









Parker Polymer Hose Distribution Catalogue

Hose, Fittings and Accessories

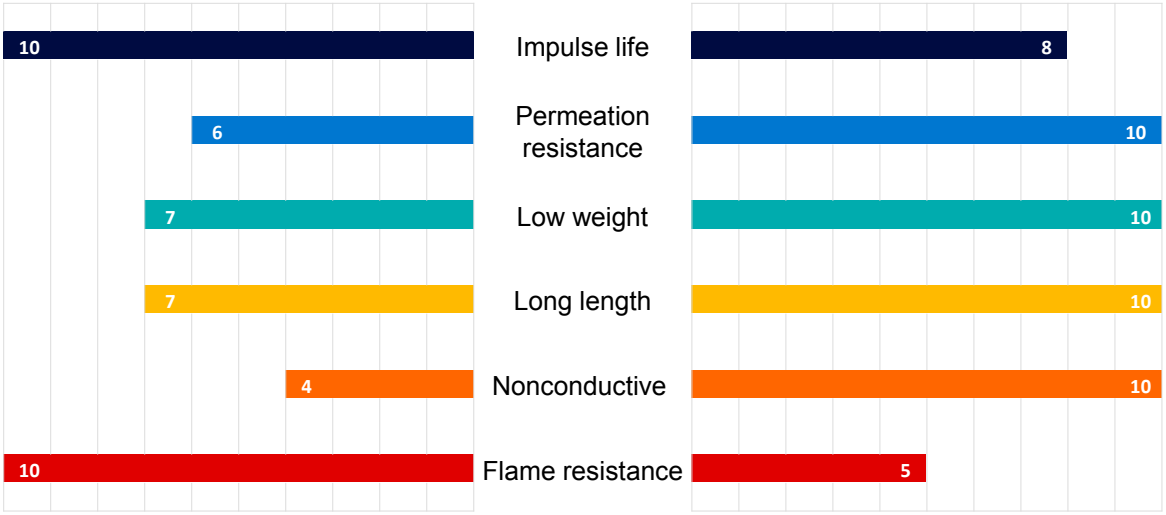


Parker

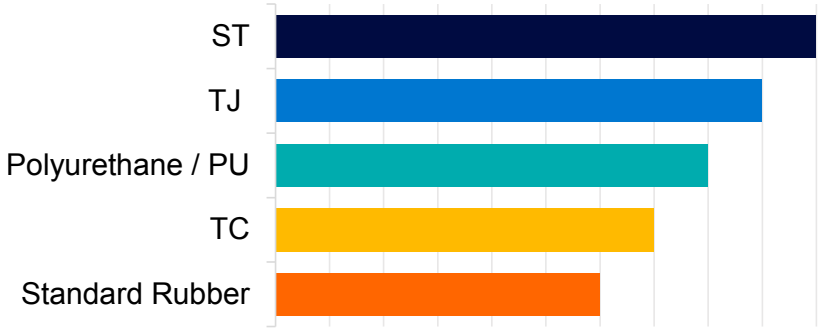
ENGINEERING YOUR SUCCESS.

How to chose the right hose

Rubber vs Thermoplastic



Abrasion resistance cover



*ST = SuperTough
*TJ = ToughJacket
*TC = ToughCover

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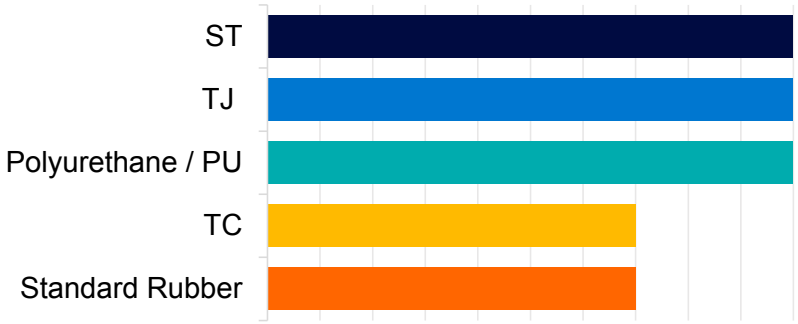
How to chose the right hose

Ozone resistance



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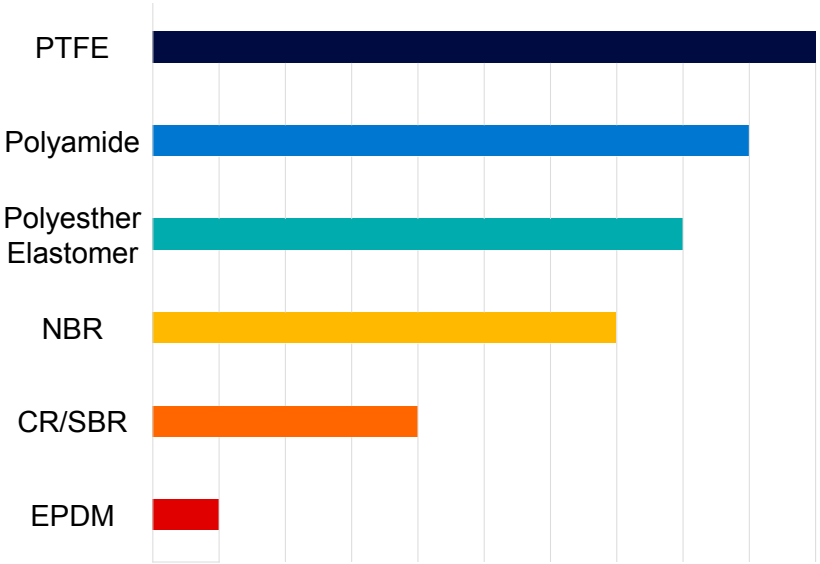
Chemical / Fluid resistance
Standard mineral oils



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If your application requires corrosion resistance

state of the art surface protection for hose fittings is the solution

400 hours

Our mandate for continuous improvement leads us to partner with our customers to create smaller, lighter, sustainable, more energy efficient and finally highly reliable solutions. Our goal is thus to provide you with state of the art surface protection for our standard hydraulic hose fittings in order to withstand the world's most demanding application requirements.

In terms of corrosion resistance properties, we decided to follow the needs of our customers and the market and chose improved red corrosion resistance four standard hose fittings.

Parker hose fittings with our chromium 6 free standard plating show a red corrosion resistance of at least **400 hours** of salt spray in a test carried out in accordance with DIN EN 9227.

Chromium-6 Free

Fittings with XTR coating for extreme resistance to corrosion

720 hours

An outstanding advantage for equipment used in highly caustic applications and environments, are Parker fittings with XTR (Extreme-Resistance) coating. This coating withstands corrosion more than seven times longer than the SAE standard of 96 hours. In fact, Parker's proprietary formulation has been tested to resist corroding for more than **720 hours**. In addition, Parker XTR coating is compliant with environmental restrictions worldwide, including RoHS, ELV and REACH.

Parker products with XTR coating guarantee all the leak-free performance and installation advantages that our customers expect. If your application requires highly-resistant coating, you can order hose fittings with the extension "ZJ" e. g. **1C348-12-12ZJ**



For special applications in demanding environments stainless steel is the preferred selection

For pneumatic and hydraulic applications in demanding environments, your connection requirements will be met by Parker's range of stainless steel products.
Parker offers a complete system of stainless steel products such as tubes, tube fittings or 1- or 2-piece hose fittings for low, medium and high-pressure hydraulic hoses – everything from one source and approved by well known international classification bodies. It goes without saying that Parker's stainless steel components are produced using superior quality stainless steel grade 1.4571, 1.4404, or 1.4401. Thanks to their resistance to corrosion and acids, all components are suitable for tough environments. However, some special applications require special materials and here you can rely on Parker as well – we have the resources to produce customised hose fittings for even the most demanding customer requirements.

Power in Stainless Steel

- Premier customer service
- Single-source solution
- Worldwide availability
- Customized products
- High-quality stainless steel materials
- Complementary design of tube & hose fittings



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Whatever application you have

we have the right solution

Polymer Hose Division Europe supplies premier customer service by focussing on customer needs and analysing the entire business environment in which our customers operate.

Our expertise spans the core motion and control technologies, and we apply it to make a meaningful difference in the lives of people everywhere. Parker can be found on and around everything that moves!
We engineer and manufacture high quality hoses and hose fittings to help our customers to achieve a higher level of profitability by considering

- our customers' needs and desires
- what hose and fitting technology our customers prefer
- how to advance customer's brand loyalty

By working with us, you have access to an integrated network of global manufacturing plants as well as sales and service offices in 50 countries.


Transportation


Military


Agriculture


Forestry


Utility Equipment


Machine Tool


Waste & Refuse


Marine


Ground Support Equipment


Personnel Lift Equipment


Construction


Grounds & Building Maintenance


Material Handling


Paving & Road Maintenance


Industrial


Inplant Automotive


Thermal Management

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Parker Hose Assembly Assistant

The right hose assembly at your fingertips with our new digital selector

Quick, Easy and Smart

- Easy selection of hoses and fittings
- Time saving
- Accurate and constantly up to date product specifications
- Online availability tool in all ParkerStore



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Hydraulic hoses and fittings

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This catalogue is designed to present a selection of core products dedicated to distribution channels. For any other technical details or references, please refer to our main catalogues **CAT/4400 - CAT/4401** and **CAT/4460**.

The Parker safety guide for selecting and using hose, tubing, fittings and related accessories is available on our website www.parker.com

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Hose fittings pressure ratings

* static working pressure
** dynamic working pressure

Fitting end connection	Description	Inch fittings (size) *Maximum working pressure (MPa) – design factor 4:1*											
		-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48
92, B1, B2	BSP swivel female	63.0		55.0	43.0	42.0	42.0	42.0	35.0	30.0	25.0		
EA, EB, EC	BSP swivel female with O-ring	45.0		45.0	42.0	42.0	42.0	42.0	35.0	30.0	25.0		
D9	BSP male	63.0		55.0	43.0		35.0	28.0	25.0	21.0	21.0		
01	NPTF male	83.0		69.0	69.0		52.0	45.0	35.0	21.0	17.5	35.0	35.0* 21.0**
03	SAE (JIC) 37° male	41.0	41.0	35.0	35.0	35.0	35.0	28.0	21.0	17.5	17.5		
06,37/3V, 39/3W	SAE (JIC) 37° swivel female	41.0	41.0	35.0	35.0	35.0	35.0	28.0	21.0	17.5	17.5		
15, 17, 19	ISO 6162-1 Flange (21.0 MPa/ 3000 psi)				35.0	35.0	35.0	35.0	28.0	28.0	21.0		
4A, 4N, 4F	ISO 6162-1 Flange (35.0 MPa/ 5000 psi)								35.0	35.0	35.0		
6E, 6F, 6G, 6N, XA, XF, XG, XN, X5, X7, X9	ISO 6162-2 Flange (42.0 MPa/ 6000 psi)				42.0		42.0	42.0	42.0	42.0	42.0		
6A	ISO 6162-2 Flange (42.0 MPa/ 6000 psi)				42.0		42.0	42.0	42.0	42.0	42.0		

Fitting end connection	Description	Inch fittings (size) *Maximum working pressure (MPa) – design factor 4:1*									
		-4	-5	-6	-8	-10	-12	-16	-20	-24	-32
JM, JC, J7, J9,	ORFS male / female	63.5		63.5	63.5	41.0	41.0	41.0	28.0	28.0	

Fitting end connection	Description	Metric tube (mm) • Light series – L *Maximum working pressure (MPa) – design factor 4:1*									
		6	8	10	12	15	18	22	28	35	42
CA, CE, CF	ISO 12151-2 swivel female with O-ring	31.5	42.5	40.0	35.0	31.5	31.5	28.0	21.0	16.0	16.0
D0	ISO 12151-2 male stud	25.0	42.5	40.0	35.0	31.0	28.0	28.0	21.0	16.0	16.0

Fitting end connection	Description	Metric tube (mm) • Heavy series – S *Maximum working pressure (MPa) – design factor 4:1*									
		6	8	10	12	14	16	20	25	30	38
C9, 0C, 1C	ISO 12151-2 swivel female with O-ring	63.0	63.0	63.0	63.0	63.0	42.0	42.0	42.0	42.0	42.0
D2	Male stud	63.0	63.0	63.0	63.0	63.0	42.0	42.0	42.0	42.0	42.0

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Hose fittings nomenclature

End configu-ration	Description	Standards	Common terms
01	Male NPTF Pipe – Rigid – Straight	SAE J476A / J516	AGN
03	Male JIC 37° – Rigid – Straight	ISO12151-5-S	AGJ
06	Female JIC 37° Swivel – Straight	ISO12151-5-SWS	DKJ
0C	Female Metric 24° – Heavy Series with O-ring – Swivel – 45° Elbow	ISO 12151-2 – SWE 45°-S	DKOS 45°
15/4A	ISO 6162-1 – Flange Head – Straight / SAE Flange Head (5000 psi)	ISO 12151-3-S-L	SFL
17/4F	ISO 6162-1 – Flange – 45° Elbow – 45° Elbow (5000 psi)	ISO 12151-3 – E45S – L	SFL 45°
19/4N	ISO 6162-1 – Flange Head – 90° Elbow (5000 psi)	ISO 12151-3-E-L	SFL 90°
1C	Female Metric 24° – Heavy Series with O-ring – Swivel – 90° Elbow	ISO 12151-2-SWE-S	DKOS 90°
37/3V	Female JIC 37° /SAE 45° – Dual Flare – Swivel Female 45° Elbow	ISO 12151-5-SWE 45°	DKJ 45°
39/3W	Female JIC 37° / SAE 45° – Dual Flare – Swivel Female 90° Elbow	ISO 12151-5-SWES	DKJ 90°
4A	ISO 6162-1 – Flange – Straight (5000 psi)		
4F	ISO 6162-1 – Flange – 45° Elbow (5000 psi)		
4N	ISO 6162-1 – Flange – 90° Elbow (5000 psi)		
6A	ISO 6162-2 – Flange – Straight	ISO 12151-3-S-S	SFS / 6000 psi
6F	ISO 6162-2 – Flange –45° Elbow	ISO 12151-3 – E45-S	SFS 45° / 6000 psi
6G	ISO 6162-2 – Flange – 60° Elbow		SFS 60°
6N	ISO 6162-2 – Flange – 90° Elbow	ISO 12151-3 – E-S	SFS 90° / 6000 psi
91	Male BSP Taper Pipe – Rigid – Straight	BS5200	AGR-K
92	Female BSP Parallel Pipe – Swivel – Straight (60° Cone)	BS5200-A	DKR
B1	Female BSP Parallel Pipe – Swivel – 45° Elbow (60° Cone)	BS 5200-D	DKR 45°
B2	Female BSP Parallel Pipe – Swivel – 90° Elbow (60° Cone)	BS 5200-B	DKR 90°
C3	Female Metric – Light Series – Swivel – Straight (Ball Nose)		DKL
C4	Female Metric – Light Series – Swivel – 45° Elbow (Ball Nose)		DKL 45°
C5	Female Metric – Light Series – Swivel – 90° Elbow (Ball Nose)		DKL 90°
C6	Female Metric – Heavy Series – Swivel – Straight (Ball Nose)		DKS
C9	Female Metric 24° – Heavy Series with O-ring – Swivel – Straight	ISO 12151-2-SWS-S	DKOS
CA	Female Metric 24° – Light Series with O-ring – Swivel – Straight	ISO 12151-2-SWS-L	DKOL
CE	Female Metric 24° – Light Series with O-ring – Swivel – 45° Elbow	ISO 12151-2-SWE 45°-L	DKOL 45°
CF	Female Metric 24° – Light Series with O-ring – Swivel – 90° Elbow	ISO 12151-2-SWE-L	DKOL 90°
D0	Male Metric 24° – Light Series – Rigid – Straight	ISO 12151-2-S-L	CEL
D2	Male Metric 24° – Heavy Series – Rigid – Straight	ISO 12151-2-S-S	CES
D9	Male BSP Parallel Pipe – Rigid – Straight (60° Cone)	BS5200	AGR
DD	Metric Standpipe – Light Series – Rigid – 45° Elbow		BEL 45°
EA	BSP Swivel Female with O-ring (60° Cone)	BS 5200, ISO 12151-6	DKOR
EB	BSP Swivel Female with O-ring – 45° Elbow (60° Cone)	BS 5200, ISO 12151-6	DKOR 45°
EC	BSP Swivel Female with O-ring – 90° Elbow (60° Cone)	BS 5200, ISO 12151-6	DKOR 90°
J7	Female ORFS – Swivel – 45° Elbow	ISO 12151-1 – SWE 45°, SAE J516	ORFS 45°
J9	Female ORFS – Swivel – 90° Elbow – Short Drop	ISO 12151-1 – SWES, SAE J516	ORFS 90°
JC	Female ORFS – Swivel – Straight – Short	ISO 12151-1 – SWSA, SAE J516	ORFS
JM	ORFS Male	ISO 12151-1-S, SAE J516	
VW39D	Push In Connector	(VW-Standard 39D-1401)	
WKS	Rubber hand grip		

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Conversion chart

	Unit	Base unit	Conversion unit	Factor
Length	1 inch	in	mm	25.4
	1 milllimetre	mm	in	0.03934
	1 foot	ft	m	0.3048
	1 metre	m	ft	3.28084
Area	1 square inch	sq in	cm^2	6.4516
	1 square centimetre	cm^2	sq in	0.1550
Volume	1 gallon (UK)	gal	l	4.54596
	1 litre	l	gal (UK)	0.219976
	1 gallon (US)	gal	l	3.78533
	1 litre	l	gal (US)	0.264177
Weight	1 pound	lb	kg	0.453592
	1 kilogramme	kg	lb	2.204622
Torque	1 pound foot	lb • ft	N • m	1.488164
	1 Newton metre	N • m	lb • ft	0.671969
Pressure	1 pound per square inch	psi	bar	0.06895
	1 bar	bar	psi	14.5035
	1 pound per square inch	psi	MPa	0.006895
	1 mega pascal	MPa	psi	145.035
	1 kilo pascal	kPa	bar	0.01
	1 bar	bar	kPa	100
	1 mega pascal	MPa	bar	10
	1 bar	bar	MPa	0.1
Velocity	1 foot per second	ft / s	m / s	0.3048
	1 metre per second	m / s	ft / s	3.28084
Flow rate	1 gallon per minute (UK)	gal / min.	l / min.	4.54596
	1 litre per minute	l / min.	gal / min. (UK)	0.219976
	1 gallon per minute (US)	gal / min.	l / min.	3.78533
	1 litre per minute	l / min.	gal / min. (US)	0.264178
Temperature	Fahrenheit degree	°F	°C	5/9 • (°F-32)
	Celsius degree	°C	°F	°C • (9/5) +32

(UK) Unit of United Kingdom
(US) Unit of USA

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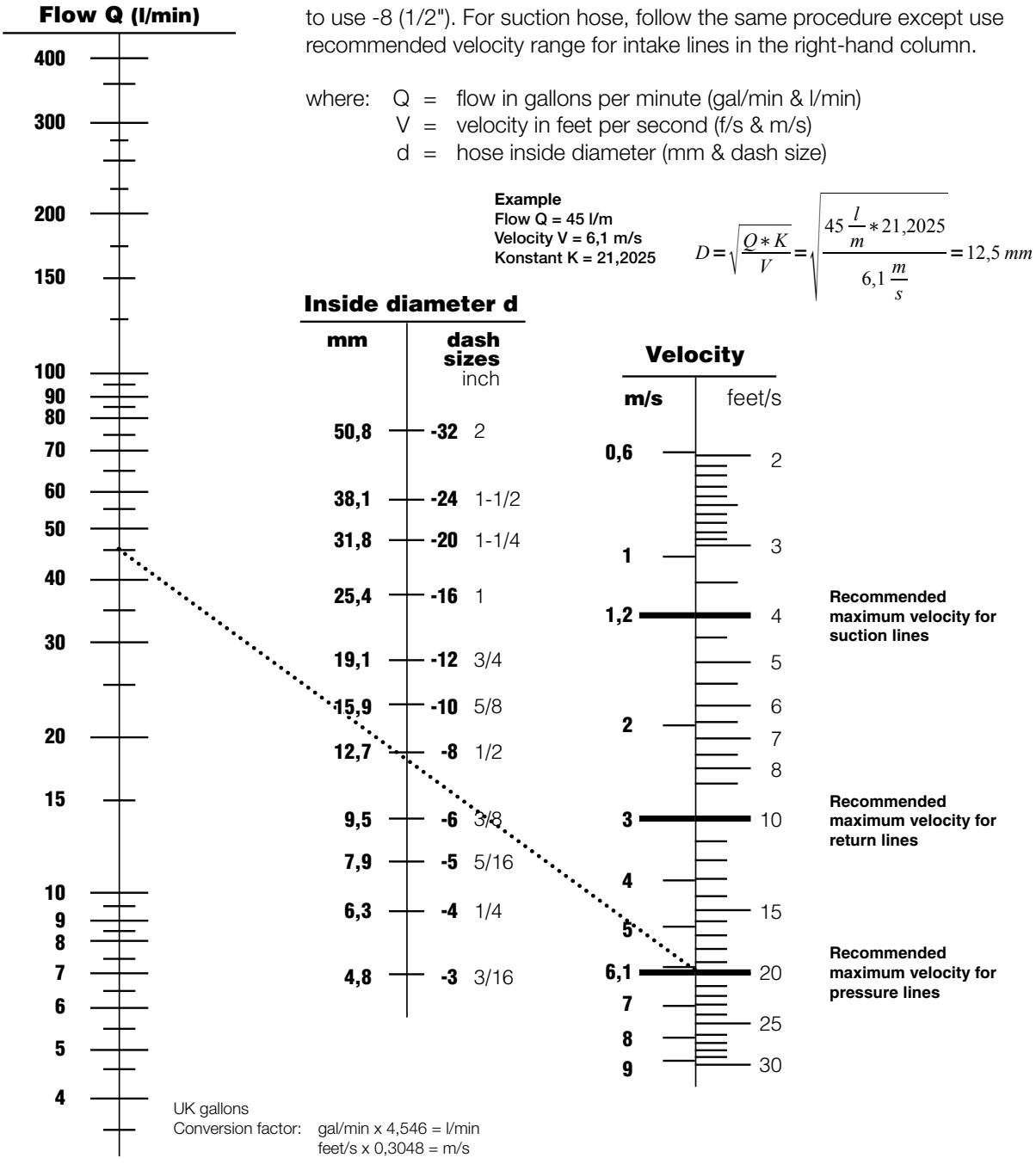
Flow capacity nomogram

The chart below is provided as an aid in the determination of the correct hose size.
Example: at 10 gallons per minute (gal/min), what is the proper hose size within the recommended velocity range for pressure lines?
Locate 10 gallons per minute in the left-hand column and 20 feet per second in the right-hand column (the maximum recommended velocity range for pressure lines). Lay a straight line across these two points.
The inside diameter shown in the centre column is above -6 so we have to use -8 (1/2"). For suction hose, follow the same procedure except use recommended velocity range for intake lines in the right-hand column.

where: Q = flow in gallons per minute (gal/min & l/min)
V = velocity in feet per second (f/s & m/s)
d = hose inside diameter (mm & dash size)

Example
Flow Q = 45 l/m
Velocity V = 6,1 m/s
Konstant K = 21,2025

$$D = \sqrt{\frac{Q * K}{V}} = \sqrt{\frac{45\ \frac{l}{m} * 21{,}2025}{6{,}1\ \frac{m}{s}}} = 12{,}5\ mm$$



UK gallons
Conversion factor: gal/min x 4,546 = l/min
feet/s x 0,3048 = m/s

* Recommended velocities are according to hydraulic fluids of maximum viscosity 315 S.S.U. at 38°C working at roomtemperature within 18° and 68°C.

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The correct method to fit female swivel ends

To ensure a leakproof seal between swivel female hose ends shown in this catalogue and the appropriate adaptors it is necessary to follow the procedure below which is different from hydraulic tube assembly.

Flats From Wrench Resistance (FFWR)

Parker's recommended assembly method for JIC 37° flare, SAE 45° flare and ORFS swivel female is Flats From Wrench Resistance (FFWR). The torque values assigned by size are for reference only, and are only applicable to Parker system components using the FFWR method with trivalent chromate passivation on zinc plating of carbon steel components without lubrication.

Metal-to-metal seal

Screw the nut up hand tight and then tighten further with a spanner according to the values mentioned in the table below. Ensure that in all cases the hose is correctly aligned before tightening the nut onto the corresponding adaptor.

Spanner torque values

Metric swivel female

Thread metric	Tube O.D.	Nm nominal	Nm min. - max.
M 12x1.5	06L	16	15 - 17
M 14x1.5	08L	16	15 - 17
M 16x1.5	10L	26	25 - 28
M 18x1.5	12L	37	35 - 39
M 22x1.5	15L	47	45 - 50
M 26x1.5	18L	89	85 - 94
M 30x2	22L	116	110 - 121
M 36x2	28L	137	130 - 143
M 45x2	35L	226	215 - 237
M 52x2	42L	347	330 - 363
M 14x1.5	06S	26	25 - 28
M 16x1.5	08S	42	40 - 44
M 18x1.5	10S	53	50 - 55
M 20x1.5	12S	63	60 - 66
M 22x1.5	14S	79	75 - 83
M 24x1.5	16S	84	80 - 88
M 30x2	20S	126	120 - 132
M 36x2	25S	179	170 - 187
M 42x2	30S	263	250 - 275
M 52x2	38S	368	350 - 385

BSP swivel female

Thread BSPP	size	Nm nominal	Nm min. - max.
G1/4	-4	20	15 - 25
G3/8	-6	34	27 - 41
G1/2	-8	60	42 - 76
G5/8	-10	69	44 - 94
G3/4	-12	115	95 - 135
G1	-16	140	115 - 165
G1-1/4	-20	210	140 - 280
G1-1/2	-24	290	215 - 365
G2	-32	400	300 - 500

JIC 37° swivel female

Thread UNF	size	Flats From Wrench Resistance (FFWR)	Swivel Nut Torque Nm (Ref)
7/16-20	-4	2	18
1/2-20	-5	2	20
9/16-18	-6	1-1/2	30
3/4-16	-8	1-1/2	57
7/8-14	-10	1-1/2	81
1.1/16-12	-12	1-1/4	114
1.5/16-12	-16	1	160
1.5/8-12	-20	1	228
1.7/8-12	-24	1	265
2.1/2-12	-32	1	360

ORFS swivel female

Thread UNF	size	Flats From Wrench Resistance (FFWR)	Swivel Nut Torque Nm (Ref)
9/16-18	-4	1/2 to 3/4	25
11/16-16	-6	1/2 to 3/4	40
13/16-16	-8	1/2 to 3/4	55
1-14	-10	1/2 to 3/4	80
1.3/16-12	-12	1/3 to 1/2	115
1.7/16-12	-16	1/3 to 1/2	150
1.11/16-12	-20	1/3 to 1/2	205
2-12	-24	1/3 to 1/2	315
2-1/2x12	-32	–	–

Note: The assembly torques listed for UNF threads are higher than the test torques published in SAE J1453.

The torque values for other materials are as follows:

- Brass fittings and adapters
  65 % of the torque value for steel
- Stainless steel and Monel
  Use 5% higher than listed for steel.
  Threads to be lubricated for these materials.
- Dissimilar metals
  Use torque value designated for the lower of the two metals.
- All fittings are dry except as noted above.

Note

Values given in tables are typical to achieve the recommended assembly methods when fitting material is steel zinc plated.
For other materials different values will be applicable (see our recommendations for other materials on this page).

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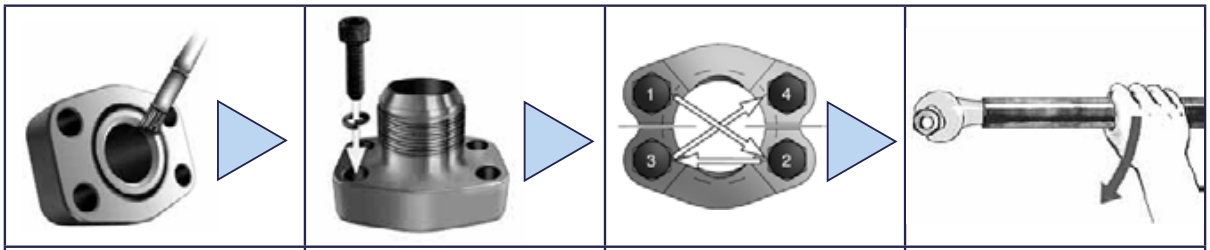
The correct method to fit ISO 6162-1 flange



• Make sure sealing surfaces are free of burrs, nicks, scratches or any contamination • Lubricate the O-ring with system fluid or compatible lubricant	• Position flange and clamp halves • Place lock washers on bolts and bolt through clamp halves	• Hand tighten bolts • Torque bolts in diagonal sequence in small increments to the appropriate torque level listed in chart	• Tighten bolts according to chart

Spanner torque values

ISO 6162-1 flange

DN	Inch	Size	G Thread metric	Assembly torque Tolerances: max. 10%; min. 0% Nm	G Thread UNC (Inch)	Assembly torque Tolerances: max. 10%; min. 0% Nm
13	1/2	-8	M8x1.25	24	5/16-18	24
19	3/4	-12	M10x1.5	50	3/8-16	43
25	1	-16	M10x1.5	50	3/8-16	43
32	1-1/4	-20	M10x1.5	50	7/16-14	70
38	1-1/2	-24	M12x1.75	92	1/2-13	105
51	2	-32	M12x1.75	92	1/2-13	105
64	2-1/2	-40	M12x1.75	92	1/2-13	105
76	3	-48	M16x2	210	5/8-11	210
89	3-1/2	-56	M16x2	210	5/8-11	210
102	4	-64	M16x2	210	5/8-11	210
127	5	-80	M16x2	210	5/8-11	210

ISO 6162-1 flange 5000 psi

DN	Inch	Size	G Thread metric	Assembly torque Tolerances: max. 10%; min. 0% Nm	G Thread UNC (Inch)	Assembly torque Tolerances: max. 10%; min. 0% Nm
32	1-1/4	-20	-	-	7/16-14	70
38	1-1/2	-24	-	-	1/2-13	105
51	2	-32	-	-	1/2-13	105

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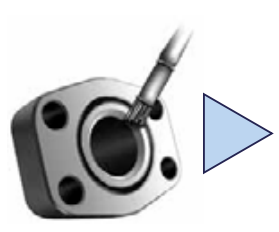
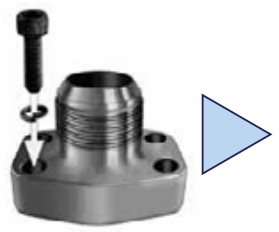
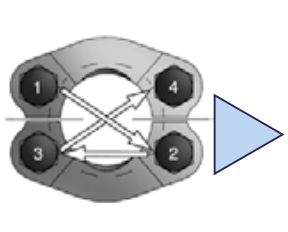
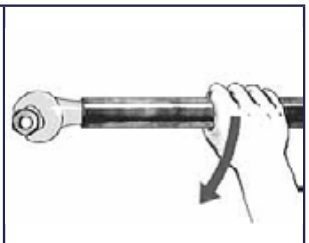
The correct method to fit ISO 6162-2 flange

			
• Make sure sealing surfaces are free of burrs, nicks, scratches or any contamination • Lubricate the O-ring with system fluid or compatible lubricant	• Position flange and clamp halves • Place lock washers on bolts and bolt through clamp halves	• Hand tighten bolts • Torque bolts in diagonal sequence in small increments to the appropriate torque level listed in chart	• Tighten bolts according to chart

Spanner torque values

ISO 6162-2 flange

DN	Inch	Size	G Thread metric	Assembly torque Tolerances: max. 10%; min. 0% Nm	G Thread UNC (Inch)	Assembly torque Tolerances: max. 10%; min. 0% Nm
13	1/2	-8	M8x1.25	24	5/16-18	24
19	3/4	-12	M10x1.5	50	3/8-16	43
25	1	-16	M12x1.75	92	7/16-14	70
32	1-1/4	-20	M12x1.75	130	1/2-13	105
32	1-1/4	-20	M14x2	150	-	-
38	1-1/2	-24	M16x2	210.0	5/8-11	210
51	2	-32	M20x2.5	400.0	3/4-10	360
64	2-1/2	-40	M24x3	600.0	-	-
76	3	-48	M30x3.5	650.0	-	-

ISO 6162-2 flange 8000 psi

DN	Inch	Size	G Thread metric	Assembly torque Tolerances: max. 10%; min. 0% Nm	G Thread UNC (Inch)	Assembly torque Tolerances: max. 10%; min. 0% Nm
19	3/4	-12	M10x1.5	60	3/8-16	-
25	1	-16	M12x1.75	92	7/16-14	-
32	1-1/4	-20	M12x1.75	130	1/2-13	-
32	1-1/4	-20	M14x2	150	-	-

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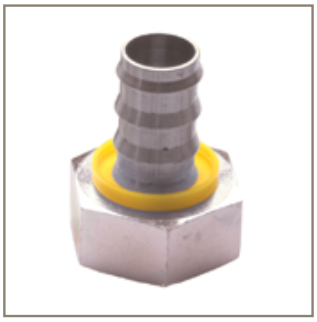





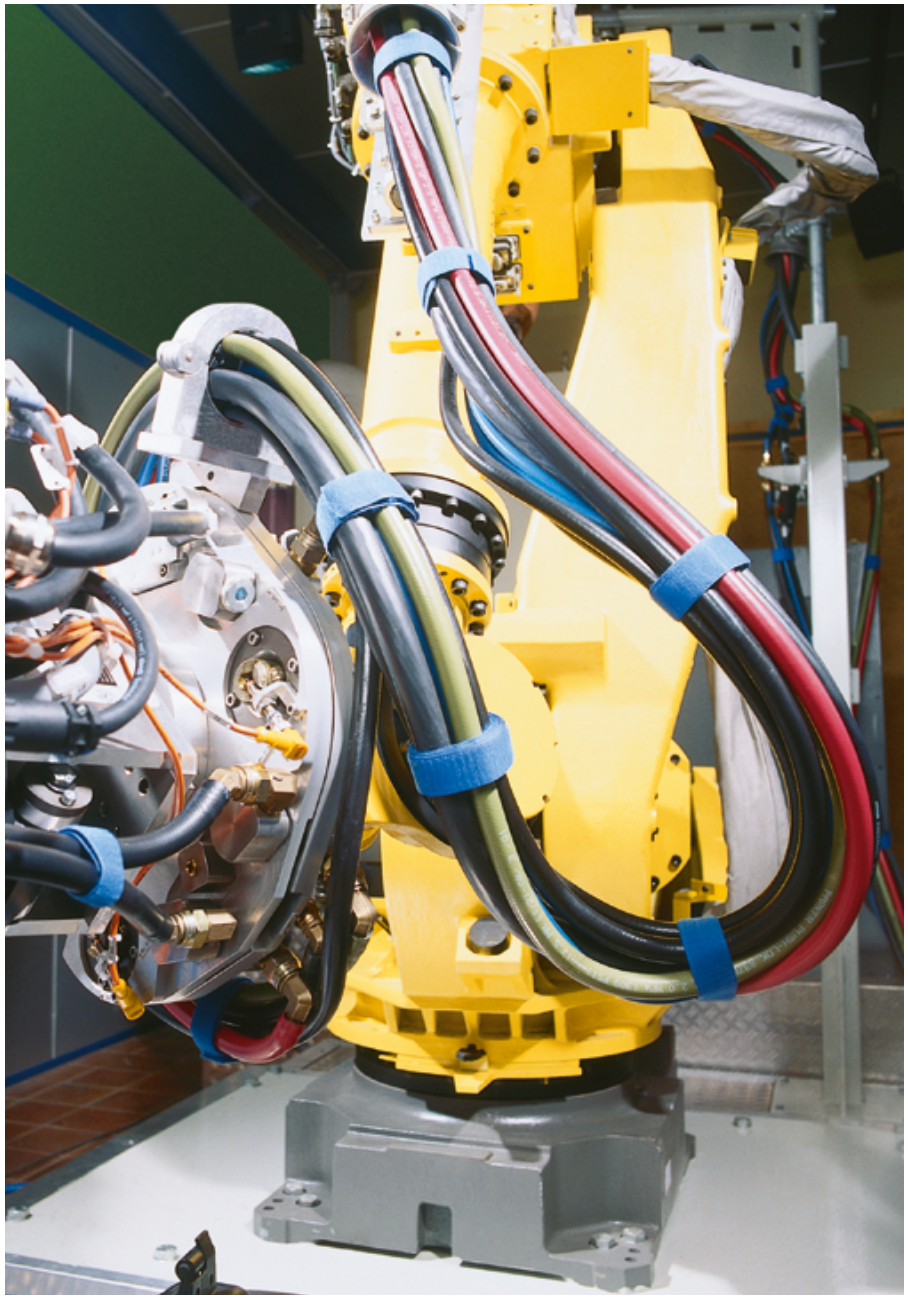

Hoses & Fittings

LOW PRESSURE



Parker

ENGINEERING YOUR SUCCESS.

