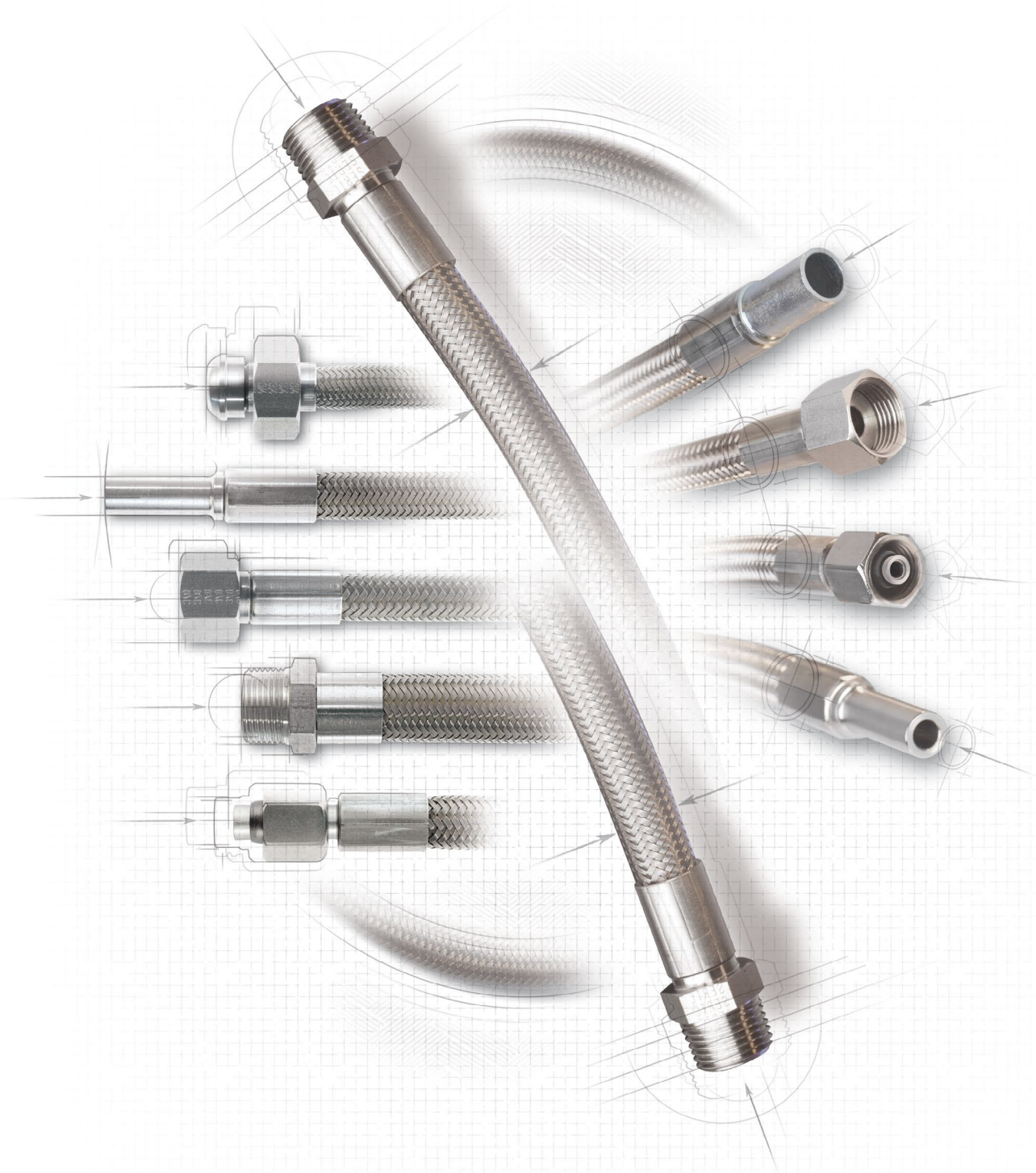


EXMAR



Jacoflon

带不锈钢丝编织层的 PTFE 软管

Jacoflon 不锈钢丝编织 PTFE 软管

EXMAR 凭借 **Jacoflon**，提供了一款在耐用性、灵活性和安全性方面均满足最高要求的产品。**Jacoflon** 是一种采用优质不锈钢丝编织网包裹的柔性聚四氟乙烯 (PTFE) 管材，是一款适合特殊应用的产品。

