



内容 / Index	页次 / Page
<b>SAE 法兰系列 / SAE Flange Series</b> .....	Ai
目录 / Content .....	Aiii
概述 / General Description .....	A1
订货代号 / Ordering Code .....	A2
<b>SAE 法兰产品一览 / Product Visual Index of SAE Flanges</b>	
<b>方法兰系列 / Square Flange Series</b> .....	Bi
目录 / Content .....	Biii
概述 / General Description .....	B1
订货代号 / Ordering Code .....	B2
<b>方法兰产品一览 / Product Visual Index of Square Flanges</b>	
<b>管接头系列 / Fitting Series</b> .....	Ci
目录 / Content .....	Ciii
概述 / General Description .....	C1
订货代号 / Ordering Code .....	C2
<b>管接头产品一览 / Product Visual Index of Fittings</b>	
<b>技术资料 / Technical Informations</b> .....	Di
目录 / Content .....	Diii
<b>1 液压系统管道尺寸的确定 / Determining tube size for hydraulic systems</b> .....	D1
<b>2 法兰安装指南 / Installing instructions for flange connectors</b> .....	D4
<b>3 管接头油口尺寸 / Ports dimensions for fittings</b> .....	D8
<b>4 液压管件常用钢材牌号对照 / Comparisons of the codes of steels commonly used for connectors</b> .....	D11



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# SAE 法兰系列

# SAE Flange Series



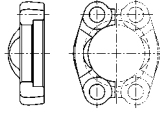
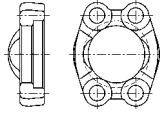
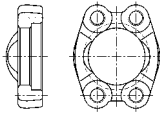
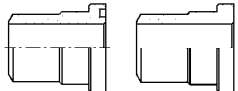
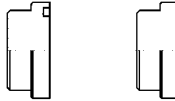

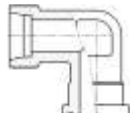
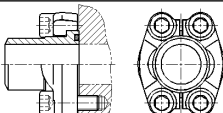
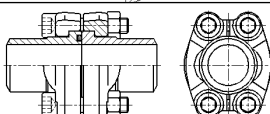
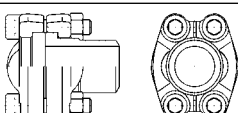
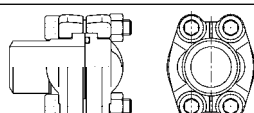
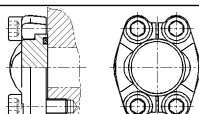
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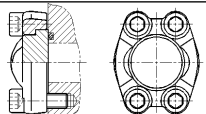
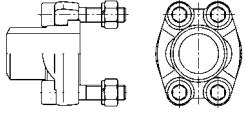
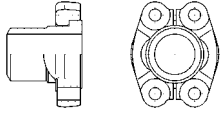
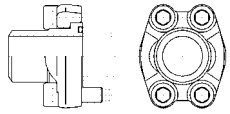
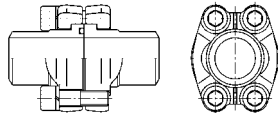
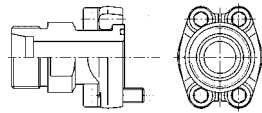
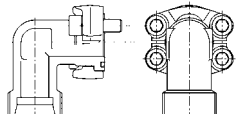
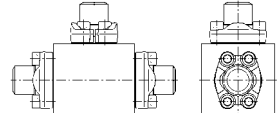
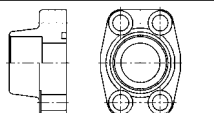
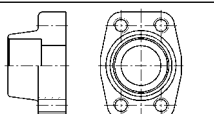
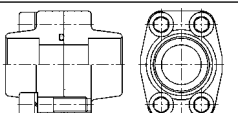
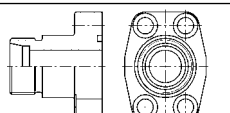
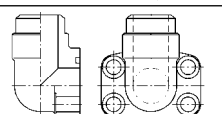
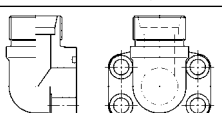
页次 / Page

概述 / General Description ..... A1

订货代号 / Ordering Code ..... A2

## SAE 法兰产品一览 / Product Visual Index of SAE Flanges

类型代号 Type Code	名称 Description	简图 Thumb	页次 Page
FH	SAE 对开法兰 SAE Split Flange Clamps		A3
VF	SAE 整体法兰 One-piece SAE Flange Clamps		A4
VFM	SAE 带螺纹孔的整体法兰 One-piece SAE Flange Clamps with Tapped Holes		A5
UFG / UFN	SAE 法兰用焊接接管/平焊接接管 Weld-on Heads with/without Groove for SAE Flanges		A6
UFB / UFBN	SAE 法兰用闷盖/平闷盖 Plug Heads with/without Groove for SAE Flanges		A7
UFE	SAE 法兰用卡套式接管 Bite-type Fitting Heads for SAE Flanges		A8
UFW	SAE 法兰用卡套式弯头接管 Elbowed Bite-type Fitting heads for SAE-Flanges		A10
SFS	单端焊接式 SAE 对开法兰组件 Weld-on Split SAE Flange Connectors		A11
DSFS	双头焊接式 SAE 法兰连接组件 Weld-on SAE Flange Couplings		A13
CSFS	单接管双头焊接式 SAE 法兰组件 SAE Flange Couplings with Single Weld-on Head		A15
DSFSG	焊接式 SAE 闷盖法兰组件 Blind SAE Flange Couplings		A17
BS	SAE 闷盖法兰组件 Blind SAE Flange Kits		A19

类型代号 Type Code	名称 Description	简图 Thumbnail	页次 Page
BSO	SAE 平闷盖法兰组件 Blind SAE Flange Kits, without O-Ring Groove		A21
GSFS	单头焊接式 SAE 法兰组件 (平接管, 带螺栓) Half Weld-on SAE Flange Coupling		A23
AFS	单端焊接式带螺孔 SAE 法兰组件 Weld-on SAE Tapped Flange Connectors		A25
AFSA	单端焊接式 SAE 整体法兰组件 Weld-on One-piece SAE Flange Connectors		A27
AFS / AFSA	双头焊接式整体 SAE 法兰组件 Weld-on One-piece SAE Flange Couplings		A29
SFCE	卡套接管 SAE 法兰组件 SAE Flange Connectors, with Bite-type Fitting Heads		A31
WFG	直角弯头卡套接管 SAE 法兰组件 SAE Flange Connectors, with Elbowed Bite-type Fitting Head		A33
SFV	焊接式 SAE 三通法兰组件 Weld-on SAE T-Flange Connection Kit		A35
AFLA	带止口 SAE 焊接法兰 SAE Socket Weld Flanges		A37
AFL	带止口 SAE 焊接法兰 (带螺纹孔) Tapped SAE Socket Weld Flanges		A38
AFL / AFLA	双头带止口 SAE 焊接法兰组件 SAE Socket Weld Flange Couplings		A39
AFM	卡套连接式整体 SAE 法兰 SAE Flanges with Bite-type Fitting End		A41
AFW	焊接式 SAE 整体直角弯头法兰 Elbow Weld-on SAE-Flanges		A42
AFMW	卡套连接式 SAE 整体直角弯头法兰 Elbow SAE-Flanges with Bite-type Fitting End		A43

