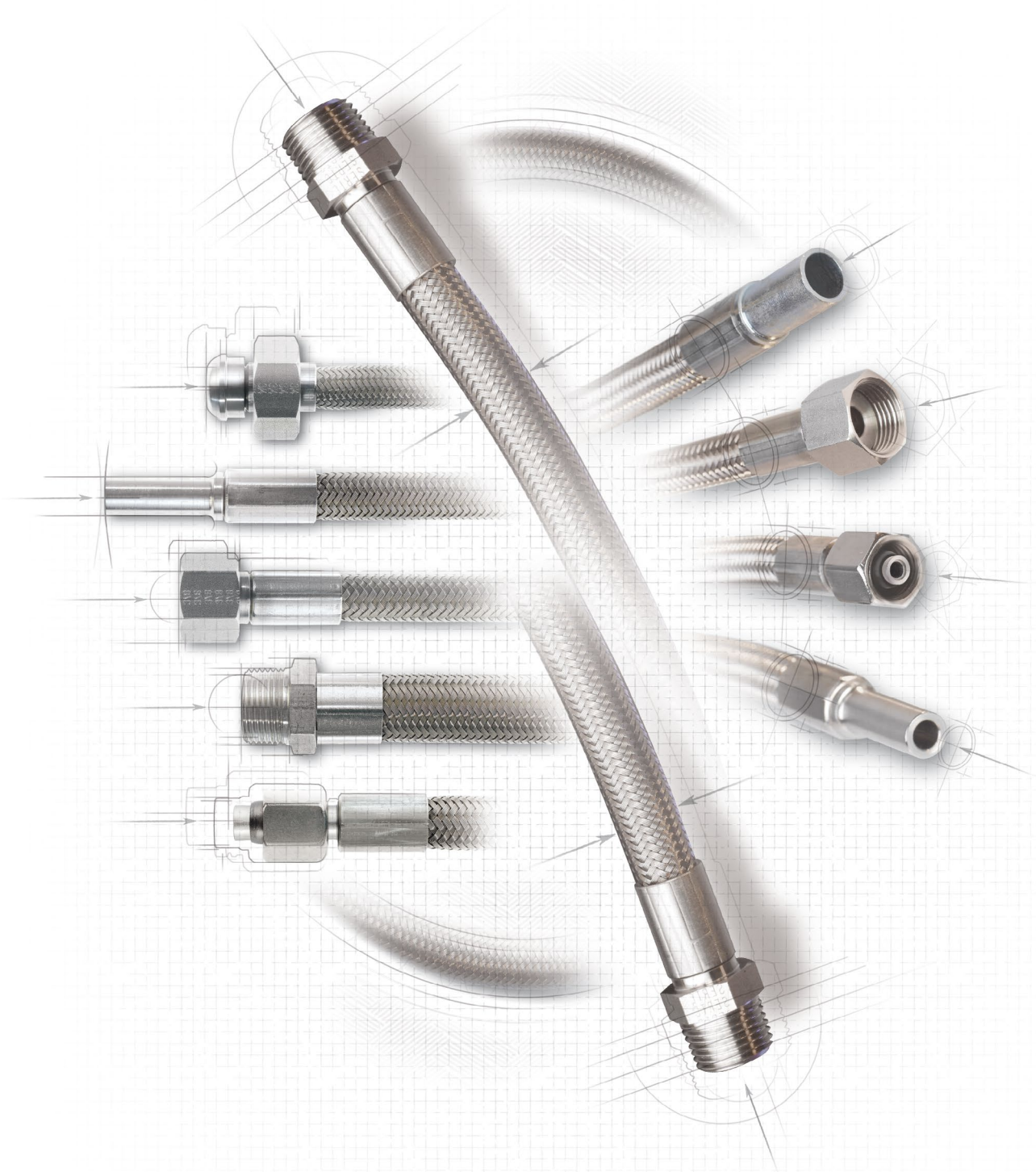


EXMAR



Jacoflon

PTFE hoses with stainless steel braid

Jacoflon PTFE hoses with stainless steel braid

With **Jacoflon**, EXMAR offers a product that satisfies the most demanding specifications in terms of resistance, flexibility and reliability. **Jacoflon** is a flexible PTFE hose with a stainless steel braid – ideal for sophisticated applications.

PTFE and stainless steel braid

The greatest advantage of PTFE is its excellent resistance to most chemicals, detergents and solvents, as well as steam and compressed air. Jacoflon combines the benefits of PTFE and stainless steel braid to provide you with versatility, high operational safety, long service life and increased pressure resistance.

Product range

The hoses are available in 5 different qualities with different types of fittings made of stainless steel 1.4571. EXMAR produces according to customer specifications – just-in-time.

Application areas

Plant and equipment construction, air-conditioning equipment, food and beverage industry, laboratory and medical technology, water technology, aerospace industry, automotive industry

Features

- excellent resistance to nearly all chemicals, detergents and solvents
- UV and weather-proof, resistant to ageing
- high temperature resistance, non-flammable
- extremely low internal friction coefficient and therefore very low flow resistance
- absolutely non-toxic

Arguments in favour of Jacoflon

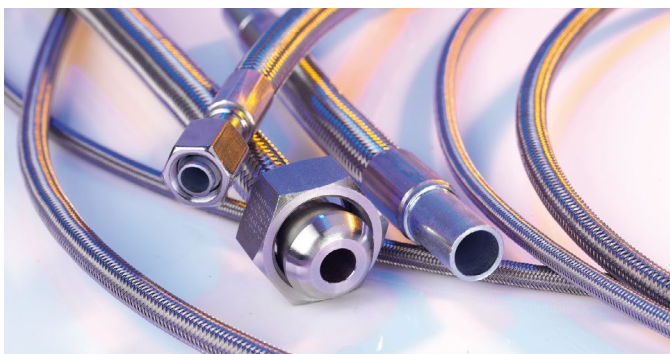
- high operational reliability
- long service life
- high abrasion resistance
- high strength under alternating flexural stress

Arguments in favour of EXMAR

- outstanding quality products
- cost savings, all from one source
- customer-specific solutions
- reliable delivery service, prompt delivery, high delivery quality

Specifications

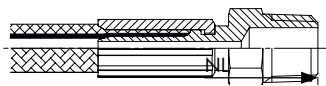
- material:
 - inner hose: PTFE
 - wire braid: stainless steel 1.4301
 - fittings: stainless steel 1.4571
- temperature range: -60°C to +250°C



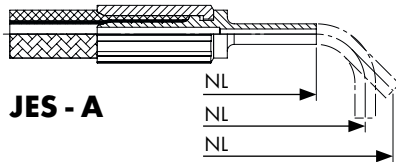
Technical data Jacoflon

Due to its flexibility and the excellent corrosion and pressure resistance the Jacoflon PTFE hose is ideally suited for special applications. The hoses with stainless steel fittings 1.4571 are available in different lengths and designs according to customer specifications.

