	46
26.1100.2052	-20	1.1/4"	M52 x 2.0	38	48.2	55

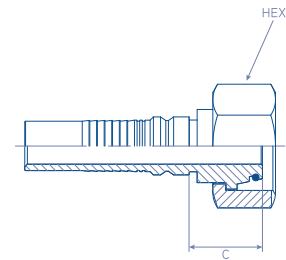
STANDARDS: ISO 12151-2 / ISO 8434-1

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

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



Interlock Female Metric Heavy Serie 24° Cone Seat Swivel (DKOS)



26.5113.

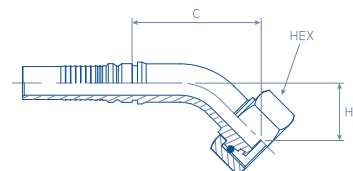
	hose	hose Ø	thread	d Tube	C Cut Off	HEX
REFERENCE	dash	inch		mm	mm	mm
26.5113.1236	-12	3/4"	M36 x 2.0	25	32.0	46
26.5113.1642	-16	1"	M42 x 2.0	30	35.5	50
26.5113.2052	-20	1.1/4"	M52 x 2.0	30	38.7	60

STANDARDS: ISO 12151-2 / ISO 8434-1

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

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

Interlock 45° Swept Female Metric Heavy Serie 24° Cone Seat Swivel (DKOS 45)



26.5143.

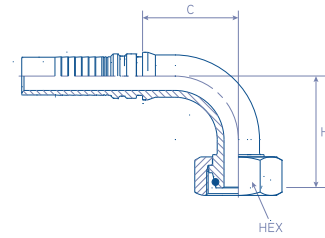
	hose	hose Ø	thread	d Tube	C Cut Off	H	HEX
REFERENCE	dash	inch		mm	mm	mm	mm
26.5143.1236	-12	3/4"	M36 x 2.0	25	88.0	31.0	46
26.5143.1642	-16	1"	M42 x 2.0	30	93.3	39.0	50
26.5143.2052	-20	1.1/4"	M52 x 2.0	38	115.1	46.5	60

STANDARDS: ISO 12151-2 / ISO 8434-1

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

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

Interlock 90° Swept Female Metric Heavy Serie 24° Cone Seat Swivel (DKOS 90)



26.5193.

	hose	hose Ø	thread	d Tube	C Cut Off	H	HEX
REFERENCE	dash	inch		mm	mm	mm	mm
26.5193.1236	-12	3/4"	M36 x 2.0	25	56.0	60.0	46
26.5193.1642	-16	1"	M42 x 2.0	30	76.0	75.0	50
26.5193.2052	-20	1.1/4"	M52 x 2.0	38	92.0	96.0	60

STANDARDS: ISO 12151-2 / ISO 8434-1

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

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

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U.S.A. and Canada

6000 South Loop East Freeway
Houston, Tx 77033
United States of America
Tel: (1) 713-928-6064
Email: sales@balflex.com
www.balflexusa.com

Europe Headquarters

R. Bouça dos Estilhadouros, 226/254
4445-044 Alfena
Portugal
Tel: (351) 22 96 98 160
Email: balflex@balflex.com
www.balflex.com

South America

R. Padre Cesari Lelli, 1014
Rodovia BR-116
CEP 83420-000 Quatro Barras/PR
Brasil
Tel: (55) 41 3671 3450
Email: comercial@balflex.com.br
www.balflex.com

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