## 简介

Unifit SAE 法兰系列适用于液压系统及各种高压管系的安装连接，产品符合标准 ISO 6162 及 SAE J 518。

各种型式的法兰连接件可按成套组件供货，也可单独提供零件。

## 工作压力

每种型式和规格的法兰连接件的最高工作压力均在相应的尺寸表中予以标明。该工作压力数值适用于-20°C 至+90°C 的工作温度范围，若实际工作温度超出此范围，由于所使用材料的物理性能会有减弱，应降低最高工作压力使用。

标明的最高工作压力仅指法兰本身，整个管系的最高工作压力，应考虑所使用的管道、管接头以及其它管件的压力限制。

## 材料

作为标准的供货状态，法兰和接头体均使用碳钢材料制作，也可按订货要求提供不锈钢法兰或接头体，详情请参见“订货代号”。

## 表面处理

表面镀锌并钝化，或按订货要求处理。

## 安装螺栓

所提供的紧固螺栓均为高强度螺栓，强度等级为 ISO 898-1 规定的 8.8 级。按订货要求，也可提供 10.9 级的安装螺栓。

## 密封件

本样本包含的法兰连接件均采用 O 型圈进行密封，标准供货状态下，密封圈材料为丁腈橡胶 (NBR)，按订货要求，也可提供氟橡胶 (FPM) 密封圈。

## Introduction

The Unifit SAE flange connections are mainly used for pipe connecting of hydraulic systems and other high pressure pipe lines. The products are in accordance with the standards ISO 6162 and SAE J 518.

The flange connectors can be provided as kits, and the separate parts can also be supplied.

## Working Pressure

The maximum working pressure of each type and size of the flange connectors is indicated in the relevant dimension list. The pressure indications are based on a working temperature range from -20°C to +90°C. If the actual working temperature exceeds such a range, the maximum working pressure should be reduced because of the weakened physical properties of the used materials.

The indicated working pressure refers only to the flange itself. For the whole pipe line, to determine its maximum working pressure the pressure limits of all the used tubes, fittings and connectors should be considered.

## Materials

In case the order is not specified, we supply flanges and welding heads as well made of carbon steel. Stainless steel made flanges or welding heads are available on require. See "Ordering Code" for details.

## Surface Protection

The surface is treated with zinc plating and passivation, or as per require.

## Fixing belts

The supplied belts are of high strength. Belts of property class 8.8 (as specified in ISO 898-1) are as standard. Belts of property class 10.9 can be supplied on request.

## Seals

All flange connectors in this catalog use O-rings for sealing. As standard, the supplied O-rings are made up of nitrile butadiene rubber (NBR). Viton (FPM) O-rings can be supplied on require.



**订货代号**

订货时, 请使用下述产品代号

\* \* \* \*    \* \* \* \* / \* X\* / \* \* / \* \* \* \*  
1 2 3    4 5 6

**1 类型代号**

详见“产品目录表”。

**2 系列代号**
**3** - 3000 psi 系列, 符合 ISO 6162-1 或 SAE J518-61

**6** - 6000 psi 系列, 符合 ISO 6162-2 或 SAE J518-62

**3 法兰规格代号**

规格代号 Size code	公称通经 Nominal Flange Size		规格代号 Size code	公称通经 Nominal Flange Size		规格代号 Size code	公称通经 Nominal Flange Size	
	DN	in		DN	in		DN	in
001	13	1/2"	005	38	1 1/2"	009	89	3 1/2"
002	19	3/4"	006	51	2"	010	102	4"
003	25	1"	007	64	2 1/2"	011	127	5"
004	32	1 1/4"	008	76	3"			

**4 接管规格代号**

管道外径 x 管道壁厚

**5 法兰材料代号**

ST - 碳钢

材料牌号 (如: 1.4571) - 不锈钢

**6 接管及闷盖材料代号**

ST - 碳钢

材料牌号 (如: 1.4571) - 不锈钢

**Ordering Code**

When ordering, please use the product code as following.

**Type Code**

See "Products List" for details.

**Series**
**3** - Series 3000 psi, according to ISO 6162- 1 or SAE J518C-61

**6** - Series 6000 psi, according to ISO 6162- 2 or SAE J518C-62

**Size Code for Flanges**
**Size Code for Welding Heads**

Pipe outside diameter x wall thickness

**Material of Flanges**

ST - Carbon Steel

Material designation code (e.g.: 1.4571) - Stainless steel

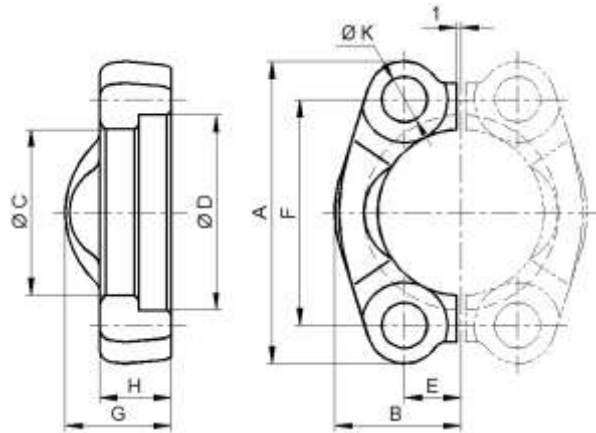
**Material of Welding Heads and Blind Covers**

ST - Carbon Steel

Material designation code (e.g.: 1.4571) - Stainless steel

**FH SAE 对开法兰**

FH SAE Split Flange Clamps



**订货代号示例:**

通径 DN25 (1"), 碳钢材料, 3000 psi 系列的 FH 型 SAE 对开法兰订货代号应为:

**FH 3003 / ST**

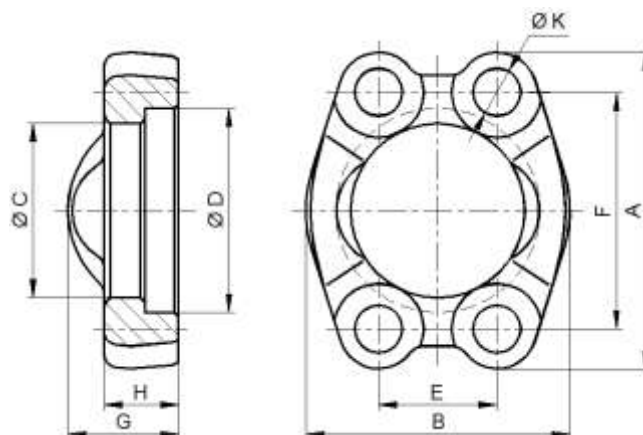
**Ordering Example:**

The ordering code for DN25 (1"), 3000 psi, carbon steel made FH SAE split flange halves should be:

**FH 3003 / ST**

公称规格 Nominal Size		型式代号 Type Code	最高工作压力 Max. Pressure	尺寸 Dimensions									螺栓规格 Screws	重量 Weight
mm	in.		bar	A	B	C	D	E	F	G	H	K	M	kg
		<b>3000 psi</b>	<b>ISO 6162-1 / SAE J518C-61</b>											
16	1/2"	<b>FH 3001</b>	350	54.1	23.0	24.3	31.0	8.7	38.1	19	13	8.5	M8	0.07
19	3/4"	<b>FH 3002</b>	350	65.6	26.0	32.2	38.9	11.1	47.6	22	14	10.5	M10	0.08
25	1"	<b>FH 3003</b>	350	70.4	29.7	38.5	45.3	13.1	52.4	24	16	10.5	M10	0.11
32	1 1/4"	<b>FH 3004</b>	250	78.7	36.5	43.7	51.6	15.1	58.7	24	16	10.5	M10	0.15
38	1 1/2"	<b>FH 3005</b>	200	93.9	41.5	50.8	61.1	17.9	69.9	25	16	13.0	M12	0.22
51	2"	<b>FH 3006</b>	200	101.8	48.5	62.8	72.2	21.5	77.8	26	16	13.0	M12	0.25
64	2 1/2"	<b>FH 3007</b>	160	114.9	54.5	74.9	84.9	25.4	88.9	38	19	13.0	M12	0.37
76	3"	<b>FH 3008</b>	100	134.4	65.5	90.9	102.4	31.0	106.4	41	22	17.0	M16	0.65
89	3 1/2"	<b>FH 3009</b>	35	152.7	70.0	102.4	115.1	34.9	120.7	28	22	17.0	M16	0.75
102	4"	<b>FH 3010</b>	35	162.2	76.0	115.0	127.8	38.9	130.2	35	25	17.0	M16	0.82
127	5"	<b>FH 3011</b>	35	184.4	90.5	140.5	153.2	46.0	152.4	41	28	17.0	M16	1.25
		<b>6000 psi</b>	<b>ISO 6162-2 / SAE J518C-62</b>											
16	1/2"	<b>FH 6001</b>	420	56.5	24.0	24.6	32.5	9.1	40.5	22	16	8.5	M8	0.08
19	3/4"	<b>FH 6002</b>	420	70.8	30.0	32.5	42.0	11.9	50.8	28	19	10.5	M10	0.17
25	1"	<b>FH 6003</b>	420	81.2	35.0	38.8	48.4	13.9	57.2	33	24	12.5	M12	0.26
32	1 1/4"	<b>FH 6004</b>	420	94.6	39.0	44.5	54.8	15.9	66.6	38	27	14.5	M14	0.40
38	1 1/2"	<b>FH 6005</b>	350	113.3	47.5	51.6	64.3	18.3	79.3	43	30	17.0	M16	0.67
51	2"	<b>FH 6006</b>	350	132.8	57.0	67.6	80.2	22.3	96.8	52	37	21.0	M20	1.05
64	2 1/2"	<b>FH 6007</b>	350	180.0	75.0	90.0	108.9	29.4	123.8	45	45	26.0	M24	4.10
76	3"	<b>FH 6008</b>	350	215.0	99.0	115.0	132.5	35.8	152.4	55	55	31.0	M30	8.60

**VF SAE 整体压板法兰**  
VF SAE Flange Clamps



**订货代号示例:**

通径 DN25 (1"), 碳钢材料, 3000 psi 系列的 FV 型 SAE 整体压板法兰订货代号应为:

**VF 3003 / ST**

**Ordering Example:**

The ordering code for DN25 (1"), 3000 psi, carbon steel made FV SAE flange clamps should be:

**VF 3003 / ST**

公称规格 Nominal Size		型式代号 Type Code	最高工作压力 Max. Pressure	尺寸 Dimensions									螺栓规格 bolts	重量 Weight
mm	in.		bar	A	B	C	D	E	F	G	H	K	M	kg
		<b>3000 psi</b>	<b>ISO 6162-1 / SAE J518C-61</b>											
16	1/2"	<b>VF 3001</b>	350	54.1	46.0	24.3	31.0	17.5	38.1	19	13	8.5	M8	0.15
19	3/4"	<b>VF 3002</b>	350	65.6	52.0	32.1	38.9	22.3	47.6	22	14	10.5	M10	0.17
25	1"	<b>VF 3003</b>	350	70.4	59.5	38.5	45.3	26.2	52.4	24	16	10.5	M10	0.22
32	1 1/4"	<b>VF 3004</b>	250	78.7	73.0	43.7	51.6	30.2	58.7	24	16	10.5	M10	0.30
38	1 1/2"	<b>VF 3005</b>	200	93.9	83.0	50.8	61.1	35.7	69.9	25	16	13.0	M12	0.45
51	2"	<b>VF 3006</b>	200	101.8	97.0	62.7	72.2	42.9	77.8	26	16	13.0	M12	0.50
64	2 1/2"	<b>VF 3007</b>	160	114.9	109.0	74.9	84.9	50.8	88.9	38	19	13.0	M12	0.74
76	3"	<b>VF 3008</b>	100	134.4	131.0	90.9	102.4	61.9	106.4	41	22	17.0	M16	1.30
89	3 1/2"	<b>VF 3009</b>	35	152.7	140.0	102.4	115.1	69.9	120.7	28	22	17.0	M16	1.50
102	4"	<b>VF 3010</b>	35	162.2	152.0	115.1	127.8	77.8	130.2	35	25	17.0	M16	1.65
127	5"	<b>VF 3011</b>	35	184.4	181.0	140.5	153.2	92.1	152.4	41	28	17.0	M16	2.50
		<b>6000 psi</b>	<b>ISO 6162-2 / SAE J518C-62</b>											
16	1/2"	<b>VF 6001</b>	420	56.5	48.0	24.6	32.5	18.2	40.5	22	16	8.5	M8	0.16
19	3/4"	<b>VF 6002</b>	420	70.8	60.0	32.5	42.1	23.8	50.8	28	19	10.5	M10	0.35
25	1"	<b>VF 6003</b>	420	81.2	70.0	38.9	48.4	27.8	57.2	33	24	12.5	M12	0.53
32	1 1/4"	<b>VF 6004</b>	420	94.6	78.0	44.5	54.8	31.8	66.6	38	27	14.5	M14	0.80
38	1 1/2"	<b>VF 6005</b>	350	113.3	95.0	51.6	64.3	36.5	79.3	43	30	17.0	M16	1.35
51	2"	<b>VF 6006</b>	350	132.8	114.0	67.6	80.2	44.5	96.8	52	37	21.0	M20	2.10
64	2 1/2"	<b>VF 6007</b>	350	180.0	150.2	90.0	108.9	58.8	123.8	45	45	26.0	M24	4.10
76	3"	<b>VF 6008</b>	350	215.0	198.2	115.0	132.5	71.6	152.4	55	55	31.0	M30	8.60