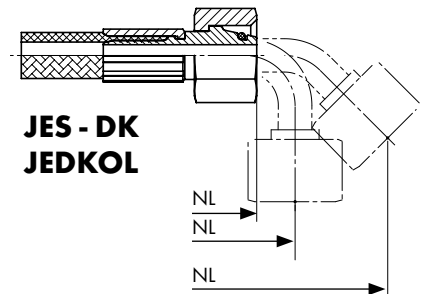
Connection options



JES - R

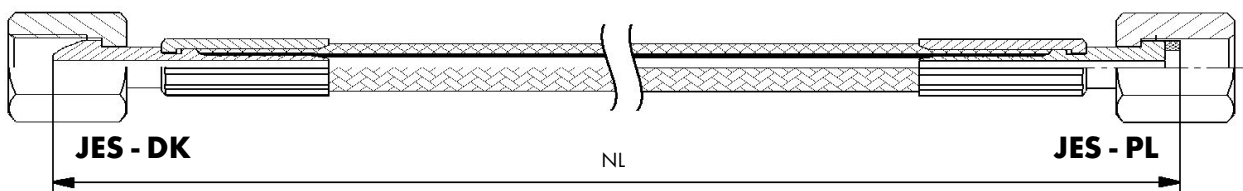


JES - A



**JES - DK
JEDKOL**

NL = Nennlänge des Schlauches gemäss Massbild
 NL = Nominal length of tube as per drawing
 NL = 根据尺寸图的软管标称长度



Bestellbeispiel	Ordering example	称长度
	1 SQ 1/4 - R 1/4 - 08L x 450	
Schlauchtyp Tube type 软管型号	1. Anschluss 1. Fitting 1. 连接件称长度	2. Anschluss 2. Fitting 2. 连接件
		Schlauchnennlänge mm Nominal length of tube mm 软管标称长度 (mm)

Spezifikationen	Specifications	规格
Werkstoff: Innenschlauch PTFE, Drahtgeflecht 1.4301 Temperaturbereich: -60°C bis +250°C	Material: internal hose PTFE, wire braid 1.4301 Temperature range: -60°C to +250°C	材料: PTFE 内管, 钢丝编织层 1.4301 温度范围: -60°C 至 +250°C

Schlauch-Längentoleranz in mm	Tolerances for tube length mm	软管长度公差 (单位: mm)
mm		
0	500	1'000
+5 / -3 mm	+10 / -5 mm	+20 / -10 mm
		+70 / -15 mm
		+80 / -20 mm
		+100 / -30 mm
		+150 / -40 mm

Druckauswertungsgrad in % des PN	Pressure coefficient % of PN	压力系数 (PN 的百分比)
°C		
-100°	-60°	0°
		23°
		60°
		100°
		125°
		150°
		175°
		200°
		250°
		300°
		100 %
		75 %
		50 %
		40 %
		30 %
		25 %
		20 %
		10 %

Jacoflon Automobilqualität AQ

Jacoflon Automobile quality AQ

Jacoflon 汽车质量 AQ

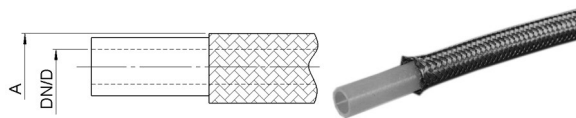
JF PTFE 1 AQ

Type -DN	Mat.-Nr.	bar	D	A	B.Radius	L	kg/m
PTFE-1 AQ-1/8	490.3000.100	321	3.4	6.2	38	160.0	0.070
PTFE-1 AQ-3/16	490.3000.200	276	4.9	7.8	64	160.0	0.080

Automobile Qualität mit dickwandigem PTFE-Rohr und einfachem Drahtgeflecht (Inox 1.4301) für erhöhte Druckfestigkeit.

Automotive quality with thick-walled PTFE tube and single braid (inox 1.4301) for increased pressure resistance.

车用级质量, 采用厚壁 PTFE 管和单层钢丝编织加强层 (Inox 1.4301), 以提高耐压性。



Jacoflon Gasqualität GQ

Jacoflon Gas quality GQ

Jacoflon 气体质量 GQ

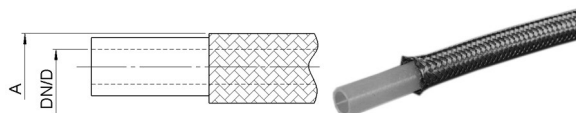
JF PTFE 1 GQ

Type -DN	Mat.-Nr.	bar	D	A	B.Radius	L	kg/m
PTFE-1 GQ-1/8	490.4000.100	233	3.5	6.4	38	180.0	0.090

Gasqualität GQ mit molekularverdichtetem PTFE-Rohr und einfachem Drahtgeflecht (Inox 1.4301) - vermindert die Permeabilität für Produkte mit sehr feiner Molekularstruktur.

Gas quality GQ with molecular compressed PTFE tube and single braid (inox 1.4301) - reduces the permeability for products with very small molecular structure.

气体级质量 GQ, 采用高分子 PTFE 管和单层钢丝编织加强层 (Inox 1.4301), 减少小分子产品的渗透。



Jacoflon Hochflexible Qualität HQ

Jacoflon High flexible quality HQ

Jacoflon 高柔性质量 HQ

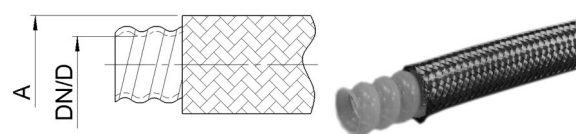
JF PTFE 1 HQ

Type -DN	Mat.-Nr.	bar	D	A	B.Radius	L	kg/m
PTFE-1 HQ-3/8 GFL	490.9001.500	138	9.5	14.8	20	210.0	0.250
PTFE-1 HQ-1/2 GFL	490.9001.600	103	12.8	18.8	25	240.0	0.300
PTFE-1 HQ-3/4 GFL	490.9001.800	69	19.1	24.7	64	250.0	0.400
PTFE-1 HQ-1 GFL	490.9001.900	46	25.4	32.8	89	280.0	0.550

Hochflexible Qualität HQ, Wellenschlauch mit einfachem Drahtgeflecht (Inox 1.4301).

High flexible quality HQ, corrugated hose with single wire jacket (inox 1.4301).

高柔性质量 HQ, 带单层编织网的金属波纹管 (不锈钢 1.4301).



L=Mindestlänge konfektioniert
bar=Arbeitsdruck bei 23 °C
DN/D=Rohrinnendurchmesser
A=Rohraussendurchmesser
B.Radius=min. Biegeradius

L=min. length assembled
bar=operation pressure 23 °C
DN/D=tube inside diameter
A=tube outside diameter
B.Radius=min. bend radius

L = 预加工最小长度
bar = 23 °C 时的工作压力
DN/D = 管道内径
A = 管道外径
B. 半径 = 最小弯曲半径

Jacoflon Standardqualität SQ

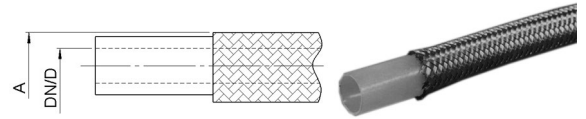
mit einfachem Drahtgeflecht

Jacoflon Standard quality SQ

with single braid

Jacoflon 标准质量 SQ

带单层编织网

JF PTFE 1 SQ

Type -DN	Mat.-Nr.	bar	D	A	B.Radius	L	kg/m
PTFE-1 SQ-1/4	490.1000.300	241	6.2	8.6	76	180.0	0.100
PTFE-1 SQ-3/8	490.1000.500	219	8.9	11.7	127	190.0	0.150
PTFE-1 SQ-1/2	490.1000.600	161	12.3	15.4	140	215.0	0.210

Standardqualität SQ mit einfachem Drahtgeflecht (Inox 1.4301).

Standard quality SQ with single braid (inox 1.4301).