Low Pressure - Hoses

Hoses			Page
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Low Pressure - Fittings - 82 Series

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RUBBER HOSES

Multipurpose

801PLUS
A-3

Push-Lok Plus
For a variety of applications

837BM
A-4

Push-Lok
For a variety of applications including automotive

837PU-*plus*
A-5

Hybrid Push-Lok
For a variety of high demanding applications

THERMOPLASTIC HOSES

Multipurpose

830M
A-6

Push-Lok
For a variety of applications including automotive

Non-conductive

838M
A-7

Push-Lok
For non-conductive applications

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801PLUS

Push-Lok Plus

For a variety of applications



- Global availibility and performance
- Very flexible
- Available in 6 colours
- Available up to size -16
- Nitrile (NBR) inner tube – extended fluid compatibility
- Improved oil compatibility

Primary Applications

All Markets: For low pressure applications
Paper and Pulp: For water / air applications

Restrictions

Not permitted for use in air brake systems, high dynamic pulsation systems and with dry air.
Not recommended for fuels.

Construction

Inner tube: Nitrile (NBR)
Reinforcement: High-tensile fibre braid
Cover: High performance synthetic rubber in different colours

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids

Air, water, water-oil emulsions, water-glycol and mineral based hydraulic respectively lubricating oils.

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		Vaccum*	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
801PLUS-4-XXX-RL	6	1/4	-4	6.4	12.1	2.4	350	9.7	1400	95	65	0.13
801PLUS-6-XXX-RL	10	3/8	-6	9.5	15.6	2.4	350	9.7	1400	95	75	0.16
801PLUS-8-XXX-RL	12	1/2	-8	12.7	19.4	2.1	300	8.4	1200	95	125	0.27
801PLUS-10-XXX-RL	16	5/8	-10	15.9	23.1	2.1	300	8.4	1200	51	150	0.28
801PLUS-12-XXX-RL	19	3/4	-12	19.1	25.7	2.1	300	8.4	1200	51	180	0.36
801PLUS-16-XXX-RL	25	1	-16	25.4	33.0	1.4	200	5.6	800	51	250	0.55

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa

Note: When ordering, please replace in the part number XXX with the relavant colour code. Example: 801PLUS-4-BLU-RL

For 801PLUS in yellow (YEL) only, please consider the part-number without PLUS. Example: 801-4-YEL-RL

Colour codes

BLK = black
BLU = blue
RED = red
GRN = green
GRA = grey
YEL = yellow



RL = only available on reels

Hose layline example



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837BM

Push-Lok

For a variety of applications
including automotive



- High level of hose flexibility
- High abrasion resistance
- Free from wetting disturbing substances (LABS free)
- Low push-in forces

Primary Applications

All Markets: For a variety of applications
Automotive: For water / air applications

Restrictions

Not permitted for use in air brake systems and high dynamic pulsation systems.
Not recommended for fuels, mineral based hydraulic and lubricating oils and water-oil-emulsion.

Construction

Inner tube: Synthetic rubber
Reinforcement: High-tensile fibre braid
Cover: High performance synthetic rubber in different colours

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids

Air, dry air, water and water-glycol-emulsions.

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		Vaccum*	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
837BM-4-XXX-RL	6	1/4	-4	6.4	12.1	1.6	235	6.4	940	95	65	0.13
837BM-6-XXX-RL	10	3/8	-6	9.5	15.6	1.6	235	6.4	940	95	75	0.16
837BM-8-XXX-RL	12	1/2	-8	12.7	19.4	1.6	235	6.4	940	95	125	0.27
837BM-10-XXX-RL	16	5/8	-10	15.9	23.1	1.6	235	6.4	940	51	150	0.28
837BM-12-XXX-RL	19	3/4	-12	19.1	25.7	1.6	235	6.4	940	51	180	0.36
837BM-16-XXX-RL	25	1	-16	25.4	33.0	1.6	235	6.4	940	51	250	0.55

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
Note: When ordering, please replace in the part number XXX with the relavant colour code. Example: 837BM-4-GRN-RL

Colour codes
BLK = black
BLU = blue
RED = red
GRN = green
GRA = grey

RL = only available on reels



Hose layline example

PARKER PUSH-LOK 837BM-10 WP 1,6 MPa (235 PSI) I • • 16 mm (5/8)

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837PU-*Plus*

Hybrid Push-Lok

For a variety of high demanding applications



- High level of hose flexibility
- High abrasion resistance
- High torsion resistance
- Free from wetting disturbing substances (LABS free)
- Low push-in forces

Primary Applications

All Markets: For high demand applications
For energy chain systems
Robot and Automotive market:
For hose bundle systems

Restrictions

Not permitted for use in air brake systems and high dynamic pulsation systems.
Not recommended for fuels, mineral based hydraulic and lubricating oils and water-oil-emulsion.

Construction

Inner tube: Synthetic rubber
Reinforcement: High-tensile fibre braid
Cover: High performance polyurethane material in different colours

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids

Air, dry air, water and water-glycol-emulsions.

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		Vaccum*	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
837PU-4-XXX-RL	6	1/4	-4	6.4	12.3	1.6	235	6.4	940	95	30	0.11
837PU-6-XXX-RL	10	3/8	-6	9.5	15.5	1.6	235	6.4	940	95	50	0.15
837PU-8-XXX-RL	12	1/2	-8	12.7	19.5	1.6	235	6.4	940	95	70	0.26
837PU-10-XXX-RL	16	5/8	-10	15.9	22.6	1.6	235	6.4	940	51	90	0.27
837PU-12-XXX-RL	19	3/4	-12	19.1	26.2	1.6	235	6.4	940	51	110	0.33
837PU-16-XXX-RL	25	1	-16	25.4	32.8	1.6	235	6.4	940	51	180	0.52

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
Note: When ordering, please replace in the part number XXX with the relavant colour code. Example: 837PU-4-GRN-RL

Colour codes
BLK = black
BLU = blue
RED = red
GRN = green
GRA = grey



RL = only available on reels

Hose layline example

PARKER PUSH-LOK 837PU-*Plus*-8 WP 1,6 MPa (235 PSI) I ° ° 12,5 mm (1/2)

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830M

Push-Lok

For a variety of applications including automotive



- Chemical resistant for a wide range of fluids
- High abrasion resistance
- Free of wetting disturbing substances (LABS free)
- Small OD and bend radii
- Excellent UV and ozone resistance
- UL 94 HB compliant

Primary Applications

All Markets: For a variety of applications
Robot and Automotive market:
For hose bundle systems

Restrictions

Not permitted for use in air brake systems and high dynamic pulsation systems.
Not recommended for fuels.

Construction

Inner tube: Polyurethane material
Reinforcement: High-tensile fibre braid
Cover: High performance polyurethane material in different colours

Temperature Range ..... -40 °C up to +80 °C

Recommended Fluids

Mineral based hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		Vaccum*	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
830M-4-XXX-RL	6	1/4	-4	6.4	10.7	1.6	232	6.4	928	90	30	0.08
830M-6-XXX-RL	10	3/8	-6	9.5	14.9	1.6	232	6.4	928	90	50	0.13
830M-8-XXX-RL	12	1/2	-8	12.7	19.1	1.6	232	6.4	928	90	70	0.20
830M-10-XXX-RL	16	5/8	-10	15.9	23.0	1.6	232	6.4	928	90	75	0.26
830M-12-XXX-RL	19	3/4	-12	19.1	26.0	1.6	232	6.4	928	90	110	0.31

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
Note: When ordering, please replace in the part number XXX with the relavant colour code. Example: 830M-4-GRN-RL

Colour codes
BLK = black
BLU = blue
RED = red
GRN = green
TRA = transparent, size -6 & -8

RL = only available on reels



Hose layline example

<<<<< Parker PUSH-LOK 830M-6 DN10 WP 1.6 MPa (232 PSI) QC15812345 23/07/16 23:32 <<<<<

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838M

Push-Lok

For non-conductive applications



- Non conductive hose
- High level of hose flexibility
- High abrasion resistance
- Free of wetting disturbing substances (LABS free)
- Small OD and bend radii
- Excellent UV and ozone resistance
- UL 94 HB compliant

Primary Applications

Special Market: For special electrical requirements, e.g. cooling lines with deionized water

Restrictions

Not permitted for use in air brake systems and high dynamic pulsation systems.
Not recommended for fuels.

Construction

Inner tube: Polyurethane material
Reinforcement: High-tensile fibre braid
Cover: Orange colored polyurethane material

Temperature Range ..... -40 °C up to +80 °C

Recommended Fluids

Mineral based hydraulic and lubricating oils, coolant, antifreeze, air, water, water-oil emulsions.

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		Vaccum*	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
838M-4-RL	6	1/4	-4	6.4	11.2	1.6	232	6.4	928	90	30	0.08
838M-6-RL	10	3/8	-6	9.5	15.0	1.6	232	6.4	928	90	50	0.13
838M-8-RL	12	1/2	-8	12.7	19.1	1.6	232	6.4	928	90	70	0.20
838M-10-RL	16	5/8	-10	15.9	23.0	1.6	232	6.4	928	90	75	0.26
838M-12-RL	19	3/4	-12	19.1	26.0	1.6	232	6.4	928	90	110	0.31

* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
RL = only available on reels

Cover color

Hose layline example

<<<<< Parker PUSH-LOK 838M-6 DN10 WP 1.6 MPa (232 PSI) QC15812345 23/07/16 23:12 <<<<<

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INDUSTRIAL HOSES

Oil & Fuel

CARBOPRESS N/L 10
A-9

Oil & Fuel hose
For standard oil applications

E-Z FORM™ HT
A-11

Oil & Fuel hose
Superior kink and high temp hose

Multipurpose & Air

OILPRESS N/L 20
A-10

Multipurpose NBR hose
For many types of fluids and petroleum products

E-Z FORM™ MP
A-12

Multipurpose NBR hose
Outstanding flexibility and light weight

GST II BLACK 15
A-17

Multipurpose EPDM hose
For air, mild chemicals and water applications

PYTHON NV/L 20
A-18

Multipurpose EPDM hose
Premium air, water and mid chemical hose

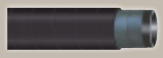
PYTHON NY/L 30
A-19

Multipurpose EPDM hose
Premium quality enhanced pressure class

Automotive & Boat

E-Z FORM™ GS
A-13

General service EPDM hose
Premium high temp hose for numerous cooling liquids

RADIOR DIN 6
A-14

Cooling hose
Designed for mobile and stationary cooling

TBSE
A-15

Standard fuel hose
For also alternative fuels

SUPER-FLEX® FL
A-16

Premium fuel line
With very low permeability

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CARBOPRESS N/L 10



Suitable for fuel oils, petrol and diesel having an aromatic content not exceeded 50 % and also for grease.

- Also suitable for water and air in general service applications
- Design Factor 3:1
- B100 compatible

Hose Construction

Tube: Black, smooth, NBR rubber compound
Reinforcement: Synthetic textile yarns
Cover: Black, smooth, abrasion, oil, fuel, and weather-resistant, antistatic (R < 1 MΩ/m) special NBR rubber compound

Temperature Range

-25 °C (-13 °F) to +80 °C (+176 °F)
up to +100 °C (+212 °F) for oil

Tolerances

According to UNI EN ISO 1307

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource at www.parker.com/crimpsource-euro.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure			Weight	min. Bend Radius
			MPa	psi	bar	kg/m	mm
IH30501001/100	5	12	1.0	150.0	10	0.12	40
IH30511003/100	6	12	1.0	150.0	10	0.11	50
IH30511002/100	6	13	1.0	150.0	10	0.14	50
IH30501002/100	8	15	1.0	150.0	10	0.17	65
IH30501003/100	10	17	1.0	150.0	10	0.20	80
IH30501004/100	13	20	1.0	150.0	10	0.24	105
IH30511004/100	16	23	1.0	150.0	10	0.29	130
IH30501006/40	19	27	1.0	150.0	10	0.39	150
IH30501007/50	25	35	1.0	150.0	10	0.63	200

Hose layline example



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OILPRESS N/L 20

Suitable for multi-purpose applications requiring transfer of many types of fluids and for petroleum products with aromatic content not exceeding 50 %.



- Agriculture, construction and general industrial
- Suitable for many different fuels included Biodiesel B100
- Two different Working Pressure lines
- Wide range temperature
- Design Factor 3:1

Hose Construction

Tube: Smooth, black, oil and fuel resistant NBR rubber compound, suitable for petroleum products with aromatic content not exceeding 50 %

Reinforcement: Synthetic textile yarns

Cover: Smooth, black, antistatic (R < 1 MΩ/m) heat, oil, abrasion and weather resistant NBR/PVC rubber compound

Temperature Range

-35 °C (-31 °F) to +100 °C (+212 °F), with peaks up to +120 °C (+248 °F) for oil

Tolerances

According to UNI EN ISO 1307

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource at www.parker.com/crimpsource-euro.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure			Weight	min. Bend Radius
			MPa	psi	bar	kg/m	mm
IH30832000/40	6	12	2.0	300.0	20	0.12	25
IH30832001/40	8	14	2.0	300.0	20	0.15	35
IH30832002/40	10	17	2.0	300.0	20	0.21	40
IH30832003/40	13	20	2.0	300.0	20	0.26	55
IH30832004/40	16	23	2.0	300.0	20	0.31	65
IH30832005/40	19	28	2.0	300.0	20	0.47	80
IH30832006/40	25	36	2.0	300.0	20	0.74	100

Hose layline example

RUBBER HOSE OILPRESS W.P. bar R<1MΩ Parker MCXX

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E-Z FORM™ HT

Parker Global Product

Extremely flexible, lightweight, high temperature petroleum-based oil suction/return hose designed to resist cracking and deterioration for the extreme heat generated in Tier IV engine. It may also be used in non-SAE power steering applications (as a low pressure return line only). The lightweight Greek corrugated hose construction incorporates a wire helix that provides full suction capability. The unique corrugations are tightly pitched and precision-engineered, providing extreme flexibility compared to the traditional rounded corrugation profile. The cover is resistant to high temperature oil in high temperature environments.



- Saves time and costs thanks to easy and quick assembly
- Superior kink resistance, minimal force to bend, outstanding flexibility
- In buses, cranes, trucks and mobile/ heavy duty off-road equipment
- Design Factor 4:1
- Vacuum: 0,9 bar

Hose Construction

Tube: Black CPE
Reinforcement: Multiple textile braids with helix
Cover: Black Hydrogenate NBR, Greek corrugated finish

Temperature Range

-40 °C (-40 °F) to +150 °C (+302 °F)

Tolerances

According to UNI EN ISO 1307

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource at www.parker.com/crimpsource-euro.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure MPa	Max. Working Pressure psi	Max. Working Pressure bar	Weight kg/m	min. Bend Radius mm
7399-0500025	12.7	23.8	1.0	150	10	0.43	23
7399-0625025	15.9	27.0	1.0	150	10	0.54	33
7399-0750025	19.1	30.0	1.0	150	10	0.56	36
7399-0875025	22.2	32.8	1.0	150	10	0.61	36
7399-1000025	25.4	36.0	1.0	150	10	0.66	36

coils of 7.62 m (25 feet)

Hose layline example



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E-Z FORM™ MP

Parker Global Product

Suitable for biodiesel, diesel, ethanol and gasoline in oil suction/return lines, vehicle fuel fill connector lines, drain lines on buses, cranes, mobile off-road equipment. Extremely flexible and lightweight it reduces installation times, eliminates special design, tooling and fabrication cost. Capable of being routed though confined spaces where pre-shaped and formed hose are normally required. Do not use for fuel dispensing or drag across sharp edges or very abrasive surfaces.



- Saves time and costs thanks to easy and quick assembly
- Superior kink resistance, minimal force to bend, outstanding flexibility
- Permanent fittings capability
- Design Factor 4:1
- Vacuum: 0.9 bar

Hose Construction

Tube: Black NBR, antistatic rubber compound

Reinforcement: Multiple textile plies with wire helix

Cover: Black, Greek corrugated CR rubber compound resistant to oil and weathering

Temperature Range

ID up to 25 mm: -34 °C (-30 °F) to +121 °C (+250 °F)
all other sizes: -29 °C (-20 °F) to +93 °C (+200 °F)

Tolerances

According to UNI EN ISO 1307

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource at www.parker.com/crimpsource-euro.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure MPa	Max. Working Pressure psi	Max. Working Pressure bar	Weight kg/m	min. Bend Radius mm
IH72190500/10	12.7	23.8	0.5	75	5	0.45	23
IH72190625/10	15.9	27.0	0.5	75	5	0.55	33
IH72190750/10	19.1	30.0	0.5	75	5	0.58	36
IH72191000/10	25.4	36.0	0.5	75	5	0.68	36
IH72191250/10	32.0	43.0	0.5	75	5	0.75	56
IH72191500/10	38.0	49.0	0.5	75	5	0.85	74
IH72192000/10	51.0	63.0	0.5	75	5	1.44	117
IH72192500/10	63.5	76.5	0.5	75	5	1.74	183
IH72193000/10	76.0	90.0	0.5	75	5	2.23	223

Hose layline example

SERIES 7219 E-Z FORM MP HOSE 75 PSI MAX WP

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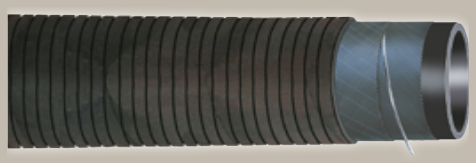
E-Z FORM™ GS



- Premium grade high temperature EPDM materials
- Saves time and costs thanks to easy and quick assembly
- Superior kink resistance, minimal force to bend, outstanding flexibility
- Performance equal to SAE J20R2-D1
- Design Factor 4:1
- Vacuum: 0.9 bar

Designed to handle air, coolant, mild chemicals and water. Extremely flexible, lightweight provides full suction capability and a path to conduct a static electrical charge to ground. The unique Greek cover corrugations provides minimal force-to-bend, superior kink resistance, and maximum flexibility for ease of handling, used where formed hose might normally be required.

Hose Construction

Tube: Black EPDM, antistatic rubber compound

Reinforcement: Multiple textile plies with wire helix

Cover: Black EPDM rubber compound resistant to weathering, greek corrugated finish

Temperature Range

-45 °C (-50 °F) to +125 °C (+257 °F)

Tolerances

According to UNI EN ISO 1307

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource at www.parker.com/crimpsource-euro.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure			Weight	min. Bend Radius
			MPa	psi	bar	kg/m	mm
IH73950500/10	12.7	23.8	0.5	75	5	0.4	23
IH73950625/10	15.9	27	0.5	75	5	0.49	33
IH73950750/10	19.1	30	0.5	75	5	0.52	36
IH73951000/10	25.4	36	0.5	75	5	0.61	36
IH73951125/10	29	38	0.5	75	5	0.62	46
IH73951250/10	32	43	0.5	75	5	0.75	56
IH73951375/10	35	46	0.5	75	5	0.79	71
IH73951500/10	38	49	0.5	75	5	0.85	74
IH73952000/10	51	63	0.5	75	5	1.44	117
IH73952250/10	57	70	0.5	75	5	1.61	165
IH73952375/10	60	73	0.5	75	5	1.64	175
IH73952500/10	63.5	76.5	0.5	75	5	1.74	183
IH73953000/10	76	90	0.5	75	5	2.23	223
IH73954000/10	102	116	0.5	75	5	3.28	340

Hose layline example



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RADIOR DIN 6 (coils)



- Performances fully compliant to DIN73411
- Compounds according to DIN 73411 for: tensile, strength, density, hardness, laceration, swellings, aging and dry residue
- Specific for cooling system at high temperature
- For Automotive and general industries application
- Design Factor 3:1
- Available on request in Cut Lenght of 1 m

Designed for cooling systems of automotive engines and stationary engines and for refrigerant systems.

Hose Construction

Tube: Black, smooth, antistatic, heat resistant EPDM rubber compound according to DIN 73411 - 1996*

Reinforcement: Synthetic textile fabrics yarns

Cover: Black, smooth, wrapped finish, heat, ageing and weather-resistant EPDM rubber compound according to DIN 73411 - 1996*

**The tube and the cover compounds are according to DIN 73411 - 1996 in the following principal areas: tensile, strength, density, hardness, laceration, swellings, aging and dry residue.*

Temperature Range

-40 °C (-40 °F) to +125 °C (+257 °F)
with peaks to +140 °C (+284 °F)

Tolerances

I.D. ≤ 25 mm
according to UNI EN ISO 1307
I.D. > 25 mm
according to RMA steel mandrel

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure MPa	Max. Working Pressure psi	Max. Working Pressure bar	Weight kg/m	min. Bend Radius mm
IH30836101/40	10	17	0.6	90.0	6.0	0.17	–
IH30836103/40	13	20	0.6	90.0	6.0	0.21	–
IH30836104/40	15	22	0.6	90.0	6.0	0.23	–
IH30836105/40	16	23	0.6	90.0	6.0	0.25	–
IH30836106/40	18	25	0.6	90.0	6.0	0.27	–
IH30836107/40	20	27	0.6	90.0	6.0	0.30	–
IH30836108/40	22	29	0.6	90.0	6.0	0.33	–
IH30836109/40	25	34	0.6	90.0	6.0	0.48	–
IH36836110/40	28	36	0.6	90.0	6.0	0.52	–
IH36836111/40	30	38	0.6	90.0	6.0	0.55	–
IH36836112/40	32	40	0.6	90.0	6.0	0.58	–
IH36836113/40	35	43	0.6	90.0	6.0	0.63	–
IH36836114/40	38	48	0.6	90.0	6.0	0.88	–
IH36836115/40	40	50	0.6	90.0	6.0	0.92	–
IH36836116/40	42	52	0.6	90.0	6.0	0.96	–
IH36836119/40	50	60	0.6	90.0	6.0	1.11	–

Hose layline example

RADIOR DIN – A - I.D. x TH – EPDM / P / EPDM – 6 bar – 125°C Parker (yellow ink x LL and yellow embossed x MM) Y/W (with traceability code)

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TBSE



- Antistatic cover and tube compounds
- Low permeability
- Suitable for B100 and E100 up to 70 °C
- Available packaging in reels for display stand
- Design Factor 3:1

Designed for general applications in fuel systems where low permeability levels are required. Suitable for leaded and unleaded fuels and diesel.

Hose Construction

Tube: Black, oil and fuel resistant, smooth, antistatic, NBR rubber compound

Reinforcement: Synthetic textile yarns

Cover: Black, oil, fuel, abrasion, weather-resistant, smooth, antistatic, NBR rubber compound

Temperature Range

-30 °C (-22 °F) to +100 °C (+212 °F)

Tolerances

According to UNI EN ISO 1307

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure MPa	psi	bar	Weight kg/m	min. Bend Radius mm
IH30871001/100	4	9	1.0	150.0	10	0.07	30
IH30871011/100	5	10	1.0	150.0	10	0.08	40
IH30871021/100	6	13	1.0	150.0	10	0.14	55
IH30871031/100	7	13	1.0	150.0	10	0.13	55
IH30871041/100	7.5	14	1.0	150.0	10	0.15	65
IH30871051/100	10	16	1.0	150.0	10	0.17	75
Reels							
IH30871001/15-R90*	4	9	1.0	150.0	10	0.07	30
IH30871011/15-R90*	5	10	1.0	150.0	10	0.08	40
IH30871021/15-R90*	6	13	1.0	150.0	10	0.14	55
IH30871031/15-R90*	7	13	1.0	150.0	10	0.13	55
IH30871041/15-R90*	7.5	14	1.0	150.0	10	0.15	65
IH30871051/10-R60**	10	16	1.0	150.0	10	0.17	75

* *box quantity = 6 x 15 m (reels)*

** *box quantity = 6 x 10 m (reels)*

Hose layline example



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SUPER-FLEX® FL

Parker Global Product

Fuel line/vapor emission hose for refined fuels such as diesel, ethanol and gasoline. The hose incorporates a thermoplastic barrier to resist permeation and the cover is resistant to abrasion, oil and weathering. The hose is flexible for easy routing in and around small engines and small engine compartments. Permeation value less than 15g/m²/day.

Hose Construction

Tube: Black nitrile and translucent thermoplastic barrier, non conductive

Reinforcement: One textile braid or multiple textile plies

Cover: Black CPE, smooth finish

Temperature Range

-30 °C (-34 °F) to +125 °C (+ 257 °F)



- Meets CARB 2006 SORE, EPA, SAE J30R7/J30R14T2 (Performance)
- for blowers, grinders, mowers, offroad engines, pressure washers, saws, agricultural, autos, buses
- Biodiesel up to B100
- Design Factor 5:1
- Vacuum 0.81 bar for ID up to 9.5 mm then 0.34 bar

Tolerances

According to UNI EN ISO 1307

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource at www.parker.com/crimpsource-euro.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure MPa	psi	bar	Weight kg/m	min. Bend Radius mm
39703	4.7	11.1	0.69	100	6.9	0.10	33.0
39704	6.4	12.7	0.69	100	6.9	0.13	38.1
39705	7.9	14.2	0.69	100	6.9	0.16	50.8
39706	9.5	15.9	0.69	100	6.9	0.16	63.5
39708	12.7	17.7	0.69	100	6.9	0.26	101.6
39710	15.9	23.9	0.24	35	2.4	0.33	127.0

Supplied in reels of 250 feet each (76.2 m), with max 3 lengths at least 25 feet (7.62 m) long

Hose layline example

Parker SERIES 397 (P/N) SUPER-FLEX® FL (ID) LOW PERMEATION FUEL LINE CARB (x) PKHPLINE397 EPA COMPLIANT 15 g/m2/day C-U

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GST II Black 15

Parker Global Product

In agriculture, construction, air tool lubricant systems and general industrial for air (including oil mist), mild chemicals and water. Suitable for MRO and OEM channel. Not to be used with oil or refined fuel.



- Nitrosamine free
- Permanent fittings capability
- EPDM compound suitable also for oil mist
- Suitable in Atex surroundings
- Design Factor 4:1

Hose Construction

Tube: Black EPDM, antistatic rubber compound

Reinforcement: Synthetic textile yarns.

Cover: Black, smooth EPDM antistatic rubber compound resistant to abrasion, heat and ozone

Temperature Range

-40 °C (-40 °F) to +100 °C (+212 °F)

Tolerances

According to UNI EN ISO 1307

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource at www.parker.com/crimpsource-euro.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure MPa	psi	bar	Weight kg/m	min. Bend Radius mm
IH709319200/40	5	11	1.5	200.0	15	0.10	40
IH709325200/100	6.5	13	1.5	200.0	15	0.13	50
IH709325200/40	6.5	13	1.5	200.0	15	0.13	50
IH709331200/100	8	15	1.5	200.0	15	0.16	65
IH709331200/40	8	15	1.5	200.0	15	0.16	65
IH709338200/100	9.5	17	1.5	200.0	15	0.20	75
IH709338200/40	9.5	17	1.5	200.0	15	0.20	75
IH709350200/100	13	21	1.5	200.0	15	0.29	105
IH709350200/40	13	21	1.5	200.0	15	0.29	105
IH709363200/100	16	25	1.5	200.0	15	0.36	130
IH709363200/40	16	25	1.5	200.0	15	0.36	130
IH709375200/40	19	28	1.5	200.0	15	0.49	150
IH7093100200/40	25	36	1.5	200.0	15	0.69	200
IH7093125204/40	32	45	1.5	200.0	15	1.15	230
IH7093150204/40	38	52	1.5	200.0	15	2.76	250

Hose layline example



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PYTHON NV/L 20



- Unmatchable handiness
- Its versatility of use helps to keep a controlled stock
- Wide range temperature
- Nitrosamine free
- Design Factor 3:1

Designed for air, cold and hot water and light-chemical media. Major properties of PYTHON hoses are:

- *high ozone resistance*
- *antistatic resistance*
- *high temperature resistance*
- *low temperature resistance*
- *non-staining cover*
- *high flexibility*

Hose Construction

Tube: Black, antistatic, smooth EPDM nitrosamine free rubber compound, resistant to light-chemical media

Reinforcement: Synthetic textile yarns

Cover: Green, smooth EPDM nitrosamine free rubber compound

Temperature Range

-40 °C (-40 °F) to +120 °C (+248 °F)
with peaks to +140 °C (+284 °F)

Tolerances

I.D. ≤ 25 mm according to UNI EN ISO 1307
I.D. > 25 mm according to RMA steel mandrel

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource at www.parker.com/crimpsource-euro.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure			Weight	min. Bend Radius
			MPa	psi	bar	kg/m	mm
IH30351200/40	10	17	2.0	300.0	20	0.22	60
IH30351201/40	13	20	2.0	300.0	20	0.26	80
IH30351202/40	15	22	2.0	300.0	20	0.29	90
IH30351203/40	19	27	2.0	300.0	20	0.41	110
IH30351204/40	25	34	2.0	300.0	20	0.60	150
IH36351201/40	32	44	2.0	300.0	20	0.98	320
IH36351202/40	38	51	2.0	300.0	20	1.20	380
IH36351203/40	42	56	2.0	300.0	20	1.42	420
IH36351204/40	50	66	2.0	300.0	20	1.76	500

Hose layline example



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PYTHON NY/L 30



- Unmatchable handiness
- Its versatility of use helps to keep a controlled stock
- Wide range temperature
- Nitrosamine free
- Design Factor 3:1

Designed for air, cold and hot water and light-chemical media. Major properties of PYTHON hoses are:

- *high ozone resistance*
- *antistatic resistance*
- *high temperature resistance*
- *low temperature resistance*
- *non-staining cover*
- *high flexibility*

Hose Construction

Tube: Black, antistatic, smooth EPDM nitrosamine free rubber compound, resistant to light-chemical media

Reinforcement: Synthetic textile yarns

Cover: Yellow, smooth EPDM nitrosamine free rubber compound

Temperature Range

-40 °C (-40 °F) to +120 °C (+248 °F)
with peaks to +140 °C (+284 °F)

Tolerances

I.D. ≤ 25 mm according to UNI EN ISO 1307
I.D. > 25 mm according to RMA steel mandrel

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource at www.parker.com/crimpsource-euro.

Part Number	I.D. (mm)	O.D. (mm)	Max. Working Pressure MPa	psi	bar	Weight kg/m	min. Bend Radius mm
IH30351250/40	6	14	3.0	450.0	30	0.18	40
IH30351251/40	8	17	3.0	450.0	30	0.25	50
IH30351252/40	10	20	3.0	450.0	30	0.34	60
IH30351253/40	13	23	3.0	450.0	30	0.40	80
IH30351254/40	16	27	3.0	450.0	30	0.52	100
IH30351255/40	19	30	3.0	450.0	30	0.60	110
IH30351256/40	25	37	3.0	450.0	30	0.88	150
IH36351250/40	32	44	3.0	450.0	30	0.95	320
IH36351251/40	38	51	3.0	450.0	30	1.20	380
IH36351252/40	42	56	3.0	450.0	30	1.45	420
IH36351253/40	50	66	3.0	450.0	30	1.93	500
IH36351254/20	65	82	3.0	450.0	30	2.50	650
IH36351255/20	76	92	3.0	450.0	30	3.08	750
IH36351256/20	100	122	3.0	450.0	30	5.05	1000

Hose layline example



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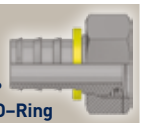
FITTINGS - 82 SERIES

DIN – Metric

CA A-21

Female Metric 24° Light Series with O-Ring Swivel - Straight
ISO 12151-2-SWS-L – DKOL

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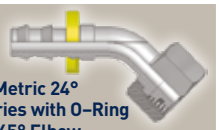
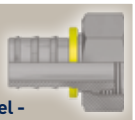

Female Metric 24° Light Series with O-Ring Swivel - 45° Elbow
ISO 12151-2-SWE -L – DKOL 45°

CF A-22

Female Metric 24° Light Series with O-Ring Swivel - 90° Elbow
ISO 12151-2-SWE-L – DKOL 90°

D0 A-22

Male Metric 24° Light Series - Rigid Straight
ISO 12151-2-S-L – CEL

C3 A-23

Female Metric Light Series - Swivel - Straight (Ball Nose for 24° or 60° Cone) DKL

C4 A-24

Female Metric -Light Series - Swivel 45° Elbow (Ball Nose for 24° or 60° Cone) DKL 45°

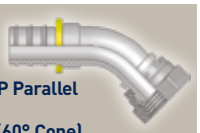
C5 A-24

Female Metric -Light Series - Swivel 90° Elbow (Ball Nose for 24° or 60° Cone) DKL 90°

BSP

92 A-25

Female BSP Parallel Pipe Swivel - Straight (60° Cone)
BS5200-A – DKR

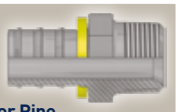
B1 A-25

Female BSP Parallel PipeSwivel 45° Elbow (60° Cone)
BS 5200-D – DKR 45°

B2 A-26

Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone)
BS 5200-B – DKR 90°

D9 A-26

Male BSP Parallel Pipe Rigid - Straight (60° Cone)
BS5200 – AGR

91 A-27

Male BSP Taper Pipe Rigid Straight
BS5200 – AGR-K

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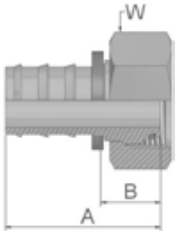
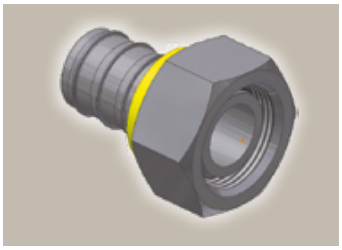
CA

Female Metric 24° Light Series with O-Ring Swivel - Straight

ISO 12151-2-SWS-L – DKOL





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	W	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
3CA82-6-4	6	1/4	-4	6.4	M12x1.5	6	40	21	14	50.0
3CA82-8-4	6	1/4	-4	6.4	M14x1.5	8	36	18	17	50.0
3CA82-8-4B	6	1/4	-4	6.4	M14x1.5	8	36	18	17	50.0
3CA82-10-4	6	1/4	-4	6.4	M16x1.5	10	37	18	19	50.0
3CA82-10-6	10	3/8	-6	9.5	M16x1.5	10	40	18	19	50.0
3CA82-10-6B	10	3/8	-6	9.5	M16x1.5	10	40	18	19	50.0
3CA82-10-6C	10	3/8	-6	9.5	M16x1.5	10	40	18	19	31.5
3CA82-12-6	10	3/8	-6	9.5	M18x1.5	12	40	17	22	40.0
3CA82-15-8	12	1/2	-8	12.7	M22x1.5	15	45	18	27	40.0
3CA82-15-8B	12	1/2	-8	12.7	M22x1.5	15	45	18	27	40.0
3CA82-15-8C	12	1/2	-8	12.7	M22x1.5	15	47	18	27	31.5
3CA82-15-10	16	5/8	-10	15.9	M22x1.5	15	61	24	27	31.5
3CA82-15-10B	16	5/8	-10	15.9	M22x1.5	15	61	24	27	40.0
3CA82-18-10	16	5/8	-10	15.9	M26x1.5	18	56	19	32	40.0
3CA82-22-12	19	3/4	-12	19.1	M30x2	22	58	21	36	25.0
3CA82-22-12B	19	3/4	-12	19.1	M30x2	22	58	21	36	25.0
3CA82-22-12C	19	3/4	-12	19.1	M30x2	22	58	21	36	16.6

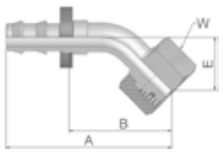
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. See the O-ring dimensions and part numbers in the 4400 catalogue.