PTFE 和不锈钢丝编织

PTFE 的巨大优势在于其对大多数化学品、清洁剂和溶剂以及蒸汽和压缩空气具有极高的耐受性。**Jacoflon** 结合了 PTFE 和不锈钢丝编织网的优点，因此具有卓越的使用灵活性、出色的运行安全性、长久的使用寿命和更高的抗压强度。

类别

软管分为 5 种不同的质量等级，配有由不锈钢 1.4571 制成的各种配件。
EXMAR 根据客户规格生产，采用准时制生产方式。

应用范围

设备和附件制造、空调、食品和饮料行业、实验室和医疗技术、水技术、航空航天、汽车行业

特点

- 对几乎所有化学品、清洁剂和溶剂具有极高的耐受性
- 抗紫外线、耐候和耐老化
- 耐高温、不易燃
- 极低的内部摩擦系数，因此流动阻力非常低
- 绝对无毒

选择 **Jacoflon** 的理由

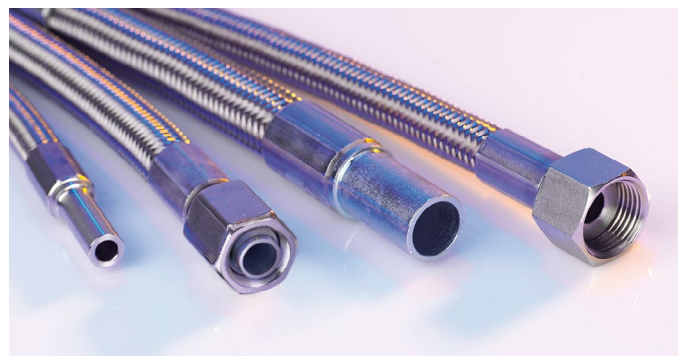
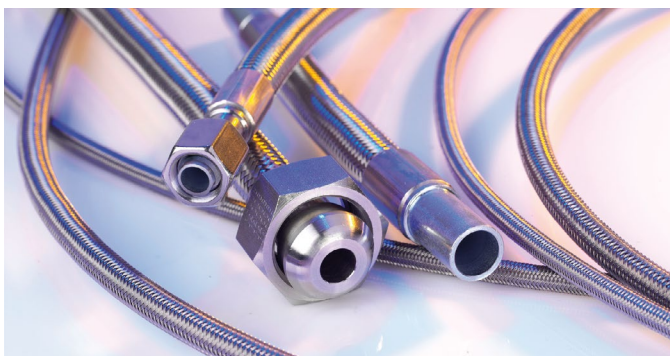
- 出色的运行安全性
- 使用寿命长
- 高耐磨性
- 高抗交变弯曲强度

选择 **EXMAR** 的原因

- 高品质产品
- 一站式节约成本
- 客户定制解决方案
- 可靠的供货服务、优化的供货时间、高供货质量

技术指标

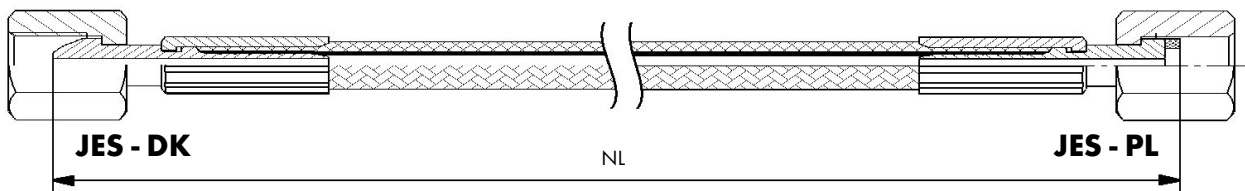
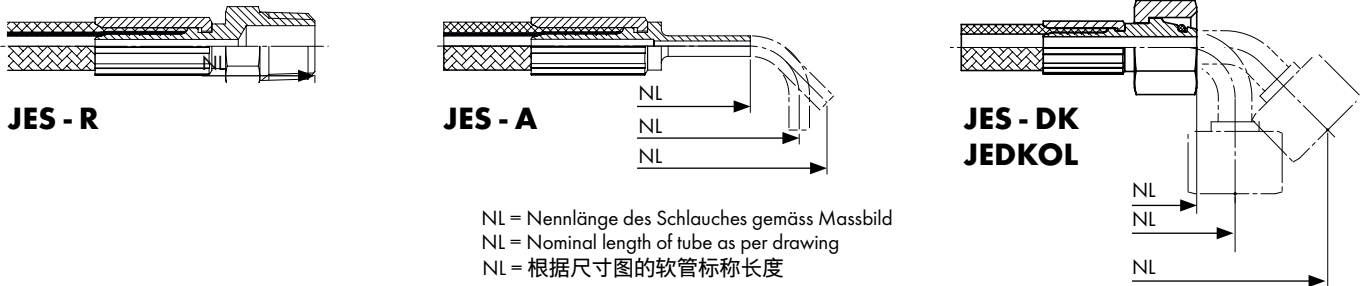
- 材质：- 内部软管：PTFE - 金属丝编织网：不锈钢 1.4301 - 配件：不锈钢 1.4571
- 温度范围：-60°C 至 +250°C