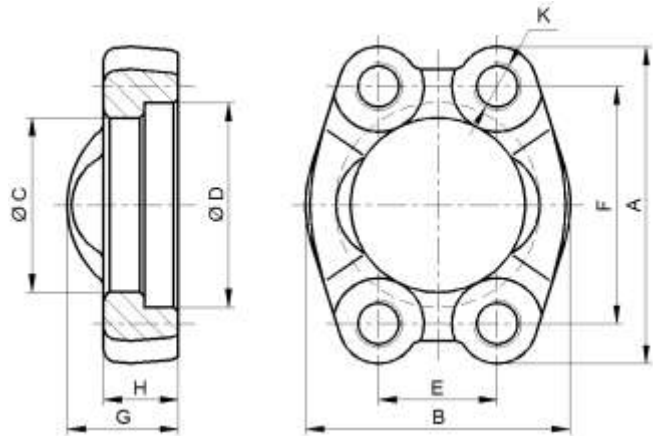
## SAE 法兰系列 / SAE-flange Series

VFM SAE 带螺纹孔的整体法兰 / VFM SAE Flange Clamps with Tapped Holes



### VFM SAE 带螺纹孔的整体压板法兰

VFM SAE Flange Clamps with Tapped Holes



#### 订货代号示例:

通径 DN25 (1"), 碳钢材料, 6000 psi 系列的 FVM 型带螺孔的 SAE 整体法兰订货代号应为:

**VFM 6003 / ST**

#### Ordering Example:

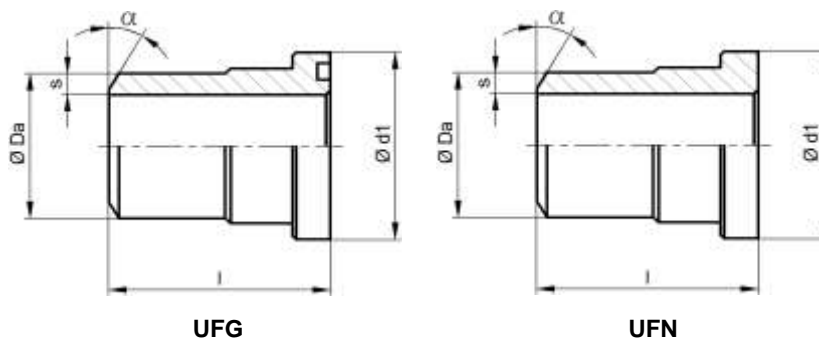
The ordering code for DN25 (1"), 6000 psi, carbon steel made FVM SAE flange clamps should be:

**VFM 6003 / ST**

公称规格 Nominal Size		型式代号 Type Code	最高工作压力 Max. Pressure	尺寸 Dimensions									螺栓规格 Screws	重量 Weight		
mm	in.		bar	A	B	C	D	E	F	G	H	K	M	kg		
		<b>3000 psi</b>	<b>ISO 6162-1 / SAE J518C-61</b>													
16	1/2"	<b>VFM 3001</b>	350	54.1	46.0	24.3	31.0	17.5	38.1	19	13	M8	M8	0.15		
19	3/4"	<b>VFM 3002</b>	350	65.6	52.0	32.1	38.9	22.3	47.6	22	14	M10	M10	0.17		
25	1"	<b>VFM 3003</b>	350	70.4	59.5	38.5	45.3	26.2	52.4	24	16	M10	M10	0.22		
32	1 1/4"	<b>VFM 3004</b>	250	78.7	73.0	43.7	51.6	30.2	58.7	24	16	M10	M10	0.30		
38	1 1/2"	<b>VFM 3005</b>	200	93.9	83.0	50.8	61.1	35.7	69.9	25	16	M12	M12	0.45		
51	2"	<b>VFM 3006</b>	200	101.8	97.0	62.7	72.2	42.9	77.8	26	16	M12	M12	0.50		
64	2 1/2"	<b>VFM 3007</b>	160	114.9	109.0	74.9	84.9	50.8	88.9	38	19	M12	M12	0.74		
76	3"	<b>VFM 3008</b>	100	134.4	131.0	90.9	102.4	61.9	106.4	41	22	M16	M16	1.30		
		<b>6000 psi</b>	<b>ISO 6162-2 / SAE J518C-62</b>													
16	1/2"	<b>VFM 6001</b>	420	56.5	48.0	24.6	32.5	18.2	40.5	22	16	M8	M8	0.16		
19	3/4"	<b>VFM 6002</b>	420	70.8	60.0	32.5	42.1	23.8	50.8	28	19	M10	M10	0.35		
25	1"	<b>VFM 6003</b>	420	81.2	70.0	38.9	48.4	27.8	57.2	33	24	M12	M12	0.53		
32	1 1/4"	<b>VFM 6004</b>	420	94.6	78.0	44.5	54.8	31.8	66.6	38	27	M14	M14	0.80		
38	1 1/2"	<b>VFM 6005</b>	350	113.3	95.0	51.6	64.3	36.5	79.3	43	30	M16	M16	1.35		
51	2"	<b>VFM 6006</b>	350	132.8	114.0	67.6	80.2	44.5	96.8	52	37	M20	M20	2.10		