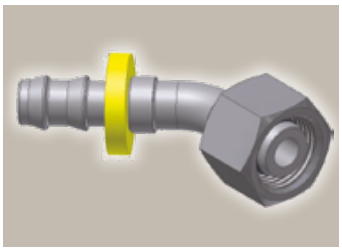
* suffix B = Brass
C = Stainless

CE

Female Metric 24° Light Series with O-Ring Swivel - 45° Elbow

ISO 12151-2-SWE -L – DKOL 45°





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
3CE82-10-6	10	3/8	-6	9.5	M16x1.5	10	60	37	19	19	50.0
3CE82-15-8	12	1/2	-8	12.7	M22x1.5	15	69	43	21	27	40.0
3CE82-18-10	16	5/8	-10	15.9	M26x1.5	18	83	46	23	32	40.0
3CE82-22-12	19	3/4	-12	19.1	M30x2	22	97	60	26	36	25.0

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. See the O-ring dimensions and part numbers in the 4400 catalogue.

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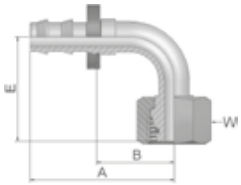
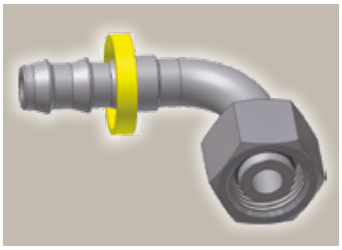
CF

Female Metric 24° Light Series with O-Ring Swivel - 90° Elbow

ISO 12151-2-SWE-L – DKOL 90°





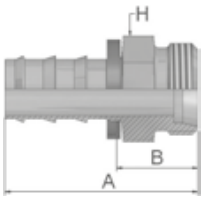
Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
3CF82-6-4	6	1/4	-4	6.4	M12x1.5	6	42	23	36	14	50.0
3CF82-6-4C	6	1/4	-4	6.4	M12x1.5	6	42	23	37	17	31.5
3CF82-8-4	6	1/4	-4	6.4	M14x1.5	8	41	23	29	17	50.0
3CF82-10-4	6	1/4	-4	6.4	M16x1.5	10	42	23	32	19	50.0
3CF82-10-6	10	3/8	-6	9.5	M16x1.5	10	49	27	36	19	50.0
3CF82-10-6B	10	3/8	-6	9.5	M16x1.5	10	49	27	36	19	50.0
3CF82-12-6	10	3/8	-6	9.5	M18x1.5	12	49	27	36	22	40.0
3CF82-15-8	12	1/2	-8	12.7	M22x1.5	15	60	34	42	27	40.0
3CF82-15-8C	12	1/2	-8	12.7	M22x1.5	15	60	34	44	27	31.5
3CF82-18-10	16	5/8	-10	15.9	M26x1.5	18	74	37	45	32	40.0
3CF82-22-12	19	3/4	-12	19.1	M30x2	22	88	52	55	36	25.0

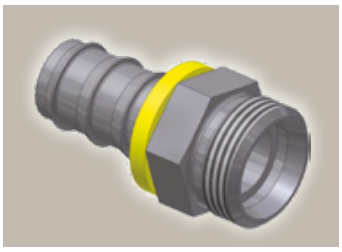
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. See the O-ring dimensions and part numbers in the 4400 catalogue.
* suffix B = Brass
C = Stainless

D0

Male Metric 24° Light Series - Rigid Straight

ISO 12151-2-S-L – CEL





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	H	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
3D082-8-4	6	1/4	-4	6.4	M14x1.5	8	36	17	14	50.0
3D082-10-6	10	3/8	-6	9.5	M16x1.5	10	41	18	17	50.0
3D082-10-6B	10	3/8	-6	9.5	M16x1.5	10	41	18	17	50.0
3D082-12-6	10	3/8	-6	9.5	M18x1.5	12	41	18	19	40.0
3D082-15-8	12	1/2	-8	12.7	M22x1.5	15	49	23	22	40.0
3D082-15-8B	12	1/2	-8	12.7	M22x1.5	15	49	22	22	40.0
3D082-15-8C	12	1/2	-8	12.7	M22x1.5	15	49	23	22	31.5
3D082-18-8	12	1/2	-8	12.7	M26x1.5	18	48	21	27	25.0
3D082-18-8B	12	1/2	-8	12.7	M26x1.5	18	48	22	27	25.0
3D082-18-8C	12	1/2	-8	12.7	M26x1.5	18	48	21	27	16.0
3D082-18-10	16	5/8	-10	15.9	M26x1.5	18	58	21	27	25.0
3D082-22-12	19	3/4	-12	19.1	M30x2	22	63	27	30	25.0
3D082-22-12B	19	3/4	-12	19.1	M30x2	22	63	27	30	25.0

* suffix B = Brass
C = Stainless

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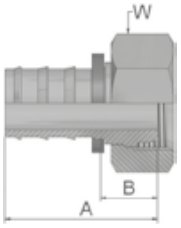
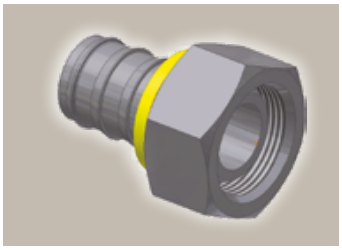
C3 Female Metric Light Series - Swivel Straight (Ball Nose for 24° or 60° Cone)

DKL





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	W	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
3C382-6-4	6	1/4	-4	6.4	M12x1.5	6	33	14	14	25.0
3C382-6-4B	6	1/4	-4	6.4	M12x1.5	6	33	14	14	25.0
3C382-8-4	6	1/4	-4	6.4	M14x1.5	8	33	14	17	25.0
3C382-8-4B	6	1/4	-4	6.4	M14x1.5	8	36	16	19	25.0
3C382-8-4C	6	1/4	-4	6.4	M14x1.5	8	33	14	17	25.0
3C382-10-4	6	1/4	-4	6.4	M16x1.5	10	34	15	19	25.0
3C382-10-4B	6	1/4	-4	6.4	M16x1.5	10	34	15	19	25.0
3C382-10-4C	6	1/4	-4	6.4	M16x1.5	10	36	16	19	25.0
3C382-10-6	10	3/8	-6	9.5	M16x1.5	10	37	15	19	25.0
3C382-10-6B	10	3/8	-6	9.5	M16x1.5	10	38	15	19	25.0
3C382-10-6C	10	3/8	-6	9.5	M16x1.5	10	39	15	19	25.0
3C382-12-6	10	3/8	-6	9.5	M18x1.5	12	38	16	22	25.0
3C382-12-6B	10	3/8	-6	9.5	M18x1.5	12	40	17	22	25.0
3C382-12-6C	10	3/8	-6	9.5	M18x1.5	12	38	16	22	25.0
3C382-15-8	12	1/2	-8	12.7	M22x1.5	15	42	15	27	25.0
3C382-15-8B	12	1/2	-8	12.7	M22x1.5	15	42	15	27	25.0
3C382-15-8C	12	1/2	-8	12.7	M22x1.5	15	44	15	27	25.0
3C382-15-10	16	5/8	-10	15.9	M22x1.5	15	56	19	27	25.0
3C382-15-10B	16	5/8	-10	15.9	M22x1.5	15	56	19.5	27	25.0
3C382-18-10	16	5/8	-10	15.9	M26x1.5	18	53	17	32	16.0
3C382-18-10B	16	5/8	-10	15.9	M26x1.5	18	58	22	32	16.0
3C382-18-10C	16	5/8	-10	15.9	M26x1.5	18	54	17	32	16.0
3C382-22-12	19	3/4	-12	19.1	M30x2	22	53	17	36	16.0
3C382-22-12B	19	3/4	-12	19.1	M30x2	22	53	17	36	16.0
3C382-22-12C	19	3/4	-12	19.1	M30x2	22	57	17	36	16.0
3C382-28-16	25	1	-16	25.4	M36x2	28	58	22	41	10.0
3C382-28-16B	25	1	-16	25.4	M36x2	28	58	22	41	10.0
3C382-28-16C	25	1	-16	25.4	M36x2	28	58	22	41	10.0

* suffix B = Brass
C = Stainless

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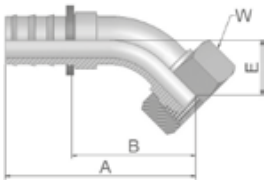
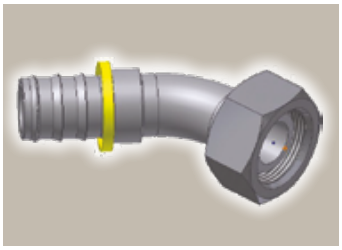
C4 Female Metric Light Series - Swivel 45° Elbow (Ball Nose for 24° or 60° Cone)

DKL 45°



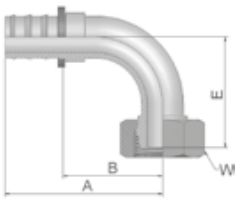


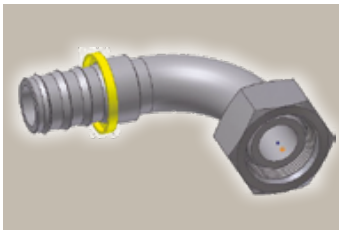
Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
3C482-6-4	6	1/4	-4	6.4	M12x1.5	6	51	32	16	14	25.0
3C482-8-4	6	1/4	-4	6.4	M14x1.5	8	51	32	16	17	25.0
3C482-10-6	10	3/8	-6	9.5	M16x1.5	10	58	35	18	19	25.0
3C482-10-6B	10	3/8	-6	9.5	M16x1.5	10	58	35	17	19	25.0
3C482-12-6	10	3/8	-6	9.5	M18x1.5	12	59	36	18	22	25.0
3C482-15-8	12	1/2	-8	12.7	M22x1.5	15	68	41	19	27	25.0
3C482-15-8B	12	1/2	-8	12.7	M22x1.5	15	67	41	19	27	25.0
3C482-15-8C	12	1/2	-8	12.7	M22x1.5	15	69	41	20	27	25.0
3C482-18-10	16	5/8	-10	15.9	M26x1.5	18	81	45	21	32	16.0
3C482-18-10B	16	5/8	-10	15.9	M26x1.5	18	81	45	21	32	16.0
3C482-22-12	19	3/4	-12	19.1	M30x2	22	88	52	23	36	16.0
3C482-22-12B	19	3/4	-12	19.1	M30x2	22	88	52	23	36	16.0

* suffix B = Brass
C = Stainless

C5 Female Metric Light Series - Swivel 90° Elbow (Ball Nose for 24° or 60° Cone)

DKL 90°





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
3C582-6-4	6	1/4	-4	6.4	M12x1.5	6	42	23	29	14	25.0
3C582-8-4	6	1/4	-4	6.4	M14x1.5	8	42	23	29	17	25.0
3C582-8-4B	6	1/4	-4	6.4	M14x1.5	8	41	23	29	17	25.0
3C582-10-4	6	1/4	-4	6.4	M16x1.5	10	42	23	29	19	25.0
3C582-10-4B	6	1/4	-4	6.4	M16x1.5	10	41	23	29	19	25.0
3C582-10-4C	6	1/4	-4	6.4	M16x1.5	10	43	23	31	19	25.0
3C582-10-6	10	3/8	-6	9.5	M16x1.5	10	49	27	33	19	25.0
3C582-10-6C	10	3/8	-6	9.5	M16x1.5	10	49	27	35	19	25.0
3C582-12-6	10	3/8	-6	9.5	M18x1.5	12	49	27	34	22	25.0
3C582-12-6B	10	3/8	-6	9.5	M18x1.5	12	49	27	34	22	25.0
3C582-12-6C	10	3/8	-6	9.5	M18x1.5	12	49	27	34	22	25.0
3C582-15-8	12	1/2	-8	12.7	M22x1.5	15	65	38	39	27	25.0
3C582-15-8B	12	1/2	-8	12.7	M22x1.5	15	65	38	39	27	25.0
3C582-15-8C	12	1/2	-8	12.7	M22x1.5	15	65	38	39	27	25.0
3C582-18-10	16	5/8	-10	15.9	M26x1.5	18	74	37	43	32	16.0
3C582-18-10B	16	5/8	-10	15.9	M26x1.5	18	74	37	43	32	16.0
3C582-18-10C	16	5/8	-10	15.9	M26x1.5	18	74	37	43	32	16.0
3C582-22-12	19	3/4	-12	19.1	M30x2	22	88	51	50	36	16.0
3C582-22-12B	19	3/4	-12	19.1	M30x2	22	88	52	50	36	16.0
3C582-28-16	25	1	-16	25.4	M36x2	28	101	64	66	41	10.0
3C582-28-16B	25	1	-16	25.4	M36x2	28	101	64	66	41	10.0

* suffix B = Brass
C = Stainless

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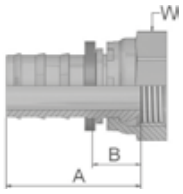
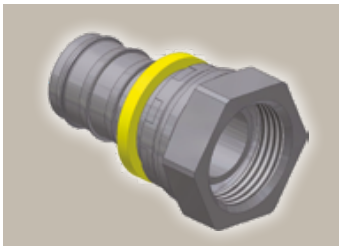
92 Female BSP Parallel Pipe Swivel - Straight (60° Cone)

BS5200-A – DKR



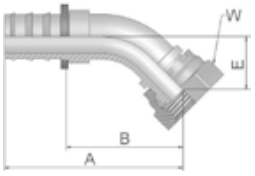


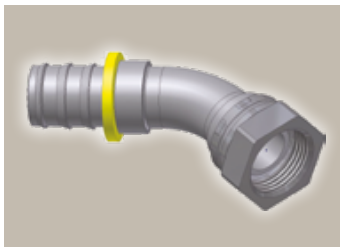
Part Number	Hose I.D.				Thread	A	B	W	Max WP
	DN	Inch	Size	mm	BSP	mm	mm	mm	MPa
39282-4-4	6	1/4	-4	6.4	1/4x19	33	14	17	63.0
39282-4-4B	6	1/4	-4	6.4	1/4x19	36	16	17	63.0
39282-6-6	10	3/8	-6	9.5	3/8x19	37	14	19	55.0
39282-6-6C	10	3/8	-6	9.5	3/8x19	40	14	22	55.0
39282-8-8	12	1/2	-8	12.7	1/2x14	42	15	27	43.0
39282-8-8B	12	1/2	-8	12.7	1/2x14	46	19	27	43.0
39282-8-8C	12	1/2	-8	12.7	1/2x14	43	15	27	43.0
39282-10-10	16	5/8	-10	15.9	5/8x14	53	16	30	42.0
39282-12-12	19	3/4	-12	19.1	3/4x14	58	21	32	42.0
39282-12-12C	19	3/4	-12	19.1	3/4x14	56	21	32	42.0
39282-16-16B	25	1	-16	25.4	1x11	57	21	41	42.0

* suffix B = Brass
C = Stainless

B1 Female BSP Parallel Pipe Swivel 45° Elbow (60° Cone)

BS 5200-D – DKR 45°





Part Number	Hose I.D.				Thread	A	B	E	W	Max WP
	DN	Inch	Size	mm	BSP	mm	mm	mm	mm	MPa
3B182-4-4	6	1/4	-4	6.4	1/4x19	51	32	16	17	63.0
3B182-6-6	10	3/8	-6	9.5	3/8x19	58	35	17	19	55.0
3B182-8-8	12	1/2	-8	12.7	1/2x14	68	41	19	27	43.0
3B182-8-8C	12	1/2	-8	12.7	1/2x14	68	41	20	27	43.0
3B182-12-12	19	3/4	-12	19.1	3/4x14	92	55	27	32	42.0

* suffix C = Stainless

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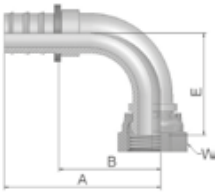
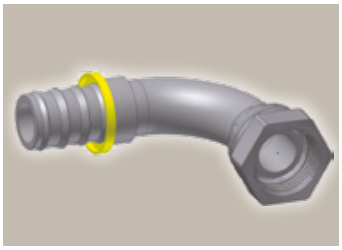
B2 Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone)

BS 5200-B – DKR 90°



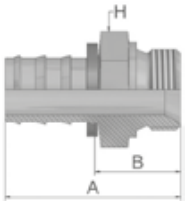


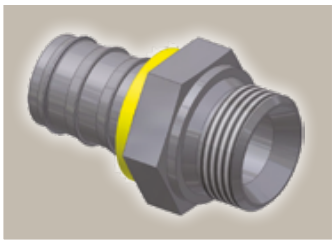
Part Number	Hose I.D.				Thread	A	B	E	W	Max WP
	DN	Inch	Size	mm	BSP	mm	mm	mm	mm	MPa
3B282-4-4	6	1/4	-4	6.4	1/4x19	42	23	29	17	63.0
3B282-6-6	10	3/8	-6	9.5	3/8x19	49	26	33	19	55.0
3B282-6-6C	10	3/8	-6	9.5	3/8x19	49	26	33	22	55.0
3B282-8-8	12	1/2	-8	12.7	1/2x14	60	34	39	27	43.0
3B282-8-8B	12	1/2	-8	12.7	1/2x14	60	34	39	27	43.0
3B282-8-8C	12	1/2	-8	12.7	1/2x14	60	34	40	27	43.0
3B282-12-12	19	3/4	-12	19.1	3/4x14	83	46	53	32	42.0
3B282-12-12B	19	3/4	-12	19.1	3/4x14	83	46	53	32	42.0
3B282-12-12C	19	3/4	-12	19.1	3/4x14	83	46	53	32	42.0
3B282-16-16	25	1	-16	25.4	1x11	99	63	68	41	42.0
3B282-16-16B	25	1	-16	25.4	1x11	101	63	68	41	42.0

* suffix B = Brass
C = Stainless

D9 Male BSP Parallel Pipe Rigid - Straight (60° Cone)

BS5200 – AGR





Part Number	Hose I.D.				Thread	A	B	H	Max WP
	DN	Inch	Size	mm	BSP	mm	mm	mm	MPa
3D982-2-4	6	1/4	-4	6.4	1/8x28	36	17	14	
3D982-4-4	6	1/4	-4	6.4	1/4x19	41	23	19	63.0
3D982-4-4B	6	1/4	-4	6.4	1/4x19	41	23	19	63.0
3D982-4-6	10	3/8	-6	9.5	1/4x19	44	21	19	63.0
3D982-4-6C	10	3/8	-6	9.5	1/4x19	44	21	19	63.0
3D982-6-6	10	3/8	-6	9.5	3/8x19	45	23	22	55.0
3D982-6-6C	10	3/8	-6	9.5	3/8x19	45	23	22	55.0
3D982-8-8	12	1/2	-8	12.7	1/2x14	53	27	27	43.0
3D982-8-8B	12	1/2	-8	12.7	1/2x14	53	27	27	43.0
3D982-8-10	16	5/8	-10	15.9	1/2x14	62	25	27	43.0
3D982-8-10C	16	5/8	-10	15.9	1/2x14	62	25	27	43.0
3D982-12-12	19	3/4	-12	19.1	3/4x14	65	28	32	35.0

* suffix B = Brass
C = Stainless

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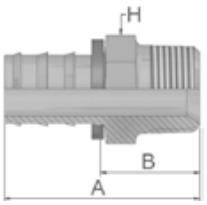
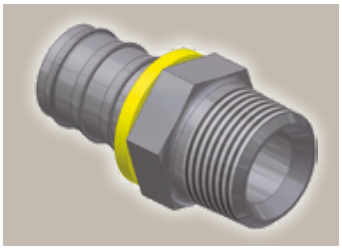
91 Male BSP Taper Pipe - Rigid Straight

BS5200 – AGR-K





Part Number	Hose I.D.				Thread	A	B	H	Max WP
	DN	Inch	Size	mm	BSP	mm	mm	mm	MPa
39182-2-4B	6	1/4	-4	6.4	1/8x28	37	18	12	63.0
39182-4-4B	6	1/4	-4	6.4	1/4x19	40	21	14	63.0
39182-4-6B	10	3/8	-6	9.5	1/4x19	44	21	14	63.0
39182-6-6B	10	3/8	-6	9.5	3/8x19	45	22	19	55.0
39182-6-8B	12	1/2	-8	12.7	3/8x19	49	22	19	55.0
39182-8-8B	12	1/2	-8	12.7	1/2x14	55	29	22	43.0
39182-8-8C	12	1/2	-8	12.7	1/2x14	55	29	22	43.0
39182-8-10B	16	5/8	-10	15.9	1/2x14	65	28	22	43.0
39182-12-12B	19	3/4	-12	19.1	3/4x14	69	32	30	35.0
39182-12-12C	19	3/4	-12	19.1	3/4x14	69	32	30	35.0
39182-16-16B	25	1	-16	25.4	1x11	74	38	36	28.0
39182-16-16C	25	1	-16	25.4	1x11	74	38	36	28.0

* suffix B = Brass
C = Stainless

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Hoses & Fittings

MEDIUM PRESSURE



Parker

ENGINEERING YOUR SUCCESS.

Medium pressure hoses

Hoses			Page
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Fittings 56 Series	Page
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RUBBER HOSES

High temperature

HT2
B-3

No-Skive **Compact**
Parker specification

Suction

811
B-4

No-Skive
Suction and Return Line
SAE 100R4

Standard

387
B-5

No-Skive **GlobalCore**
Sizes -4 to -16 exceed ISO 18752-AC
Sizes -20 to -32 exceed ISO 18752-BC

462
B-6

Elite No-Skive **Compact**
Exceeds EN 857-2SC - ISO 11237 Type 2SC

487
B-8

No-Skive **GlobalCore**
Sizes -4 to -12 exceed ISO 18752-AC
Sizes -16 to -32 exceed ISO 18752-BC

492
B-9

Elite No-Skive **Compact**
EN 857 1SC - ISO 11237 Type 1SC

High abrasion resistance TOUGH COVER (TC)

387TC
B-5

No-Skive **GlobalCore Tough Cover**
Sizes -4 to -16 exceed ISO 18752-AC
Sizes -20 to -32 exceed ISO 18752-CC

462TC
B-6

Elite No-Skive
Compact Tough Cover
Exceeds EN 857-2SC - ISO 11237 Type 2SC

487TC
B-8

No-Skive **GlobalCoreTough Cover**
Sizes -4 to -12 exceed ISO 18752-AC
Sizes -16 to -32 exceed ISO 18752-CC

492TC
B-9

Elite No-Skive
Compact Tough Cover
EN 857 1SC - ISO 11237 Type 1SC

Extreme abrasion resistance SUPER TOUGH cover (ST)

387ST
B-6

No-Skive **GlobalCore Super Tough**
Sizes -4 to -16 exceed ISO 18752-AC
Sizes -20 to -32 exceed ISO 18752-CC

462ST
B-6

Elite No-Skive
Super Tough Compact
EN 857 2SC - ISO 11237 Type 2SC

487ST
B-8

No-Skive **GlobalCore Super Tough**
Sizes -4 to -12 exceed ISO 18752-AC
Sizes -16 to -32 exceed ISO 18752-CC

492ST
B-9

Elite No-Skive
Super Tough Compact
EN 857 1SC - ISO 11237 Type 1SC

Powerlift

477
B-7

Elite No-Skive **PowerLift**
2 wire braided

477TC
B-7

Elite No-Skive
PowerLift Tough Cover
2 wire braided

477ST
B-7

Elite No-Skive **PowerLift**
2 wire braided

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HT2

No-Skive Compact

Parker specification



- *No-Skive* hose construction – Compact design
- +125 °C working temperature with peaks up to +135 °C

Primary Applications

Many industrial and mobile applications, with typical usage seen on agricultural machines or in power steering circuits

Applicable Specifications

Parker Specification

Construction

Inner tube: Nitrile (NBR)
Reinforcement: Two high-tensile steel wire braids
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +125 °C with peaks up to +135 °C

Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked.

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series

48

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
HT2-4	6	1/4	4	6.4	13.4	35.0	5000	140.0	20000	50	0.30
HT2-5	8	5/16	5	7.9	15.0	29.7	4250	118.8	17000	55	0.35
HT2-6	10	3/8	6	9.5	17.2	28.0	4000	112.0	16000	65	0.42
HT2-8	12	1/2	8	12.7	20.4	24.5	3500	98.0	14000	90	0.52
HT2-10	16	5/8	10	15.9	23.9	19.2	2750	76.8	11000	100	0.66
HT2-12	19	3/4	12	19.1	27.7	15.7	2250	62.8	9000	120	0.86
HT2-16	25	1	16	25.4	35.4	14.0	2000	56.0	8000	150	1.17

The combination of high temperature and high pressure could reduce the hose life.

Hose layline example



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811

No-Skive Suction and Return Line

SAE 100R4



- *No-Skive* hose construction
- Helical wire to prevent collapse under vacuum
- Small bend radii

Primary Applications

All Markets: General applications

Type Approvals

Please refer to our website www.parker.com/phde

Construction

Inner tube: Synthetic rubber
Reinforcement: Two fibre spiral, one helical wire
Cover: Synthetic rubber , oil and weather resistant

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water.
Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series

up to size - 32

For size -40 and -48



Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressu		Pressure Rating: min. burst pressure		Vaccum**	min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	kPa	mm	kg
811-12	19	3/4	-12	19.1	30.0	2.1	300	8.3	1200	85	65	0.63
811-16	25	1	-16	25.4	38.0	1.7	250	6.9	1000	85	75	0.96
811-20	31	1 1/4	-20	31.8	45.0	1.4	200	5.5	800	85	100	1.22
811-24	38	1 1/2	-24	38.1	52.0	1.0	150	4.1	600	85	130	1.55
811-32	51	2	-32	50.8	64.0	0.7	100	2.8	400	85	150	1.87
811-40	63	2 1/2	-40	63.5	75.0	0.4	62	1.6	248	85	180	2.45
811-48	76	3	-48	76.2	90.0	0.4	62	1.6	248	85	230	3.20

** The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa.
*** size -12 and size -16 = on Parkrimp 2 crimping press or adjustable crimpers only.
The combination of high temperature and high pressure could reduce the hose life.

* Fitting details in main catalog 4400

Hose layline example

PARKER 811-12 SUCTION HOSE SAE 100R4-12 19 mm (3/4) 3Q81 ——— PARKER 811-12 SUC

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387 / 387TC / 387ST

No-Skive GlobalCore Tough Cover

Sizes -4 to -16 exceed ISO 18752-AC
Sizes -20 to -32 exceed ISO 18752-CC

Primary Applications

General medium pressure hydraulic applications

Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-CC

Construction

Inner tube: Synthetic rubber
Reinforcement: One or two high-tensile steel wire braids (four-spiral for sizes -20 up to -32)
Cover: Highly abrasion resistance MSHA approved



- GlobalCore - *No-Skive*
- ½ ISO 18752 minimum bend radius
- Low force to flex for ease of installation
- 21 MPa constant working pressure

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked.

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series

Series 43/48 for sizes -4 up to -16 — 43* / 48
Series 43/77 for size -20 — 43* / 77
Series 77 for sizes -24 up to -32 — 77

Standard Cover

Temperature Range
-40 °C up to +100 °C
Exception:
Air → max. +70 °C
Water → max. +85 °C

Tough Cover

Highly abrasion resistant TOUGH COVER MSHA approved

Super Tough Cover

Extreme abrasion resistant SUPER TOUGH cover MSHA approved

Temperature Range
-40 °C up to +125°C
Exception:
Air → max. +70 °C
Water → max. +85 °C

Part Number			Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
			DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
387-4	387TC-4	387ST-4	6	1/4	-4	6.4	13.4	21.0	3000	84.0	12000	50	0.24
387-6	387TC-6	387ST-6	10	3/8	-6	9.5	17.4	21.0	3000	84.0	12000	65	0.34
387-8	387TC-8	387ST-8	12	1/2	-8	12.7	20.7	21.0	3000	84.0	12000	90	0.43
387-10	387TC-10	387ST-10	16	5/8	-10	15.9	23.9	21.0	3000	84.0	12000	100	0.49
387-12	387TC-12	387ST-12	19	3/4	-12	19.1	27.8	21.0	3000	84.0	12000	120	0.86
387-16	387TC-16	387ST-16	25	1	-16	25.4	35.4	21.0	3000	84.0	12000	150	1.17
387-20	387TC-20	387ST-20	31	1 1/4	-20	31.8	46.3	21.0	3000	84.0	12000	210	2.59
387-24	387TC-24	387ST-24	38	1 1/2	-24	38.1	52.8	21.0	3000	84.0	12000	250	2.99
387-32	387TC-32	387ST-32	51	2	-32	50.8	66.2	21.0	3000	84.0	12000	320	4.09

The combination of high temperature and high pressure could reduce the hose life.

* Fitting details in main catalog 4400

Hose layline example



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462 / 462TC / 462 ST

Elite No-Skive Compact

Exceeds EN 857-2SC - ISO 11237 Type 2SC



- EVO improved performance from size 4 up to 16
- *No-Skive* hose construction – Compact design
- Nitrile (NBR) inner tube – extended fluid compatibility
- Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance
- Also available with TC cover (MSHA and abrasion resistant) and ST cover (Superior Abrasion resistance)

Primary Applications

Demanding medium pressure hydraulic applications in all markets

Type Approvals

Please refer to our website www.parker.com/phde

Applicable Specifications

Exceed EN 857-2SC – ISO 11237 Type 2SC

Construction

Inner tube: Nitrile (NBR)
Reinforcement: Two high-tensile steel wire braids
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids

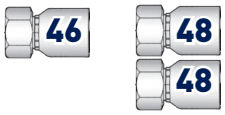
Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked.

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series

Size -4 up to -16

Size -20



Standard Cover

TC Tough Cover — Highly abrasion resistant TOUGH COVER MSHA approved

ST Super Tough Cover — Extreme abrasion resistant SUPER TOUGHcover MSHA approved

	Part Number			Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
				DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
EVO	462-4	462TC-4	462ST-4	6	1/4	-4	6.4	13.4	42.5	6160	170.0	24640	50	0.30
EVO	462-5	462TC-5	462ST-5	8	5/16	-5	7.9	15.0	40.0	5800	160.0	23200	55	0.35
EVO	462-6	462TC-6	462ST-6	10	3/8	-6	9.5	17.2	35.0	5075	140.0	20300	65	0.42
EVO	462-8	462TC-8	462ST-8	12	1/2	-8	12.7	20.4	31.0	4495	124.0	17980	80	0.52
EVO	462-10	462TC-10	462ST-10	16	5/8	-10	15.9	23.9	28.0	4060	112.0	16240	100	0.66
EVO	462-12	462TC-12	462ST-12	19	3/4	-12	19.1	27.7	28.0	4060	112.0	16240	120	0.86
EVO	462-16	462TC-16	462ST-16	25	1	-16	25.4	35.4	21.0	3045	84.0	12180	150	1.17
	462-20	462TC-20	462ST-20	31	1 1/4	-20	31.8	45.1	17.2	2495	68.8	9980	335	1.80
	-	462TC-24	-	38	1 1/2	-24	38.1	52.0	14.6	2118	58.4	8472	400	2.20
	-	462TC-32	-	51	2	-32	50.8	64.0	11.2	1624	44.8	6496	500	2.90
	-	462TC-40	-	63	2 1/2	-40	63.5	76.0	7.0	1015	28.0	4060	760	3.00
	-	462TC-48	-	76	3	-48	76.2	87.5	7.0	1015	28.0	4060	760	3.30

The combination of high temperature and high pressure could reduce the hose life.
From size -4 to -16, smooth cover, 462-20 wrapped cover
Also available in reels up to size -12 under part number 462-xx-RL

Hose layline example



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477 / 477TC / 477ST

Elite No-Skive PowerLift

2 wire braided



- *No-Skive* hose construction – Compact design
- Smaller bend radius and reduced outside diameter bringing a significant advantage in terms of space and weight on compact equipment
- Also available with TC cover (MSHA and abrasion resistant) and ST cover (Superior Abrasion resistance)

Primary Applications

For truck cranes and lifting equipment such as fork lift trucks, aerial lifts, cranes, telehandlers, lifting platforms.

Restrictions

Should not be used for high impulse hydraulic applications to replace spiral construction hoses.

Construction

Inner tube: Nitrile (NBR)
Reinforcement: Two high-tensile steel wire braids
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked.

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series

48

Standard Cover | Tough Cover: Highly abrasion resistant TOUGH COVER MSHA approved | Super Tough Cover: Extreme abrasion resistant SUPER TOUGH cover MSHA approved

Part Number			Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
			DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
477-4	477TC-4	477ST-4	6	1/4	-4	6.4	13.1	45.0	6500	180.0	26000	65	0.32
477-5	477TC-5	477ST-5	8	5/16	-5	7.9	14.9	42.5	6100	170.0	24400	70	0.35
477-6	477TC-6	477ST-6	10	3/8	-6	9.5	17.2	40.0	5800	160.0	23200	75	0.42
477-8	477TC-8	477ST-8	12	1/2	-8	12.7	20.4	38.0	5500	152.0	22000	105	0.55
477-10	477TC-10	477ST-10	16	5/8	-10	15.9	23.4	35.0	5000	140.0	20000	160	0.65
477-12	477TC-12	477ST-12	19	3/4	-12	19.1	27.2	35.0	5000	140.0	20000	200	1.10
477-16	477TC-16	477ST-16	25	1	-16	25.4	34.8	28.0	4000	112.0	16000	250	1.34

The combination of high temperature and high pressure could reduce the hose life.