技术数据

Jacoflon PTFE 软管具有良好的柔性、耐腐蚀性和耐压性，可用于特殊应用。交付的软管带 1.4571 不锈钢接头，可根据客户要求提供不同长度和规格。

连接选项



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	2'000	3'000	5'000	10'000	20'000
	+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

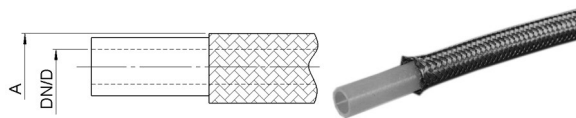
JF PTFE 1 AQ

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

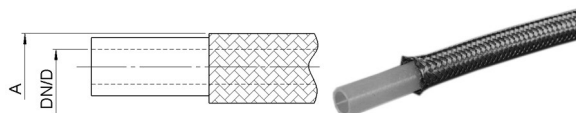
JF PTFE 1 GQ

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

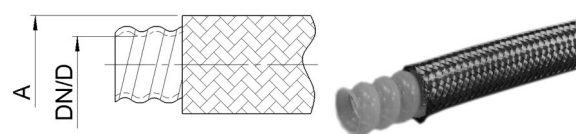
JF PTFE 1 HQ

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

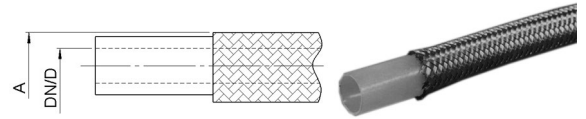
mit einfachem Drahtgeflecht

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

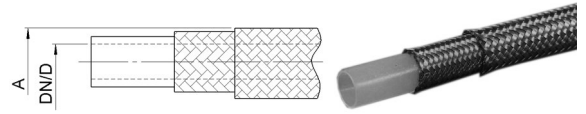
mit zweifachem Drahtgeflecht

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

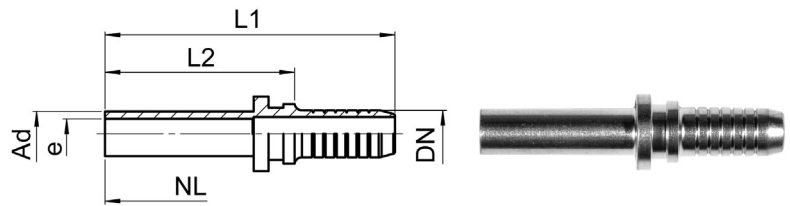
Cylindrical stub

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

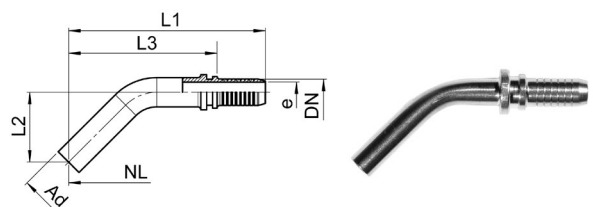
Cylindrical stub 45°

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°

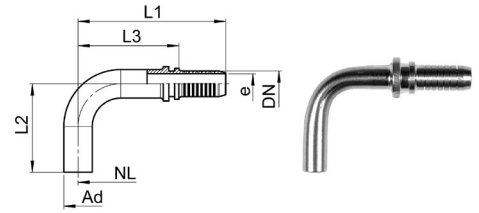
für Schneidring- und Klemmringverschraubungen