标准级质量 SQ, 带单层钢丝编织加强层 (Inox 1.4301)

Jacoflon Standardqualität SQ

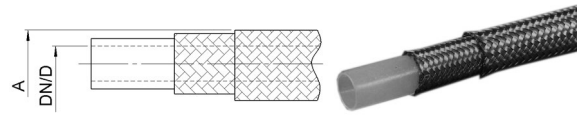
mit zweifachem Drahtgeflecht

Jacoflon Standard quality SQ

with double braid

Jacoflon 标准质量 SQ

带双层编织网

JF PTFE 2 SQ

Type -DN	Mat.-Nr.	bar	D	A	B.Radius	L	kg/m
PTFE-2 SQ-3/16	490.2000.200	299	4.9	8.9	64	160.0	0.120
PTFE-2 SQ-1/4	490.2000.300	276	6.2	9.8	76	180.0	0.160
PTFE-2 SQ-3/8	490.2000.500	252	8.9	13.0	127	190.0	0.260
PTFE-2 SQ-1/2	490.2000.600	183	12.4	16.9	140	215.0	0.350
PTFE-2 SQ-5/8	490.2000.700	172	15.2	19.7	165	210.0	0.500
PTFE-2 SQ-3/4	490.2000.800	149	18.9	23.6	203	230.0	0.670
PTFE-2 SQ-1	490.2000.900	92	25.4	31.0	305	230.0	0.860

Standardqualität SQ mit zweifachem Drahtgeflecht (Inox 1.4301) für erhöhte Druck- und Biegefestigkeit.

Standard quality SQ with double wire jacket (inox 1.4301) for increased pressure and flexural strength.

标准级质量 SQ, 带双层钢丝编织加强层 (Inox 1.4301), 以提高耐压性和抗弯折强度。

L=Mindestlänge konfektioniert
 bar=Arbeitsdruck bei 23 °C
 DN/D=Rohrinnendurchmesser
 A=Rohraussendurchmesser
 B.Radius=min. Biegeradius

L=min. length assembled
 bar=operation pressure 23 °C
 DN/D=tube inside diameter
 A=tube outside diameter
 B.Radius=min. bend radius

L = 预加工最小长度
 bar = 23 °C 时的工作压力
 DN/D = 管道内径
 A = 管道外径
 B. 半径 = 最小弯曲半径

Rohrstutzen

für Schneidring- und Klemmringverschraubungen

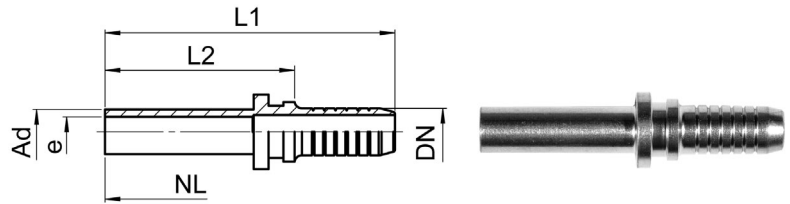
Cylindrical stub

for cutting ring and clamping ring fittings

管接套

用于连接卡套和夹紧环接头

JES-A



Type -DN -Ad	Mat.-Nr.	L1	L2	e	kg/100	1 AQ	1 GQ	1 HQ	1 SQ	2 SQ
JESTR 1/8 -A3	495.1105.105	32.0	18.5	1.5	0.770	✓	✓			
JESTR 1/8 -A6	495.1105.115	37.0	23.5	2.0	0.930	✓	✓			
JESTR 3/16 -A6	495.1105.215	39.0	25.5	3.0	1.010	✓				
JESTR 1/4 -A6	495.1105.315	39.0	25.5	4.0	1.110				✓	✓
JESTR 1/4 -A8	495.1105.319	41.0	27.5	4.5	1.270				✓	✓
JESTR 3/8 -A10	495.1105.522	46.0	29.5	7.0	1.840				✓	✓
JESTR 3/8 -A12	495.1105.525	47.0	30.5	7.0	2.380				✓	✓
JESTR 1/2 -A12	495.1105.625	50.0	30.5	9.0	3.110				✓	✓
JESTR 1/2 -A15	495.1105.635	50.0	30.5	9.5	3.630				✓	✓
JESTR 5/8 -A18	495.1105.750	58.0	35.5	12.0	6.010					✓
JESTR 3/4 -A22	495.2105.854	58.0	35.5	15.0	7.180					✓
JESTR 1 -A28	495.2105.961	74.0	51.5	21.0	14.320					✓
JESTR 3/8 -A10 HQ	495.8105.522	63.5	30.5	7.0	1.900			✓		
JESTR 3/8 -A12 HQ	495.8105.525	64.5	31.5	7.0	2.200			✓		
JESTR 1/2 -A15 HQ	495.8105.635	73.5	35.5	9.5	3.700			✓		
JESTR 3/4 -A22 HQ	495.8105.854	81.5	38.5	15.0	6.600			✓		
JESTR 1 -A28 HQ	495.8105.961	100.0	53.5	20.0	15.900			✓		

Rohrstutzen 45°

für Schneidring- und Klemmringverschraubungen

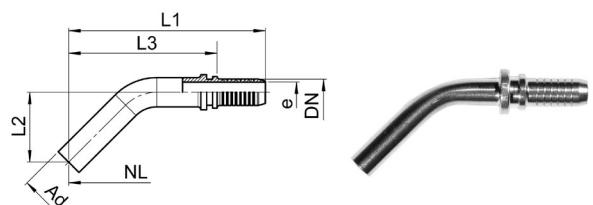
Cylindrical stub 45°

for cutting ring and clamping ring fittings

管接套 45°

用于连接卡套和夹紧环接头

JES-A 45°



Type -DN -Ad	Mat.-Nr.	L1	L2	L3	e	kg/100	1 AQ	1 GQ	1 HQ	1 SQ	2 SQ
JESTR 1/8 -A6 45°	495.1145.115	48.5	16.0	35.0	2.0	0.600	✓	✓			
JESTR 3/16 -A6 45°	495.1145.215	48.5	16.0	35.0	2.8	0.720	✓				✓
JESTR 1/4 -A6 45°	495.1145.315	48.5	16.0	35.0	4.0	0.800				✓	✓
JESTR 1/4 -A8 45°	495.1145.319	58.0	20.0	45.0	4.5	1.480				✓	✓
JESTR 3/8 -A10 45°	495.1145.522	67.0	25.0	50.5	7.0	2.260				✓	✓
JESTR 3/8 -A12 45°	495.1145.525	76.0	29.0	59.5	7.0	3.080				✓	✓
JESTR 1/2 -A12 45°	495.1145.625	78.5	30.0	59.0	9.5	3.250				✓	✓
JESTR 1/2 -A15 45°	495.1145.635	97.0	40.0	77.0	9.5	5.540				✓	✓

NL=Nennlänge des Schlauches gemäss Massbild
DN/D=Rohrinnendurchmesser
✓=Kombinationsmöglichkeit Armatur / Schlauch

NL=nominal length of tube as per drawing
DN/D=tube inside diameter
✓=possible combinations fitting / hose

NL = 根据尺寸图的软管标称长度
DN/D = 管道内径
☐= 配件/软管的组合选项

Rohrstutzen 90°

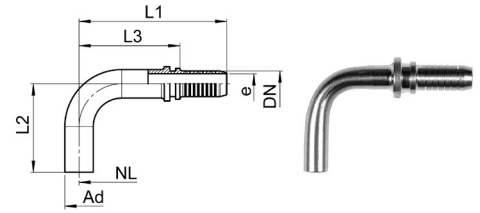
für Schneidring- und Klemmringverschraubungen