**UFG/UFN SAE 法兰用焊接接管**

UFG/UFN Welding Heads for SAE Flanges


**订货代号示例:**

 通径 DN25 (1"), 6000 psi 系列 SAE 法兰用 UFG 或 UFN 焊接接管, 连接管道的规格为  $\varnothing 30 \times 4$ , 不锈钢材料 (材料代号 1.4571), 其订货代号应为:

**UFG 6003 / 30x4 / 1.4571 或**  
**UFN 6003 / 30x4 / 1.4571**

**Ordering Example:**

 For DN25 (1"), 6000 psi, stainless steel made (material code 1.4571) UFG or UFN welding head for SAE flanges, the size of the tube being connected is  $\varnothing 30 \times 4$ , the ordering code should be:

**UFG 6003 / 30x4 / 1.4571 or**  
**UFN 6003 / 30x4 / 1.4571**

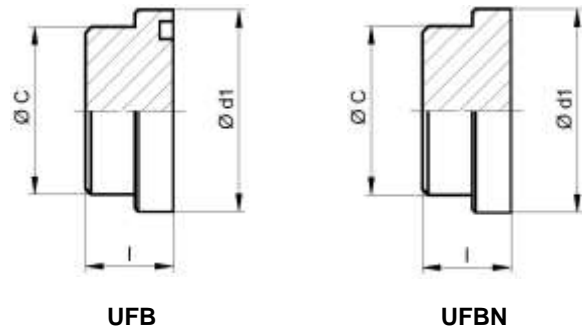
**安装尺寸 / Dimensions**

mm

公称规格 Nominal Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions					配用 O 型密封圈 Matched O-Ring	重量 Weight
mm	in.	bar		Da x s	d1	l	$\alpha$		kg	
<b>3000 psi</b>										
13	1/2"	350	<b>UFG 3001 / UFN 3001</b>	<b>20x3</b> / 21.3x2.6 / 22x2	30.0	30	30°	18.7 x 3.55	0.06	
19	3/4"	350	<b>UFG 3002 / UFN 3002</b>	<b>25x3</b> / 26.9x3.6	38.0	35	30°	25.0 x 3.55	0.09	
25	1"	350	<b>UFG 3003 / UFN 3003</b>	<b>30x4</b> / 33.7x3.2 / 35x4	44.3	40	30°	32.9 x 3.55	0.12	
32	1 1/4"	250	<b>UFG 3004 / UFN 3004</b>	<b>42.4x3.2</b> / 38.4x4 / 42.4x5	51.0	45	30°	37.7 x 3.55	0.20	
38	1 1/2"	200	<b>UFG 3005 / UFN 3005</b>	<b>48.3x3.2</b> / 42.4x3.2 / 38x4	60.5	50	30°	47.2 x 3.55	0.26	
51	2"	200	<b>UFG 3006 / UFN 3006</b>	<b>60.3x5.6</b> / 42.4x3.2 / 42x3.0	71.5	60	30°	56.7 x 3.55	0.58	
64	2 1/2"	160	<b>UFG 3007 / UFN 3007</b>	<b>76.1x3.6</b> / 76.1x7.1	84.0	65	30°	69.4 x 3.55	0.65	
76	3"	100	<b>UFG 3008 / UFN 3008</b>	<b>88.9x3.6</b> / 76.1x3.6 / 76.1x7.1	101.5	70	30°	85.3 x 3.55	0.98	
89	3 1/2"	35	<b>UFG 3009 / UFN 3009</b>	<b>88.9x3.6</b> / 76.1x3.6 / 114.3x3.6	114.0	80	30°	98.0 x 3.55	1.31	
102	4"	35	<b>UFG 3010 / UFN 3010</b>	<b>114.3x3.6</b> / 88.9x3.6 / 76.1x3.6	127.0	80	30°	110.7 x 3.55	1.55	
127	5"	35	<b>UFG 3011 / UFN 3011</b>	<b>139.7x4</b>	152.5	80	30°	136.1 x 3.55	1.76	
<b>6000 psi</b>										
13	1/2"	420	<b>UFG 6001 / UFN 6001</b>	<b>16x2.5 / 20x3</b> / 21.3x4.5	32.0	40	30°	18.7 x 3.55	0.08	
19	3/4"	420	<b>UFG 6002 / UFN 6002</b>	<b>25x4</b> / 20x3 / 26.9x5.6	41.5	45	30°	25.0 x 3.55	0.14	
25	1"	420	<b>UFG 6003 / UFN 6003</b>	<b>30x4</b> / 25x4 / 30x4 / 33.7x7.1	47.5	50	30°	32.9 x 3.55	0.23	
32	1 1/4"	420	<b>UFG 6004 / UFN 6004</b>	<b>38x5 / 42.4x8.8</b> / 30x4	54.0	55	30°	37.7 x 3.55	0.33	
38	1 1/2"	350	<b>UFG 6005 / UFN 6005</b>	<b>48.3x8.8</b> / 38x5 / 48.3x7.1	63.5	60	30°	47.2 x 3.55	0.58	
51	2"	350	<b>UFG 6006 / UFN 6006</b>	<b>60.3x10</b> / 60.3x8 / 60.3x8.8	79.5	70	30°	56.7 x 3.55	1.18	
64	2 1/2"	350	<b>UFG 6007 / UFN 6007</b>	<b>76.1x12.5</b> / 76.1x10 / 88.9x14.2	108.0	80	30°	69.4 x 3.55	2.35	
76	3"	350	<b>UFG 6008 / UFN 6008</b>	<b>88.9x14.2</b> / 114.3x11 / 114.3x17.5	131.5	100	30°	85.3 x 3.55	3.92	

**UFB/UFBN SAE 法兰用闷头**

UFB/UFRN Plug Heads for SAE Flanges



**订货代号示例:**

通径 DN25 (1"), 6000 psi 系列 SAE 法兰用 UFB 或 UFBN 型闷头, 材料为不锈钢材料(材料代号 1.4571), 其订货代号应为:

**UFB 6003 / 1.4571 或  
UFBN 6003 / 1.4571**

**Ordering Example:**

For DN25 (1"), 6000 psi, stainless steel made (material code 1.4571) UFB or UFBN plug heads for SAE flanges, the ordering code should be:

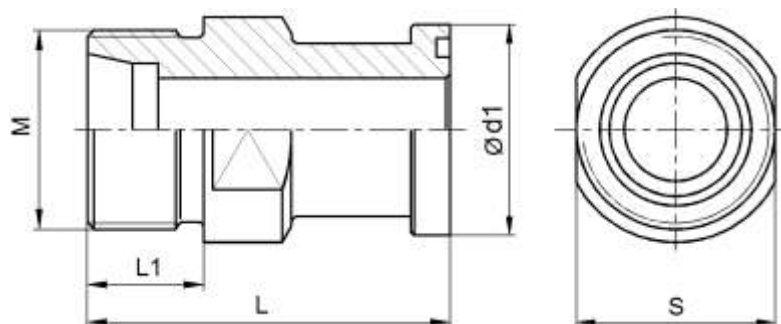
**UFB 6003 / 1.4571 or  
UFBN 6003 / 1.4571**

**安装尺寸 / Dimensions**

公称规格 Nominal Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions			配用 O 型密封圈 Matched O-Ring	重量 Weight
mm	in.	bar		d1	l	C		kg
<b>3000 psi</b>								
13	1/2"	350	<b>UFB 3001 / UFBN 3001</b>	30.0	22	23.9	18.7 x 3.55	0.08
19	3/4"	350	<b>UFB 3002 / UFBN 3002</b>	38.0	22	31.4	25.0 x 3.55	0.14
25	1"	350	<b>UFB 3003 / UFBN 3003</b>	44.3	22	37.9	32.9 x 3.55	0.21
32	1 1/4"	250	<b>UFB 3004 / UFBN 3004</b>	51.0	22	42.9	37.7 x 3.55	0.27
38	1 1/2"	200	<b>UFB 3005 / UFBN 3005</b>	60.5	27	49.9	47.2 x 3.55	0.44
51	2"	200	<b>UFB 3006 / UFBN 3006</b>	71.5	32	61.9	56.7 x 3.55	0.80
64	2 1/2"	160	<b>UFB 3007 / UFBN 3007</b>	84.0	32	73.9	69.4 x 3.55	1.14
76	3"	100	<b>UFB 3008 / UFBN 3008</b>	101.5	32	89.9	85.3 x 3.55	1.69
89	3 1/2"	35	<b>UFB 3009 / UFBN 3009</b>	114.0	32	101.9	98.0 x 3.55	2.17
102	4"	35	<b>UFB 3010 / UFBN 3010</b>	127.0	32	113.9	110.7 x 3.55	2.71
127	5"	35	<b>UFB 3011 / UFBN 3011</b>	152.5	32	139.9	136.1 x 3.55	4.08
<b>6000 psi</b>								
13	1/2"	420	<b>UFB 6001 / UFBN 6001</b>	32.0	22	23.9	18.7 x 3.55	0.09
19	3/4"	420	<b>UFB 6002 / UFBN 6002</b>	41.5	22	31.9	25.0 x 3.55	0.16
25	1"	420	<b>UFB 6003 / UFBN 6003</b>	47.5	22	37.9	32.9 x 3.55	0.23
32	1 1/4"	420	<b>UFB 6004 / UFBN 6004</b>	54.0	22	43.9	37.7 x 3.55	0.31
38	1 1/2"	350	<b>UFB 6005 / UFBN 6005</b>	63.5	27	50.9	47.2 x 3.55	0.49
51	2"	350	<b>UFB 6006 / UFBN 6006</b>	79.5	32	66.9	56.7 x 3.55	0.99
64	2 1/2"	350	<b>UFB 6007 / UFBN 6007</b>	108.0	45	88.9	69.4 x 3.55	2.43
76	3"	350	<b>UFB 6008 / UFBN 6008</b>	131.5	48	113.9	85.3 x 3.55	4.23

**UFE SAE 法兰用卡套式接管**

UFE Bite-type Fitting Heads for SAE Flanges


**订货代号示例:**

通径 DN25 (1"), 3000 psi 系列 SAE 法兰用 UFE 卡套式接管,  
 管接头规格为 S30, 不锈钢材料 (材料代号 1.4571), 其订货  
 代号为:

**UFE 3003 / S30 / 1.4571**
**Ordering Example:**

The ordering code of stainless steel made (material code  
 1.4571) S30 UFE bite-type fitting head for DN25 (1"), 3000  
 psi SAE flanges should be:

**UFE 3003 / S30 / 1.4571**
**安装尺寸 / Dimensions**

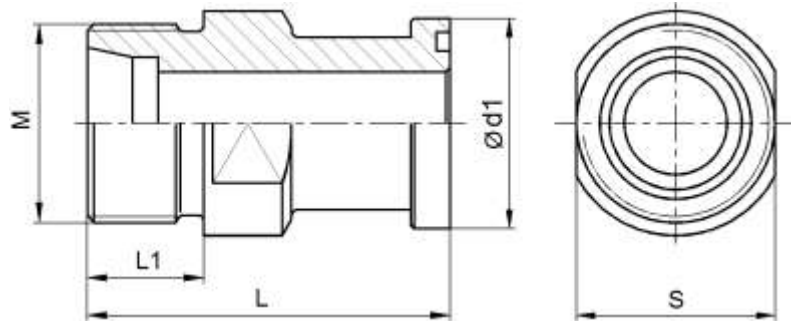
公称规格 Nominal Size		最高工作压力 Max. Pressure	法兰端规格 Flange Size	接管端规格 Fitting Size	尺寸 Dimensions					配用 O 型密封圈 Matched O-Ring	重量 Weight
mm	in.	bar			M	L	L1	d1	S		kg
<b>3000 psi</b>											
13	1/2"	315	UFE 3001	L15	M22x1.5	50.2	12.0	30.0	24	18.7 x 3.55	0.13
		350		S16	M24x1.5	50.2	14.0	30.0	24		0.14
19	3/4"	315	UFE 3002	L10	M16x1.5	53.3	11.0	38.0	24	25.0 x 3.55	0.18
		315		L18	M26x1.5	53.3	12.0	38.0	24		0.19
		160		L22	M30x2.0	53.3	14.0	38.0	32		0.22
		160		L28	M36x2.0	53.3	14.0	38.0	32		0.23
		350		S20	M30x2.0	57.2	16.0	38.0	32		0.22
		350		S25	M36x2.0	57.2	18.0	38.0	32		0.25
25	1"	210	UFE 3003	L22	M30x2.0	57.2	14.0	44.3	32	32.9 x 3.55	0.29
		160		L28	M36x2.0	57.2	14.0	44.3	36		0.30
		350		S25	M36x2.0	63.2	18.0	44.3	36		0.36
		350		S30	M42x2.0	63.2	20.0	44.3	36		0.38
32	1 1/4"	160	UFE 3004	L28	M36x2.0	58.6	14.0	51.0	32	37.7 x 3.55	0.35
		160		L35	M45x2.0	58.6	16.0	51.0	41		0.37
		160		L42	M52x2.0	66.2	16.0	51.0	41		0.46
		280		S25	M36x2.0	66.2	18.0	51.0	32		0.38
		280		S30	M42x2.0	66.2	20.0	51.0	36		0.42
		280		S38	M52x2.0	66.6	22.0	51.0	41		0.49
38	1 1/2"	160	UFE 3005	L42	M52x2.0	64.2	16.0	60.5	46	47.2 x 3.55	0.48
		210		S38	M52x2.0	70.2	22.0	60.5	46		0.62