Hose layline example



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487 / 487TC / 487ST

No-Skive GlobalCore

Sizes -4 to -12 exceed ISO 18752-AC
Sizes -16 to -32 exceed ISO 18752-BC

Primary Applications

General medium pressure hydraulic applications

Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-BC

Construction

Inner tube: Synthetic rubber
Reinforcement: One or two high-tensile steel wire braids for sizes -4 up to -12
(four-spiral wires for sizes -16 up to -24
Six-spiral wires for size -32)
Cover: Synthetic rubber



- GlobalCore - *No-Skive*
- ½ ISO 18752 minimum bend radius
- Low force to flex for ease of installation
- 28 MPa constant working pressure

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked.
Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series

Series 43/48 for sizes -4 up to -12





Series 43 for size -16



Series 77 for sizes -20 up to -32



Standard Cover

Temperature Range
-40 °C up to +100 °C
Exception:
Air → max. +70 °C
Water → max. +85 °C

Tough Cover

Highly abrasion resistant TOUGH COVER MSHA approved

Super Tough Cover

Extreme abrasion resistant SUPER TOUGH cover MSHA approved

Temperature Range
-40 °C up to +125°C
Exception:
Air → max. +70 °C
Water → max. +85 °C

Part Number			Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
			DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
487-4	487TC-4	487ST-4	6	1/4	-4	6.4	13.1	28.0	4000	112.0	16000	50	0.30
487-6	487TC-6	487ST-6	10	3/8	-6	9.5	17.2	28.0	4000	112.0	16000	65	0.42
487-8	487TC-8	487ST-8	12	1/2	-8	12.7	20.4	28.0	4000	112.0	16000	90	0.52
487-10	487TC-10	487ST-10	16	5/8	-10	15.9	23.9	28.0	4000	112.0	16000	100	0.66
487-12	487TC-12	487ST-12	19	3/4	-12	19.1	27.8	28.0	4000	112.0	16000	120	0.86
487-16	487TC-16	487ST-16	25	1	-16	25.4	37.8	28.0	4000	112.0	16000	150	1.99
487-20	487TC-20	487ST-20	31	1 1/4	-20	31.8	46.3	28.0	4000	112.0	16000	210	2.59
487-24	487TC-24	487ST-24	38	1 1/2	-24	38.1	52.8	28.0	4000	112.0	16000	250	3.08
487-32	487TC-32	487ST-32	51	2	-32	50.8	67.3	28.0	4000	112.0	16000	320	6.47

The combination of high temperature and high pressure could reduce the hose life.

* Fitting details in main catalog 4400

Hose layline example



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492 / 492TC / 492ST

Elite No-Skive Compact

EN 857 1SC - ISO 11237 Type 1SC



- *No-Skive* hose construction – Compact design
- Nitrile (NBR) inner tube – extended fluid compatibility
- Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance
- Also available with TC cover (MSHA and abrasion resistant) and ST cover (Superior Abrasion resistance)

Primary Applications

Demanding medium pressure hydraulic applications

Type Approvals

Please refer to our website www.parker.com/phde

Applicable Specifications

EN 857 1SC – ISO 11237 Type 1SC

Construction

Inner tube: Nitrile (NBR)
Reinforcement: One high-tensile steel wire braid
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked.

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series

46

Standard Cover | Tough Cover: Highly abrasion resistant TOUGH COVER MSHA approved | Super Tough Cover: Extreme abrasion resistant SUPER TOUGH cover MSHA approved

Part Number			Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
			DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
492-4	492TC-4	492ST-4	6	1/4	-4	6.4	11.5	28.0	4060	112.0	16240	75	0.18
492-5	492TC-5	492ST-5	8	5/16	-5	7.9	13.6	25.0	3625	100.0	14500	85	0.21
492-6	492TC-6	492ST-6	10	3/8	-6	9.5	15.5	22.5	3260	90.0	13050	90	0.25
492-8	492TC-8	492ST-8	12	1/2	-8	12.7	18.9	19.0	2755	76.0	11020	130	0.33
492-10	492TC-10	492ST-10	16	5/8	-10	15.9	22.2	15.0	2175	60.0	8700	150	0.41
492-12	492TC-12	492ST-12	19	3/4	-12	19.1	26.0	15.0	2175	60.0	8700	180	0.56
492-16	492TC-16	492ST-16	25	1	-16	25.4	33.3	11.0	1595	44.0	6380	230	0.75
492-20-WR			31	1 1/4	-20	31.8	40.0	7.5	1085	30.0	4350	335	0.93

Part Number without a suffix: the hose cover has a smooth appearance. Part Number with a suffix (WR): the hose cover has a wrapped appearance.
The combination of high temperature and high pressure could reduce the hose life.
Also available on reels under part number 492-xx-RL

Hose layline example

Parker *Elite* 492-6 WP 22,5 MPa (3260 PSI) | · · 10 mm (3/8) ISO11237/EN857 1SC 10 Made in Italy

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THERMOPLASTIC HOSES

Hydraulic & Multipurpose

Polyamid inner core enables hose usage in many applications on top of standard hydraulics.

510D
B-11

SAE 100 R7 / ISO 3949 R7
Textile reinforcement
Multipurpose inner core

520N
B-12

SAE 100 R8 / ISO3949 R8
Textile reinforcement
Multipurpose inner core

2245N
B-13

Two wire design
Multipurpose inner core

2040H
B-14

One wire
Hydraulic Inner core

2040N
B-15

One wire
Multipupose Inner core

PTFE Hose

Temperatures up to 250 °C
Best chemical resistance for media

2030T
B-16

Smooth bore

2030T - V70CON
B-17

Convoluted Core for extrem flexibility

Mini hydraulic / Diagnostic

2020N
B-18

ID starting with 2 mm
Up to 630 MPa working pressure

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510D

SAE 100R7 / ISO 3949-R7 product range



- Excellent chemical resistance
- High abrasion resistance
- Small bend radii
- Low weight
- High flexibility

Primary Applications

Due to its characteristics the hose 510D can be used for a wide range of media, for example:
hydraulic oils, water and water based fluids, air, steam, glues, adhesives, chemicals, gas.

Construction

Inner tube: Polyamide size -2 to -12, Polyesther Elastomer size -16
Reinforcement: One braided layer of high tensile synthetic fibre
Cover: Abrasion resistant Polyurethane pinpricked - Black

Temperature Range ..... -40 °C up to +100 °C

Recommended Fluids

Hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.
Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
510D-2	3	1/8	-2	3.2	8.6	21.0	3,000	84.0	12,000	13.0	0.05
510D-3	5	3/16	-3	5	10.7	22.4	3,250	89.6	13,000	19.0	0.07
510D-4	6	1/4	-4	6.3	11.7	21.0	3,000	84.0	12,000	38.0	0.09
510D-5	8	5/16	-5	8	14.3	17.5	2,500	70.0	10,000	44.0	0.11
510D-6	10	3/8	-6	10	16.0	15.8	2,250	63.2	9,000	51.0	0.14
510D-8	12	1/2	-8	12.5	20.5	15.8	2,250	63.2	9,000	76.0	0.22
510D-10	16	5/8	-10	16	24.6	19.2	2,750	76.8	11,000	152.0	0.31
510D-12	19	3/4	-12	19	27.4	8.8	1,250	35.2	5,000	127.0	0.31
510D-16	25	1	-16	25	33.4	7.0	1,000	28.0	4,000	203.0	0.40

Also available as twinline or multiline hose
* Size -16 only: Max +57 °C for synthetic and water based hydraulic fluids
Note : electrical non conductive version 518D - see main catalog 4460

Cover color

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520N

Standard hydraulic hose

Performance exceeds SAE 100 R8 /
ISO 3949 Type R8 / DIN EN 855 Type R8



- Very small hose outer diameters
- Excellent abrasion resistance
- Small bend radii
- Low weight
- Excellent chemical resistance due to polyamide core tube

Primary Applications

High pressure service for general industrial and mobile hydraulic applications as well as with gases.
Usable for a wide variety of fluids due to the polyamide core tube.
Version with white cover: saltwater-proof, additionally improved UV resistance, and therefore perfectly suited for boats and yachts.

Construction

Inner tube: Polyamide
Reinforcement: One braided layer of high tensile aramide fibre
Cover: Polyurethane, pinpricked

Temperature Range ..... -40°C up to +100°C

for petroleum or synthetic hydraulic fluids.

Recommended Fluids

Hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.
Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
520N-3	5	3/16	-03	4.8	10.6	34.5	5,000	138.0	20,000	38	0.07
520N-4	6	1/4	-04	6.3	12.7	34.5	5,000	138.0	20,000	51	0.10
520N-5	8	5/16	-05	7.9	14.5	31.0	4,500	124.0	18,000	64	0.12
520N-6	10	3/8	-06	9.5	16.1	27.5	4,000	110.0	16,000	64	0.13
520N-8	12	1/2	-08	12.7	20.4	24.0	3,500	96.0	14,000	102	0.20

Also available as twinline or multiline hose, on request.
Not recommended for forklift boom applications.

Cover color

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2245N

High pressure Hose

Performance exceeds SAE100R9



- High working pressures for large sizes
- Excellent chemical resistance due to polyamide core tube

Primary Applications

High pressure service for general industrial and mobile hydraulic applications as well as with gases. Usable for a wide variety of fluids due to the polyamide core tube.

Construction

Inner tube: Polyamide
Reinforcement: Two spiral layers of high tensile steel wire,one braided layer of steel wire
Cover: V00 = Polyurethane, V30 = Polyamide

Temperature Range .... -40°C up to +100°C (short term +120°C) for petroleum or synthetic hydraulic fluids.

Recommended Fluids

Hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.
Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series*

9X for size -08

NX - 9X

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
2245N-04V00	6	1/4	-04	6.3	12.5	45.0	6,525	180.0	26,100	70	0.25
2245N-05V00	8	5/16	-05	8.2	14.3	40.0	5,800	160.0	23,200	100	0.32
2245N-06V00	10	3/8	-06	9.7	17.0	37.5	5,435	150.0	21,750	120	0.42
2245N-08V00	12	1/2	-08	12.8	20.7	35.0	5,075	140.0	20,300	165	0.52
2245N-10V30	16	5/8	-10	16.0	24.5	33.0	4,785	132.0	19,140	200	0.72
2245N-12V30	20	3/4	-12	19.6	28.5	30.0	4,350	120.0	17,400	240	0.92
2245N-16V30	25	1	-16	25.0	34.0	27.5	3,985	110.0	15,950	280	1.15

- 2245N with DNV approval.

* Fitting details in catalog 4460

Cover color

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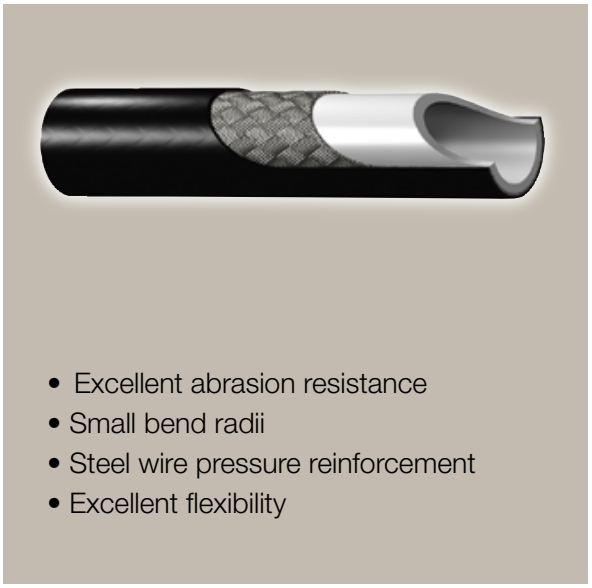
2040H

Standard hydraulic hose

Performance exceeds DIN EN 853-1SN



- Excellent abrasion resistance
- Small bend radii
- Steel wire pressure reinforcement
- Excellent flexibility

Primary Applications

High pressure service for general industrial and mobile hydraulic applications.

Construction

Inner tube: Polyester elastomer
Reinforcement: One braided layer of high tensile steel wire
Cover: Polyurethane

Temperature Range ..... -40°C up to +100°C

for petroleum, max. 57°C for synthetic hydraulic fluids and water-based hydraulic fluids.

Recommended Fluids

Hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series

56/PX*

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
2040H-03V10	5	3/16	-03	4.7	9.8	34.0	4,930	136.0	19,720	30	0.12
2040H-04V10	6	1/4	-04	6.3	11.9	31.0	4,495	124.0	17,980	40	0.17
2040H-05V10	8	5/16	-05	8.2	14.0	25.0	3,625	100.0	14,500	50	0.21
2040H-06V10	10	3/8	-06	9.7	15.9	24.0	3,480	96.0	13,920	60	0.26
2040H-08V10	12	1/2	-08	12.8	19.3	18.5	2,680	74.0	10,730	75	0.31

Also available as twinline or multiline hose, on request.

* Fitting details in catalog 4460

Cover color

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2040N

Multi purpose hose

Performance exceeds DIN EN 853-1SN



- Excellent chemical resistance due to polyamide core tube
- Excellent abrasion resistance
- Small bend radii
- Steel wire pressure reinforcement

Primary Applications

High pressure service for general industrial and mobile hydraulic applications, especially when an improved chemical resistance is required with some hydraulic/ chemical fluids. Usable for a wide variety of fluids due to the polyamide core tube..

Construction

Inner tube: Polyamide
Reinforcement: One braided layer of high tensile steel wire
Cover: V00 = Polyurethane

Temperature Range ..... -40°C up to +100°C

for petroleum or synthetic hydraulic fluids.

Recommended Fluids

Hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series

56 / PX*

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
2040N-03V00	5	3/16	-03	4.7	9.8	34.0	4,930	136.0	19,720	30	0.11
2040N-04V00	6	1/4	-04	6.3	11.9	31.0	4,495	124.0	17,980	40	0.16
2040N-05V00	8	5/16	-05	8.2	14.0	25.0	3,625	100.0	14,500	50	0.21
2040N-06V00	10	3/8	-06	9.7	15.9	24.0	3,480	96.0	13,920	60	0.24
2040N-08V00	12	1/2	-08	12.8	19.3	18.5	2,680	74.0	10,730	75	0.29

- For high pressure gas applications prinpricked versions on request.

* Fitting details in catalog 4460

Cover color

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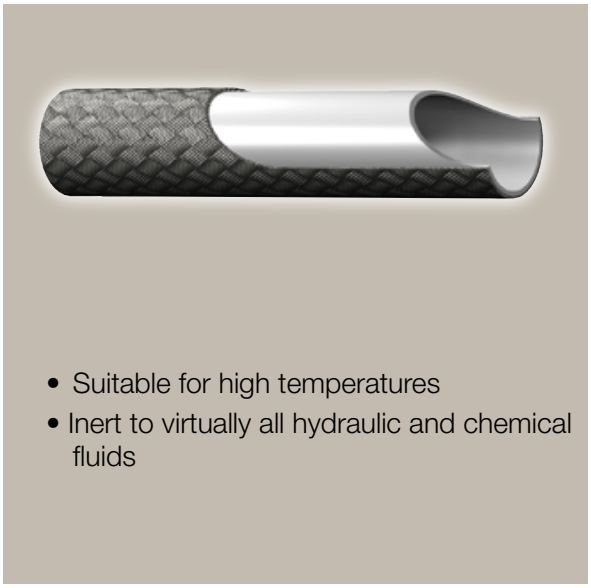
2030T

PTFE hose



- Suitable for high temperatures
- Inert to virtually all hydraulic and chemical fluids

Primary Applications

Medium pressure service for use with hydraulic fluids at high temperatures and aggressive chemicals in the chemical industry, surface engineering, 2-component systems.
The core tube material conforms to FDA 21 CFR177.1550.

Construction

Inner tube: Polytetrafluoroethylene
Reinforcement: One braided layer of stainless steel wire
Cover: —

Temperature Range ..... -50°C up to +150°C

permanent temperature +230°C at working pressures up to 2 MPa

Recommended Fluids

Hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.
Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series*

YX

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
2030T-03V70	5	3/16	-03	4.7	7.8	27.5	3,985	110.0	15,950	50	0.09
2030T-04V70	6	1/4	-04	6.3	9.5	24.0	3,480	96.0	13,920	75	0.13
2030T-05V70	8	5/16	-05	8.2	11.5	20.0	2,900	80.0	11,600	100	0.17
2030T-06V70	10	3/8	-06	9.7	13.0	17.5	2,535	70.0	10,150	120	0.19
2030T-08V70	12	1/2	-08	12.8	16.7	15.0	2,175	60.0	8,700	135	0.29
2030T-10V70	16	5/8	-10	16.0	20.0	12.5	1,810	50.0	7,250	160	0.34
2030T-12V70	20	3/4	-12	19.4	23.5	10.0	1,450	40.0	5,800	200	0.41

Not recommended for dynamic applications.
Convoluted version, see 2030T-V70CON

* Fitting details in catalog 4460

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2030T - V70CON

PTFE hose



- Suitable for high temperatures
- Inert to virtually all hydraulic and chemical fluids
- Extremely flexible and small bend radius

Primary Applications

Medium pressure service for use with hydraulic fluids at high temperatures and aggressive fluids in the chemical and other industries, when small bend radii and high flexibility are required.
The core tube material conforms to FDA 21 CFR177.1550.

Construction

Inner tube: Polytetrafluoroethylene
Reinforcement: Two braided layers of stainless steel wire
Cover: —

Recommended Fluids

Hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.
Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Temperature Range ..... -70 °C up to +230 °C

Fitting Series*

F6

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
2030T-04V70CON	6	1/4	-04	6.0	10.6	15.0	2,175	60.0	8,700	18	0.12
2030T-05V70CON*	8	5/16	-05	8.0	14.0	12.5	1,813	50.0	7,250	19	0.15
2030T-06V70CON*	10	3/8	-06	9.7	16.4	11.0	1,595	44.0	6,380	20	0.19
2030T-08V70CON	12	1/2	-08	13.0	19.0	10.0	1,450	40.0	5,800	25	0.24
2030T-10V70CON	16	5/8	-10	15.5	22.6	7.0	1,015	28.0	4,060	50	0.32
2030T-12V70CON	20	3/4	-12	19.6	26.0	6.3	942	25.2	3,654	65	0.38
2030T-16V70CON	25	1	-16	24.4	33.7	4.0	580	16.0	2,320	90	0.55
2030T-20V70CON	31	1 1/4	-20	32.5	40.3	3.0	435	12.0	1,740	110	0.68

Max vaccum rating : 95 kPA. Value listed is for negative gage pressure in kPa.
Conductive version with black inner core on request (recommended for antistatic requirements).
* Size -5 & -6 only : For temperatures higher than 150°C the max. working pressure is reduced by 1% per each 1°C higher than 150°C

* Fitting details in catalog 4460

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2020N

Small bore hose/mini-hydraulic hose (high pressure)



- Small dimensions
- Small bend radii
- Working pressures up to 63 MPa

Primary Applications

High pressure services, when very small hose outer diameters are required.
- Versatile usage in mini-hydraulic and gas applications
- Measuring / diagnosis systems

Construction

Inner tube: Polyamide
Reinforcement: One braided layer of high tensile synthetic fibre
Cover: Polyamide, pinpricked

Temperature Range ..... -40°C up to +100°C for petroleum or synthetic hydraulic fluids.

Recommended Fluids

Hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.
Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series

EX

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
						max. working pressure		min. burst pressure			
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
2020N-012V30	2	5/64	-012	2	4.9	50.0	7,250	200.0	29,000	20	0.016
2020N-025V30	4	5/32	-025	4	8.1	44.0	6,380	176.0	25,520	40	0.042
2020N-012V50	2	5/64	-012	2	4.9	63.0	9,135	200.0	29,000	20	0.016

V50: Design factor reduced for diagnostic applications.

Cover color

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FITTINGS - 46 / 48 SERIES

DIN – Metric

CA B-21
Female Metric 24° Light Series with O–Ring Swivel - Straight
ISO 12151-2-SWS-L – DKOL

CE B-22
Female Metric 24° Light Series with O–Ring Swivel - 45° Elbow
ISO 12151-2-SWE -L – DKOL 45°

CF B-23
Female Metric 24° Light Series with O–Ring Swivel - 90° Elbow
ISO 12151-2-SWE-L – DKOL 90°

D0 B-24
Male Metric 24° Light Series - Rigid Straight
ISO 12151-2-S-L – CEL

C9 B-25
Female Metric 24° - Swivel Heavy Series with O-Ring Straight
ISO 12151-2-SWS-S – DKOS

0C B-26
Female Metric 24° - Swivel Heavy Series with O–Ring 45° Elbow
ISO 12151-2 - SWE -S – DKOS 45°

1C B-26
Female Metric 24° - Swivel Heavy Series with O–Ring 90° Elbow
ISO 12151-2-SWE-S – DKOS 90°

D2 B-27
Male Metric 24° - Rigid Heavy Series - Straight
ISO 12151-2-S-S – CES

BSP

EA B-28
BSP Swivel Female with O–Ring (60° Cone)
BS 5200 – ISO 12151-6 – DKOR

EB B-28
BSP Swivel Female with O–Ring 45° Elbow (60° Cone)
BS 5200 – ISO 12151-6 – DKOR 45°

EC B-29
BSP Swivel Female with O–Ring 90° Elbow (60° Cone)
BS 5200 – ISO 12151-6 – DKOR 90°

D9 B-29
Male BSP Parallel Pipe Rigid - Straight (60° Cone)
BS5200 – AGR

SAE

03 B-30
Male JIC 37° - Rigid Straight
ISO12151-5-S – AGJ

06/68 B-30
Female – JIC 37° SAE 45° Dual Flare Swivel – Straight
ISO12151-5-SWS – DKJ

37/3V B-31
Female JIC 37° SAE 45° - Dual Flare Swivel Female 45° Elbow
ISO 12151-5-SWE 45° – DKJ 45°

39/3W B-31
Female JIC 37° SAE 45° - Dual Flare Swivel Female 90° Elbow
ISO 12151-5-SWES – DKJ 90°

ORFS

JC B-32
Female ORFS Swivel - Straight Short
ISO 12151-1 – SWSA SAE J516 – ORFS

J7 B-32
Female ORFS - Swivel 45° Elbow
ISO 12151-1 - SWE 45°
SAE J516 – ORFS 45°

J9 B-33
Female ORFS - Swivel 90° Elbow - Short Drop
ISO 12151-1 - SWES
SAE J516 – ORFS 90°

JM B-33
ORFS Male
ISO 12151-1-S – SAE J516

Flange

15 B-34
ISO 6162-1-Flange Straight
ISO 12151-3-S-L – SFL
(21.0 MPa/ 3000 psi)

17 B-34
ISO 6162-1 Flange 45° Elbow
ISO 12151-3 - E45 - L – SFL 45°
(21.0 MPa/ 3000 psi)

19 B-35
ISO 6162-1-Flange 90° Elbow
ISO 12151-3 - E- L – SFL 90°
(21.0 MPa/ 3000 psi)

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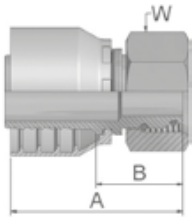
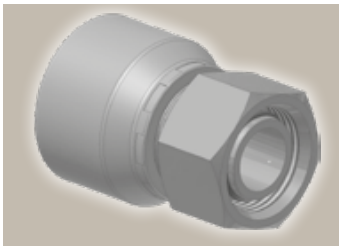
CA

Female Metric 24°

Light Series with O-Ring

Swivel - Straight
ISO 12151-2-SWS-L – DKOL





Part Number		Hose I.D.				Thread	Tube O.D.	A	B	W	Max WP
		DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
1CA46-6-4	1CA48-6-4	6	1/4	-4	6.4	M12x1.5	6	46	22	14	50.0
	1CA48-6-4C	6	1/4	-4	6.4	M12x1.5	6	46	22	14	31.5
1CA46-8-4	1CA48-8-4	6	1/4	-4	6.4	M14x1.5	8	47	24	17	50.0
	1CA48-8-4C	6	1/4	-4	6.4	M14x1.5	8	47	23	17	31.5
1CA46-10-4	1CA48-10-4	6	1/4	-4	6.4	M16x1.5	10	47	22	19	50.0
1CA46-12-4	1CA48-12-4	6	1/4	-4	6.4	M18x1.5	12	46	22	22	40.0
1CA46-8-5	1CA48-8-5	8	5/16	-5	7.9	M14x1.5	8	50	26	17	50.0
1CA46-8-6	1CA48-8-6	10	3/8	-6	9.5	M14x1.5	8	49	26	17	50.0
1CA46-10-5	1CA48-10-5	8	5/16	-5	7.9	M16x1.5	10	46	23	19	50.0
	1CA48-10-5C	8	5/16	-5	7.9	M16x1.5	10	46	22	19	31.5
1CA46-10-6	1CA48-10-6	10	3/8	-6	9.5	M16x1.5	10	48	25	19	50.0
	1CA48-10-6C	10	3/8	-6	9.5	M16x1.5	10	48	25	19	31.5
1CA46-12-5	1CA48-12-5	8	5/16	-5	7.9	M18x1.5	12	46	22	22	40.0
	1CA48-12-5C	8	5/16	-5	7.9	M18x1.5	12	46	23	22	31.5
1CA46-12-6	1CA48-12-6	10	3/8	-6	9.5	M18x1.5	12	46	23	22	40.0
	1CA48-12-6C	10	3/8	-6	9.5	M18x1.5	12	46	23	22	31.5
1CA46-15-6	1CA48-15-6	10	3/8	-6	9.5	M22x1.5	15	48	25	27	40.0
1CA46-12-8	1CA48-12-8	12	1/2	-8	12.7	M18x1.5	12	50	27	22	40.0
1CA46-15-8	1CA48-15-8	12	1/2	-8	12.7	M22x1.5	15	50	26	27	40.0
	1CA48-15-8C	12	1/2	-8	12.7	M22x1.5	15	50	26	27	31.5
1CA46-15-10	1CA48-15-10	16	5/8	-10	15.9	M22x1.5	15	54	29	27	40.0
1CA46-18-10	1CA48-18-10	16	5/8	-10	15.9	M26x1.5	18	50	25	32	40.0
	1CA48-18-10C	16	5/8	-10	15.9	M26x1.5	18	50	25	32	31.5
1CA46-18-12	1CA48-18-12	19	3/4	-12	19.1	M26x1.5	18	51	25	32	40.0
1CA46-18-8	1CA48-18-8	12	1/2	-8	12.7	M26x1.5	18	49	25	32	40.0
1CA46-22-10	1CA48-22-10	16	5/8	-10	15.9	M30x2	22	58	33	36	25.0
1CA46-22-12	1CA48-22-12	19	3/4	-12	19.1	M30x2	22	56	30	36	25.0
	1CA48-22-12C	19	3/4	-12	19.1	M30x2	22	56	30	36	16.6
1CA46-22-16	1CA48-22-16	25	1	-16	25.4	M30x2	22	60	30	36	25.0
	1CA48-28-12	19	3/4	-12	19.1	M36x2	28	61	35	41	25.0
1CA46-28-16	1CA48-28-16	25	1	-16	25.4	M36x2	28	63	33	41	25.0
	1CA48-28-16C	25	1	-16	25.4	M36x2	28	63	33	41	16.0
	1CA48-28-20	31	1 1/4	-20	31.8	M36x2	28	81	34	41	25.0
	1CA48-35-16	25	1	-16	25.4	M45x2	35	63	33	50	25.0
1CA46-35-20	1CA48-35-20	31	1 1/4	-20	31.8	M45x2	35	82	35	50	25.0
	1CA48-35-20C	31	1 1/4	-20	31.8	M45x2	35	82	35	50	16.0
	1CA48-35-24	38	1 1/2	-24	38.1	M45x2	35	75	37	50	25.0
	1CA48-42-20	31	1 1/4	-20	31.8	M52x2	42	82	35	60	25.0
	1CA48-42-24	38	1 1/2	-24	38.1	M52x2	42	77	39	60	25.0

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. See the O-ring dimensions and part numbers in the 4400 catalogue.

* Suffix C = Stainless

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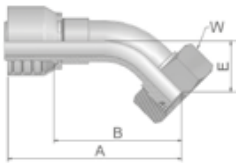
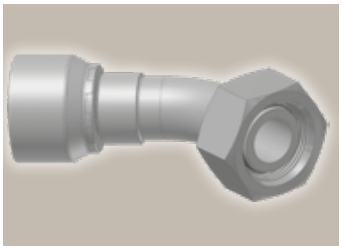
CE

Female Metric 24°

Light Series with O–Ring

Swivel - 45° Elbow
ISO 12151-2-SWE -L – DKOL 45°





Part Number		Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
		DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
1CE46-6-4	1CE48-6-4	6	1/4	-4	6.4	M12x1.5	6	70	45	19	14	50.0
1CE46-8-4	1CE48-8-4	6	1/4	-4	6.4	M14x1.5	8	59	36	16	17	50.0
1CE46-10-4	1CE48-10-4	6	1/4	-4	6.4	M16x1.5	10	59	36	16	19	50.0
1CE46-10-5	1CE48-10-5	8	5/16	-5	7.9	M16x1.5	10	68	44	16	19	50.0
1CE46-10-6	1CE48-10-6	10	3/8	-6	9.5	M16x1.5	10	69	46	20	19	50.0
1CE46-12-5	1CE48-12-5	8	5/16	-5	7.9	M18x1.5	12	61	38	17	22	40.0
1CE46-12-6	1CE48-12-6	10	3/8	-6	9.5	M18x1.5	12	68	45	19	22	40.0
	1CE48-12-8	12	1/2	-8	12.7	M18x1.5	12	75	51	24	22	40.0
	1CE48-15-6	10	3/8	-6	9.5	M22x1.5	15	69	46	20	27	40.0
1CE46-15-8	1CE48-15-8	12	1/2	-8	12.7	M22x1.5	15	71	48	23	27	40.0
	1CE48-18-8	12	1/2	-8	12.7	M26x1.5	18	71	47	22	32	40.0
	1CE48-15-10	16	5/8	-10	15.9	M22x1.5	15	79	54	26	27	40.0
1CE46-18-10	1CE48-18-10	16	5/8	-10	15.9	M26x1.5	18	75	50	23	32	40.0
	1CE48-18-12	19	3/4	-12	19.1	M26x1.5	18	90	64	27	32	40.0
	1CE48-22-10	16	5/8	-10	15.9	M30x2	22	82	57	24	36	25.0
1CE46-22-12	1CE48-22-12	19	3/4	-12	19.1	M30x2	22	88	62	26	36	25.0
	1CE48-28-12	19	3/4	-12	19.1	M36x2	28	90	64	28	41	25.0
1CE46-28-16	1CE48-28-16	25	1	-16	25.4	M36x2	28	113	83	33	41	25.0
1CE46-35-20	1CE48-35-20	31	1 1/4	-20	31.8	M45x2	35	141	94	37	50	25.0
	1CE48-42-24	38	1 1/2	-24	38.1	M52x2	42	155	117	49	60	25.0

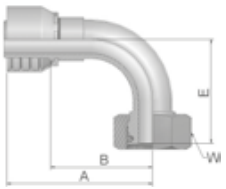
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. See the O-ring dimensions and part numbers in the 4400 catalogue.

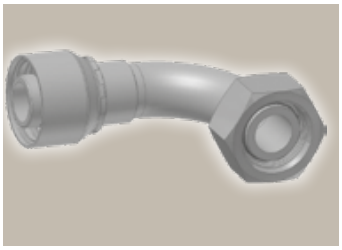
CF

Female Metric 24°

Light Series with O-Ring

Swivel - 90° Elbow
ISO 12151-2-SWE-L – DKOL 90°





Part Number		Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
		DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
1CF46-6-4	1CF48-6-4	6	1/4	-4	6.4	M12x1.5	6	57	33	33	14	50.0
1CF46-8-4	1CF48-8-4	6	1/4	-4	6.4	M14x1.5	8	51	28	29	17	50.0
	1CF48-8-4C	6	1/4	-4	6.4	M14x1.5	8	51	28	29	17	31.5
1CF46-8-5	1CF48-8-5	8	5/16	-5	7.9	M14x1.5	8	62	38	35	17	50.0
1CF46-10-4	1CF48-10-4	6	1/4	-4	6.4	M16x1.5	10	52	28	30	19	50.0
	1CF48-10-4C	6	1/4	-4	6.4	M16x1.5	10	52	28	30	19	31.5
1CF46-10-5	1CF48-10-5	8	5/16	-5	7.9	M16x1.5	10	61	37	30	19	50.0
	1CF48-10-5C	8	5/16	-5	7.9	M16x1.5	10	61	37	30	19	31.5
1CF46-10-6	1CF48-10-6	10	3/8	-6	9.5	M16x1.5	10	60	37	38	19	50.0
	1CF48-10-6C	10	3/8	-6	9.5	M16x1.5	10	60	37	38	19	31.5
1CF46-12-4	1CF48-12-4	6	1/4	-4	6.4	M18x1.5	12	53	26	29	22	40.0
1CF46-12-5	1CF48-12-5	8	5/16	-5	7.9	M18x1.5	12	60	37	30	22	40.0
1CF46-12-6	1CF48-12-6	10	3/8	-6	9.5	M18x1.5	12	58	36	35	22	40.0
	1CF48-12-6C	10	3/8	-6	9.5	M18x1.5	12	58	36	35	22	31.5
1CF46-12-8	1CF48-12-8	12	1/2	-8	12.7	M18x1.5	12	63	39	45	22	40.0
1CF46-15-6	1CF48-15-6	10	3/8	-6	9.5	M22x1.5	15	58	35	37	27	40.0
1CF46-15-8	1CF48-15-8	12	1/2	-8	12.7	M22x1.5	15	61	37	43	27	40.0
	1CF48-15-8C	12	1/2	-8	12.7	M22x1.5	15	61	37	43	27	31.5
	1CF48-15-10	16	5/8	-10	15.9	M22x1.5	15	67	42	51	27	40.0
1CF46-18-8	1CF48-18-8	12	1/2	-8	12.7	M26x1.5	18	65	41	43	32	40.0
1CF46-18-10	1CF48-18-10	16	5/8	-10	15.9	M26x1.5	18	66	41	45	32	40.0
	1CF48-18-10C	16	5/8	-10	15.9	M26x1.5	18	66	41	45	32	31.5
1CF46-18-12	1CF48-18-12	19	3/4	-12	19.1	M26x1.5	18	80	54	56	32	40.0
1CF46-22-12	1CF48-22-12	19	3/4	-12	19.1	M30x2	22	80	54	55	36	25.0
	1CF48-22-12C	19	3/4	-12	19.1	M30x2	22	80	54	55	36	16.6
	1CF48-28-12	19	3/4	-12	19.1	M36x2	28	80	54	57	41	25.0
1CF46-28-16	1CF48-28-16	25	1	-16	25.4	M36x2	28	101	72	71	41	25.0
	1CF48-28-16C	25	1	-16	25.4	M36x2	28	101	72	71	41	16.0
	1CF48-35-16	25	1	-16	25.4	M45x2	35	101	72	72	50	25.0
1CF46-35-20	1CF48-35-20	31	1 1/4	-20	31.8	M45x2	35	130	83	79	50	25.0
	1CF48-35-20C	31	1 1/4	-20	31.8	M45x2	35	130	83	79	50	16.0
	1CF48-42-24	38	1 1/2	-24	38.1	M52x2	42	139	101	101	60	25.0

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. See the O-ring dimensions and part numbers in the 4400 catalogue.