Cylindrical stub 90°

for cutting ring and clamping ring fittings

管接头 90°

用于连接卡套和夹紧环接头



JES-A 90°

Type -DN -Ad	Mat.-Nr.	L1	L2	L3	e	kg/100	1 AQ	1 GQ	1 HQ	1 SQ	2 SQ
JESTR 1/8 -A6 90°	495.1195.115	37.0	22.0	23.5	2.0	0.600	✓	✓			
JESTR 3/16 -A6 90°	495.1195.215	37.0	22.0	23.5	2.8	0.720	✓				✓
JESTR 1/4 -A6 90°	495.1195.315	37.0	22.0	23.5	4.5	0.800				✓	✓
JESTR 1/4 -A8 90°	495.1195.319	44.0	29.0	30.5	4.5	1.480				✓	✓
JESTR 3/8 -A10 90°	495.1195.522	49.0	36.0	32.5	7.0	2.260				✓	✓
JESTR 3/8 -A12 90°	495.1195.525	57.0	39.0	40.5	7.0	3.080				✓	✓
JESTR 1/2 -A12 90°	495.1195.625	60.0	39.0	41.0	9.5	3.250				✓	✓
JESTR 1/2 -A15 90°	495.1195.635	69.5	62.0	50.0	9.5	5.540				✓	✓

Stutzen

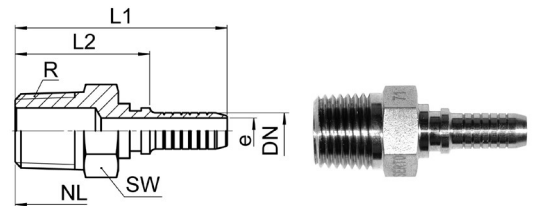
mit konischem Anschlussgewinde

Connector

with conical male adaptor

接套

带锥形连接螺纹



JES-R

Type -DN -R	Mat.-Nr.	SW	L1	L2	e	kg/100	1 AQ	1 GQ	1 HQ	1 SQ	2 SQ
JESTA 1/8 -1/8	495.1605.110	10	32.0	18.5	2.0	1.260	✓	✓			
JESTA 3/16 -1/8	495.1605.210	10	32.0	18.5	3.0	1.310	✓				✓
JESTA 3/16 -1/4	495.1605.217	14	37.0	23.5	3.0	1.940	✓				✓
JESTA 1/4 -1/4	495.1605.317	14	37.0	23.5	4.5	2.320				✓	✓
JESTA 3/8 -3/8	495.1605.520	17	42.0	25.5	7.0	3.760				✓	✓
JESTA 1/2 -1/2	495.1605.630	22	48.0	28.5	9.5	6.570				✓	✓
JESTA 5/8 -3/4	495.1605.750	27	54.0	31.5	12.0	10.380					✓
JESTA 3/4 -3/4	495.2605.850	27	55.0	32.5	15.0	12.980					✓
JESTA 1 -1	495.2605.960	36	61.0	38.5	21.0	22.940					✓
JESTA 3/8 -3/8 HQ	495.8605.520	17	59.5	26.5	7.0	3.500			✓		
JESTA 1/2 -1/2 HQ	495.8605.630	22	69.5	31.5	9.5	6.900			✓		
JESTA 3/4 -3/4 HQ	495.8605.850	27	77.5	34.5	15.0	12.400			✓		
JESTA 1 -1 HQ	495.8605.960	36	87.0	40.5	20.0	25.200			✓		

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NL=nominal length of tube as per drawing
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NL = 根据尺寸图的软管标称长度
 DN/D = 管道内径
 ✓= 配件/软管的组合选项

Rohrstutzen

mit Schneidring Verschraubungen Baureihe L

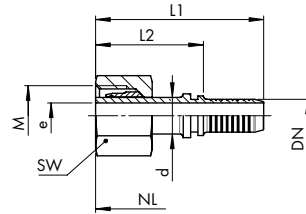
Cylindrical stub

with cutting ring fittings L series

管接套

带卡套式管接头的 L 系列

JES-EX



Type -DN -d -M	Mat.-Nr.	bar	SW	L1	L2	e	kg/100	1AQ	1GQ	1HQ	1SQ	2SQ
JESEX 1/8-6-M12x1.5	497.1715.115	200	14	42.5	29	2	1.9	✓	✓			
JESEX 3/16-6-M12x1.5	497.1715.215	200	14	42.5	29	2.8	2.0	✓				✓
JESEX 1/4-6-M12x1.5	497.1715.315	200	14	42.5	29	4	2.1				✓	✓
JESEX 1/4-8-M14x1.5	497.1715.319	200	17	42.5	29	4.5	2.6				✓	✓
JESEX 3/8-10-M16x1.5	497.1715.522	160	19	46	29.5	7	3.6				✓	✓
JESEX 3/8-12-M18x1.5	497.1715.525	160	22	52	35.5	7	4.8				✓	✓
JESEX 1/2-12-M18x1.5	497.1715.625	160	22	55	35.6	9	5.5				✓	✓
JESEX 1/2-15-M22x1.5	497.1715.635	100	27	51	31.5	9.5	7.4				✓	✓
JESEX 5/8-18-M26x1.5	497.1715.750	100	32	59	36.5	12	11.0					✓
JESEX 3/4-22-M30x2.0	497.2715.854	64	36	61	38.5	15	14.9					✓
JESEX 1-28-M36x2.0	497.2715.961	40	41	78	55.5	21	22.0					✓

Rohrstutzen 45°

mit Schneidring Verschraubungen Baureihe L

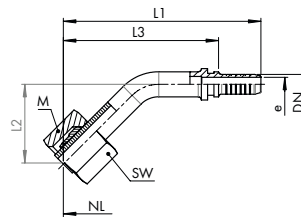
Cylindrical stub 45°

with cutting ring fittings L series

管接套 45°

带卡套式管接头的 L 系列

JES-EX 45°



Type -DN -d -M	Mat.-Nr.	bar	SW	L1	L2	L3	e	kg/100	1AQ	1GQ	1HQ	1SQ	2SQ
JESEX 1/8-6-M12x1.5 45°	497.1725.115	200	14	56	22	42.5	2	2.2	✓	✓			
JESEX 3/16-6-M12x1.5 45°	497.1725.215	200	14	56	22	42.5	2.8	2.3	✓				✓
JESEX 1/4-6-M12x1.5 45°	497.1725.315	200	14	56	22	42.5	4	2.4				✓	✓
JESEX 1/4-8-M14x1.5 45°	497.1725.319	200	17	63	25	49.5	4.5	3.5				✓	✓
JESEX 3/8-10-M16x1.5 45°	497.1725.522	160	19	69	27.5	49.5	7	4.7				✓	✓
JESEX 3/8-12-M18x1.5 45°	497.1725.525	160	22	84	33.5	52.5	7	6.6				✓	✓
JESEX 1/2-12-M18x1.5 45°	497.1725.625	160	22	86	35.5	66.5	9	7.3				✓	✓
JESEX 1/2-15-M22x1.5 45°	497.1725.635	100	27	96	40.5	76.5	9.5	10.5				✓	✓

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☑ = 配件/软管的组合选项

Rohrstutzen 90°

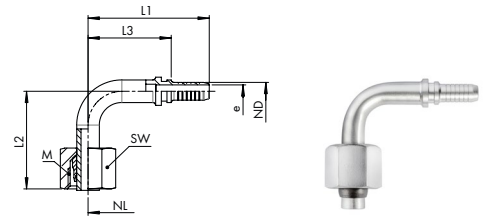
mit Schneidring Verschraubungen Baureihe L