## SAE 法兰系列 / SAE-flange Series

UFE SAE 法兰用卡套式接管 / UFE Bite-type Fitting Heads for SAE Flanges



### 安装尺寸 / Dimensions (续前页)

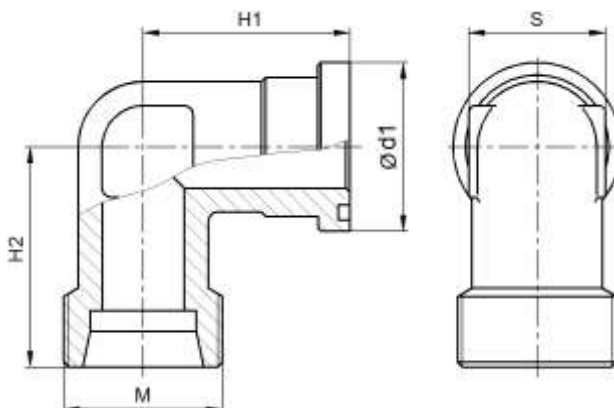


公称规格 Nominal Size		最高工作压力 Max. Pressure	法兰端规格 Flange Size	接管端规格 Fitting Size	尺寸 Dimensions					配用 O 型密封圈 Matched O-Ring	重量 Weight
mm	in.	bar			M	L	L1	d1	S		kg
<b>6000 psi</b>											
13	1/2"	350	<b>UFE 6001</b>	<b>S16</b>	M24x1.5	53.2	14	32.0	24	18.7 x 3.55	0.15
19	3/4"	350	<b>UFE 6002</b>	<b>L22</b>	M30x2.0	63.2	14	41.5	32	25.0 x 3.55	0.30
		350		<b>L28</b>	M36x2.0	63.2	14	41.5	32		0.32
		350		<b>S16</b>	M24x1.5	59.2	14	41.5	24		0.25
		350		<b>S20</b>	M30x2.0	61.2	16	41.5	32		0.30
		350		<b>S25</b>	M36x2.0	63.2	18	41.5	32		0.32
		350		<b>S30</b>	M42x2.0	68.0	20	41.5	32		0.37
25	1"	350	<b>UFE 6003</b>	<b>L28</b>	M36x2.0	68.2	14	47.5	36	32.9 x 3.55	0.38
		350		<b>S20</b>	M30x2.0	70.2	16	47.5	32		0.43
		350		<b>S25</b>	M36x2.0	72.2	18	47.5	36		0.44
		350		<b>S30</b>	M42x2.0	74.0	20	47.5	36		0.45
		350		<b>S38</b>	M52x2.0	83.2	22	47.5	36		0.54
32	1 1/4"	350	<b>UFE 6004</b>	<b>S25</b>	M36x2.0	79.2	18	54.0	41	37.7 x 3.55	0.59
		350		<b>S30</b>	M42x2.0	79.2	20	54.0	41		0.64
		315		<b>S38</b>	M52x2.0	83.2	22	54.0	46		0.69
38	1 1/2"	315	<b>UFE 6005</b>	<b>S38</b>	M52x2.0	89.2	22	63.5	46	47.2 x 3.55	0.95



**UFW SAE 法兰用卡套式弯头接管**

UFW Elbowed Bite-type Fitting Heads for SAE Flanges


**订货代号示例:**

通径 DN25 (1"), 3000 psi 系列 SAE 法兰用 UFW 卡套式弯头接管, 管接头规格为 S30, 不锈钢材料 (材料代号 1.4571), 其订货代号为:

**UFW 3003 / S30 / 1.4571**
**Ordering Example:**

The ordering code of stainless steel made (material code 1.4571) S30 UFW elbowed bite-type fitting head for DN25 (1"), 3000 psi SAE flanges should be:

**UFW 3003 / S30 / 1.4571**
**安装尺寸 / Dimensions**

mm

公称规格 Nominal Size		最高工作压力 Max. Pressure	法兰端规格 Flange Size	接管端规格 Fitting Size	尺寸 Dimensions					配用 O 型密封圈 Matched O-Ring	重量 Weight
mm	in.	bar			M	H1	H2	d1	S		kg
<b>3000 psi</b>											
13	1/2"	315	UFW 3001	L15	M22x1.5	39	48	30.0	24	18.7 x 3.55	0.32
		350		S16	M24x1.5	39	48	30.0	24		0.32
19	3/4"	315	UFW 3002	L18	M26x1.5	50	50	38.0	32	25.0 x 3.55	0.39
		160		L22	M30x2.0	50	50	38.0	32		0.41
		350		S20	M30x2.0	50	50	38.0	32		0.41
		350		S25	M36x2.0	50	50	38.0	32		0.45
25	1"	160	UFW 3003	L28	M36x2.0	50	50	44.3	36	32.9 x 3.55	0.44
		350		S25	M36x2.0	50	50	44.3	36		0.45
		350		S30	M42x2.0	50	50	44.3	36		0.49
32	1 1/4"	160	UFW 3004	L35	M45x2.0	55	55	51.0	41	37.7 x 3.55	0.68
		280		S25	M36x2.0	55	55	51.0	41		0.68
		280		S30	M42x2.0	55	55	51.0	41		0.68
		280		S38	M52x2.0	68	65	51.0	46		1.09
38	1 1/2"	160	UFW 3005	L42	M52x2.0	76	87	60.5	46	47.2 x 3.55	1.89
		210		S38	M52x2.0	76	87	60.5	46		1.89
<b>6000 psi</b>											
13	1/2"	350	UFW 6001	S16	M24x1.5	39	48	32.0	24	18.7 x 3.55	0.32
19	3/4"	280	UFW 6002	S16	M24x1.5	50	50	41.5	32	25.0 x 3.55	0.44
		350		S20	M30x2.0	50	50	41.5	32		0.45
		350		S25	M36x2.0	50	50	41.5	32		0.45
25	1"	350	UFW 6003	S25	M36x2.0	60	55	47.5	41	32.9 x 3.55	0.68
		350		S30	M42x2.0	60	55	47.5	41		0.70
32	1 1/4"	350	UFW 6004	S30	M42x2.0	68	65	54.0	46	37.7 x 3.55	1.05
		315		S38	M52x2.0	68	65	54.0	46		1.05
38	1 1/2"	315	UFW 6005	S38	M52x2.0	76	87	63.5	46	47.2 x 3.55	1.89