* Suffix C = Stainless

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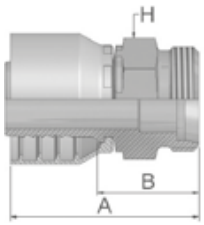
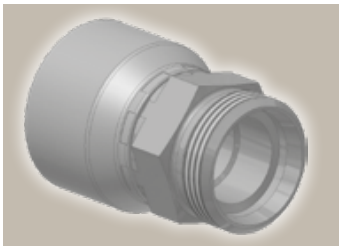
D0

Male Metric 24°

Light Series - Rigid

Straight
ISO 12151-2-S-L – CEL





Part Number		Hose I.D.				Thread	Tube O.D.	A	B	H	Max WP
		DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
1D046-6-4	1D048-6-4	6	1/4	-4	6.4	M12x1.5	6	44	20	12	50.0
1D046-8-4	1D048-8-4	6	1/4	-4	6.4	M14x1.5	8	46	22	14	50.0
	1D048-8-4C	6	1/4	-4	6.4	M14x1.5	8	46	22	14	31.5
1D046-10-4	1D048-10-4	6	1/4	-4	6.4	M16x1.5	10	48	24	17	50.0
1D046-12-4	1D048-12-4	6	1/4	-4	6.4	M18x1.5	12	48	24	19	40.0
1D046-10-5	1D048-10-5	8	5/16	-5	7.9	M16x1.5	10	48	24	17	50.0
1D046-12-5	1D048-12-5	8	5/16	-5	7.9	M18x1.5	12	48	24	19	40.0
1D046-10-6	1D048-10-6	10	3/8	-6	9.5	M16x1.5	10	47	24	17	50.0
1D046-12-6	1D048-12-6	10	3/8	-6	9.5	M18x1.5	12	47	24	19	40.0
1D046-15-6	1D048-15-6	10	3/8	-6	9.5	M22x1.5	15	49	26	22	40.0
1D046-15-8	1D048-15-8	12	1/2	-8	12.7	M22x1.5	15	50	26	22	40.0
1D046-18-8	1D048-18-8	12	1/2	-8	12.7	M26x1.5	18	53	29	27	25.0
	1D048-15-10	16	5/8	-10	15.9	M22x1.5	15	57	29	27	40.0
1D046-18-10	1D048-18-10	16	5/8	-10	15.9	M26x1.5	18	54	29	27	25.0
	1D048-18-12	19	3/4	-12	19.1	M26x1.5	18	55	29	27	25.0
1D046-22-12	1D048-22-12	19	3/4	-12	19.1	M30x2	22	59	33	30	25.0
1D046-28-16	1D048-28-16	25	1	-16	25.4	M36x2	28	65	35	36	25.0
1D046-35-20	1D048-35-20	31	1 1/4	-20	31.8	M45x2	35	85	38	46	25.0
	1D048-42-24	38	1 1/2	-24	38.1	M52x2	42	77	39	41|55	25.0

* Suffix C = Stainless

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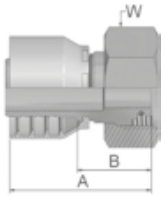
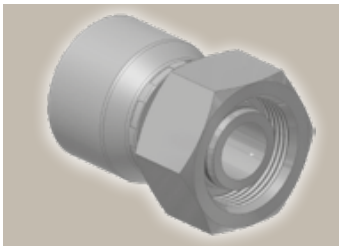
C9

Female Metric 24° - Swivel

Heavy Series with O-Ring

Straight
ISO 12151-2-SWS-S – DKOS





Part Number		Hose I.D.				Thread	Tube O.D.	A	B	W	Max WP
		DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
1C946-6-4	1C948-6-4	6	1/4	-4	6.4	M14x1.5	6	49	26	17	63.0
1C946-8-4	1C948-8-4	6	1/4	-4	6.4	M16x1.5	8	47	23	19	63.0
1C946-10-4	1C948-10-4	6	1/4	-4	6.4	M18x1.5	10	46	22	22	63.0
1C946-12-4	1C948-12-4	6	1/4	-4	6.4	M20x1.5	12	47	24	24	63.0
	1C948-8-5	8	5/16	-5	7.9	M16x1.5	8	46	23	19	63.0
1C946-10-5	1C948-10-5	8	5/16	-5	7.9	M18x1.5	10	46	22	22	63.0
1C946-12-5	1C948-12-5	8	5/16	-5	7.9	M20x1.5	12	48	24	24	63.0
	1C948-8-6	10	3/8	-6	9.5	M16x1.5	8	49	26	19	63.0
1C946-10-6	1C948-10-6	10	3/8	-6	9.5	M18x1.5	10	45	22	22	63.0
1C946-12-6	1C948-12-6	10	3/8	-6	9.5	M20x1.5	12	47	24	24	63.0
	1C948-12-6C	10	3/8	-6	9.5	M20x1.5	12	47	24	24	63.0
1C946-14-6	1C948-14-6	10	3/8	-6	9.5	M22x1.5	14	47	24	27	63.0
	1C948-16-6	10	3/8	-6	9.5	M24x1.5	16	50	28	30	63.0
1C946-12-8	1C948-12-8	12	1/2	-8	12.7	M20x1.5	12	51	28	24	63.0
	1C948-12-8C	12	1/2	-8	12.7	M20x1.5	12	51	28	24	63.0
	1C948-14-8	12	1/2	-8	12.7	M22x1.5	14	48	24	27	63.0
1C946-16-8	1C948-16-8	12	1/2	-8	12.7	M24x1.5	16	51	28	30	63.0
	1C948-16-8C	12	1/2	-8	12.7	M24x1.5	16	51	28	30	40.0
	1C948-20-8	12	1/2	-8	12.7	M30x2	20	53	29	36	42.0
1C946-16-10	1C948-16-10	16	5/8	-10	15.9	M24x1.5	16	53	28	30	63.0
1C946-20-10	1C948-20-10	16	5/8	-10	15.9	M30x2	20	53	28	36	42.0
	1C948-20-10C	16	5/8	-10	15.9	M30x2	20	53	28	36	40.0
1C946-20-12	1C948-20-12	19	3/4	-12	19.1	M30x2	20	56	30	36	42.0
1C946-25-12	1C948-25-12	19	3/4	-12	19.1	M36x2	25	61	35	46	42.0
1C946-25-16	1C948-25-16	25	1	-16	25.4	M36x2	25	63	33	46	42.0
1C946-30-16	1C948-30-16	25	1	-16	25.4	M42x2	30	67	38	50	42.0
1C946-38-20	1C948-38-20	31	1 1/4	-20	31.8	M52x2	38	80	33	60	42.0

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. See the O-ring dimensions and part numbers in the 4400 catalogue.

* Suffix C = Stainless

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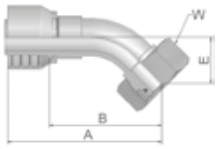
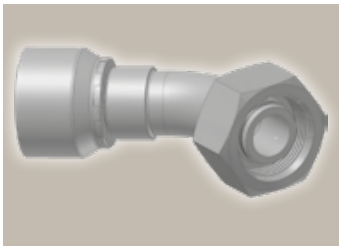
0C

Female Metric 24° - Swivel

Heavy Series with O–Ring

45° Elbow
ISO 12151-2 - SWE -S – DKOS 45°





Part Number		Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
		DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
	10C48-6-4	6	1/4	-4	6.4	M14x1.5	6	61	38	16	17	63.0
10C46-8-4	10C48-8-4	6	1/4	-4	6.4	M16x1.5	8	59	35	16	19	63.0
10C46-10-4	10C48-10-4	6	1/4	-4	6.4	M18x1.5	10	59	36	16	22	63.0
10C46-12-5	10C48-12-5	8	5/16	-5	7.9	M20x1.5	12	70	47	17	24	63.0
	10C48-10-6	10	3/8	-6	9.5	M18x1.5	10	70	47	19	22	63.0
10C46-12-6	10C48-12-6	10	3/8	-6	9.5	M20x1.5	12	69	46	20	24	63.0
10C46-16-8	10C48-16-8	12	1/2	-8	12.7	M24x1.5	16	72	49	23	30	63.0
10C46-20-10	10C48-20-10	16	5/8	-10	15.9	M30x2	20	76	51	25	36	42.0
10C46-25-12	10C48-25-12	19	3/4	-12	19.1	M36x2	25	91	65	29	46	42.0
	10C48-30-16	25	1	-16	25.4	M42x2	30	115	86	36	50	42.0

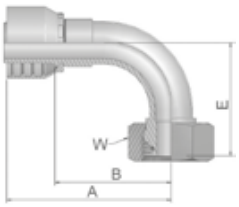
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. See the O-ring dimensions and part numbers in the 4400 catalogue.

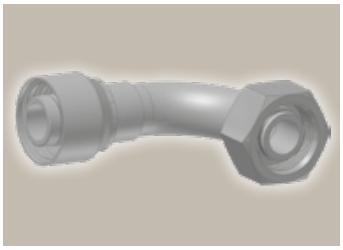
1C

Female Metric 24° - Swivel

Heavy Series with O–Ring

90° Elbow
ISO 12151-2-SWE-S – DKOS 90°





Part Number		Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
		DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
11C46-6-4	11C48-6-4	6	1/4	-4	6.4	M14x1.5	6	62	39	32	17	63.0
11C46-8-4	11C48-8-4	6	1/4	-4	6.4	M16x1.5	8	50	26	29	19	63.0
11C46-10-4	11C48-10-4	6	1/4	-4	6.4	M18x1.5	10	50	26	29	22	63.0
11C46-10-5	11C48-10-5	8	5/16	-5	7.9	M18x1.5	10	60	36	31	22	63.0
11C46-12-5	11C48-12-5	8	5/16	-5	7.9	M20x1.5	12	60	36	32	24	63.0
11C46-10-6	11C48-10-6	10	3/8	-6	9.5	M18x1.5	10	59	37	36	22	63.0
11C46-12-6	11C48-12-6	10	3/8	-6	9.5	M20x1.5	12	58	35	37	24	63.0
	11C48-14-6	10	3/8	-6	9.5	M22x1.5	14	58	35	37	27	63.0
11C46-16-8	11C48-16-8	12	1/2	-8	12.7	M24x1.5	16	61	37	45	30	63.0
	11C48-16-8C	12	1/2	-8	12.7	M24x1.5	16	61	37	45	30	40.0
11C46-20-10	11C48-20-10	16	5/8	-10	15.9	M30x2	20	65	40	48	36	42.0
11C46-25-12	11C48-25-12	19	3/4	-12	19.1	M36x2	25	80	54	59	46	42.0
11C46-30-16	11C48-30-16	25	1	-16	25.4	M42x2	30	104	75	75	50	42.0
11C46-38-20	11C48-38-20	31	1 1/4	-20	31.8	M52x2	38	130	83	78	60	42.0

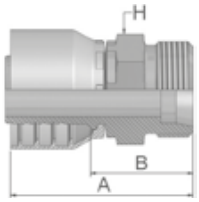
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. See the O-ring dimensions and part numbers in the 4400 catalogue.

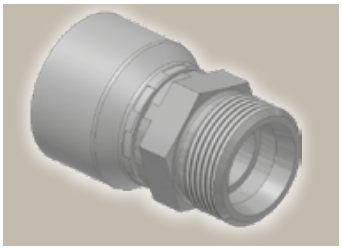
* Suffix C = Stainless

D2

Male Metric 24° - Rigid

Heavy Series - Straight
ISO 12151-2-S-S – CES





Part Number		Hose I.D.				Thread	Tube O.D.	A	B	H	Max WP
		DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
	1D248-8-4	6	1/4	-4	6.4	M16x1.5	8	48	24	17	63.0
	1D248-10-4	6	1/4	-4	6.4	M18x1.5	10	50	26	19	63.0
	1D248-10-5	8	5/16	-5	7.9	M18x1.5	10	50	26	19	63.0
1D246-12-5	1D248-12-5	8	5/16	-5	7.9	M20x1.5	12	50	26	22	63.0
1D246-12-6	1D248-12-6	10	3/8	-6	9.5	M20x1.5	12	49	26	22	63.0
	1D248-14-6	10	3/8	-6	9.5	M22x1.5	14	51	28	22	63.0
1D246-16-8	1D248-16-8	12	1/2	-8	12.7	M24x1.5	16	52	29	24	63.0
1D246-20-10	1D248-20-10	16	5/8	-10	15.9	M30x2	20	58	32	30	42.0
	1D248-20-12	19	3/4	-12	19.1	M30x2	20	61	35	30	42.0
1D246-25-12	1D248-25-12	19	3/4	-12	19.1	M36x2	25	64	38	36	42.0
	1D248-30-16	25	1	-16	25.4	M42x2	30	71	42	46	42.0

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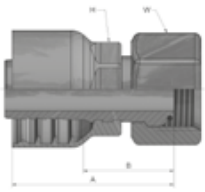
EA

BSP Swivel Female

with O-Ring (60° Cone)
BS 5200 – ISO 12151-6 – DKOR





***New 3S-Fitting-Design**

Part Number		Hose I.D. DN	Inch	Size	mm	Thread BSP	A mm	B mm	H mm	W mm	Max WP MPa
	1EA48-2-4	6	1/4	-4	6.4	1/8x28	41	17		14	63.0
	1EA48-4-4	6	1/4	-4	6.4	1/4x19	40	17		19	45.0
	1EA48-4-5	8	5/16	-5	7.9	1/4x19	45	21		19	45.0
	1EA48-6-4	6	1/4	-4	6.4	3/8x19	49	26		22	45.0
	1EA48-6-5	8	5/16	-5	7.9	3/8x19	50	25		22	45.0
1EA46-6-6	1EA48-6-6	10	3/8	-6	9.5	3/8x19	43	20		22	45.0
	1EA48-8-6	10	3/8	-6	9.5	1/2x14	51	28		27	42.0
	1EA48-6-8	12	1/2	-8	12.7	3/8x19	46	22		22	45.0
	1EA48-8-8	12	1/2	-8	12.7	1/2x14	45	22		27	42.0
	1EA48-8-8C	12	1/2	-8	12.7	1/2x14	45	22		27	42.0
	1EA48-10-10*	16	5/8	-10	15.9	5/8x14	50	27	24	30	42.0
	1EA48-12-10	16	5/8	-10	15.9	3/4x14	54	29		32	42.0
	1EA48-12-12*	19	3/4	-12	19.1	3/4x14	53	29	27	32	42.0
	1EA48-16-12	19	3/4	-12	19.1	1x11	61	35		41	42.0
	1EA48-16-16*	25	1	-16	25.4	1x11	66	38	32	41	42.0
	1EA48-16-16C*	25	1	-16	25.4	1x11	61	31		41	42.0
	1EA48-20-20	31	1 1/4	-20	31.8	1 1/4x11	78	31		50	35.0
	1EA48-24-24	38	1 1/2	-24	38.1	1 1/2x11	72	34		55	30.0
	1EA48-32-32	50	2	-32	50.8	2x11	81	33		70	25.0

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. See the O-ring dimensions and part numbers in the 4400 catalogue.

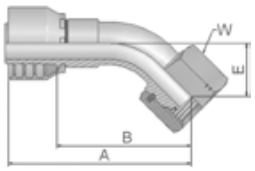
* Suffix C = Stainless
* Crimp hex version

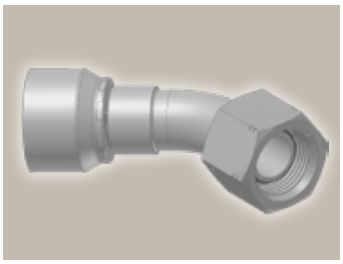
EB

BSP Swivel Female

with O-Ring

45° Elbow (60° Cone)
BS 5200 – ISO 12151-6 – DKOR 45°





Part Number	Hose I.D. DN	Inch	Size	mm	Thread BSP	A mm	B mm	E mm	W mm	Max WP MPa
1EB48-4-4	6	1/4	-4	6.4	1/4x19	57	34	14	19	45.0
1EB48-6-6	10	3/8	-6	9.5	3/8x19	69	46	17	22	45.0
1EB48-8-8	12	1/2	-8	12.7	1/2x14	71	48	20	27	42.0
1EB48-12-12	19	3/4	-12	19.1	3/4x14	89	63	27	32	42.0
1EB48-16-16	25	1	-16	25.4	1x11	112	82	33	41	42.0
1EB48-32-32	50	2	-32	50.8	2x11	210	161	66	70	25.0

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. See the O-ring dimensions and part numbers in the 4400 catalogue.

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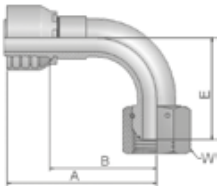
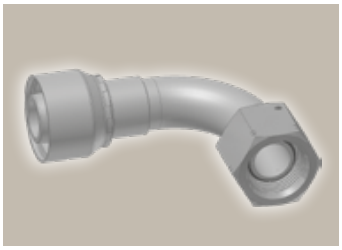
EC

BSP Swivel Female

with O–Ring

90° Elbow (60° Cone)
BS 5200 – ISO 12151-6 – DKOR 90°





Part Number	Hose I.D.				Thread	A	B	E	W	Max WP
	DN	Inch	Size	mm	BSP	mm	mm	mm	mm	MPa
1EC48-4-4	6	1/4	-4	6.4	1/4x19	50	27	24	19	45.0
1EC48-6-4	6	1/4	-4	6.4	3/8x19	51	27	27	22	45.0
1EC48-6-5	8	5/16	-5	7.9	3/8x19	52	28	28	22	45.0
1EC48-6-6	10	3/8	-6	9.5	3/8x19	60	38	33	22	45.0
1EC48-8-6	10	3/8	-6	9.5	1/2x14	60	38	36	27	42.0
1EC48-8-8	12	1/2	-8	12.7	1/2x14	63	40	40	27	42.0
1EC48-10-10	16	5/8	-10	15.9	5/8x14	70	45	44	30	42.0
1EC48-12-12	19	3/4	-12	19.1	3/4x14	79	54	55	32	42.0
1EC48-16-16	25	1	-16	25.4	1x11	104	75	71	41	42.0
1EC48-16-16C	25	1	-16	25.4	1x11	104	75	71	41	42.0
1EC48-20-20	31	1 1/4	-20	31.8	1 1/4x11	129	82	75	50	35.0
1EC48-24-24	38	1 1/2	-24	38.1	1 1/2x11	140	102	103	55	30.0
1EC48-32-32	51	2	-32	50.8	2x11	185	137	132	70	25.0

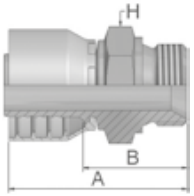
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. See the O-ring dimensions and part numbers in the 4400 catalogue.

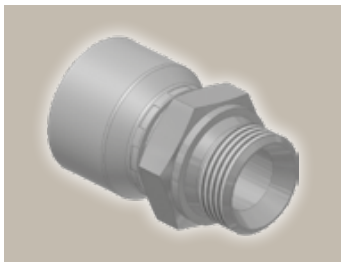
* Suffix C = Stainless

D9

Male BSP Parallel Pipe

Rigid - Straight (60° Cone)
BS5200 – AGR



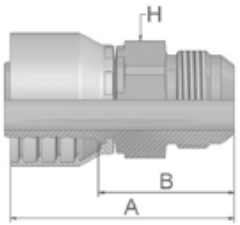


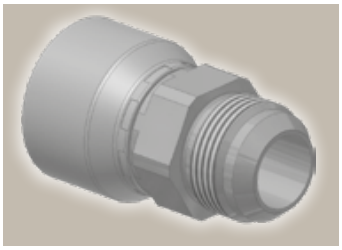
Part Number		Hose I.D.				Thread	A	B	H	Max WP
		DN	Inch	Size	mm	BSP	mm	mm	mm	MPa
	1D948-2-4	6	1/4	-4	6.4	1/8x28	46	22	14	63.0
1D946-4-4	1D948-4-4	6	1/4	-4	6.4	1/4x19	51	27	19	63.0
	1D948-6-4	6	1/4	-4	6.4	3/8x19	53	31	22	55.0
	1D948-8-4	6	1/4	-4	6.4	1/2x14	54	52	27	55.0
1D946-6-5	1D948-6-5	8	5/16	-5	7.9	3/8x19	55	31	22	55.0
1D946-6-6	1D948-6-6	10	3/8	-6	9.5	3/8x19	54	31	22	55.0
1D946-8-6	1D948-8-6	10	3/8	-6	9.5	1/2x14	56	33	27	43.0
1D946-6-8	1D948-6-8	12	1/2	-8	12.7	3/8x19	54	30	22	43.0
	1D948-8-8	12	1/2	-8	12.7	1/2x14	57	33	27	43.0
	1D948-10-10	16	5/8	-10	15.9	5/8x14	60	35	30	42.0
1D946-12-12	1D948-12-12	19	3/4	-12	19.1	3/4x14	62	36	32	35.0
1D946-16-16	1D948-16-16	25	1	-16	25.4	1x11	72	42	41	28.0
	1D948-20-20	31	1 1/4	-20	31.8	1 1/4x11	92	45	50	25.0
	1D948-24-24	38	1 1/2	-24	38.1	1 1/2x11	87	49	60	21.0
	1D948-32-32	51	2	-32	50.8	2x11	102	54	70	21.0

03

Male JIC 37° - Rigid

Straight
ISO12151-5-S – AGJ





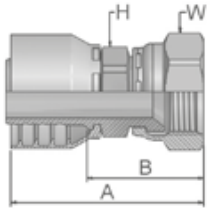
Part Number		Hose I.D.				Thread	A	B	H	Max WP
		DN	Inch	Size	mm	UNF	mm	mm	mm	MPa
10346-4-4	10348-4-4	6	1/4	-4	6.4	7/16x20	52	29	14	41.0
10346-6-4	10348-6-4	6	1/4	-4	6.4	9/16x18	55	31	19	35.0
10346-6-6	10348-6-6	10	3/8	-6	9.5	9/16x18	56	31	19	35.0
10346-8-6	10348-8-6	10	3/8	-6	9.5	3/4x16	53	30	22	35.0
10346-8-8	10348-8-8	12	1/2	-8	12.7	3/4x16	57	34	22	35.0
10346-10-10	10348-10-10	16	5/8	-10	15.9	7/8x14	63	38	24	35.0

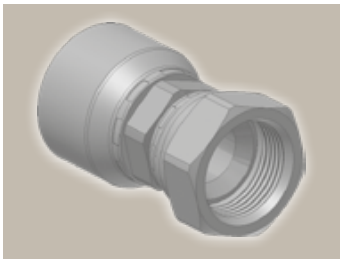
06/68

Female – JIC 37°

SAE 45° Dual Flare

Swivel – Straight
ISO12151-5-SWS – DKJ





***New 3S-Fitting-Design**

Part Number		Hose I.D.				Thread	A	B	H	W	Max WP
		DN	Inch	Size	mm	UNF	mm	mm	mm	mm	MPa
10646-4-4*	10648-4-4*	6	1/4	-4	6.4	7/16x20	48	24	13	14	41.0
10646-6-4*	10648-6-4*	6	1/4	-4	6.4	9/16x18	51	27	13	19	35.0
10646-6-6*	10648-6-6*	10	3/8	-6	9.5	9/16x18	49	26	17	19	35.0
	10648-8-6*	10	3/8	-6	9.5	3/4x16	52	30	17	22	35.0
	10648-8-8*	12	1/2	-8	12.7	3/4x16	56	34	22	22	35.0
	10648-10-8*	12	1/2	-8	12.7	7/8x14	59	36	22	27	35.0
	10648-10-10*	16	5/8	-10	15.9	7/8x14	62	37	24	27	35.0
10646-12-10*	10648-12-10*	16	5/8	-10	15.9	1 1/16x12	63	39	24	32	35.0
10646-12-12*	10648-12-12*	19	3/4	-12	19.1	1 1/16x12	65	40	27	32	35.0
	10648-12-12C*	19	3/4	-12	19.1	1 1/16x12	65	40	27	32	35.0
10646-16-12	10648-16-12	19	3/4	-12	19.1	1 5/16x12	71	45	32	41	28.0
10646-16-16*	10648-16-16*	25	1	-16	25.4	1 5/16x12	78	45	32	41	28.0
	10648-16-16C*	25	1	-16	25.4	1 5/16x12	78	45	32	41	28.0
	10648-20-16	25	1	-16	25.4	1 5/8x12	82	50	32	50	21.0
10646-20-20	10648-20-20	31	1 1/4	-20	31.8	1 5/8x12	100	53	46	50	21.0
	10648-24-24	38	1 1/2	-24	38.1	1 7/8x12	98	60	55	60	17.5
	10648-32-32	51	2	-32	50.8	2 1/2x12	120	72	65	75	17.5

* Suffix C = Stainless
* Crimp hex version

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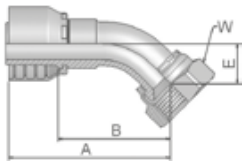
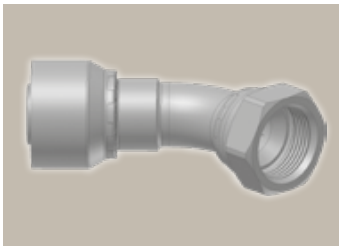
37/3V

Female JIC 37°

SAE 45° - Dual Flare

Swivel Female 45° Elbow
ISO 12151-5-SWE 45° – DKJ 45°





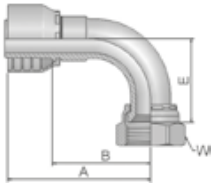
Part Number		Hose I.D.				Thread	A	B	E	W	Max WP
		DN	Inch	Size	mm	UNF	mm	mm	mm	mm	MPa
13V46-4-4	13V48-4-4	6	1/4	-4	6.4	7/16x20	53	29	10	17	41.0
13746-6-4	13748-6-4	6	1/4	-4	6.4	9/16x18	55	31	11	19	35.0
13746-6-6	13748-6-6	10	3/8	-6	9.5	9/16x18	60	37	11	19	35.0
13V46-8-6	13V48-8-6	10	3/8	-6	9.5	3/4x16	67	44	15	22	35.0
	13V48-8-8	12	1/2	-8	12.7	3/4x16	61	37	15	22	35.0
13V46-10-10	13V48-10-10	16	5/8	-10	15.9	7/8x14	69	44	16	27	35.0
13746-12-12	13748-12-12	19	3/4	-12	19.1	1 1/16x12	83	58	22	32	35.0
13746-16-16	13748-16-16	25	1	-16	25.4	1 5/16x12	99	70	24	41	28.0
	13748-20-20	31	1 1/4	-20	31.8	1 5/8x12	135	88	32	50	21.0
	13748-24-24	38	1 1/2	-24	38.1	1 7/8x12	165	127	58	60	17.5

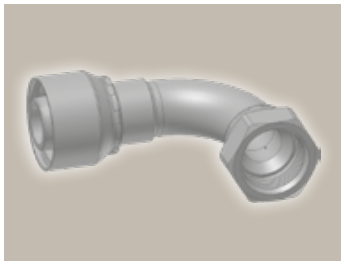
39/3W

Female JIC 37°

SAE 45° - Dual Flare

Swivel Female 90° Elbow
ISO 12151-5-SWES – DKJ 90°





Part Number		Hose I.D.				Thread	A	B	E	W	Max WP
		DN	Inch	Size	mm	UNF	mm	mm	mm	mm	MPa
13W46-4-4	13W48-4-4	6	1/4	-4	6.4	7/16x20	48	24	21	17	41.0
	13W48-5-4	6	1/4	-4	6.4	1/2x20	57	34	21	17	41.0
13946-6-4	13948-6-4	6	1/4	-4	6.4	9/16x18	49	25	23	19	35.0
13946-6-5	13948-6-5	8	5/16	-5	7.9	9/16x18	51	28	23	19	35.0
13946-6-6	13948-6-6	10	3/8	-6	9.5	9/16x18	51	28	23	19	35.0
13W46-8-6	13W48-8-6	10	3/8	-6	9.5	3/4x16	59	36	29	22	35.0
	13W48-10-6	10	3/8	-6	9.5	7/8x14	61	38	32	27	35.0
13W46-8-8	13W48-8-8	12	1/2	-8	12.7	3/4x16	55	31	29	22	35.0
13W46-10-8	13W48-10-8	12	1/2	-8	12.7	7/8x14	63	39	32	27	35.0
13W46-10-10	13W48-10-10	16	5/8	-10	15.9	7/8x14	64	39	33	27	35.0
	13W48-10-10C	16	5/8	-10	15.9	7/8x14	64	39	33	27	35.0
13946-12-10	13948-12-10	16	5/8	-10	15.9	1 1/16x12	74	49	48	32	35.0
13946-12-12	13948-12-12	19	3/4	-12	19.1	1 1/16x12	80	54	48	32	35.0
13946-16-12	13948-16-12	19	3/4	-12	19.1	1 5/16x12	80	54	56	41	28.0
13946-16-16	13948-16-16	25	1	-16	25.4	1 5/16x12	98	68	56	41	28.0
	13948-20-20	31	1 1/4	-20	31.8	1 5/8x12	129	82	70	50	21.0
	13948-24-24	38	1 1/2	-24	38.1	1 7/8x12	140	102	91	60	17.5

* Suffix C = Stainless

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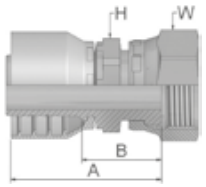
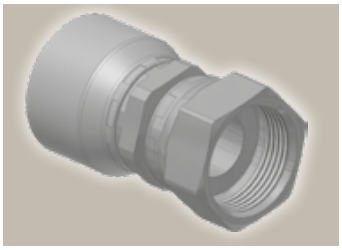
JC

Female ORFS

Swivel - Straight

Short
ISO 12151-1 – SWSA
SAE J516 – ORFS





***New 3S-Fitting-Design**

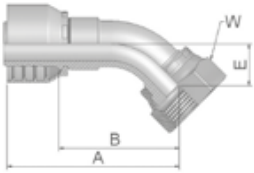
Part Number		Hose I.D.				Thread	A	B	H	W	Max WP
		DN	Inch	Size	mm	UNF	mm	mm	mm	mm	MPa
1JC46-4-4*	1JC48-4-4*	6	1/4	-4	6.4	9/16x18	39	15	13	17	63.5
1JC46-6-4*	1JC48-6-4*	6	1/4	-4	6.4	11/16x16	40	17	13	22	63.5
1JC46-6-6*	1JC48-6-6*	10	3/8	-6	9.5	11/16x16	40	17	17	22	63.5
1JC46-8-6*	1JC48-8-6*	10	3/8	-6	9.5	13/16x16	41	19	17	24	63.5
1JC46-8-8*	1JC48-8-8*	12	1/2	-8	12.7	13/16x16	43	21	22	24	63.5
1JC46-10-8*	1JC48-10-8*	12	1/2	-8	12.7	1x14	46	22	22	30	41.0
1JC46-10-10*	1JC48-10-10*	16	5/8	-10	15.9	1x14	49	24	24	30	41.0
1JC46-12-10*	1JC48-12-10*	16	5/8	-10	15.9	1 3/16x12	51	26	24	36	41.0
1JC46-12-12*	1JC48-12-12*	19	3/4	-12	19.1	1 3/16x12	52	27	27	36	41.0
1JC46-16-16*	1JC48-16-16*	25	1	-16	25.4	1 7/16x12	63	31	32	41	41.0
1JC46-16-20	1JC48-16-20	31	1 1/4	-20	31.8	1 7/16x12	86	39	46	41	41.0
1JC46-20-20	1JC48-20-20	31	1 1/4	-20	31.8	1 11/16x12	85	36	50	50	28.0

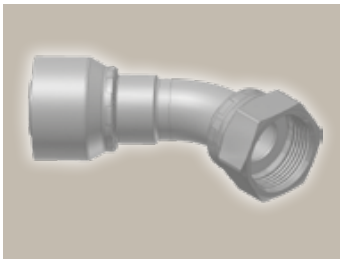
* Crimp hex version

J7

Female ORFS - Swivel

45° Elbow
ISO 12151-1 - SWE 45°
SAE J516 – ORFS 45°





Part Number		Hose I.D.				Thread	A	B	E	W	Max WP
		DN	Inch	Size	mm	UNF	mm	mm	mm	mm	MPa
1J746-4-4	1J748-4-4	6	1/4	-4	6.4	9/16x18	54	31	10	19|17	63.5
1J746-6-6	1J748-6-6	10	3/8	-6	9.5	11/16x16	54	31	11	22	63.5
1J746-8-8	1J748-8-8	12	1/2	-8	12.7	13/16x16	61	38	15	24	63.5
1J746-10-10	1J748-10-10	16	5/8	-10	15.9	1x14	67	42	16	30	41.0
1J746-12-12	1J748-12-12	19	3/4	-12	19.1	1 3/16x12	83	57	21	36	41.0
1J746-16-16	1J748-16-16	25	1	-16	25.4	1 7/16x12	99	69	24	41	41.0
1J746-20-20	1J748-20-20	31	1 1/4	-20	31.8	1 11/16x12	130	82	27	50	28.0

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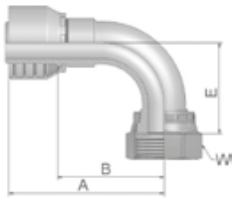
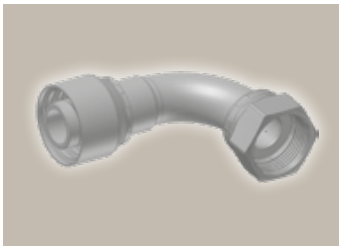
J9

Female ORFS - Swivel

90° Elbow - Short Drop
ISO 12151-1 - SWES
SAE J516 – ORFS 90°

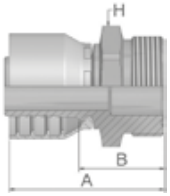


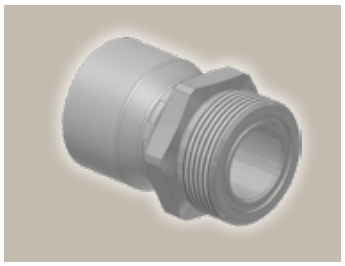


Part Number		Hose I.D.				Thread	A	B	E	W	Max WP
		DN	Inch	Size	mm	UNF	mm	mm	mm	mm	MPa
1J946-4-4	1J948-4-4	6	1/4	-4	6.4	9/16x18	52	29	21	17	63.5
1J946-6-4	1J948-6-4	6	1/4	-4	6.4	11/16x16	51	27	23	22	63.5
	1J948-8-4	6	1/4	-4	6.4	13/16x16	50	26	29	24	63.5
1J946-6-6	1J948-6-6	10	3/8	-6	9.5	11/16x16	52	29	23	22	63.5
1J946-8-6	1J948-8-6	10	3/8	-6	9.5	13/16x16	53	30	29	24	63.5
1J946-8-8	1J948-8-8	12	1/2	-8	12.7	13/16x16	55	32	29	24	63.5
1J946-10-8	1J948-10-8	12	1/2	-8	12.7	1x14	66	42	32	30	41.0
1J946-10-10	1J948-10-10	16	5/8	-10	15.9	1x14	65	39	32	30	41.0
1J946-10-12	1J948-10-12	19	3/4	-12	19.1	1x14	69	43	32	30	41.0
1J946-12-12	1J948-12-12	19	3/4	-12	19.1	1 3/16x12	80	54	48	36	41.0
1J946-16-16	1J948-16-16	25	1	-16	25.4	1 7/16x12	98	68	56	41	41.0
1J946-20-20	1J948-20-20	31	1 1/4	-20	31.8	1 11/16x12	129	82	64	50	28.0

JM

ORFS Male
ISO 12151-1-S – SAE J516





Part Number		Hose I.D.				Thread	A	B	H	Max WP
		DN	Inch	Size	mm	UNF	mm	mm	mm	MPa
1JM46-4-4	1JM48-4-4	6	1/4	-4	6.4	9/16x18	44	22	17	63.5
1JM46-6-6	1JM48-6-6	10	3/8	-6	9.5	11/16x16	47	24	19	63.5
1JM46-8-8	1JM48-8-8	12	1/2	-8	12.7	13/16x16	51	27	22	63.5
	1JM48-10-10	16	5/8	-10	15.9	1x14	57	32	27	41.0
	1JM48-10-12	19	3/4	-12	19.1	1x14	59	33	27	41.0
1JM46-12-12	1JM48-12-12	19	3/4	-12	19.1	1 3/16x12	60	34	32	41.0

To select corresponding O-ring see inside our main catalog 4400.