Cylindrical stub 90°

with cutting ring fittings L series

管接套 90°

带卡套式管接头的 L 系列



JES-EX 90°

Type -DN -d -M	Mat.-Nr.	bar	SW	L1	L2	L3	e	kg/100	1 AQ	1 GQ	1 HQ	1 SQ	2 SQ
JESEX 1/8-6-M12x1.5 90°	497.1735.115	200	14	37	31.5	23.5	2	2.2	✓	✓			
JESEX 3/16-6-M12x1.5 90°	497.1735.215	200	14	37	31.5	23.5	2.8	2.3	✓				✓
JESEX 1/4-6-M12x1.5 90°	497.1735.315	200	14	37	31.5	23.5	4	2.4				✓	✓
JESEX 1/4-8-M14x1.5 90°	497.1735.319	200	17	43	35.5	29.5	4.5	3.5				✓	✓
JESEX 3/8-10-M16x1.5 90°	497.1735.522	160	19	48	38.5	31.5	7	4.7				✓	✓
JESEX 3/8-12-M18x1.5 90°	497.1735.525	160	22	58	46.5	41.5	7	6.6				✓	✓
JESEX 1/2-12-M18x1.5 90°	497.1735.625	160	22	61	46.5	36	9	7.3				✓	✓
JESEX 1/2-15-M22x1.5 90°	497.1735.635	100	27	69.5	52.5	50	9.5	10.5				✓	✓

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Stutzen mit Dichtkegel 24° und O-Ring

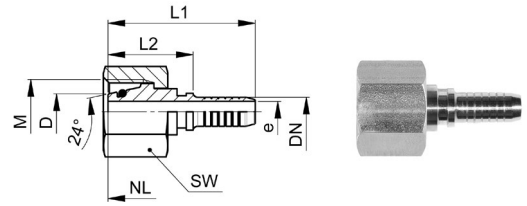
mit Überwurfmutter

Connector with taper 24° and O-ring

with union nut

接头 (带 24° 锥密封和 O 型圈)

带锁紧螺母



JEDKOL

Type-DN-d-M	Mat.-Nr.	D	SW	L1	L2	e	kg/100	1AQ	1GQ	1HQ	1SQ	2SQ
JEDKOL 24°-1/4-08L-M14x1.5	497.1405.319	7.7	17	32.0	18.5	4.5	2.400				✓	✓
* JEDKOL 24°-3/8-10L-M16x1.5	497.1405.522	9.7	19	36.0	19.5	6.0	3.600				✓	✓
JEDKOL 24°-1/2-12L-M18x1.5	497.1405.625	11.7	22	41.5	22.0	9.5	5.100				✓	✓
JEDKOL 24°-1/2-15L-M22x1.5	497.1405.635	14.7	27	39.0	19.5	9.5	6.700				✓	✓

Standard: FKM O-Ring, andere Dichtmaterialien auf Anfrage

Standard: FKM O-ring, other sealing materials on request

标准型: FKM O型圈, 可应要求提供其他密封材料

45° Stutzen mit Dichtkegel 24° und O-Ring

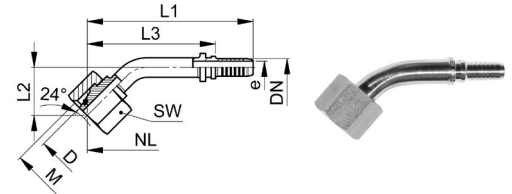
mit Überwurfmutter

45° connector with taper 24° and O-ring

with union nut

45° 接头 (带 24° 密封锥和 O 型圈)

带锁紧螺母



JEDKOL 45°

Type-DN-d-M	Mat.-Nr.	D	SW	L1	L2	L3	e	kg/100	1AQ	1GQ	1HQ	1SQ	2SQ
JEDKOL 24°-1/4-08L-M14x1.5 45°	497.1445.319	7.7	17	59.0	17.3	46.0	4.5	3.000				✓	✓
* JEDKOL 24°-3/8-10L-M16x1.5 45°	497.1445.522	9.7	19	70.0	22.0	55.0	6.0	5.500				✓	✓
JEDKOL 24°-1/2-12L-M18x1.5 45°	497.1445.625	11.8	22	94.5	26.0	75.0	8.0	9.800				✓	✓
JEDKOL 24°-1/2-15L-M22x1.5 45°	497.1445.635	14.8	27	92.0	26.0	72.5	9.0	11.400				✓	✓

Standard: FKM O-Ring, andere Dichtmaterialien auf Anfrage

Standard: FKM O-ring, other sealing materials on request

标准型: FKM O型圈, 可应要求提供其他密封材料

*=mit Drahtmutter

*=with wire nut

*=带接线螺帽

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90° Stutzen mit Dichtkegel 24° und O-Ring

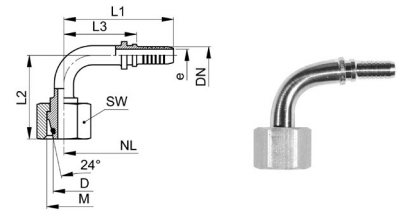
mit Überwurfmutter

90° connector with taper 24° and O-ring

with union nut

90° 接头 (带24°密封锥和O型圈)

带锁紧螺母



JEDKOL 90°

Type -DN -d -M	Mat.-Nr.	D	SW	L1	L2	L3	e	kg/100	1AQ	1GQ	1HQ	1SQ	2SQ
JEDKOL 24° -1/4 -08L -M14x1.5 90°	497.1495.319	7.7	17	40.0	30.5	26.5	4.5	3.000				✓	✓
* JEDKOL 24° -3/8 -10L -M16x1.5 90°	497.1495.522	9.7	19	40.0	38.0	30.0	6.0	5.500				✓	✓
JEDKOL 24° -1/2 -12L -M18x1.5 90°	497.1495.625	11.8	22	64.0	49.5	44.5	8.0	9.800				✓	✓
JEDKOL 24° -1/2 -15L -M22x1.5 90°	497.1495.635	14.8	27	62.0	49.0	42.5	9.0	11.400				✓	✓

Standard: FKM O-Ring, andere Dichtmaterialien auf Anfrage

Standard: FKM O-ring, other sealing materials on request

标准型: FKM O型圈, 可应要求提供其他密封材料

Stutzen mit Universaldichtkegel 60°

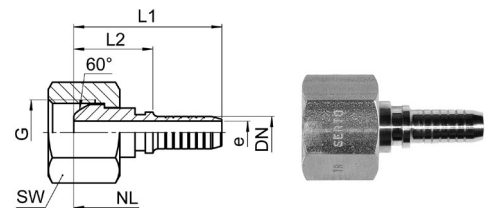
mit Überwurfmutter

Connector with conical sealing nipple 60°

with union nut

接套, 带60°通用密封锥

带锁紧螺母



JES-DK

Type -DN -G	Mat.-Nr.	SW	L1	L2	e	kg/100	1AQ	1GQ	1HQ	1SQ	2SQ
JESDK 60° -1/8 -1/8	497.1355.110	14	28.0	14.5	2.0	2.050	✓	✓			
JESDK 60° -3/16 -1/4	497.1355.217	17	29.0	15.5	3.0	3.010	✓				✓
JESDK 60° -1/4 -1/4	497.1355.317	17	29.0	15.5	4.5	3.030				✓	✓
JESDK 60° -3/8 -3/8	497.1355.520	19	33.0	16.5	7.0	3.780				✓	✓
JESDK 60° -1/2 -1/2	497.1355.630	24	38.0	18.5	9.5	6.720				✓	✓
JESDK 60° -5/8 -3/4	497.1355.750	32	39.0	16.5	12.0	11.970					✓
JESDK 60° -3/4 -3/4	497.2355.850	32	39.0	16.5	15.0	11.710					✓
JESDK 60° -1 -1	497.2355.960	41	40.0	17.5	21.0	21.260					✓
JESDK 60° -3/8 -3/8 HQ	497.8355.520	19	50.5	17.5	7.0	3.600			✓		
JESDK 60° -1/2 -1/2 HQ	497.8355.630	24	58.5	20.5	9.5	6.600			✓		
JESDK 60° -3/4 -3/4 HQ	497.8355.850	32	61.0	18.0	15.0	11.100			✓		
JESDK 60° -1 -1 HQ	497.8355.960	41	66.0	19.5	20.0	22.800			✓		