Cylindrical stub 90°

for cutting ring and clamping ring fittings

管接套 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

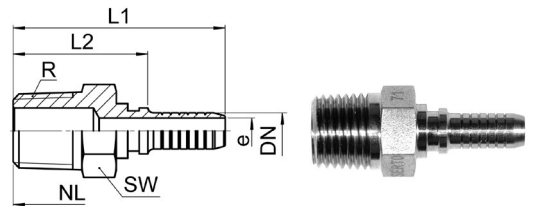
mit konischem Anschlussgewinde

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			✓		

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

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

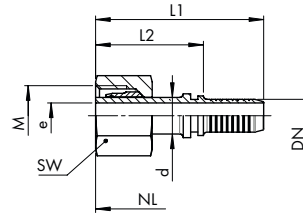
mit Schneidring Verschraubungen Baureihe L

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°

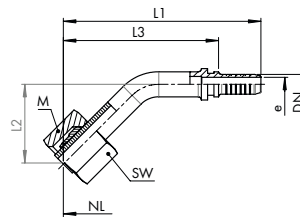
mit Schneidring Verschraubungen Baureihe L

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				✓	✓

NL=Nennlänge des Schlauches gemäss Massbild
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 ✓=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°

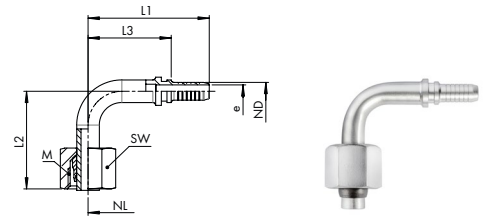
mit Schneidring Verschraubungen Baureihe L

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

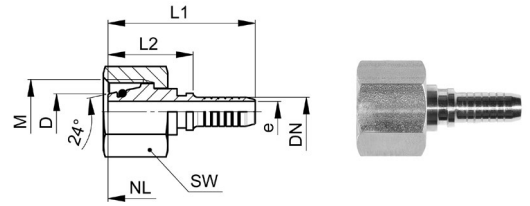
mit Überwurfmutter

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

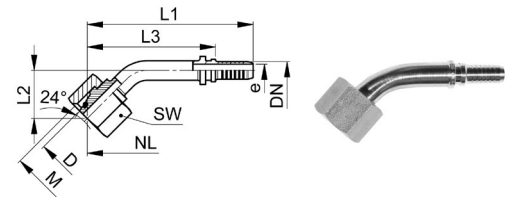
mit Überwurfmutter

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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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

90° Stutzen mit Dichtkegel 24° und O-Ring

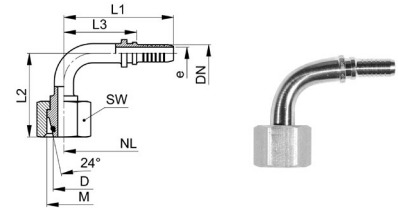
mit Überwurfmutter

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°

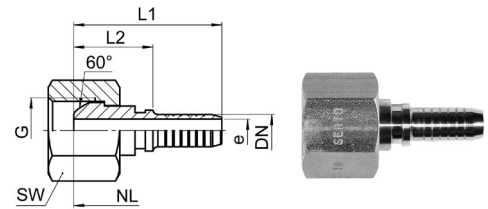
mit Überwurfmutter

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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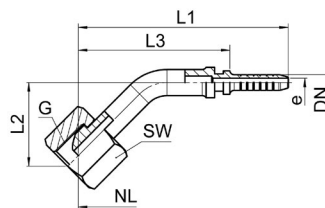
45° Stutzen mit Universaldichtkegel 60°

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				✓	✓

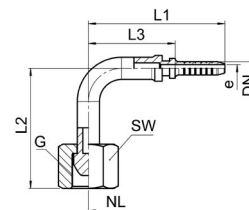
90° Stutzen mit Universaldichtkegel 60°

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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DN/D = 管道内径
☐= 配件/软管的组合选项

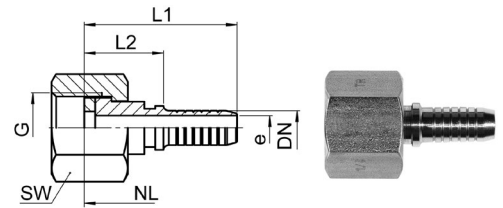
Stutzen mit Planfläche mit PTFE-Dichtring