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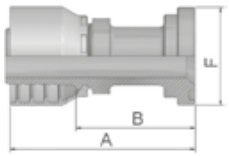
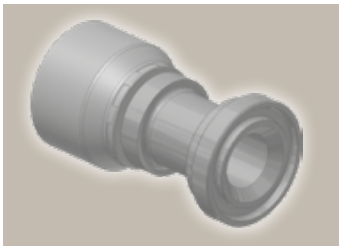
15 ISO 6162-1-Flange

Straight
ISO 12151-3-S-L – SFL
(21.0 MPa/ 3000 psi)

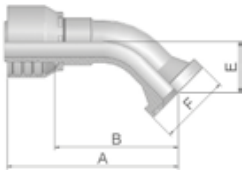


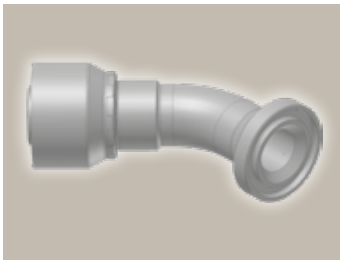


Part Number		Hose I.D.				Flange	A	B	F	Max WP
		DN	Inch	Size	mm	Inch	mm	mm	mm	MPa
11546-12-12	11548-12-12	19	3/4	-12	19.1	3/4	81	55	38	35.0
11546-16-16	11548-16-16	25	1	-16	25.4	1	84	54	45	35.0
	11548-20-20	31	1 1/4	-20	31.8	1 1/4	119	72	51	28.0
	11548-24-24	38	1 1/2	-24	38.1	1 1/2	117	79	60	28.0
	11548-32-32	51	2	-32	50.8	2	127	79	71	21.0

17 ISO 6162-1 Flange

45° Elbow
ISO 12151-3 - E45 - L – SFL 45°
(21.0 MPa/ 3000 psi)





Part Number	Hose I.D.				Flange	A	B	E	F	Max WP
	DN	Inch	Size	mm	Inch	mm	mm	mm	mm	MPa
11748-16-16	25	1	-16	25.4	1	107	78	32	45	35.0
11748-24-24	38	1 1/2	-24	38.1	1 1/2	151	113	44	60	28.0
11748-32-24	38	1 1/2	-24	38.1	2	150	112	44	71	21.0
11748-32-32	51	2	-32	50.8	2	202	153	56	71	21.0

To select corresponding half-flange and O-ring see inside our main catalog 4400.

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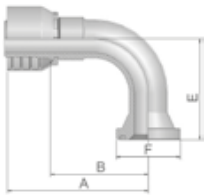
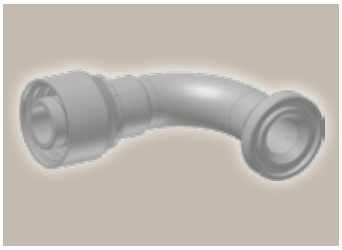
19

ISO 6162-1-Flange

90° Elbow
ISO 12151-3 - E- L – SFL 90°
(21.0 MPa/ 3000 psi)





Part Number		Hose I.D.				Flange	A	B	E	F	Max WP
		DN	Inch	Size	mm	Inch	mm	mm	mm	mm	MPa
	11948-12-12	19	3/4	-12	19.1	3/4	80	54	58	38	35.0
11946-16-12	11948-16-12	19	3/4	-12	19.1	1	80	54	58	45	35.0
11946-16-16	11948-16-16	25	1	-16	25.4	1	98	68	70	45	35.0
	11948-20-20	31	1 1/4	-20	31.8	1 1/4	130	83	90	51	28.0
	11948-24-20	31	1 1/4	-20	31.8	1 1/2	129	82	90	60	28.0
	11948-24-24	38	1 1/2	-24	38.1	1 1/2	149	111	104	60	28.0
	11948-32-24	38	1 1/2	-24	38.1	2	139	101	104	71	21.0
	11948-32-32	51	2	-32	50.8	2	180	132	138	71	21.0

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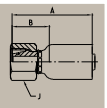
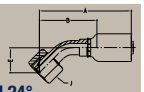
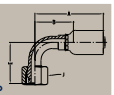
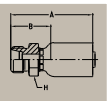
FITTINGS - 56 SERIES

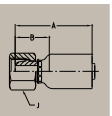
DIN – Metric

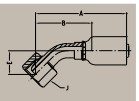
CA B-37

Metric female swivel 24° with O-ring – Light series – Metric swivel nut
ISO 12151-2

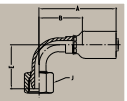
CE B-38

Metric female swivel 24° with O-ring – 45° elbow – Light series – Metric swivel nut
ISO 12151-2

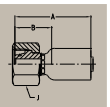
CF B-38

Metric female swivel 24° with O-ring – 90° elbow – Light series – Metric swivel nut
ISO 12151-2

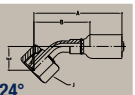
D0 B-39

Metric male 24° Light series
ISO 12151-2

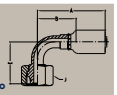
C3 B-39

Metric female swivel 24°/60° Light series – Metric swivel nut

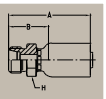
C4 B-40

Metric female swivel 24°/60° 45° elbow – Light series – Metric swivel nut

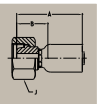
C5 B-40

Metric female swivel 24°/60° 90° elbow – Light series – Metric swivel nut

C9 B-41

Metric female swivel 24° with O-ring Heavy series – Metric swivel nut
ISO 12151-2

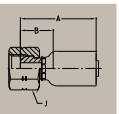
0C B-41

Metric female swivel 24° with O-ring – 45° elbow – Heavy series – Metric swivel nut
ISO 12151

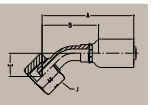
1C B-42

Metric female swivel 24° with O-ring - 90° elbow – Heavy series – Metric swivel nut
ISO 12151-2

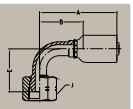
D2 B-42

Heavy series
ISO 12151-2

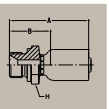
C6 B-43

Metric female swivel 24°/60° Heavy series – Metric swivel nut

BSP

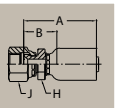
92 B-44

BSP female swivel 60° cone

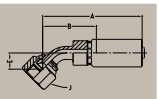
B1 B-44

BSP female swivel 60° cone 45° elbow

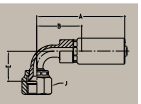
B2 B-45

BSP female swivel 60° cone 90° elbow

D9 B-45

BSP male DIN 3852 Form A

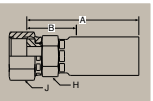
SAE

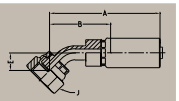
06 B-46

SAE (JIC) 37° female swivel UNF swivel nut

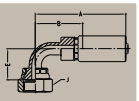
37 B-46

SAE (JIC) 37° female swivel 45° elbow – UNF swivel nut

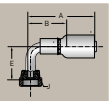
39 B-47

SAE (JIC) 37° female swivel 90° elbow – UNF swivel nut

ORFS

JC B-48

O-Lok® ORFS swivel nut Short version – UNF swivel nut
ISO 12151-1

J7 B-48

O-Lok® ORFS swivel nut 45° elbow – UNF swivel nut
ISO 12151-1

J9 B-49

O-Lok® ORFS swivel nut 90° elbow – UNF swivel nut
ISO 12151-1

J5 B-49

O-Lok ORFS swivel nut 90° elbow - medium drop - UNF swivel nut
ISO 12151-1

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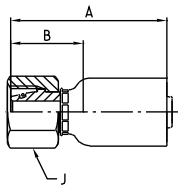
1CA56

Metric female swivel 24° with O-ring

Light series – Metric swivel nut
ISO 12151-2



Part Number	Hose I.D.				Thread	Tube O.D.	A	B	J	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
1CA56-6-3	5	3/16	-03	4.8	M12x1.5	6	39.6	21.9	14	31.5
1CA56-6-3C	5	3/16	-03	4.8	M12x1.5	6	39.6	21.9	14	31.5
1CA56-6-4	6	1/4	-04	6.4	M12x1.5	6	48.0	24.0	14	31.5
1CA56-8-4	6	1/4	-04	6.4	M14x1.5	8	47.1	22.6	17	42.5
1CA56-8-4C	6	1/4	-04	6.4	M14x1.5	8	47.1	22.6	17	42.5
1CA56-10-4	6	1/4	-04	6.4	M16x1.5	10	46.6	22.1	19	40.0
1CA56-10-4C	6	1/4	-04	6.4	M16x1.5	10	46.6	22.1	19	40.0
1CA56-12-4	6	1/4	-04	6.4	M18x1.5	12	46.6	22.1	22	35.0
1CA56-10-5	8	5/16	-05	7.9	M16x1.5	10	47.9	22.1	19	40.0
1CA56-10-5C	8	5/16	-05	7.9	M16x1.5	10	47.9	22.1	19	40.0
1CA56-12-5	8	5/16	-05	7.9	M18x1.5	12	47.9	22.1	22	35.0
1CA56-10-6	10	3/8	-06	9.5	M16x1.5	10	47.6	22.4	19	40.0
1CA56-10-6C	10	3/8	-06	9.5	M16x1.5	10	47.6	22.4	19	40.0
1CA56-12-6C	10	3/8	-06	9.5	M18x1.5	12	47.6	22.4	22	35.0
1CA56-15-6	10	3/8	-06	9.5	M22x1.5	15	48.1	22.9	27	31.5
1CA56-15-8	12	1/2	-08	12.7	M22x1.5	15	53.3	24.9	27	31.5
1CA56-15-8C	12	1/2	-08	12.7	M22x1.5	15	53.3	24.9	27	31.5
1CA56-18-8	12	1/2	-08	12.7	M26x1.5	18	53.3	24.9	32	31.5
1CA56-18-12	20	3/4	-12	19.0	M26x1.5	18	59.6	25.7	32	31.5
1CA56-22-12	20	3/4	-12	19.0	M30x2	22	57.6	29.2	36	28.0
1CA56-22-12C	20	3/4	-12	19.0	M30x2	22	57.6	29.2	36	28.0
1CA56-28-12	20	3/4	-12	19.0	M36x2	28	64.0	30.0	41	21.0
1CA56-28-16	25	1	-16	25.4	M36x2	28	77.4	29.3	41	21.0
1CA56-28-16C	25	1	-16	25.4	M36x2	28	77.4	29.3	41	21.0

* Suffix C = Stainless

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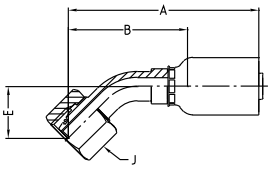
1CE56

Metric female swivel 24° with O-ring

45° elbow – Light series – Metric swivel nut
ISO 12151-2

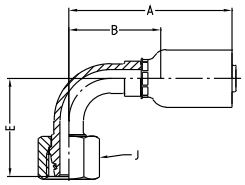


Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	J	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
1CE56-6-3	5	3/16	-03	4.8	M12x1.5	6	57.0	39.5	16.0	14	31.5
1CE56-8-4	6	1/4	-04	6.4	M14x1.5	8	62.0	38.0	16.0	17	42.5
1CE56-10-4	6	1/4	-04	6.4	M16x1.5	10	62.0	38.0	16.0	19	40.0
1CE56-10-5	8	5/16	-05	7.9	M16x1.5	10	72.0	46.0	15.0	19	40.0
1CE56-10-6	10	3/8	-06	9.5	M16x1.5	10	75.0	49.8	19.7	19	40.0
1CE56-12-6	10	3/8	-06	9.5	M18x1.5	12	73.0	48.0	19.0	22	35.0
1CE56-15-8	12	1/2	-08	12.7	M22x1.5	15	78.3	49.9	22.0	27	31.5
1CE56-18-10	16	5/8	-10	15.9	M26x1.5	18	89.0	55.7	23.5	32	31.5
1CE56-18-12	20	3/4	-12	19.0	M26x1.5	18	101.0	67.0	27.0	32	31.5
1CE56-22-12	20	3/4	-12	19.0	M30x2	22	100.0	66.0	26.0	36	28.0

1CF56

Metric female swivel 24° with O-ring

90° elbow – Light series – Metric swivel nut
ISO 12151-2



Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	J	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
1CF56-6-3	5	3/16	-03	4.8	M12x1.5	6	48.0	30.3	30.0	14	31.5
1CF56-6-3C	5	3/16	-03	4.8	M12x1.5	6	48.0	30.3	30.0	14	31.5
1CF56-6-4	6	1/4	-04	6.4	M12x1.5	6	53.0	29.0	33.2	14	31.5
1CF56-8-4	6	1/4	-04	6.4	M14x1.5	8	55.0	30.0	28.5	17	42.5
1CF56-8-4C	6	1/4	-04	6.4	M14x1.5	8	55.0	30.0	28.5	17	42.5
1CF56-10-4	6	1/4	-04	6.4	M16x1.5	10	55.0	31.0	29.0	19	40.0
1CF56-10-4C	6	1/4	-04	6.4	M16x1.5	10	55.0	31.0	29.0	19	40.0
1CF56-10-5	8	5/16	-05	7.9	M16x1.5	10	66.0	40.0	29.0	19	40.0
1CF56-10-5C	8	5/16	-05	7.9	M16x1.5	10	66.0	40.0	29.0	19	40.0
1CF56-12-5	8	5/16	-05	7.9	M18x1.5	12	65.0	40.0	30.0	22	35.0
1CF56-10-6	10	3/8	-06	9.5	M16x1.5	10	64.1	38.9	37.0	19	40.0
1CF56-12-6	10	3/8	-06	9.5	M18x1.5	12	63.0	38.0	35.0	22	35.0
1CF56-12-6C	10	3/8	-06	9.5	M18x1.5	12	63.0	38.0	35.0	22	35.0
1CF56-15-8	12	1/2	-08	12.7	M22x1.5	15	68.0	39.6	42.6	27	31.5
1CF56-15-8C	12	1/2	-08	12.7	M22x1.5	15	68.0	39.6	42.6	27	31.5
1CF56-18-10	16	5/8	-10	15.9	M26x1.5	18	87.7	45.4	51.5	32	31.5
1CF56-18-12	20	3/4	-12	19.0	M26x1.5	18	92	58.0	56	32	31.5
1CF56-22-12	20	3/4	-12	19.0	M30x2	22	91.6	57.7	55.0	36	28.0
1CF56-28-16	25	1	-16	25.4	M36x2	28	122.0	74.0	71.0	41	21.0

* Suffix C = Stainless

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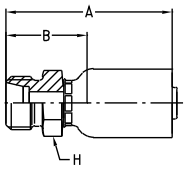
1D056

Metric male 24°

Light series
ISO 12151-2

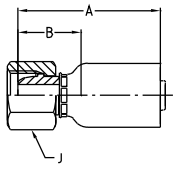


Part Number	Hose I.D.				Thread	Tube O.D.	A	B	H	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
1D056-6-3	5	3/16	-03	4.8	M12x1.5	6	41.0	23.0	12	25.0
1D056-8-4	6	1/4	-04	6.4	M14x1.5	8	46.9	22.4	14	42.5
1D056-10-4	8	1/4	-04	6.4	M16x1.5	10	48	23.7	17	40.0
1D056-10-5	8	5/16	-05	7.9	M16x1.5	10	49.8	24.0	17	40.0
1D056-12-5	8	5/16	-05	7.9	M18x1.5	12	51.7	25.9	19	35.0
1D056-10-6	10	3/8	-06	9.5	M16x1.5	10	49.5	24.3	17	40.0
1D056-12-6	10	3/8	-06	9.5	M18x1.5	12	49.5	24.3	19	35.0
1D056-15-6	10	3/8	-06	9.5	M22x1.5	15	51.7	26.5	22	31.5
1D056-15-8	12	1/2	-08	12.7	M22x1.5	15	54.9	26.6	22	31.5
1D056-18-10	16	5/8	-10	15.9	M26x1.5	18	63.6	30.3	27	31.5

1C356

Metric female swivel 24°/60°

Light series – Metric swivel nut



Part Number	Hose I.D.				Thread	Tube O.D.	A	B	J	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
1C356-6-3	5	3/16	-03	4.8	M12x1.5	6	37.4	19.7	14	25.0
1C356-8-4	6	1/4	-04	6.4	M14x1.5	8	44.1	19.6	17	25.0
1C356-10-4	6	1/4	-04	6.4	M16x1.5	10	45.0	20.0	19	25.0
1C356-10-5	8	5/16	-05	7.9	M16x1.5	10	46.1	20.3	19	25.0
1C356-10-5C	8	5/16	-05	7.9	M16x1.5	10	46.1	20.3	19	25.0
1C356-12-5	8	5/16	-05	7.9	M18x1.5	12	47.0	12.1	22	25.0
1C356-10-6	10	3/8	-06	9.5	M16x1.5	10	45.8	20.6	19	25.0
1C356-12-6	10	3/8	-06	9.5	M18x1.5	12	46.6	21.4	22	25.0
1C356-12-6C	10	3/8	-06	9.5	M18x1.5	12	46.6	21.4	22	25.0
1C356-15-8	12	1/2	-08	12.7	M22x1.5	15	49.6	21.2	27	25.0
1C356-15-8C	12	1/2	-08	12.7	M22x1.5	15	49.6	21.2	27	25.0
1C356-18-12	20	3/4	-12	19.0	M26x1.5	18	57.6	23.7	32	16.0
1C356-18-12C	20	3/4	-12	19.0	M26x1.5	18	57.6	23.7	32	16.0
1C356-22-12	20	3/4	-12	19.0	M30x2	22	60.4	26.5	36	16.0
1C356-22-12C	20	3/4	-12	19.0	M30x2	22	60.4	26.5	36	16.0

* Suffix C = Stainless

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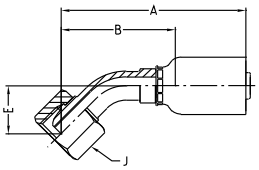
1C456

Metric female swivel 24°/60°

45° elbow – Light series – Metric swivel nut

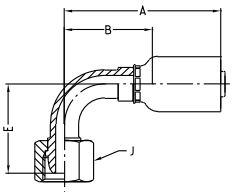


Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	J	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
1C456-6-3	5	3/16	-03	4.8	M12x1.5	6	57.0	40.0	16	14	25.0
1C456-8-4	6	1/4	-04	6.4	M14x1.5	8	60.0	35.8	14	17	25.0
1C456-10-5	8	5/16	-05	7.9	M16x1.5	10	62.0	37.0	15	19	25.0

1C556

Metric female swivel 24°/60°

90° elbow – Light series – Metric swivel nut



Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	J	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
1C556-6-3	5	3/16	-03	4.8	M12x1.5	6	48.0	30.3	30.0	14	25.0
1C556-8-4	6	1/4	-04	6.4	M14x1.5	8	53.0	28.0	26.0	17	25.0
1C556-10-4	6	1/4	-04	6.4	M16x1.5	10	53.0	28.0	27.0	19	25.0
1C556-10-4C	6	1/4	-04	6.4	M16x1.5	10	53.0	29.0	27.0	19	25.0
1C556-10-5	8	5/16	-05	7.9	M18x1.5	10	66.0	40.0	33.0	19	25.0
1C556-10-6	10	3/8	-06	9.5	M16x1.5	10	63.0	38.0	33.3	19	25.0
1C556-12-6	10	3/8	-06	9.5	M18x1.5	12	63.0	38.0	34.0	22	25.0
1C556-15-8	12	1/2	-08	12.7	M22x1.5	15	96.8	68.4	39.0	27	25.0

* Suffix C = Stainless

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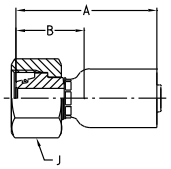
1C956

Metric female swivel 24° with O-ring

Heavy series – Metric swivel nut
ISO 12151-2



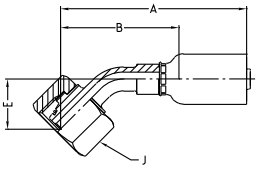
Part Number	Hose I.D.				Thread	Tube O.D.	A	B	J	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
1C956-6-3	5	3/16	-03	4.8	M14x1.5	6	40.5	22.8	17	63.0
1C956-8-3	5	3/16	-03	4.8	M16x1.5	8	40.5	22.8	19	63.0
1C956-8-4	6	1/4	-04	6.4	M16x1.5	8	48.0	23.0	19	63.0
1C956-8-4C	6	1/4	-04	6.4	M16x1.5	8	48.0	23.0	19	63.0
1C956-10-4	6	1/4	-04	6.4	M18x1.5	10	47.5	23.0	22	63.0
1C956-10-4C	6	1/4	-04	6.4	M18x1.5	10	47.5	23.0	22	63.0
1C956-12-4	6	1/4	-04	6.4	M20x1.5	12	48.4	23.9	24	63.0
1C956-10-5	8	5/16	-05	7.9	M18x1.5	10	48.8	23.0	22	63.0
1C956-12-5	8	5/16	-05	7.9	M20x1.5	12	49.7	23.9	24	63.0
1C956-12-6	10	3/8	-06	9.5	M20x1.5	12	49.4	24.2	24	63.0
1C956-12-6C	10	3/8	-06	9.5	M20x1.5	12	49.4	24.2	24	63.0
1C956-14-6	10	3/8	-06	9.5	M22x1.5	14	49.3	24.1	27	63.0
1C956-14-6C	10	3/8	-06	9.5	M22x1.5	14	49.3	27.3	27	63.0
1C956-16-8	12	1/2	-08	12.7	M24x1.5	16	55.7	27.3	30	42.0
1C956-16-8C	12	1/2	-08	12.7	M24x1.5	16	55.7	27.3	30	42.0
1C956-20-8	12	1/2	-08	12.7	M30x2	20	56	29.7	36	42.0
1C956-20-10	16	5/8	-10	15.9	M30x2	20	64,3	31.0	36	42.0
1C956-20-12	20	3/4	-12	19.0	M30x2	20	64,3	30.4	36	42.0
1C956-25-12	20	3/4	-12	19.0	M36x2	25	66.0	32.1	46	42.0
1C956-30-16	25	1	-16	25.4	M42x2	30	81	33.0	50	42.0

* Suffix C = Stainless

10C56

Metric female swivel 24° with O-ring

45° elbow – Heavy series – Metric swivel nut
ISO 12151-2



Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	J	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
10C56-10-4	6	1/4	-04	6.4	M18x1.5	10	63.8	39.3	17.0	22	63.0
10C56-12-6	10	3/8	-06	9.5	M20x1.5	12	74.6	49.4	20.0	24	63.0
10C56-16-8	12	1/2	-08	12.7	M24x1.5	16	79.5	51.0	23.0	30	42.0

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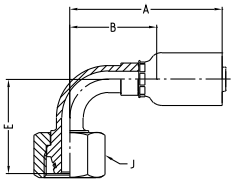
11C56

Metric female swivel 24° with O-ring

90° elbow – Heavy series – Metric swivel nut
ISO 12151-2



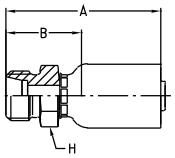
Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	J	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
11C56-6-4	6	1/4	-04	6.4	M14x1.5	6	64	39.8	32.0	17	63.0
11C56-10-4	6	1/4	-04	6.4	M18x1.5	10	53	29.0	22.0	22	63.0
11C56-12-6	10	3/8	-06	9.5	M20x1.5	12	63	38.0	37.0	24	63.0
11C56-12-6C	10	3/8	-06	9.5	M20x1.5	12	63	38.0	37.0	24	63.0
11C56-16-8	12	1/2	-08	12.7	M24x1.5	16	68	39.6	45.0	30	42.0
11C56-16-8C	12	1/2	-08	12.7	M24x1.5	16	68	39.6	45.0	30	42.0
11C56-20-12	20	3/4	-12	19.0	M30x2	20	96	62.3	57.5	36	42.0
11C56-25-12	20	3/4	-12	19.0	M36x2	25	87	53.0	59.0	46	42.0

* Suffix C = Stainless

1D256

Metric male 24°

Heavy series
ISO 12151-2



Part Number	Hose I.D.				Thread	Tube O.D.	A	B	H	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
1D256-10-4	6	1/4	-04	6.4	M18x1.5	10	51.5	27.0	19	63.0
1D256-10-5	8	5/16	-05	7.9	M18x1.5	10	52.8	27.0	19	63.0
1D256-12-5	8	5/16	-05	7.9	M20x1.5	12	52.8	27.0	22	63.0
1D256-12-6	10	3/8	-06	9.5	M20x1.5	12	52.6	27.4	22	63.0
1D256-14-6	10	3/8	-06	9.5	M22x1.5	14	56.4	31.2	22	63.0
1D256-16-8	12	1/2	-08	12.7	M24x1.5	16	59.7	31.3	24	42.0

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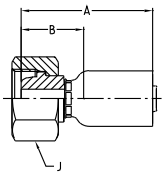
1C656

Metric female swivel 24°/60°

Heavy series – Metric swivel nut



Part Number	Hose I.D.				Thread	Tube O.D.	A	B	J	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
1C656-8-3	5	3/16	-03	4.8	M16x1.5	8	38.1	20.4	19	63.0
1C656-10-4	6	1/4	-04	6.4	M18x1.5	10	46.6	22.1	22	63.0
1C656-12-5	8	5/16	-05	7.9	M20x1.5	12	49.6	23.8	24	63.0
1C656-14-6	10	3/8	-06	9.5	M22x1.5	14	48.6	23.4	27	63.0
1C656-16-8	12	1/2	-08	12.7	M24x1.5	16	53.3	24.9	30	40.0
1C656-20-12	20	3/4	-12	19.0	M30x2	20	61.0	37.0	36	40.0

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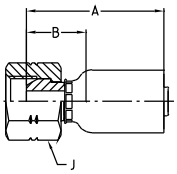
19256 BSP female swivel 60° cone

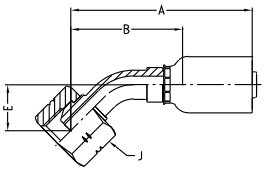


Part Number	Hose I.D.				Thread	Tube O.D.	A	B	J	Max WP
	DN	Inch	Size	mm	BSP	mm	mm	mm	mm	MPa
19256-4-3	5	3/16	-03	4.8	1/4x19	1/4	34.8	17.1	19	63.0
19256-4-3C	5	3/16	-03	4.8	1/4x19	1/4	34.8	17.1	19	63.0
19256-4-4	6	1/4	-04	6.4	1/4x19	1/4	41.8	17.3	19	63.0
19256-4-4C	6	1/4	-04	6.4	1/4x19	1/4	41.8	17.3	19	63.0
19256-6-4	6	1/4	-04	6.4	3/8x19	3/8	44.9	20.4	22	55.0
19256-4-5	8	5/16	-05	7.9	1/4x19	1/4	47.1	21.3	19	63.0
19256-6-5	8	5/16	-05	7.9	3/8x19	3/8	46.2	20.4	22	55.0
19256-6-5C	8	5/16	-05	7.9	3/8x19	3/8	46.2	20.4	22	55.0
19256-6-6	10	3/8	-06	9.5	3/8x19	3/8	45.9	20.7	22	55.0
19256-6-6C	10	3/8	-06	9.5	3/8x19	3/8	45.9	20.7	22	55.0
19256-8-6	10	3/8	-06	9.5	1/2x14	1/2	48.0	22.8	27	43.0
19256-8-8C	12	1/2	-08	12.7	1/2x14	1/2	51.2	22.8	27	43.0
19256-12-12	20	3/4	-12	19.0	3/4x14	3/4	60.3	26.4	32	35.0
19256-16-16	25	1	-16	25.4	1x11	1	73.6	25.5	41	28.0

* Suffix C = Stainless

1B156 BSP female swivel 60° cone

45° elbow



Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	J	Max WP
	DN	Inch	Size	mm	BSP	mm	mm	mm	mm	mm	MPa
1B156-4-3	5	3/16	-03	4.8	1/4x19	1/4	57	39.3	15.5	19	63.0
1B156-4-4	6	1/4	-04	6.4	1/4x19	1/4	62	38.0	15.0	19	63.0
1B156-6-6	10	3/8	-06	9.5	3/8x19	3/8	67	42.0	17.0	22	55.0
1B156-8-8	12	1/2	-08	12.7	1/2x14	1/2	77	48.0	20.0	27	43.0
1B156-12-12	20	3/4	-12	19.0	3/4x14	3/4	99	65.0	25.0	32	42.0

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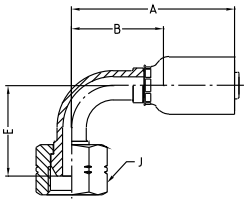
1B256

BSP female swivel 60° cone

90° elbow



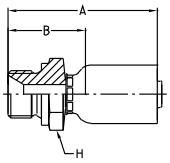
Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	J	Max WP
	DN	Inch	Size	mm	BSP	mm	mm	mm	mm	mm	MPa
1B256-4-3	5	3/16	-03	4.8	1/4x19	1/4	48.0	30.3	28.0	19	63.0
1B256-4-3C	5	3/16	-03	4.8	1/4x19	1/4	48.0	30.3	28.0	19	63.0
1B256-4-4	6	1/4	-04	6.4	1/4x19	1/4	53.0	29.0	28.0	19	63.0
1B256-4-4C	6	1/4	-04	6.4	1/4x19	1/4	53.0	29.0	28.0	19	63.0
1B256-6-5	8	5/16	-05	7.9	3/8x19	3/8	55.0	30.0	30.4	22	55.0
1B256-6-6	10	3/8	-06	9.5	3/8x19	3/8	66.0	41.0	33.0	22	55.0
1B256-6-6C	10	3/8	-06	9.5	3/8x19	3/8	66.0	41.0	33.0	22	55.0
1B256-8-8	12	1/2	-08	12.7	1/2x14	1/2	70.1	41.7	40.5	27	43.0
1B256-8-8C	12	1/2	-08	12.7	1/2x14	1/2	70.1	41.7	40.5	27	43.0

* Suffix C = Stainless

1D956

BSP male

DIN 3852 Form A



Part Number	Hose I.D.				Thread	Tube O.D.	A	B	J	Max WP
	DN	Inch	Size	mm	BSP	mm	mm	mm	mm	MPa
1D956-4-3	5	3/16	-03	4.8	1/4x19	1/4	44.4	26.7	19	63.0
1D956-6-5	8	5/16	-05	7.9	3/8x19	3/8	53.0	27.2	22	55.0
1D956-6-6	10	3/8	-06	9.5	3/8x19	3/8	52.9	27.7	22	55.0
1D956-8-8	12	1/2	-08	12.7	1/2x14	1/2	60.0	31.6	27	43.0

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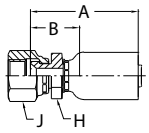
10656

SAE (JIC) 37° female swivel

UNF swivel nut



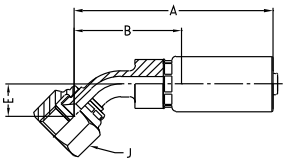
Part Number	Hose I.D.				Thread	Tube O.D.	A	B	H	J	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	mm	MPa
10656-4-2-SM	3		-02	3.2	7/16x20	1/4	33.0	16.0	13	17	41.0
10656-4-3C-SM	5	3/16	-03	4.8	7/16x20	1/4	45.2	27.5	12	17	41.0
10656-4-3-SM	5	3/16	-03	4.8	7/16x20	1/4	45.2	27.5	12	17	41.0
10656-4-4-SM	6	1/4	-04	6.4	7/16x20	1/4	52.0	27.5	14	17	41.0
10656-5-4-SM	6	1/4	-04	6.4	1/2x20	5/16	53.7	29.2	14	17	41.0
10656-5-5-SM	8	5/16	-05	7.9	1/2x20	5/16	56.0	20.3	14	17	41.0
10656-5-6-SM	10	3/8	-05	9.5	1/2x20	5/16	57.0	31.0	14	17	41.0
10656-6-4C-SM	6	1/4	-04	6.4	9/16x18	3/8	54.2	29.7	14	19	34.5
10656-6-4-SM	6	1/4	-04	6.4	9/16x18	3/8	54.2	29.7	14	19	34.5
10656-6-5C-SM	8	5/16	-05	7.9	9/16x18	3/8	56.6	30.8	14	19	34.5
10656-6-5-SM	8	5/16	-05	7.9	9/16x18	3/8	56.6	30.8	14	19	34.5
10656-6-6C-SM	10	3/8	-06	9.5	9/16x18	3/8	56.3	31.2	17	19	34.5
10656-6-6-SM	10	3/8	-06	9.5	9/16x18	3/8	56.3	31.2	17	19	34.5
10656-8-6C-SM	10	3/8	-06	9.5	3/4x16	1/2	59.0	35.0	14	22	34.5
10656-8-6-SM	10	3/8	-06	9.5	3/4x16	1/2	59.0	35.0	14	22	34.5
10656-6-8-SM	12	1/2	-08	12.7	9/16x18	3/8	61.6	33.2	17	19	35.0
10656-8-8-SM	12	1/2	-08	12.7	3/4x16	1/2	64.4	36.0	22	22	34.5
10656-10-8-SM	12	1/2	-08	12.7	7/8x14	5/8	67.1	38.8	22	27	34.5
10656-12-10-SM	16	5/8	-10	15.9	1 1/16x12	3/4	77.4	44.1	27	32	35.0
10656-12-12-SM	20	3/4	-12	19.0	1 1/16x12	3/4	77.8	43.9	27	32	34.5
10656-16-16-SM	25	1	-16	25.4	1 5/16x12	1	97.0	48.9	32	41	28.0
10656-20-16-SM	25	1	-16	25.4	1 5/8x12	1 1/4	101.0	53.0	41	50	21.0

* Suffix C = Stainless
Suffix SM = Metric hexagon

13756

SAE (JIC) 37° female swivel

45° elbow – UNF swivel nut



Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	J	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	mm	MPa
13756-4-4-SM	6	1/4	-04	6.4	7/16x20	1/4"	55.8	31.3	10	17	41.0
13756-8-6-SM	10	3/8	-06	9.5	3/4x16	1/2	70.0	45.0	15	22	35.0
13756-8-8-SM	12	1/2	-08	12.7	3/4x16	1/2"	69.2	40.8	15	22	34.5

* Suffix SM = Metric hexagon

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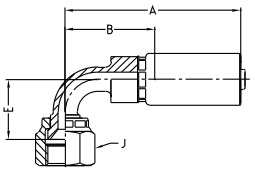
13956

SAE (JIC) 37° female swivel

90° elbow – UNF swivel nut



Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	J	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	mm	MPa
13956-4-3C-SM	5	3/16	-03	4.8	7/16x20	1/4	44.4	26.7	21	17	41.0
13956-4-3-SM	5	3/16	-03	4.8	7/16x20	1/4	44.4	26.7	21	17	41.0
13956-4-4C-SM	6	1/4	-04	6.4	7/16x20	1/4	51.0	26.5	21	17	41.0
13956-4-4-SM	6	1/4	-04	6.4	7/16x20	1/4	51.0	26.5	21	17	41.0
13956-6-5-SM	8	5/16	-05	7.9	9/16x18	3/8	54.3	28.5	33	19	35.0
13956-6-6C-SM	10	3/8	-06	9.5	9/16x18	3/8	56.0	30.7	23	19	34.5
13956-6-6-SM	10	3/8	-06	9.5	9/16x18	3/8	56.0	30.7	23	19	34.5
13956-8-6-SM	10	3/8	-06	9.5	3/4x16	1/2	65.0	39.5	29	22	34.5
13956-8-8C-SM	12	1/2	-08	12.7	3/4x16	1/2	63.0	34.6	29	22	34.5
13956-8-8-SM	12	1/2	-08	12.7	3/4x16	1/2	63.0	34.6	29	22	34.5
13956-10-8-SM	12	1/2	-08	12.7	7/8x14	5/8	71.0	42.0	32	27	34.5

* Suffix C = Stainless
Suffix SM = Metric hexagon

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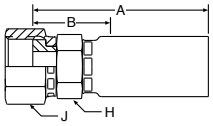
1JC56

O-Lok® ORFS swivel nut

Short version – UNF swivel nut
ISO 12151-1

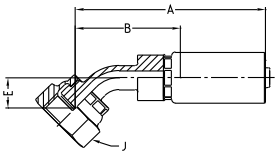


Part Number	Hose I.D.				Thread	Tube O.D.	A	B	H	J	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	mm	MPa
1JC56-4-3-SM	5	3/16	-03	4.8	9/16x18	1/4	39.0	21.3	14	17	41.0
1JC56-4-4-SM	6	1/4	-04	6.4	9/16x18	1/4	46.6	22.1	14	17	41.0
1JC56-6-5-SM	8	5/16	-05	7.9	11/16x16	3/8	51.1	25.3	17	22	41.0
1JC56-6-6-SM	10	3/8	-06	9.5	11/16x16	3/8	50.8	25.6	17	22	41.0
1JC56-8-8-SM	12	1/2	-08	12.7	13/16x16	1/2	54.2	25.8	22	24	41.0
1JC56-10-8-SM	12	1/2	-08	12.7	1x14	5/8	58.5	30.1	27	30	41.0

1J756

O-Lok® ORFS swivel nut

45° elbow – UNF swivel nut
ISO 12151-1



Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	J	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	mm	MPa
1J756-4-4-SM	6	1/4	-04	6.4	9/16x18	1/4	56.4	31.9	10	17	41.0
1J756-8-8-SM	12	1/2	-08	12.7	13/16x16	1/2	69.2	40.8	15	24	41.0

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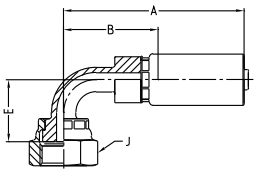
1J956

O-Lok® ORFS swivel nut

90° elbow – UNF swivel nut
ISO 12151-1

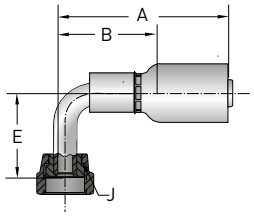


Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	J	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	mm	MPa
1J956-4-3-SM	5	3/16	-03	4.8	9/16x18	1/4	46.0	28.3	21	17	41.0
1J956-4-4-SM	6	1/4	-04	6.4	9/16x18	1/4	54.0	26.5	21	17	41.0
1J956-6-4-SM	6	1/4	-04	6.4	11/16x16	3/8	54.5	30.0	23	22	41.0
1J956-6-6-SM	10	3/8	-06	9.5	11/16x16	3/8	56.3	31.1	23	22	41.0
1J956-8-8-SM	12	1/2	-08	12.7	13/16x16	1/2	63.0	34.6	29	24	41.0
1J956-10-8-SM	12	1/2	-08	12.7	1x14	5/8	71.0	42.0	32	30	41.0

1J556

Female Seal-Lok™ Swivel nut

90° Elbow Medium Drop fittings



Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	J	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	mm	MPa
1J556-6-6-SM		3/8	-06	9.5	11/16x16	3/8	61	36.2	38	22	63.5

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Hydraulic Hoses and Fittings

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ENGINEERING YOUR SUCCESS.