*=mit Drahtmutter

*=with wire nut

*=带接线螺帽

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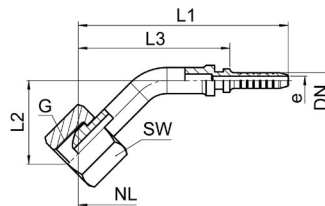
45° Stutzen mit Universaldichtkegel 60°

mit Überwurfmutter

45° connector with conical sealing nipple 60°

with union nut

45° 接套, 带 60° 通用密封锥
带锁紧螺母



JES-DK 45°

Type -DN -G	Mat.-Nr.	SW	L1	L2	L3	e	kg/100	1AQ	1GQ	1HQ	1SQ	2SQ
JESDK 60° -1/8 -1/8 45°	497.1345.110	14	48.5	19.5	35.0	2.0	1.900	✓	✓			
JESDK 60° -1/4 -1/4 45°	497.1345.317	17	54.5	23.5	41.0	4.0	3.350				✓	✓
JESDK 60° -3/8 -3/8 45°	497.1345.520	19	69.5	23.5	53.0	7.0	4.400				✓	✓
JESDK 60° -1/2 -1/2 45°	497.1345.630	24	92.0	31.0	72.5	9.0	10.300				✓	✓

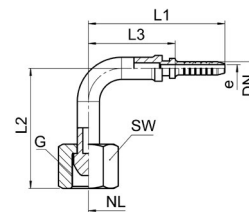
90° Stutzen mit Universaldichtkegel 60°

mit Überwurfmutter

90° connector with conical sealing nipple 60°

with union nut

90° 接套, 带 60° 通用密封锥
带锁紧螺母



JES-DK 90°

Type -DN -G	Mat.-Nr.	SW	L1	L2	L3	e	kg/100	1AQ	1GQ	1HQ	1SQ	2SQ
JESDK 60° -1/8 -1/8 90°	497.1395.110	14	33.0	30.5	19.5	2.0	1.900	✓	✓			
JESDK 60° -1/4 -1/4 90°	497.1395.317	17	38.5	35.0	25.0	4.0	3.350				✓	✓
JESDK 60° -3/8 -3/8 90°	497.1395.520	19	50.5	46.5	34.0	7.0	4.400				✓	✓
JESDK 60° -1/2 -1/2 90°	497.1395.630	24	66.0	49.0	46.5	9.0	10.300				✓	✓

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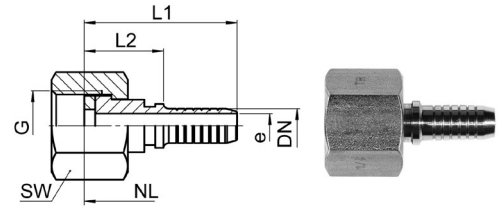
Stutzen mit Planfläche mit PTFE-Dichtring

mit Überwurfmutter

Connector with flat face end with PTFE gasket

with union nut

接套，带平面，带 PTFE 密封圈
带锁紧螺母



JES-PL

Type-DN-G	Mat.-Nr.	SW	L1	L2	e	kg/100	1AQ	1GQ	1HQ	1SQ	2SQ
JESPL -1/8 -1/8	497.1365.110	14	26.5	13.0	2.0	1.980	✓	✓			
JESPL -3/16 -1/4	497.1365.217	17	28.0	14.5	3.0	2.910	✓				✓
JESPL -1/4 -1/4	497.1365.317	17	28.0	14.5	4.5	2.940				✓	✓
JESPL -3/8 -3/8	497.1365.520	19	31.0	14.5	7.0	3.590				✓	✓
JESPL -1/2 -1/2	497.1365.630	24	34.0	14.5	9.5	6.240				✓	✓
JESPL -5/8 -3/4	497.1365.750	32	36.0	13.5	12.0	11.110					✓
JESPL -3/4 -3/4	497.2365.850	32	37.0	14.5	15.0	11.320					✓
JESPL -1 -1	497.2365.960	41	38.0	15.5	21.0	20.620					✓
JESPL -1/2 -1/2 WELL	497.9365.630	24	48.0	17.0	10.0	9.060			✓		
JESPL -3/4 -3/4 WELL	497.9365.850	32	56.0	17.0	16.0	17.000			✓		
JESPL -1 -1 WELL	497.9365.960	41	64.0	17.5	20.0	30.270			✓		✓

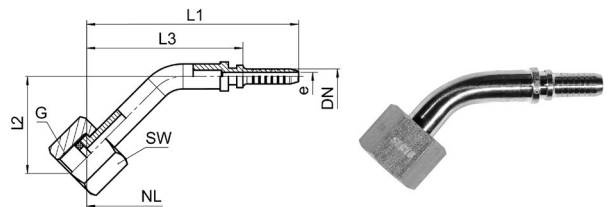
45° Stutzen mit Planfläche mit PTFE-Dichtring

mit Überwurfmutter

45° connector with flat face end with PTFE gasket

with union nut

45° 接套，带平面，带 PTFE 密封圈
带锁紧螺母



JES-PL 45°

Type-DN-G	Mat.-Nr.	SW	L1	L2	L3	e	kg/100	1AQ	1GQ	1HQ	1SQ	2SQ
JESPL -1/8 -1/8 45°	497.1340.110	14	53.0	20.0	40.0	2.0	1.950	✓	✓			
JESPL -1/4 -1/4 45°	497.1340.317	17	54.5	23.0	41.0	4.0	3.250				✓	✓
JESPL -3/8 -3/8 45°	497.1340.520	19	68.0	25.0	52.0	7.0	4.100				✓	✓
JESPL -1/2 -1/2 45°	497.1340.630	24	90.0	31.5	70.5	9.0	6.800				✓	✓

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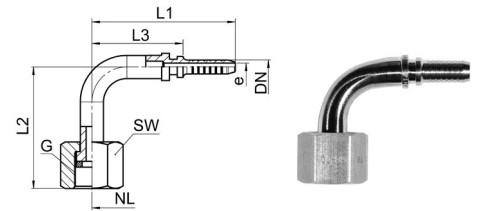
90° Stutzen mit Planfläche mit PTFE-Dichtring

mit Überwurfmutter

90° connector with flat face end with PTFE gasket

with union nut

90° 接套，带平面，带 PTFE 密封圈
带锁紧螺母



JES-PL 90°

Type -DN -G	Mat.-Nr.	SW	L1	L2	L3	e	kg/100	1AQ	1GQ	1HQ	1SQ	2SQ
JESPL -1/8 -1/8 90°	497.1390.110	14	42.0	28.5	28.5	2.0	1.950	✓	✓			
JESPL -1/4 -1/4 90°	497.1390.317	17	38.5	34.0	25.0	4.0	3.250				✓	✓
JESPL -3/8 -3/8 90°	497.1390.520	19	50.5	34.5	34.0	7.0	4.100				✓	✓
JESPL -1/2 -1/2 90°	497.1390.630	24	67.0	46.5	47.5	9.0	6.800				✓	✓