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			✓		✓

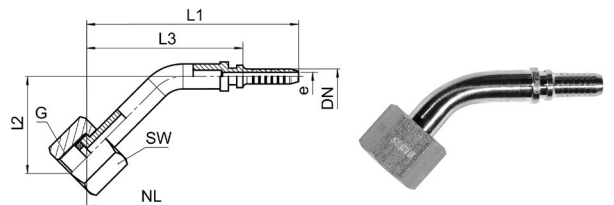
45° Stutzen mit Planfläche mit PTFE-Dichtring

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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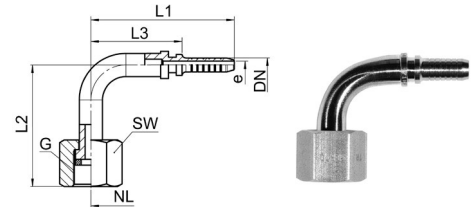
90° Stutzen mit Planfläche mit PTFE-Dichtring

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

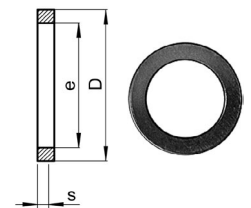
für Planfläche

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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Jacoflon 安装

必须以易于安装和检查的方式布置软管线路；必须避免摩擦其他部件。

必须严格遵守规定的最小弯曲半径。

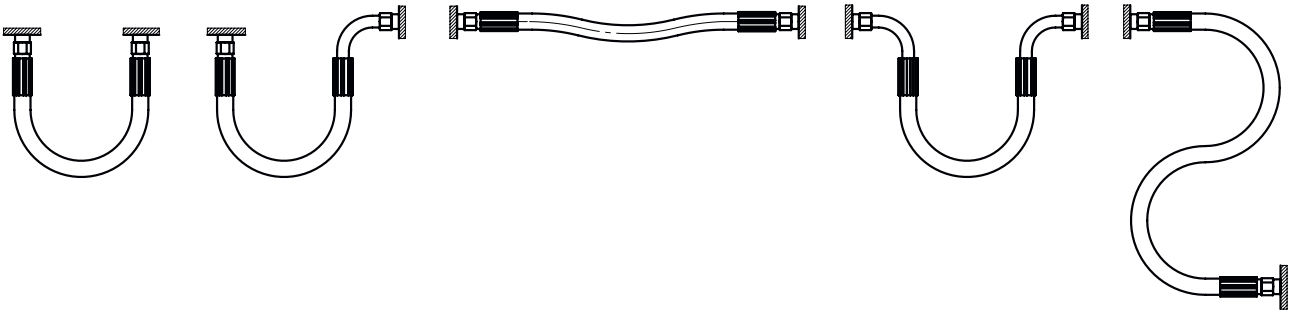
如需频繁移动，最小弯曲半径必须增大 50%，以延长软管的使用寿命。

在安装每条直线软管线路时，原则上需要带垂度，同时也要考虑到软管线路在压力下可能会出现的任何长度变化。

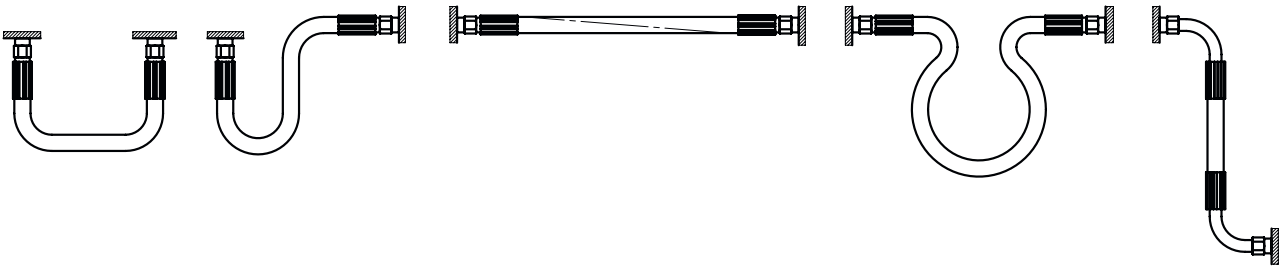
在安装和操作过程中，必须避免软管上的扭转应力，否则必须使用轴向旋转接头。

要确保足够的软管长度，以便在机器部件移动时软管线路不会弯曲。

组装正确



组装错误



一般信息

Jacoflon 软管的渗透性

渗透性指的是气态介质通过物理固体的分子传输，可采用以下方式进行：

1. 高浓度侧的吸附和吸收
2. 通过固体材料扩散，例如软管材料（PTFE 管芯）
3. 从低浓度侧再吸收

这一与塑料有关的非常复杂的问题还受到以下因素的负面影响：

- 供货状态
- 塑料的物理性能
- 介质和所用塑料的化学成分
- 高柔性质量 HQ

得益于极薄的 PTFE 管芯，实现了最大的灵活性。

然而，薄管芯也导致了更高的渗透性，因此不适合气体应用。

渗透浓度

介质与环境之间的浓度差异是渗透的驱动力，而不一定是软管中介质的公称压力。

软管的渗透性随着温度的升高而呈指数级增加。

Jacoflon 的真空应用

软管的内径越小，其越适合真空应用。