High pressure hoses GLOBALCORE™

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797 *No-Skive*	Compact Spiral	C-4
797TC *No-Skive*	Compact Spiral – High abrasion resistance	C-4
797ST *No-Skive*	Compact Spiral – Extreme abrasion resistance	C-4
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Fittings 48 Series

Please find the 48 fitting pages in chapter B Medium Pressure Hoses

Fittings 70 and 73 Series

Please find the 70 and 73 series in our master catalogue 4400

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RUBBER HOSES

Compact Spiral

787
C-3

No-Skive GlobalCore Compact Spiral™
Sizes -4 to -6 exceed ISO 18752-AC

797
C-4

No-Skive GlobalCore Compact Spiral™
Size -4 exceeds ISO 18752-AC

Compact Spiral – High abrasion resistance

787TC
C-3

No-Skive GlobalCore Compact Spiral™ Tough Cover

797TC
C-4

No-Skive GlobalCore Compact Spiral™ Tough Cover

Compact Spiral – Extreme abrasion resistance

787ST
C-3

No-Skive GlobalCore Compact Spiral™ Super Tough

797ST
C-4

No-Skive GlobalCore Compact Spiral™ Super Tough

Standard Cover

SR
C-5

No-Skive Multispiral
Exceeds ISO 3862 Type 4SP - EN 856 Type 4SP

SRI42
C-6

No-Skive Multispiral
Exceeds ISO 3862 Type 4SH - EN 856 Type 4SH

Tough Cover – High abrasion resistance

SRTC
C-5

No-Skive Multispiral
Exceeds ISO 3862 Type 4SP - EN 856 Type 4SP

SRI42TC
C-6

No-Skive Multispiral
Exceeds ISO 3862 Type 4SH - EN 856 Type 4SH

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787 / 787TC / 787ST

No-Skive GlobalCore Compact Spiral™



- 1/2 the bend radius of SAE 100R13
- Constant working pressure of 35.0 MPa
- Reduced O.D. and new construction lead to superior flexibility
- 1/3 less effort to bend
- Weight reduction – up to 26 %

Primary Applications
On- & offshore, construction, injection moulding, mining

Applicable Specifications
Exceed ISO 18752-AC/CC/DC

Construction
Inner tube: Proprietary synthetic rubber
Reinforcement: Two braid steel wire for sizes -4 to -6, four or six compact spiral steel wire for sizes - 8 to -32
Cover: Synthetic rubber

Fitting Series
Series 43/48 for sizes -4 and -6



Series 77 for sizes -8 up to -32

Recommended Fluids
Petroleum based hydraulic fluids and lubricating oils.
Please refer to our main catalogue CAT/4400 for more detailed information.

Standard Cover

Temperature Range
-40 °C up to +100 °C
Exception:
Air → max. +70 °C
Water → max. +85 °C

Tough Cover

Highly abrasion resistant TOUGH COVER MSHA approved

Super Tough Cover

Extreme abrasion resistant SUPER TOUGH cover MSHA approved

Temperature Range
-40 °C up to +125°C (size -4 up to +100°C)
Exception:
Air → max. +70 °C
Water → max. +85 °C

Part Number			Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
			DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
787-4	787TC-4	787ST-4	6	1/4	-4	6.3	13.0	35.0	5000	140.0	20000	50	0.31
787-6	787TC-6	787ST-6	10	3/8	-6	10.0	17.2	35.0	5000	140.0	20000	63	0.42
787-8	787TC-8	787ST-8	12	1/2	-8	12.7	21.1	35.0	5000	140.0	20000	90	0.67
787-10	787TC-10	787ST-10	16	5/8	-10	15.9	23.9	35.0	5000	140.0	20000	100	0.80
787-12	787TC-12	787ST-12	19	3/4	-12	19.1	27.9	35.0	5000	140.0	20000	120	1.16
787-16	787TC-16	787ST-16	25	1	-16	25.4	35.7	35.0	5000	140.0	20000	150	1.74
787-20	787TC-20	787ST-20	31	1 1/4	-20	31.8	44.9	35.0	5000	140.0	20000	210	2.89
787-24	787TC-24	787ST-24	38	1 1/2	-24	38.1	52.8	35.0	5000	140.0	20000	255	3.96
787-32	787TC-32	787ST-32	51	2	-32	50.8	67.6	35.0	5000	140.0	20000	318	6.50

Replace the hose when any deformation or damage on the hose cover are visible.
The combination of high temperature and high pressure could reduce the hose life.

Hose layline example



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797 / 797TC / 797ST

No-Skive GlobalCore Compact Spiral™

Primary Applications
On- & offshore, construction, injection moulding, mining

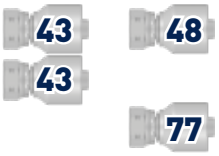
Applicable Specifications
Exceed ISO 18752-AC/CC/DC

Construction
Inner tube: Proprietary synthetic rubber
Reinforcement: Two braid steel wire for size -4, four or six compact spiral steel wire for sizes - 6 to -32
Cover: Synthetic rubber

Fitting Series
Series 43/48 for size -4

Series 43 for size -6

Series 77 for sizes -8 up to -32





- 1/2 the bend radius of SAE 100R15
- Constant working pressure of 42.0 MPa
- Reduced O.D. and new construction lead to superior flexibility
- 1/3 less effort to bend
- Weight reduction – up to 26 %

Recommended Fluids
Petroleum based hydraulic fluids and lubricating oils.
Please refer to our main catalogue CAT/4400 for more detailed information.

Standard Cover

Temperature Range
-40 °C up to +100 °C
Exception:
Air → max. +70 °C
Water → max. +85 °C

TC Tough Cover

Highly abrasion resistant TOUGH COVER MSHA approved

ST Super Tough Cover

Extreme abrasion resistant SUPER TOUGH cover MSHA approved

Temperature Range
-40 °C up to +125°C (size -4 up to +100°C)
Exception:
Air → max. +70 °C
Water → max. +85 °C

Part Number			Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
			DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
797-4	797TC-4	797ST-4	6	1/4	-4	6.3	13.0	42.0	6000	168.0	24000	50	0.31
797-6	797TC-6	797ST-6	10	3/8	-6	10.0	17.0	42.0	6000	168.0	24000	63	0.46
797-8	797TC-8	797ST-8	12	1/2	-8	12.7	21.1	42.0	6000	168.0	24000	100	0.67
797-10	797TC-10	797ST-10	16	5/8	-10	15.9	23.9	42.0	6000	168.0	24000	115	0.80
797-12	797TC-12	797ST-12	19	3/4	-12	19.1	27.9	42.0	6000	168.0	24000	135	1.16
797-16	797TC-16	797ST-16	25	1	-16	25.4	35.7	42.0	6000	168.0	24000	165	1.74
797-20	797TC-20	797ST-20	31	1 1/4	-20	31.8	44.9	42.0	6000	168.0	24000	225	2.89
797-24	797TC-24	797ST-24	38	1 1/2	-24	38.1	52.8	42.0	6000	168.0	24000	305	3.96
797-32	797TC-32	797ST-32	51	2	-32	50.8	67.6	42.0	6000	168.0	24000	380	6.50

Replace the hose when any deformation or damage on the hose cover are visible.
The combination of high temperature and high pressure could reduce the hose life.

Hose layline example



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SR / SRTC Range

No-Skive Multispiral



- *No-Skive* hose construction
- High performance
- Reinforcement of four spiral high-tensile steel wire
- Temperature range up to +120 °C
- Available also with highly abrasion resistant **TOUGH** COVER - MSHA approved

Primary Applications

General high pressure hydraulic applications

Applicable Specifications

ISO 18752 Type CC (BC for only size 6)
ISO 3862 / EN 856 4SP (size 6, 10, 12, 16)
ISO 3862 / EN 846 4SH (size 20, 24, 32)

Construction

Inner tube: Synthetic rubber
Reinforcement: Four spiral high-tensile steel wire
Cover: Synthetic rubber

Temperature Range

..... -40 °C up to +120 °C
(+100 °C only for Size 6)

Exception:
Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water.

Please refer to our main catalogue CAT/4400 for more detailed information.

Fitting Series

Series 70 for size - 6 — 70
Series 77 for sizes -8 up to -20 — 77
Series 73 for sizes -24 up to -32 — 73

Standard Cover | TC Tough Cover — Highly abrasion resistant **TOUGH** COVER MSHA approved

Part Number		Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
		DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
SR45-6	SR45TC-6	10	3/8	-6	9.5	17.1	45.0	6500	180.0	26000	180	0.46
SR35-8	SR35TC-8	12	1/2	-8	12.7	21.1	35.0	5000	140.0	20000	180	0.67
SR35-10	SR35TC-10	16	5/8	-10	15.9	23.8	35.0	5000	140.0	20000	210	0.80
SR35-12	SR35TC-12	19	3/4	-12	19.1	28.1	35.0	5000	140.0	20000	240	1.16
SR35-16	SR35TC-16	25	1	-16	25.4	35.7	35.0	5000	140.0	20000	280	1.74
SR35-20	SR35TC-20	31	1 1/4	-20	31.8	43.8	35.0	5000	140.0	20000	380	2.41
SR29-24	SR29TC-24	38	1 1/2	-24	38.1	53.1	29.0	4200	116.0	16800	500	3.20
SR25-32	SR25TC-32	51	2	-32	50.8	66.5	25.0	3625	100.0	14500	630	4.60

The combination of high temperature and high pressure could reduce the hose life.

Hose layline example



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SRI42 / SRI42TC

No-Skive Multispiral



- *No-Skive* hose construction
- High performance
- Reinforcement of four or six spiral high-tensile steel wire
- Constant working pressure of 42.0 MPa
- Temperature range up to +120 °C

Primary Applications
General high pressure hydraulic applications

Applicable Specifications
ISO 18752 type CC
ISO 3862 / EN 846 4SP (size 8)
ISO 3862 / EN 846 4SH (size 12, 16)

Construction
Inner tube: Synthetic rubber
Reinforcement: Four or six spirals high-tensile steel wire
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +120 °C
Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids
Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked.
Please refer to our main catalogue CAT/4400

Fitting Series
All sizes

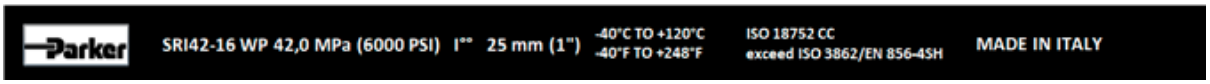


Standard Cover | Tough Cover (TC) — Highly abrasion resistant TOUGH COVER MSHA approved

Part Number		Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
		DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
SRI42-8	SRI42TC-8	12	1/2	-8	12.7	21.1	42.0	6000	168.0	24000	180	0.67
SRI42-10	SRI42TC-10	16	5/8	-10	15.9	23.8	42.0	6000	168.0	24000	210	0.80
SRI42-12	SRI42TC-12	19	3/4	-12	19.1	28.1	42.0	6000	168.0	24000	265	1.16
SRI42-16	SRI42TC-16	25	1	-16	25.4	35.7	42.0	6000	168.0	24000	300	1.74
SRI42-20	SRI42TC-20	31	1 1/4	-20	31.8	45.4	42.0	6000	168.0	24000	400	2.89

The combination of high temperature and high pressure could reduce the hose life.

Hose layline example



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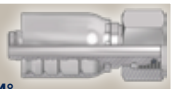
FITTINGS - 77 SERIES

DIN – Metric

CA C-9

Female Metric 24° Light Series with O–Ring Swivel - Straight
ISO 12151-2-SWS-L – DKOL

CF C-9

Female Metric 24° Light Series with O–Ring Swivel - 90° Elbow
ISO 12151-2-SWE-L – DKOL 90°

C9 C-10

Female Metric 24° - Swivel Heavy Series with O-Ring Straight
ISO 12151-2-SWS-S – DKOS

0C C-10

Female Metric 24° - Swivel Heavy Series with O–Ring 45° Elbow
ISO 12151-2 - SWE -S – DKOS 45°

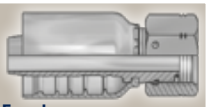
1C C-11

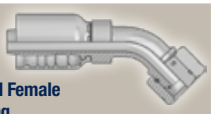
Female Metric 24° - Swivel Heavy Series with O–Ring 90° Elbow
ISO 12151-2-SWE-S – DKOS 90°

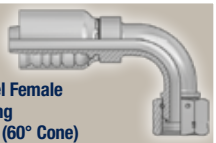
D2 C-11

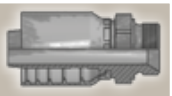
Male Metric 24° - Rigid Heavy Series - Straight
ISO 12151-2-S-S – CES

BSP

EA C-12

BSP Swivel Female with O–Ring (60° Cone)
BS 5200 – ISO 12151-6 – DKOR

EB C-12

BSP Swivel Female with O–Ring 45° Elbow (60° Cone)
BS 5200 – ISO 12151-6 – DKOR 45°

EC C-13

BSP Swivel Female with O–Ring 90° Elbow (60° Cone)
BS 5200 – ISO 12151-6 – DKOR 90°

D9 C-13

Male BSP Parallel Pipe Rigid - Straight (60° Cone)
BS5200 – AGR

SAE

01 C-14

Male NPTF Pipe Rigid – Straight
SAE J476A / J516 – AGN

03 C-14

Male JIC 37° - Rigid Straight
ISO12151-5-S – AGJ

06 C-15

Female JIC 37° – Swivel Straight
ISO12151-5-SWS – DKJ

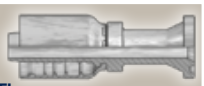
37 C-16

Female JIC 37° - Swivel 45° Elbow
ISO 12151-5-SWE 45° – DKJ 45°

39 C-16

Female JIC 37° - Swivel 90° Elbow
ISO 12151-5-SWES – DKJ 90°

Flange

15/4A C-17

ISO 6162-1-Flange Straight
ISO 12151-3-S-L – SFL
(35.0 MPa/ 5000 psi)

17/4F C-18

ISO 6162-1-Flange 45° Elbow
ISO 12151-3 - E45S - L – SFL 45°
(35.0 MPa/ 5000 psi)

19/4N C-19

ISO 6162-1-Flange 90° Elbow
ISO 12151-3-E-L – SFL 90°
(35.0 MPa/ 5000 psi)

6A C-20

ISO 6162-2-Flange Straight
ISO 12151-3-S-S – SFS
(42.0 MPa/ 6000 psi)

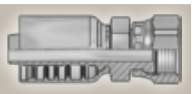
6F C-21

ISO 6162-2-Flange 45° Elbow - Heavy Series
ISO 12151-3 - E45-S – SFS 45°
(42.0 MPa/ 6000 psi)

6N C-22

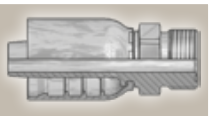
ISO 6162-2-Flange 90° Elbow
ISO 12151-3 - E-S – SFS 90°
(42.0 MPa/ 6000 psi)

ORFS

JC C-23

Female ORFS Swivel - Straight Short
ISO 12151-1 – SWSA SAE J516 – ORFS

J9 C-24

Female ORFS - Swivel 90° Elbow - Short Drop
ISO 12151-1 - SWES
SAE J516 – ORFS 90°

JM C-24

ORFS Male
ISO 12151-1-S – SAE J516

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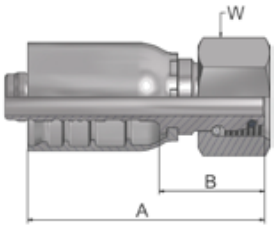
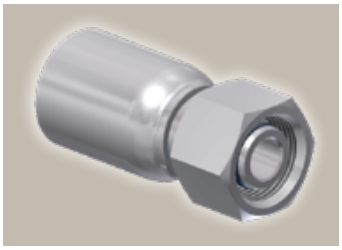
CA

Female Metric 24°

Light Series with O-Ring

Swivel - Straight
ISO 12151-2-SWS-L – DKOL





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	W	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
1CA77-15-8	12	1/2	-8	12.7	M22x1.5	15	63	28	27	40.0
1CA77-18-10	16	5/8	-10	15.9	M26x1.5	18	66	27	32	40.0
1CA77-18-10C	16	5/8	-10	15.9	M26x1.5	18	66	27	32	31.5
1CA77-22-12	19	3/4	-12	19.1	M30x2	22	73	27	36	25.0
1CA77-22-12C	19	3/4	-12	19.1	M30x2	22	73	27	36	16.6
1CA77-28-16	25	1	-16	25.4	M36x2	28	89	35	41	25.0
1CA77-28-16C	25	1	-16	25.4	M36x2	28	89	35	41	16.0
1CA77-35-20	31	1 1/4	-20	31.8	M45x2	35	100	37	50	25.0
1CA77-35-20C	31	1 1/4	-20	31.8	M45x2	35	100	37	50	16.0
1CA77-42-24	38	1 1/2	-24	38.1	M52x2	42	106	39	60	25.0
1CA77-42-24C	38	1 1/2	-24	38.1	M52x2	42	106	39	60	16.0

Fittings with standard O-ring seals can be used for temperatures from -40 °C up to +105 °C.
O-rings see in catalogue 4400. Special O-rings are available on request.

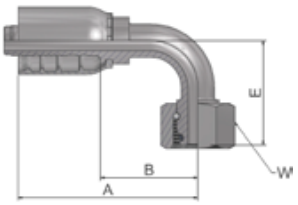
* suffix C = Stainless

CF

Female Metric 24°

Light Series with O-Ring

Swivel - 90° Elbow
ISO 12151-2-SWE-L – DKOL 90°





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
1CF77-15-8	12	1/2	-8	12.7	M22x1.5	15	76	41	45	27	40.0
1CF77-15-8C	12	1/2	-8	12.7	M22x1.5	15	76	41	45	27	31.5
1CF77-18-10	16	5/8	-10	15.9	M26x1.5	18	92	53	49	32	40.0
1CF77-18-10C	16	5/8	-10	15.9	M26x1.5	18	92	53	49	32	31.5
1CF77-22-10	16	5/8	-10	15.9	M30x2	22	95	56	52	36	25.0
1CF77-22-12	19	3/4	-12	19.1	M30x2	22	108	62	59	36	25.0
1CF77-28-16	25	1	-16	25.4	M36x2	28	131	77	69	41	25.0
1CF77-35-20	31	1 1/4	-20	31.8	M45x2	35	151	87	79	50	25.0
1CF77-35-20C	31	1 1/4	-20	31.8	M45x2	35	151	87	79	50	16.0
1CF77-42-24	38	1 1/2	-24	38.1	M52x2	42	179	112	101	60	25.0
1CF77-42-24C	38	1 1/2	-24	38.1	M52x2	42	179	112	101	60	16.0

Fittings with standard O-ring seals can be used for temperatures from -40 °C up to +105 °C.
O-rings in catalogue 4400. Special O-rings are available on request.

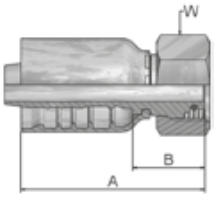
* suffix C = Stainless

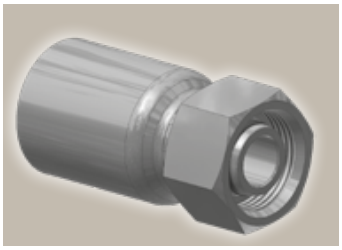
C9

Female Metric 24° - Swivel

Heavy Series with O-Ring

Straight
ISO 12151-2-SWS-S – DKOS





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	W	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
1C977-16-8	12	1/2	-8	12.7	M24x1.5	16	60	25	30	63.0
1C977-16-8C	12	1/2	-8	12.7	M24x1.5	16	60	25	30	40.0
1C977-20-10	16	5/8	-10	15.9	M30x2	20	68	28	36	42.0
1C977-20-10C	16	5/8	-10	15.9	M30x2	20	68	28	36	40.0
1C977-20-12	19	3/4	-12	19.1	M30x2	20	76	30	36	42.0
1C977-20-12C	19	3/4	-12	19.1	M30x2	20	76	30	36	40.0
1C977-25-12	19	3/4	-12	19.1	M36x2	25	76.6	30.6	46	42.0
1C977-25-12C	19	3/4	-12	19.1	M36x2	25	76.6	30.6	46	40.0
1C977-25-16	25	1	-16	25.4	M36x2	25	86	35	46	42.0
1C977-25-16C	25	1	-16	25.4	M36x2	25	89	35	46	40.0
1C977-30-16	25	1	-16	25.4	M42x2	30	89	35	50	42.0
1C977-30-16C	25	1	-16	25.4	M42x2	30	89	35	50	40.0
1C977-30-20	31	1 1/4	-20	31.8	M42x2	30	102	39	50	42.0
1C977-38-20	31	1 1/4	-20	31.8	M52x2	38	100	36	60	42.0
1C977-38-20C	31	1 1/4	-20	31.8	M52x2	38	100	36	60	31.5
1C977-38-24	38	1 1/2	-24	38.1	M52x2	38	106	39	60	42.0
1C977-38-24C	38	1 1/2	-24	38.1	M52x2	38	106	39	60	31.5

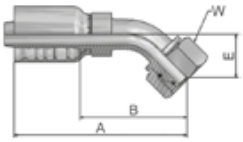
Fittings with standard O-ring seals can be used for temperatures from -40 °C up to +105 °C.
O-rings see in catalogue 4400. Special O-rings are available on request.
* suffix C = Stainless

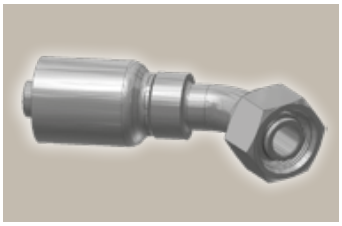
0C

Female Metric 24° - Swivel

Heavy Series with O–Ring

45° Elbow
ISO 12151-2 - SWE -S – DKOS 45°





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
10C77-16-8	12	1/2	-8	12.7	M24x1.5	16	83	49	24	30	63.0
10C77-20-10	16	5/8	-10	15.9	M30x2	20	107	68	28	36	42.0
10C77-20-10C	16	5/8	-10	15.9	M30x2	20	107	68	28	36	40.0
10C77-25-12	19	3/4	-12	19.1	M36x2	25	119	73.5	29	46	42.0
10C77-25-12C	19	3/4	-12	19.1	M36x2	25	119	73	29	46	40.0
10C77-25-12-SW41	19	3/4	-12	19.1	M36x2	25	119	73	29	41	42.0
10C77-30-16	25	1	-16	25.4	M42x2	30	142	88	33	50	42.0
10C77-30-16C	25	1	-16	25.4	M42x2	30	142	88	33	50	40.0
10C77-38-20	31	1 1/4	-20	31.8	M52x2	38	161	97	37	60	42.0
10C77-38-20C	31	1 1/4	-20	31.8	M52x2	38	161	97	37	60	31.5
10C77-38-24	38	1 1/2	-24	38.1	M52x2	38	195	128	49	60	42.0
10C77-38-24C	38	1 1/2	-24	38.1	M52x2	38	195	128	49	60	31.5

Fittings with standard O-ring seals can be used for temperatures from -40 °C up to +105 °C.
O-rings see in catalogue 4400. Special O-rings are available on request.
* suffix C = Stainless

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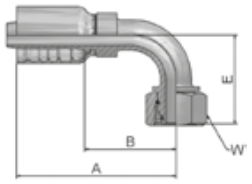
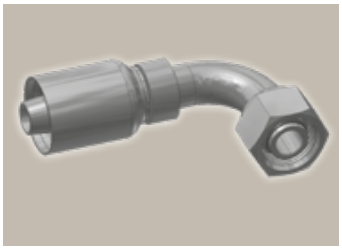
1C

Female Metric 24° - Swivel

Heavy Series with O-Ring

90° Elbow
ISO 12151-2-SWE-S – DKOS 90°





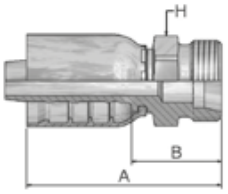
Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	mm	MPa
11C77-16-8	12	1/2	-8	12.7	M24x1.5	16	77	42	45	30	63.0
11C77-16-8C	12	1/2	-8	12.7	M24x1.5	16	77	42	45	30	40.0
11C77-20-10	16	5/8	-10	15.9	M30x2	20	92	53	53	36	42.0
11C77-20-10C	16	5/8	-10	15.9	M30x2	20	92	53	53	36	40.0
11C77-25-12	19	3/4	-12	19.1	M36x2	25	108	62	58.5	46	42.0
11C77-25-12C	19	3/4	-12	19.1	M36x2	25	108	62	59	46	40.0
11C77-30-16	25	1	-16	25.4	M42x2	30	131	77	69	50	42.0
11C77-30-16C	25	1	-16	25.4	M42x2	30	131	77	69	50	40.0
11C77-38-20	31	1 1/4	-20	31.8	M52x2	38	151	87	78	60	42.0
11C77-38-20C	31	1 1/4	-20	31.8	M52x2	38	151	87	78	60	31.5
11C77-38-24	38	1 1/2	-24	38.1	M52x2	38	179	112	101	60	42.0

Fittings with standard O-ring seals can be used for temperatures from -40 °C up to +105 °C.
O-rings in catalogue 4400. Special O-rings are available on request.
* suffix C = Stainless

D2

Male Metric 24° - Rigid

Heavy Series - Straight
ISO 12151-2-S-S – CES





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	H	Max WP
	DN	Inch	Size	mm	metric	mm	mm	mm	mm	MPa
1D277-16-8	12	1/2	-8	12.7	M24x1.5	16	64	30	24	63.0
1D277-16-8C	12	1/2	-8	12.7	M24x1.5	16	64	30	24	40.0
1D277-16-10	16	5/8	-10	15.9	M24x1.5	16	69	30	24	63.0
1D277-20-10	16	5/8	-10	15.9	M30x2	20	72	34	30	42.0
1D277-20-12	19	3/4	-12	19.1	M30x2	20	84	38	30	42.0
1D277-25-12	19	3/4	-12	19.1	M36x2	25	86	40	36	42.0
1D277-25-12C	19	3/4	-12	19.1	M36x2	25	86	40	36	40.0
1D277-25-16	25	1	-16	25.4	M36x2	25	96	42	36	42.0
1D277-30-16	25	1	-16	25.4	M42x2	30	99	45	46	42.0
1D277-30-16C	25	1	-16	25.4	M42x2	30	99	45	46	40.0
1D277-38-20	31	1 1/4	-20	31.8	M52x2	38	114	51	55	42.0

* suffix C = Stainless

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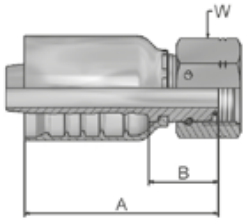
EA

BSP Swivel Female

with O–Ring (60° Cone)
BS 5200 – ISO 12151-6 – DKOR





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	W	Max WP
	DN	Inch	Size	mm	BSP	mm	mm	mm	mm	MPa
1EA77-8-8	12	1/2	-8	12.7	1/2x14	8	58	23	27	42.0
1EA77-10-10	16	5/8	-10	15.9	5/8x14	10	62	23	30	42.0
1EA77-12-10	16	5/8	-10	15.9	3/4x14	12	63	24	32	42.0
1EA77-12-12	19	3/4	-12	19.1	3/4x14	12	72	26	32	42.0
1EA77-16-16	25	1	-16	25.4	1x11	16	90	36	41	42.0
1EA77-16-16C	25	1	-16	25.4	1x11	16	90	36	41	42.0
1EA77-20-20	31	1 1/4	-20	31.8	1 1/4x11	20	96	33	50	35.0
1EA77-20-20C	31	1 1/4	-20	31.8	1 1/4x11	20	96	33	50	35.0
1EA77-24-24	38	1 1/2	-24	38.1	1 1/2	24	103	36	55	30.0
1EA77-24-24C	38	1 1/2	-24	38.1	1 1/2	24	103	36	55	30.0
1EA77-32-32	51	2	-32	50.8	2	32	118	40	70	25.0
1EA77-32-32C	51	2	-32	50.8	2	32	118	40	70	25.0

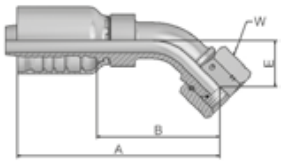
Fittings with standard O-ring seals can be used for temperatures from -40 °C up to +105 °C.
O-rings see in catalogue 4400. Special O-rings are available on request.
* suffix C = Stainless

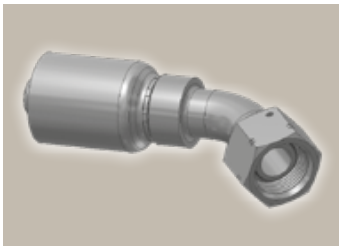
EB

BSP Swivel Female

with O–Ring

45° Elbow (60° Cone)
BS 5200 – ISO 12151-6 – DKOR 45°





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
	DN	Inch	Size	mm	BSP	mm	mm	mm	mm	mm	MPa
1EB77-8-8	12	1/2	-8	12.7	1/2x14	8	80	45	20	27	42.0
1EB77-10-10	16	5/8	-10	15.9	5/8x14	10	101	62	22	30	42.0
1EB77-12-12	19	3/4	-12	19.1	3/4x14	12	117	71	27	32	42.0
1EB77-12-12C	19	3/4	-12	19.1	3/4x14	12	117	71	27	32	42.0
1EB77-16-16	25	1	-16	25.4	1x11	16	133	79	35	41	42.0
1EB77-16-16C	25	1	-16	25.4	1x11	16	133	79	35	41	42.0
1EB77-20-20	31	1 1/4	-20	31.8	1 1/4x11	20	164	100	35	50	35.0
1EB77-20-20C	31	1 1/4	-20	31.8	1 1/4x11	20	164	100	35	50	35.0
1EB77-24-24	38	1 1/2	-24	38.1	1 1/2	24	197	130	50	55	30.0
1EB77-24-24C	38	1 1/2	-24	38.1	1 1/2	24	197	130	50	55	30.0
1EB77-32-32	51	2	-32	50.8	2	32	255	178	86	70	25.0

Fittings with standard O-ring seals can be used for temperatures from -40 °C up to +105 °C.
O-rings see in catalogue 4400. Special O-rings are available on request.
* suffix C = Stainless

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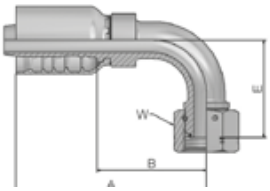
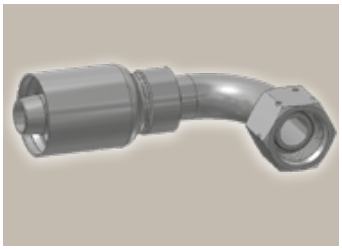
EC

BSP Swivel Female

with O–Ring

90° Elbow (60° Cone)
BS 5200 – ISO 12151-6 – DKOR 90°





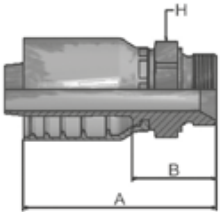
Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
	DN	Inch	Size	mm	BSP	mm	mm	mm	mm	mm	MPa
1EC77-8-8	12	1/2	-8	12.7	1/2x14	8	76	41	40	27	42.0
1EC77-10-10	16	5/8	-10	15.9	5/8x14	10	92	53	44	30	42.0
1EC77-12-10	16	5/8	-10	15.9	3/4x14	12	92	53	47	32	42.0
1EC77-12-12	19	3/4	-12	19.1	3/4x14	12	108	62	55	32	42.0
1EC77-12-12C	19	3/4	-12	19.1	3/4x14	12	108	62	55	32	42.0
1EC77-16-12C	19	3/4	-12	19.1	1x11	16	108	62	59	41	42.0
1EC77-16-16	25	1	-16	25.4	1x11	16	131	77	72	41	42.0
1EC77-16-16C	25	1	-16	25.4	1x11	16	131	69	72	41	42.0
1EC77-20-20	31	1 1/4	-20	31.8	1 1/4x11	20	151	87	75	50	35.0
1EC77-20-20C	31	1 1/4	-20	31.8	1 1/4x11	20	156	92	75	50	35.0
1EC77-24-24	38	1 1/2	-24	38.1	1 1/2	24	179	112	103	55	30.0
1EC77-24-24C	38	1 1/2	-24	38.1	1 1/2	24	179	112	103	55	30.0
1EC77-32-32	51	2	-32	50.8	2	32	236	159	150	70	25.0
1EC77-32-32C	51	2	-32	50.8	2	32	236	159	150	70	25.0

Fittings with standard O-ring seals can be used for temperatures from -40 °C up to +105 °C.
O-rings in catalogue 4400. Special O-rings are available on request.
* suffix C = Stainless

D9

Male BSP Parallel Pipe

Rigid - Straight (60° Cone)
BS5200 – AGR





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	H	Max WP
	DN	Inch	Size	mm	BSP	mm	mm	mm	mm	MPa
1D977-8-8	12	1/2	-8	12.7	1/2x14	8	68	33	27	43.0
1D977-12-12	19	3/4	-12	19.1	3/4x14	12	87	41	32	35.0
1D977-16-16	25	1	-16	25.4	1x11	16	91	45	41	28.0
1D977-20-20	31	1 1/4	-20	31.8	1 1/4x11	20	113	50	50	25.0
1D977-24-24	38	1 1/2	-24	38.1	1 1/2x11	24	124	57	55	21.0

* suffix C = Stainless

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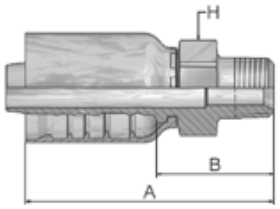
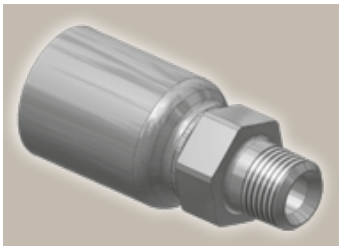
01

Male NPTF Pipe

Rigid – Straight
SAE J476A / J516 – AGN





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	H	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	MPa
10177-8-8	12	1/2	-8	12.7	1/2-14	8	69	35	22	69.0
10177-12-12	19	3/4	-12	19.1	3/4-14	12	87	41	30	52.0
10177-16-16	25	1	-16	25.4	1-11 1/2	16	103	49	36	45.0
10177-20-20	31	1 1/4	-20	31.8	1 1/4-11 1/2	20	116	53	46	35.0
10177-24-24	38	1 1/2	-24	38.1	1 1/2-11 1/2	24	124	57	50	21.0
10177-32-32	51	2	-32	50.8	2-11 1/2	32	143	66	65	17.5

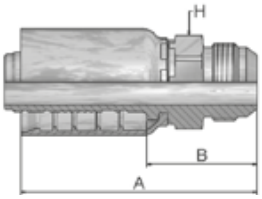
The combination of high temperature and high pressure could reduce the hose life.