Dichtscheibe PTFE

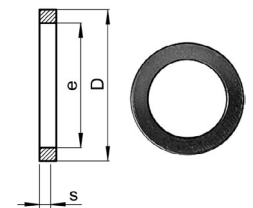
für Planfläche

PTFE gasket

for flat face end

PTFE 密封片

用于平面



J-PTFE-SCHEIBE

Type	Mat.-Nr.	D	e	s	kg/100
J-PTFE-Scheibe: 1/8 8/5x1,5	496.1808.110	8.0	5.0	1.50	0.100
J-PTFE-Scheibe: 1/4 1 1/6x2	496.1808.317	11.0	6.0	2.00	0.100
J-PTFE-Scheibe: M14x1,5 12/7x2	496.1808.319	12.0	7.0	2.00	0.100
J-PTFE-Scheibe: 3/8 14/9x2	496.1808.520	14.0	9.0	2.00	0.100
J-PTFE-Scheibe: 1/2 16/10x2	496.1808.525	16.0	10.0	2.00	0.100
J-PTFE-Scheibe: 3/4 18/12x2	496.1808.630	18.0	12.0	2.00	0.100
J-PTFE-Scheibe: M22x1,5	496.1808.632	19.5	12.0	2.00	0.100
J-PTFE-Scheibe: 3/4 24/18x2	496.2808.850	24.0	18.0	2.00	0.100
J-PTFE-Scheibe: 1 30/20x2	496.2808.960	30.0	20.0	2.00	0.100

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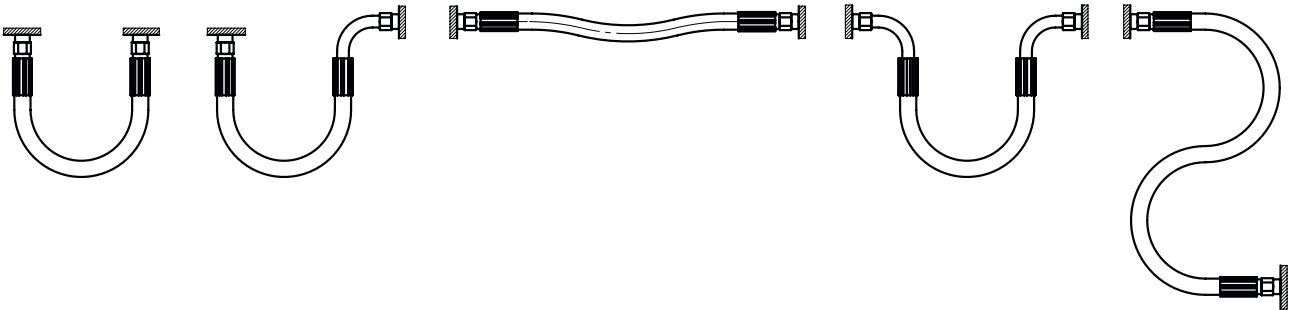
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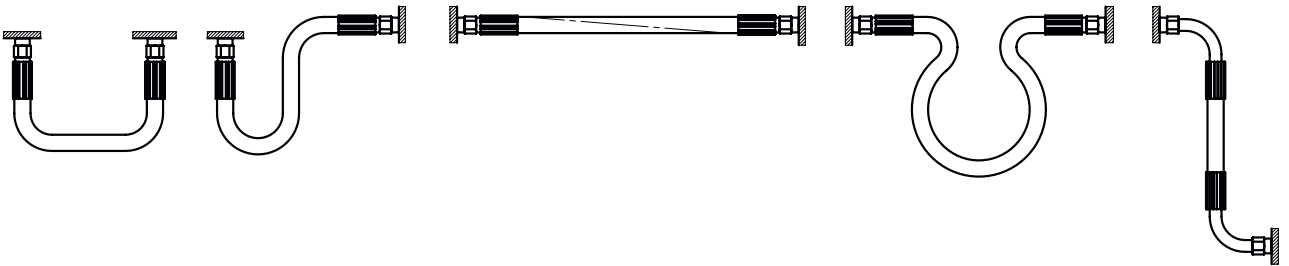
Installation guidelines Jacoflon

Hose lines must be arranged so that they are easy to install and check; chafing on other components must be avoided. It is essential that the stated minimum bending radii are complied with. In case of frequent movement the size of the hose should be increased by up to 50 % in order to improve the lifespan of the hose. Each hose line must be installed so that it sags, taking into consideration any changes in length of the hose line under pressure. Torsional strain on the hose must be avoided during installation and in operation. Otherwise, axial swivel joints should be used. Ensure that the hoses are long enough, so that the hose line does not kink due to the movement of machine components.

Correct installation



Incorrect installation



General information

Permeability of Jacoflon hoses

Permeability is the molecular transport of a gaseous medium through a physical, solid body by:

1. adsorption and absorption on the high concentration side,
2. diffusion through the solid material, e.g. hose material (PTFE core),
3. desorption from the low concentration side.

This very complex problem in combination with plastics is further negatively influenced by:

- the condition as delivered,
- the physical properties of the plastic,
- the chemical compositions of the medium and of the plastic used.
- High flexible quality HQ

Maximum flexibility is achieved by the extremely thin PTFE core. However, the thin core leads to a higher permeability and is therefore not ideal for gas applications.

Permeation concentration

The concentration difference between the medium and the surroundings is the driving force of permeation and not necessarily the nominal pressure of the medium in the hose.

The permeability of the hose increases exponentially with increasing temperature.

Jacoflon in vacuum applications

The smaller the inner diameter of the hose, the more suitable it is for use in vacuum applications. It is clear that we speak of rough vacuum to high vacuum. The vacuum is limited by the permeability of the hose and the collapse of the PTFE core.

Static applications

Given by the permeability, applications with gaseous media are recommended only if continuous supply and pressurisation are assured.

Example: A fire extinguisher line filled with CO₂ at 60 bar will, over time, lose pressure and eventually become completely depressurised.