我们在这里明确指的是粗真空到高真空。

真空受到软管渗透性以及 PTFE 管芯坍塌的限制。

静态应用

鉴于渗透性，只有在确保连续输送和压力产生的情况下，才建议将其用于使用气态介质的应用。

举例：充满 60 bar CO₂ 的灭火管线将随着时间的推移而失去压力，并因此无压力。

安全系数的解释

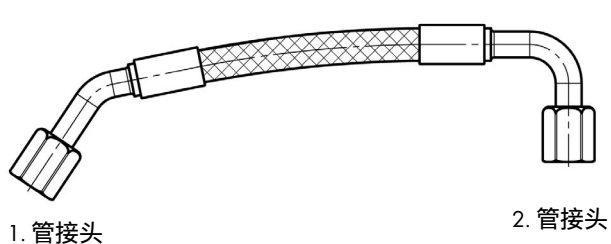
由压力快速增加的水或液压油确定 Jacoflon 软管的安全系数。

其中不考虑压力降，只考虑软管/编织物的失效。

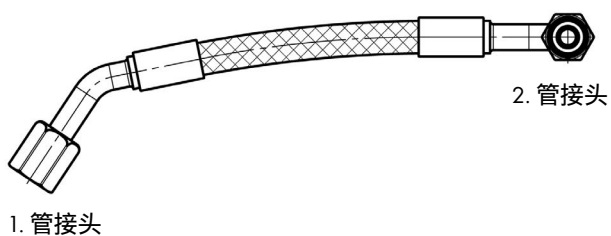
弯曲 Jacoflon 配件的扭转角度

如果左右均使用弯曲配件，则可以选择扭转角度。
从第 1 个连接开始，在逆时针方向上以 45° 的增量对其加以定义。

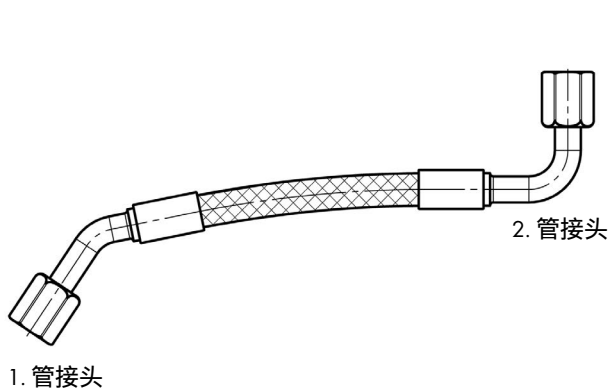
范例



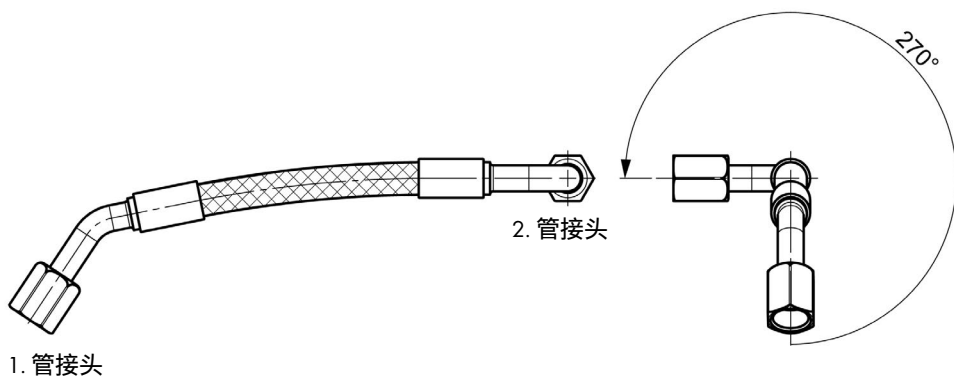
扭转角度 0°



扭转角度 90°

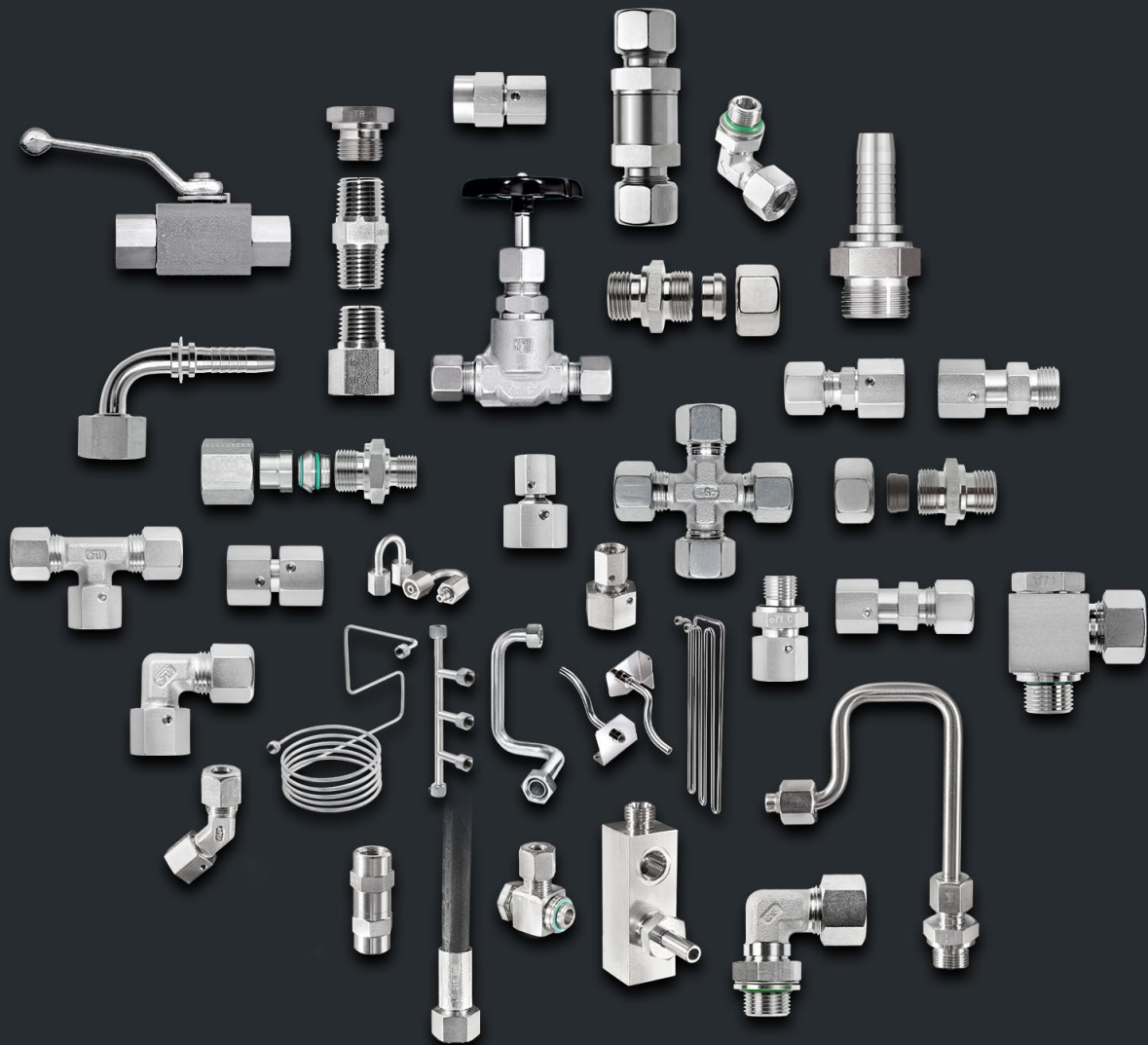


扭转角度 180°



扭转角度 270°

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