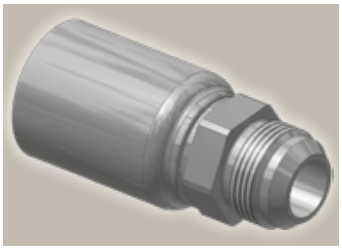
* suffix C = Stainless

03

Male JIC 37° - Rigid

Straight
ISO12151-5-S – AGJ





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	H	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	MPa
10377-8-8	12	1/2	-8	12.7	3/4x16	8	66.45	32	22	35.0
10377-8-8C	12	1/2	-8	12.7	3/4x16	8	67	32	22	35.0
10377-10-10	16	5/8	-10	15.9	7/8x14	10	76	38	24	35.0
10377-12-12	19	3/4	-12	19.1	1 1/16x12	12	89	43	30	35.0
10377-16-16	25	1	-16	25.4	1 5/16x12	16	101.4	47	36	28.0
10377-20-20	31	1 1/4	-20	31.8	1 5/8x12	20	118	55	50	21.0
10377-32-32	51	2	-32	50.8	2 1/2x12	32	148	71	65	17.5

The combination of high temperature and high pressure could reduce the hose life.

* suffix C = Stainless

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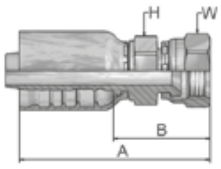
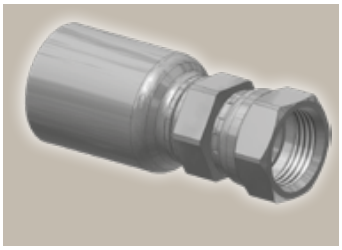
06

Female JIC 37° – Swivel

Straight
ISO12151-5-SWS – DKJ





***New 3S-Fitting-Design**

Part Number	Hose I.D.				Thread	Tube O.D.	A	B	H	W	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	mm	MPa
10677-8-8*	12	1/2	-8	12.7	3/4x16	8	71	36.5	22	22	35.0
10677-8-8C*	12	1/2	-8	12.7	3/4x16	8	71	36	22	22	35.0
10677-10-10*	16	5/8	-10	15.9	7/8x14	10	81	42	24	27	35.0
10677-10-10C*	16	5/8	-10	15.9	7/8x14	10	81	42	24	27	35.0
10677-12-10*	16	5/8	-10	15.9	1 1/16x12	12	84	45	24	32	35.0
10677-12-10C*	16	5/8	-10	15.9	1 1/16x12	12	90	50	24	36	35.0
10677-12-12*	19	3/4	-12	19.1	1 1/16x12	12	93	47.6	30	32	35.0
10677-12-12C*	19	3/4	-12	19.1	1 1/16x12	12	99	53	30	36	35.0
10677-16-12*	19	3/4	-12	19.1	1 5/16x12	16	99	53	30	41	28.0
10677-16-16*	25	1	-16	25.4	1 5/16x12	16	106	52	36	41	28.0
10677-16-16C*	25	1	-16	25.4	1 5/16x12	16	106	52	36	46	28.0
10677-20-16*	25	1	-16	25.4	1 5/8x12	20	111	55	36	50	21.0
10677-20-16C*	25	1	-16	25.4	1 5/8x12	20	111	64	36	60	21.0
10677-20-20	31	1 1/4	-20	31.8	1 5/8 12	20	124	60	46	50	21.0
10677-20-20C	31	1 1/4	-20	31.8	1 5/8 12	20	128.5	65	46	60	21.0
10677-24-24	38	1 1/2	-24	38.1	1 7/8x12	24	136	69	50	60	17.5
10677-24-24C	38	1 1/2	-24	38.1	1 7/8x12	24	141	74	50	65	17.5
10677-32-32	51	2	-32	50.8	2 1/2x12	32	160	83	65	75	17.5
10677-32-32C	51	2	-32	50.8	2 1/2x12	32	160	83	65	85	17.5

The combination of high temperature and high pressure could reduce the hose life.

* suffix C = Stainless

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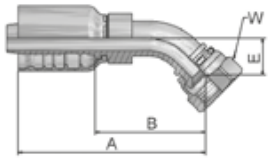
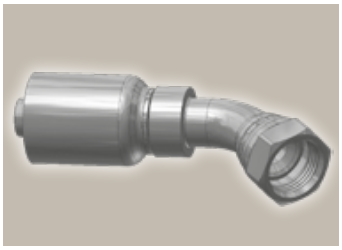
37

Female JIC 37° - Swivel

45° Elbow
ISO 12151-5-SWE 45° – DKJ 45°





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	mm	MPa
13777-8-8	12	1/2	-8	12.7	3/4x16	8	73	38	15	22	35.0
13777-8-8C	12	1/2	-8	12.7	3/4x16	8	73	38	15	22	35.0
13777-10-10	16	5/8	-10	15.9	7/8x14	10	93	54	16	27	35.0
13777-10-10C	16	5/8	-10	15.9	7/8x14	10	93	54	16	27	35.0
13777-12-12	19	3/4	-12	19.1	1 1/16x12	12	111	66	21	32	35.0
13777-12-12C	19	3/4	-12	19.1	1 1/16x12	12	113	67	23	36	35.0
13777-16-16	25	1	-16	25.4	1 5/16x12	16	122	68	24	41	28.0
13777-16-16C	25	1	-16	25.4	1 5/16x12	16	124	70	26	46	28.0
13777-20-20	31	1 1/4	-20	31.8	1 5/8x12	20	153	110	32	50	21.0
13777-20-20C	31	1 1/4	-20	31.8	1 5/8x12	20	173	110	44	60	21.0
13777-24-24	38	1 1/2	-24	38.1	1 7/8x12	24	201	134	58	60	17.5
13777-24-24C	38	1 1/2	-24	38.1	1 7/8x12	24	204	136.5	61	65	17.5
13777-32-32	51	2	-32	50.8	2 1/2x12	32	258	181	72	75	17.5

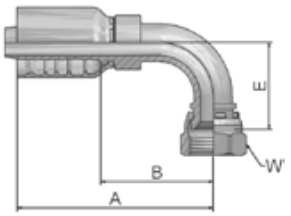
The combination of high temperature and high pressure could reduce the hose life.

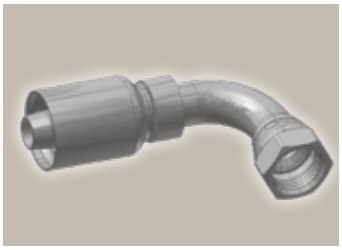
* suffix C = Stainless

39

Female JIC 37° - Swivel

90° Elbow
ISO 12151-5-SWES – DKJ 90°





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	mm	MPa
13977-8-8	12	1/2	-8	12.7	3/4x16	8	71	36	29	22	35.0
13977-8-8C	12	1/2	-8	12.7	3/4x16	8	71	36	29	22	35.0
13977-10-8	12	1/2	-8	12.7	7/8x14	10	71	36	32	27	35.0
13977-10-8C	12	1/2	-8	12.7	7/8x14	10	71	36	32	27	35.0
13977-10-10C	16	5/8	-10	15.9	7/8x14	10	88	50	33	27	35.0
13977-12-12	19	3/4	-12	19.1	1 1/16x12	12	108	62	48	32	35.0
13977-16-16	25	1	-16	25.4	1 5/16x12	16	120	66	74	41	28.0
13977-16-16C	25	1	-16	25.4	1 5/16x12	16	120	66	77	46	28.0
13977-20-20	31	1 1/4	-20	31.8	1 5/8x12	20	148	92	78	50	21.0
13977-20-20C	31	1 1/4	-20	31.8	1 5/8x12	20	156	92	88	60	21.0
13977-24-24	38	1 1/2	-24	38.1	1 7/8x12	24	17.5	108	102	60	17.5
13977-24-24C	38	1 1/2	-24	38.1	1 7/8x12	24	17.5	108	106	65	17.5

The combination of high temperature and high pressure could reduce the hose life.

* suffix C = Stainless

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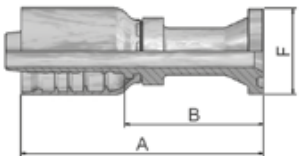
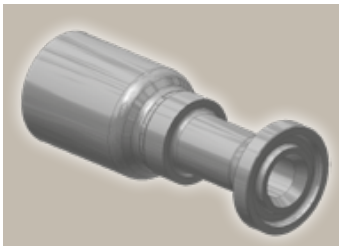
15/4A

ISO 6162-1-Flange

Straight
ISO 12151-3-S-L – SFL
(35.0 MPa/ 5000 psi)





Part Number	Hose I.D.				Flange	Tube O.D.	A	B	F	Max WP
	DN	Inch	Size	mm	Inch	mm	mm	mm	mm	MPa
11577-8-8	12	1/2	-8	12.7	1/2	8	90	55	30	35.0
11577-8-8C	12	1/2	-8	12.7	1/2	8	90	55	30	35.0
11577-12-12	19	3/4	-12	19.1	3/4	12	107	62	38	35.0
11577-12-12C	19	3/4	-12	19.1	3/4	12	107.5	62	38	35.0
11577-16-16	25	1	-16	25.4	1	16	119	65	45	35.0
11577-16-16C	25	1	-16	25.4	1	16	119	65	45	35.0
14A77-20-20	31	1 1/4	-20	31.8	1 1/4	20	138	74	51	35.0
14A77-20-20C	31	1 1/4	-20	31.8	1 1/4	20	138	74	51	35.0
14A77-24-20	31	1 1/4	-20	31.8	1 1/2	24	100	37	60	35.0
14A77-24-20C	31	1 1/4	-20	31.8	1 1/2	24	100	37	60	35.0
14A77-24-24	38	1 1/2	-24	38.1	1 1/2	24	140	73	60	35.0
14A77-32-24	38	1 1/2	-24	38.1	2	32	117	50	71	35.0
14A77-32-32	51	2	-32	50.8	2	32	163	86	71	35.0
14A77-32-32C	51	2	-32	50.8	2	32	164	86	71	35.0

SAE flange halves see in section Eb in catalogue 4400.
Fittings with standard O-ring seals can be used for temperatures from -40 °C up to +105 °C.
O-rings in catalogue 4400. Special O-rings are available on request.

* suffix C = Stainless

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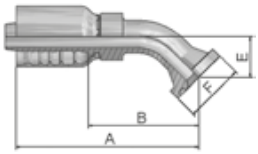
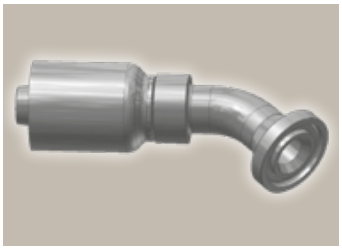
17/4F

ISO 6162-1-Flange

45° Elbow
ISO 12151-3 - E45S - L – SFL 45°
(35.0 MPa/ 5000 psi)





Part Number	Hose I.D.				Flange	Tube O.D.	A	B	E	F	Max WP
	DN	Inch	Size	mm	Inch	mm	mm	mm	mm	mm	MPa
11777-8-8	12	1/2	-8	12.7	1/2	8	79	45	20	30	35.0
11777-8-8C	12	1/2	-8	12.7	1/2	8	79	45	20	30	35.0
11777-10-10	16	5/8	-10	15.9	5/8	10	103	64	24	34	35.0
11777-12-12	19	3/4	-12	19.1	3/4	12	116	70	26	38	35.0
11777-12-12C	19	3/4	-12	19.1	3/4	12	116	70	26	38	35.0
11777-16-16	25	1	-16	25.4	1	16	130	76	32	45	35.0
11777-16-16C	25	1	-16	25.4	1	16	130	76	32	45	35.0
14F77-20-20	31	1 1/4	-20	31.8	1 1/4	20	167	104	38	51	35.0
14F77-20-20C	31	1 1/4	-20	31.8	1 1/4	20	167	104	38		35.0
14F77-24-20C	31	1 1/4	-20	31.8	1 1/2	24	167	104	38		35.0
14F77-24-24	38	1 1/2	-24	38.1	1 1/2	24	192	125	44	60	35.0
14F77-24-24C	38	1 1/2	-24	38.1	1 1/2	24	192	125	44		35.0
14F77-32-32	51	2	-32	50.8	2	32	211	134	56	71	35.0
14F77-32-32C	51	2	-32	50.8	2	32	227	149	56		35.0

SAE flange halves see in section Eb in catalogue 4400.
Fittings with standard O-ring seals can be used for temperatures from -40 °C up to +105 °C.
O-rings see in catalogue 4400. Special O-rings are available on request.

* suffix C = Stainless

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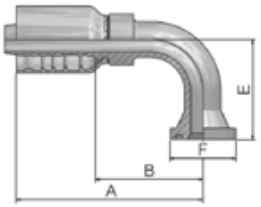
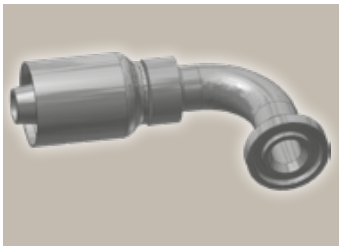
19/4N

ISO 6162-1-Flange

90° Elbow
ISO 12151-3-E-L – SFL 90°
(35.0 MPa/ 5000 psi)





Part Number	Hose I.D.				Flange	Tube O.D.	A	B	E	F	Max WP
	DN	Inch	Size	mm	Inch	mm	mm	mm	mm	mm	MPa
11977-8-8	12	1/2	-8	12.7	1/2	8	76	41	41	30	35.0
11977-8-8C	12	1/2	-8	12.7	1/2	8	76	41	41	30	35.0
11977-10-10	16	5/8	-10	15.9	5/8	10	92	53	53	34	35.0
11977-12-10	16	5/8	-10	15.9	3/4	12	86	47	58	38	35.0
11977-12-12	19	3/4	-12	19.1	3/4	12	108	62	58	38	35.0
11977-12-12C	19	3/4	-12	19.1	3/4	12	108	62	58	38	35.0
11977-16-16	25	1	-16	25.4	1	16	120	66	70	45	35.0
11977-16-16C	25	1	-16	25.4	1	16	120	66	70	45	35.0
14N77-20-16	25	1	-16	25.4	1 1/4	20	120	66	70	51	35.0
14N77-20-20	31	1 1/4	-20	31.8	1 1/4	20	156	92	90	51	35.0
14N77-20-20C	31	1 1/4	-20	31.8	1 1/4	20	156	92	90	51	35.0
14N77-24-20C	31	1 1/4	-20	31.8	1 1/2	24	156	92	90	60	35.0
14N77-24-24	38	1 1/2	-24	38.1	1 1/2	24	180	113	104	60	35.0
14N77-24-24C	38	1 1/2	-24	38.1	1 1/2	24	180	113	104	60	35.0
14N77-32-32	51	2	-32	50.8	2	32	222	145	138	71	35.0
14N77-32-32C	51	2	-32	50.8	2	32	221	144	138	71	35.0

SAE flange halves see in section Eb in catalogue 4400.
Fittings with standard O-ring seals can be used for temperatures from -40 °C up to +105 °C.
O-rings see in catalogue 4400. Special O-rings are available on request.

* suffix C = Stainless

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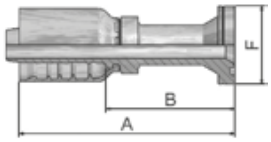
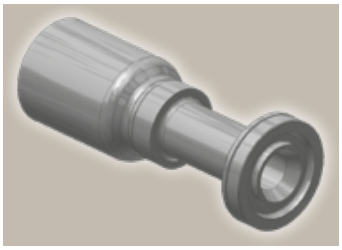
6A

ISO 6162-2-Flange

Straight
ISO 12151-3-S-S – SFS
(42.0 MPa/ 6000 psi)





Part Number	Hose I.D.				Flange	Tube O.D.	A	B	F	Max WP
	DN	Inch	Size	mm	Inch	mm	mm	mm	mm	MPa
16A77-8-8	12	1/2	-8	12.7	1/2	8	89	55	32	42.0
16A77-8-8C	12	1/2	-8	12.7	1/2	8	89	55	32	42.0
16A77-12-12	19	3/4	-12	19.1	3/4	12	114.2	68	41	42.0
16A77-12-12C	19	3/4	-12	19.1	3/4	12	114	68	41	42.0
16A77-16-12	19	3/4	-12	19.1	1	16	88.2	42	48	42.0
16A77-16-16	25	1	-16	25.4	1	16	113	59	48	42.0
16A77-16-16C	25	1	-16	25.4	1	16	113	59	48	42.0
16A77-20-16	25	1	-16	25.4	1 1/4	20	103	49	54	42.0
16A77-20-16C	25	1	-16	25.4	1 1/4	20	103	49	54	42.0
16A77-16-20	31	1 1/4	-20	31.8	1	16	145	82	48	42.0
16A77-20-20	31	1 1/4	-20	31.8	1 1/4	20	146	82	54	42.0
16A77-20-20C	31	1 1/4	-20	31.8	1 1/4	20	145.5	82	54	42.0
16A77-24-20	31	1 1/4	-20	31.8	1 1/2	24	118	55	64	42.0
16A77-20-24	38	1 1/2	-24	38.1	1 1/4	20	154	87	54	42.0
16A77-24-24	38	1 1/2	-24	38.1	1 1/2	24	162	95.5	64	42.0
16A77-24-24C	38	1 1/2	-24	38.1	1 1/2	24	162	95.5	64	42.0
16A77-32-32	51	2	-32	50.8	2	32	183	105	79	42.0
16A77-32-32C	51	2	-32	50.8	2	32	182	105	79	42.0

SAE flange halves see in section Eb in catalogue 4400.
Fittings with standard O-ring seals can be used for temperatures from -40 °C up to +105 °C.
O-rings see in catalogue 4400. Special O-rings are available on request.

* suffix C = Stainless

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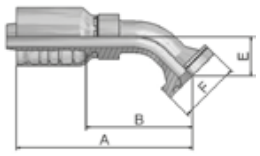
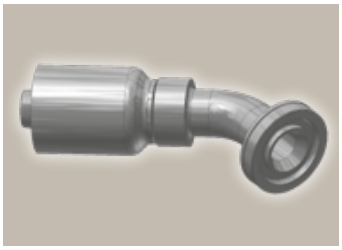
6F

ISO 6162-2-Flange

45° Elbow - Heavy Series
ISO 12151-3 - E45-S – SFS 45°
(42.0 MPa/ 6000 psi)





Part Number	Hose I.D.				Flange	Tube O.D.	A	B	E	F	Max WP
	DN	Inch	Size	mm	Inch	mm	mm	mm	mm	mm	MPa
16F77-12-12	19	3/4	-12	19.1	3/4	12	116.2	70	26	41	42.0
16F77-12-12C	19	3/4	-12	19.1	3/4	12	116.2	70	26	41	42.0
16F77-16-12	19	3/4	-12	19.1	1	16	116	77	26	48	42.0
16F77-16-12C	19	3/4	-12	19.1	1	16	123	77	32	48	42.0
16F77-12-16	25	1	-16	25.4	3/4	12	132	78	32	41	42.0
16F77-16-16	25	1	-16	25.4	1	16	141	87	32	48	42.0
16F77-16-16C	25	1	-16	25.4	1	16	141	87	32	48	42.0
16F77-20-16	25	1	-16	25.4	1 1/4	20	142	88	32	54	42.0
16F77-20-16C	25	1	-16	25.4	1 1/4	20	142	88	32	54	42.0
16F77-20-20	31	1 1/4	-20	31.8	1 1/4	20	167	104	38	54	42.0
16F77-20-20C	31	1 1/4	-20	31.8	1 1/4	20	167	104	38	54	42.0
16F77-24-20	31	1 1/4	-20	31.8	1 1/2	24	173	110	44	64	42.0
16F77-24-20C	31	1 1/4	-20	31.8	1 1/2	24	173	110	44	64	42.0
16F77-24-24	38	1 1/2	-24	38.1	1 1/2	24	192	125	44	64	42.0
16F77-24-24C	38	1 1/2	-24	38.1	1 1/2	24	192	125	44	64	42.0
16F77-32-24C	38	1 1/2	-24	38.1	2	32	192	125	44	79	42.0
16F77-32-32	51	2	-32	50.8	2	32	218	141	56	79	42.0
16F77-32-32C	51	2	-32	50.8	2	32	211	149	56	79	42.0

SAE flange halves see in section Eb in catalogue 4400.
Fittings with standard O-ring seals can be used for temperatures from -40 °C up to +105 °C.
O-rings see in catalogue 4400. Special O-rings are available on request.

* suffix C = Stainless

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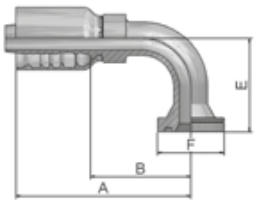
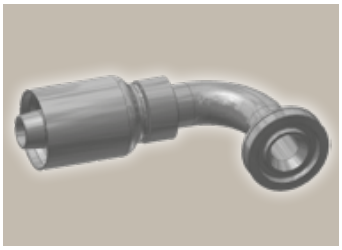
6N

ISO 6162-2-Flange

90° Elbow
ISO 12151-3 - E-S – SFS 90°
(42.0 MPa/ 6000 psi)





Part Number	Hose I.D.				Flange	Tube O.D.	A	B	E	F	Max WP
	DN	Inch	Size	mm	Inch	mm	mm	mm	mm	mm	MPa
16N77-12-10	16	5/8	-10	15.9	3/4	12	92	53	54	41	42.0
16N77-16-10	16	5/8	-10	15.9	1	16	92	53	54	48	42.0
16N77-12-12	19	3/4	-12	19.1	3/4	12	108.2	62	58	41	42.0
16N77-12-12C	19	3/4	-12	19.1	3/4	12	108	62	58	41	42.0
16N77-16-12	19	3/4	-12	19.1	1	16	108	62	58	48	42.0
16N77-12-16	25	1	-16	25.4	3/4	12	115	61	70	41	42.0
16N77-16-16	25	1	-16	25.4	1	16	120	66	70	48	42.0
16N77-16-16C	25	1	-16	25.4	1	16	120	66	70	48	42.0
16N77-20-16	25	1	-16	25.4	1 1/4	20	135	81	70	54	42.0
16N77-20-16C	25	1	-16	25.4	1 1/4	20	135	81	70	54	42.0
16N77-20-20	31	1 1/4	-20	31.8	1 1/4	20	156	92	90	54	42.0
16N77-20-20C	31	1 1/4	-20	31.8	1 1/4	20	156	92	90	54	42.0
16N77-24-20	31	1 1/4	-20	31.8	1 1/2	24	151	87	90	64	42.0
16N77-24-24	38	1 1/2	-24	38.1	1 1/2	24	180	113	104	64	42.0
16N77-24-24C	38	1 1/2	-24	38.1	1 1/2	24	180	113	104	64	42.0
16N77-32-24	38	1 1/2	-24	38.1	2	32	175	108	104	79	42.0
16N77-32-24C	38	1 1/2	-24	38.1	2	32	180	108	138	79	42.0
16N77-32-32	51	2	-32	50.8	2	32	223	145	138	79	42.0
16N77-32-32C	51	2	-32	50.8	2	32	223	145	138	79	42.0

SAE flange halves see in section Eb in catalogue 4400.
Fittings with standard O-ring seals can be used for temperatures from -40 °C up to +105 °C.
O-rings see in catalogue 4400. Special O-rings are available on request.

* suffix C = Stainless

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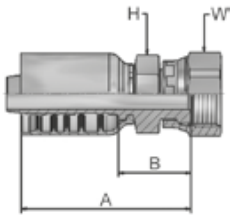
JC

Female ORFS

Swivel - Straight

Short
ISO 12151-1 – SWSA
SAE J516 – ORFS





***New 3S-Fitting-Design**

Part Number	Hose I.D.				Thread	Tube O.D.	A	B	H	W	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	mm	MPa
1JC77-8-8*	12	1/2	-8	12.7	13/16x16	8	60	25	22	24	63.5
1JC77-10-10*	16	5/8	-10	15.9	1x14	10	70	31	24	30	41.0
1JC77-12-10*	16	5/8	-10	15.9	1 3/16x16	12	69	30	24	36	41.0
1JC77-12-12*	19	3/4	-12	19.1	1 3/16x12	12	79	35	30	36	41.0
1JC77-12-12C*	19	3/4	-12	19.1	1 3/16x12	12	78.5	35	30	36	41.0
1JC77-16-12*	19	3/4	-12	19.1	1 7/16x12	16	85	41	30	41	41.0
1JC77-16-16*	25	1	-16	25.4	1 7/16x12	16	91	37.1	36	41	41.0
1JC77-20-16*	25	1	-16	25.4	1 11/16x12	20	90	36	36	50	28.0
1JC77-20-16C*	25	1	-16	25.4	1 11/16x12	20	90	36	36	50	28.0
1JC77-20-20	31	1 1/4	-20	31.8	1 11/16x12	20	107	44	46	50	28.0

* suffix C = Stainless

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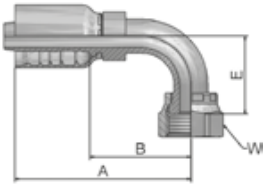
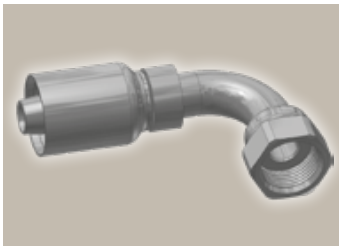
J9

Female ORFS - Swivel

90° Elbow - Short Drop

ISO 12151-1 - SWES
SAE J516 – ORFS 90°





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	E	W	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	mm	MPa
1J977-8-8	12	1/2	-8	12.7	13/16x16	8	70.65	36	29	24	63.5
1J977-10-10	16	5/8	-10	15.9	1x14	10	97	50	32	30	41.0
1J977-12-10	16	5/8	-10	15.9	1 3/16x12	12	89	50	48	36	41.0
1J977-12-12	19	3/4	-12	19.1	1 3/16x12	12	108	62	48	36	41.0
1J977-12-12C	19	3/4	-12	19.1	1 3/16x12	12	108	62	48	36	41.0
1J977-16-16	25	1	-16	25.4	1 7/16x12	16	120	66	56	41	41.0
1J977-16-16C	25	1	-16	25.4	1 7/16x12	16	120	66	56	41	41.0
1J977-20-20	31	1 1/4	-20	31.8	1 11/16x12	20	146	87	64	50	28.0
1J977-24-24-SL82	38	1 1/2	-24	38.1	2x12	24	175	108	81.5	60	28.0

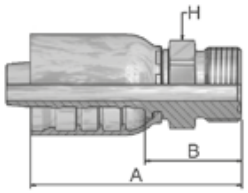
The combination of high temperature and high pressure could reduce the hose life.

* suffix C = Stainless

JM

ORFS Male

ISO 12151-1-S – SAE J516





Part Number	Hose I.D.				Thread	Tube O.D.	A	B	H	Max WP
	DN	Inch	Size	mm	UNF	mm	mm	mm	mm	MPa
1JM77-10-10	16	5/8	-10	15.9	1x14	10	76	37	27	41.0
1JM77-12-12	19	3/4	-12	19.1	1 3/16x12	12	89	43	32	41.0
1JM77-16-12	19	3/4	-12	19.1	1 7/16x12	16	93	47	41	41.0
1JM77-16-12C	19	3/4	-12	19.1	1 7/16x12	16	93	47	41	41.0
1JM77-16-16	25	1	-16	25.4	1 7/16x12	16	96	49	41	41.0
1JM77-20-16C	25	1	-16	25.4	1 11/16x12	20	93	51	46	28.0

JM fittings are supplied without O-ring.
Find O-rings in catalogue 4400. Special O-rings are available on request.

The combination of high temperature and high pressure could reduce the hose life.

* suffix C = Stainless

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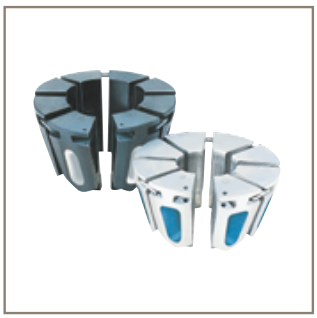





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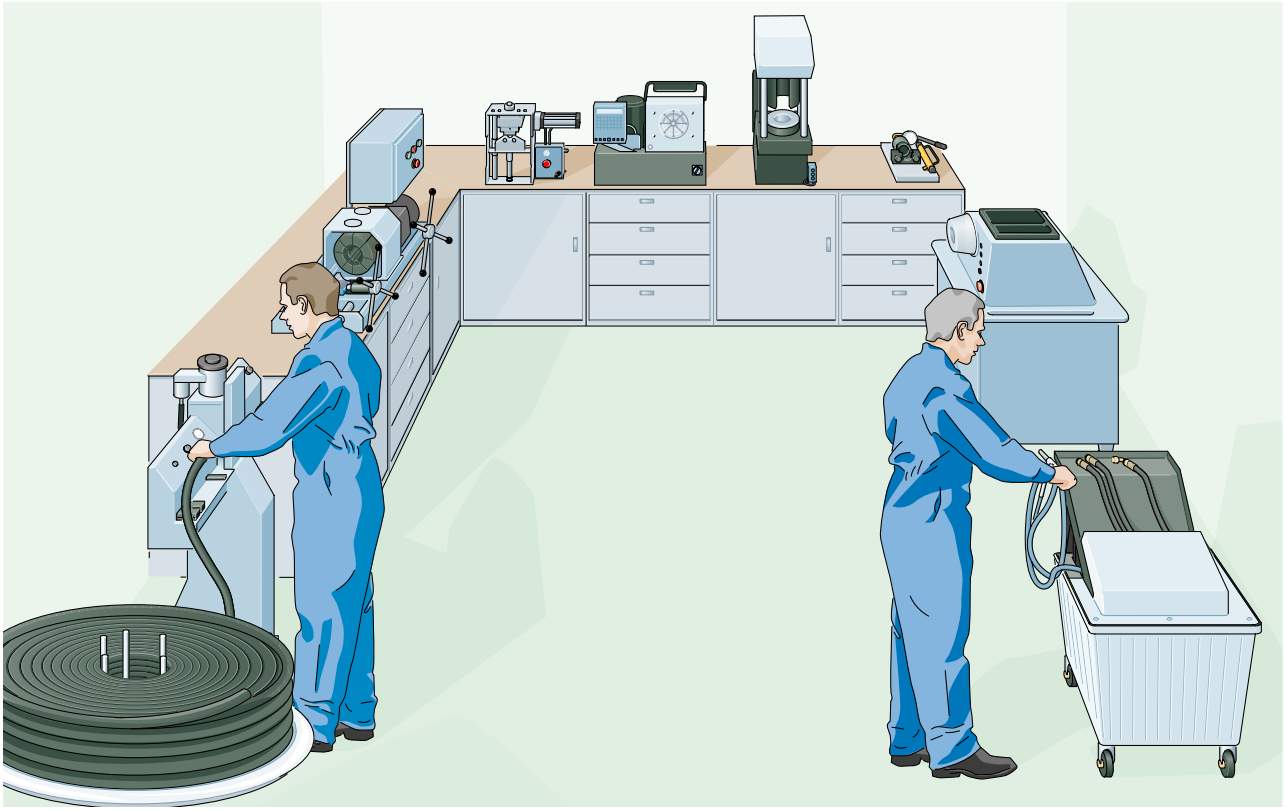

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The product offer from Parker Polymer Hose Division Europe also includes a complete range of equipment for hose assembly workshops, as well as all kinds of hose protections, safety systems and accessories for hose mounting.























For detailed information, please refer to CAT4400/ Machines,Tooling, Accessories:

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www.parker.com

European Headquarters
La Tuilière 6, 1163 Etoy,
Switzerland
Tel: +41 21 821 85 00

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Distribution Catalogue CAT/ 4402/ UK 2024-01