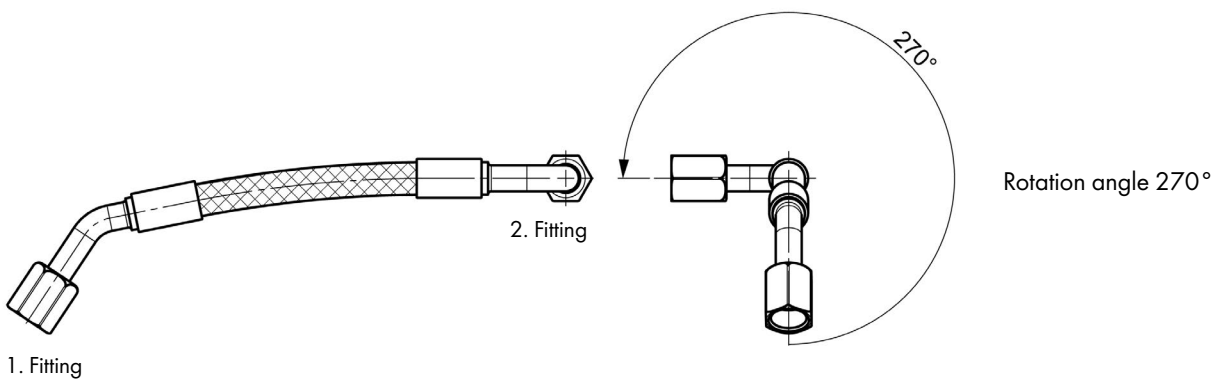
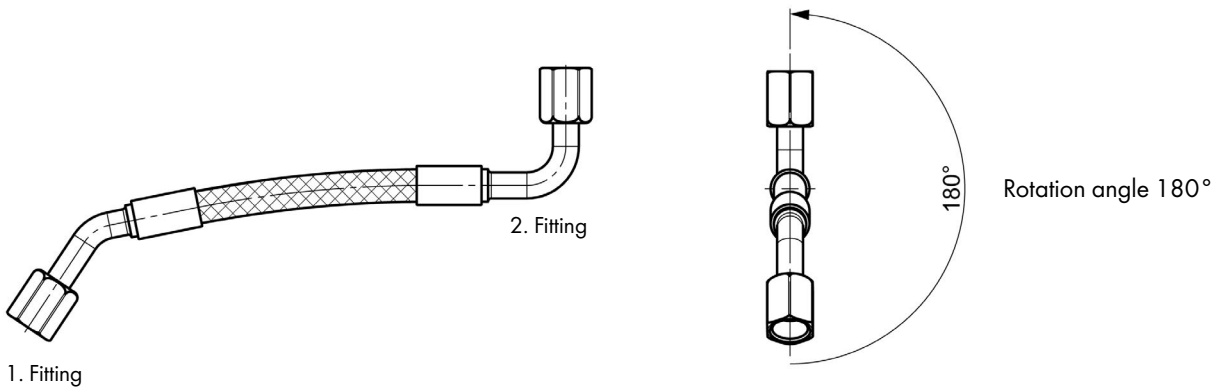
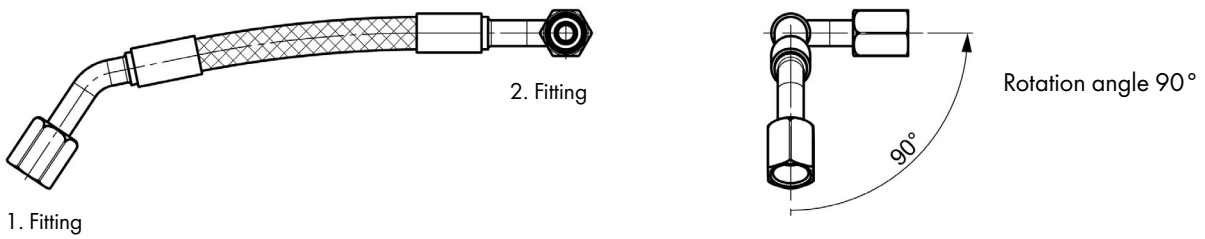
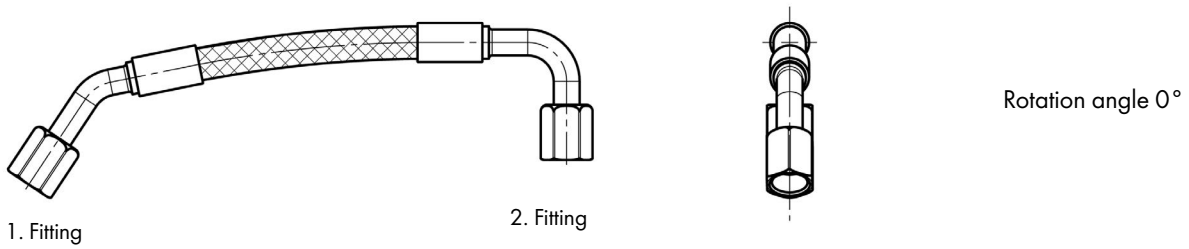
Interpretation of the safety factor

The safety factor for Jacoflon hoses is determined for a sudden rise in pressure with water or hydraulic oil. No account is taken of the fall off in pressure but only of the failure of the hose/braid.

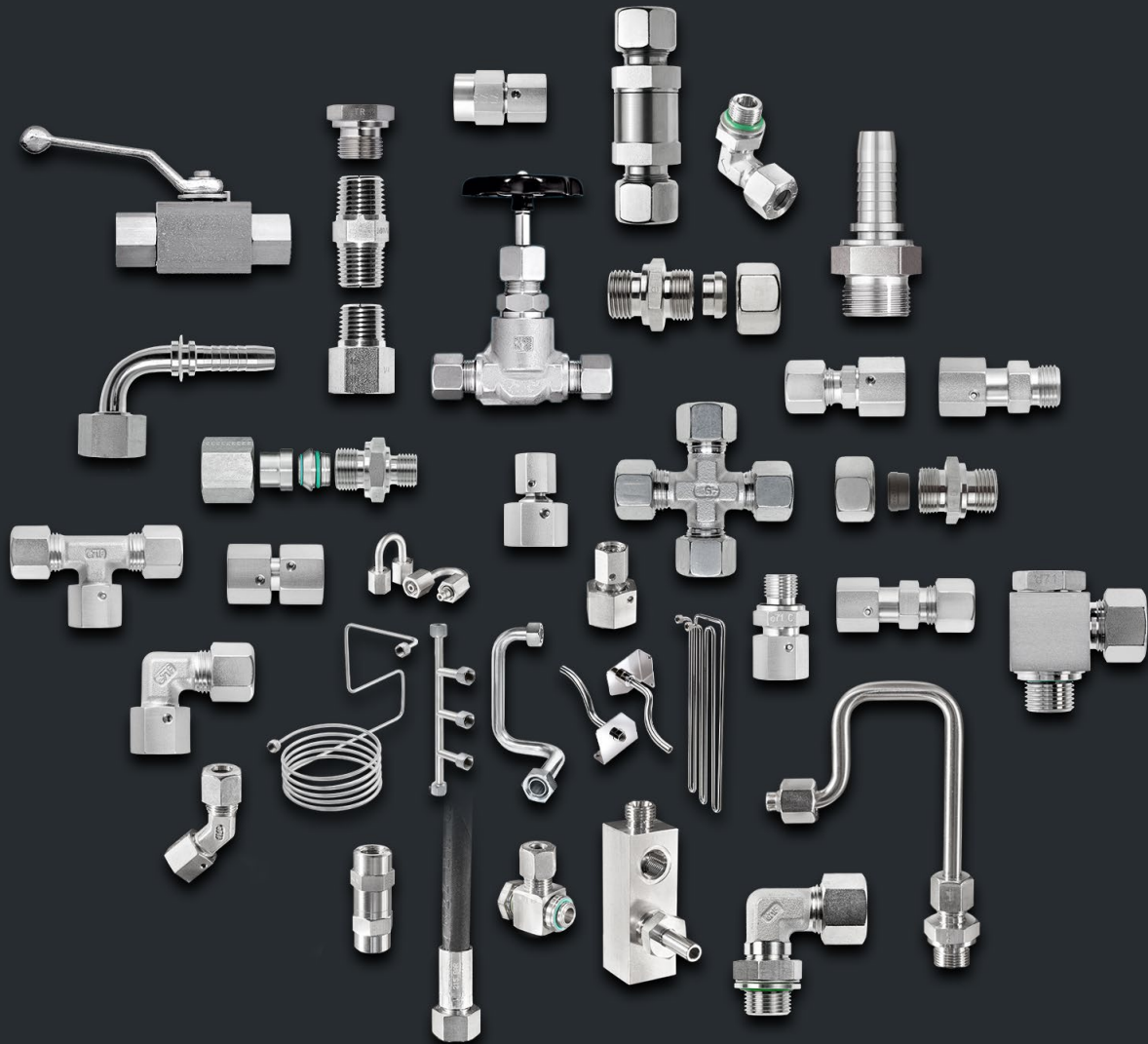
Rotation angle for angled fittings

If angled fittings are used on both sides, the rotation angle can be selected. This is defined, starting from the 1. fitting, in steps of 45° counterclockwise.

Examples:



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