**SFS 单端焊接式 SAE 法兰组件**

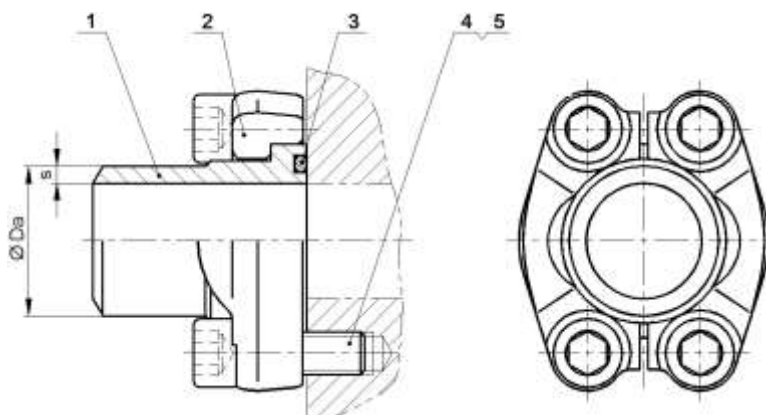
SFS Unilateral Welded SAE Split Flange Kit

**简介**

SFS 单头焊接接管式 SAE 对开法兰组件主要用于通径大于 DN13 (1/2") 的液压系统管道连接, 可用以对液压泵及集成阀块油口的直接连接, 供货范围包含下列零件:

**Introduction**

The SFS unilateral welded SAE split flange kits are mainly used for piping of hydraulic systems with pipe size larger than DN13 (1/2"), can directly be connected to the ports of hydraulic pumps and manifolds. They are composed of following parts:



- 件 1 UFG 型焊接接管, 1 件
- 件 2 FH 型 SAE 对开法兰, 1 对
- 件 3 O 型密封圈, 1 件
- 件 4 螺栓, 4 件
- 件 5 弹簧垫圈, 4 件

- Part 1 1 UFG welding head with O-ring groove
- Part 2 2 FH SAE split flange halves
- Part 3 1 O-ring
- Part 4 4 fixing belts
- Part 5 4 spring washers

**订货代号示例:**

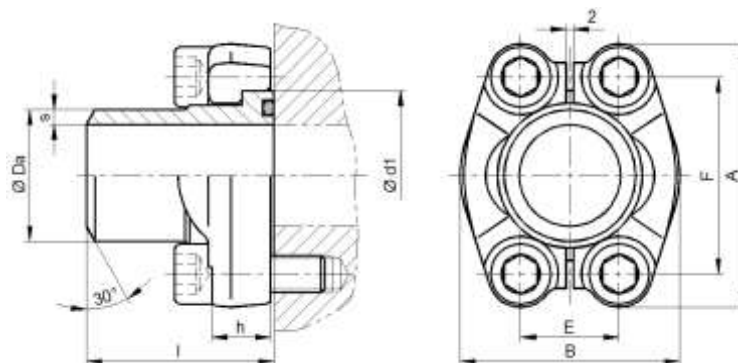
通径 DN25 (1"), 3000 psi 系列的 SFS 型单端焊接接管式 SAE 对开法兰组件, 连接管道的规格为  $\varnothing 30 \times 4$ , 要求不锈钢(材料代号 1.4571) 接管和碳钢法兰, 其订货代号应为:

**SFS 3003 / 30x4 / ST / 1.4571**

**Ordering Example:**

As DN25 (1"), 3000 psi, SFS type unilateral welded SAE flange kits are ordered, the size of the tube being connected is  $\varnothing 30 \times 4$ , and stainless steel (material code 1.4571) welding heads and carbon steel split flanges are requested, the ordering code should be:

**SFS 3003 / 30x4 / ST / 1.4571**

安装尺寸  
Dimensions


\*) 粗体所示接管规格为优先选用规格  
Connecting head sizes shown in bold are preferential

\*\*) 因法兰颈尺寸限制, 3007 接管外径  $Da$  实际为  $\varnothing 73.9$   
Because of the limit of the inner diameter of the flanges, the real dimension of  $Da$  for 3007 connecting head is  $\varnothing 73.9$ .

公称规格 Nominal Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions							O 型密封圈 O-Ring	螺栓规格 Belts	重量 Weight	
mm	in.	bar		A	B	E	F	d1	h	l		M	kg	
<b>3000 psi ISO 6162-1 / SAE J518C-61</b>														
13	1/2"	350	<b>SFS 3001</b>	$Da \times s$	54.1	46.0	17.5	38.1	30.1	13	30	18.7 x 3.55	M8 x 30	0.24
					<b>20x3</b> / 21.3x2.9 / 22x2									
19	3/4"	350	<b>SFS 3002</b>	$Da \times s$	65.6	52.0	22.3	47.6	38.1	14	35	25.0 x 3.55	M10 x 30	0.41
					<b>25x3</b> / 26.9x3.6									
25	1"	350	<b>SFS 3003</b>	$Da \times s$	70.4	59.5	26.2	52.4	44.4	14	40	32.9 x 3.55	M10 x 30	0.50
					<b>30x4</b> / 33.7x3.2 / 35x4									
32	1 1/4"	250	<b>SFS 3004</b>	$Da \times s$	78.7	73.0	30.2	58.7	50.8	16	45	37.7 x 3.55	M10 x 30	0.75
					<b>42.4x3.2</b> / 30.4x4 / 38.3x3 / 38.4x4 / 38.5x5 / 42.4x5									
38	1 1/2"	200	<b>SFS 3005</b>	$Da \times s$	93.9	83.0	35.7	69.9	60.3	16	50	47.2 x 3.55	M12 x 35	1.05
					<b>48.3x3.2</b> / 48.3x4.5 / 42.4x3.2 / 48.3x2.6 / 48.3x3.6 / 48.3x4 / 48.3x5 / 48.3x6.3									
51	2"	200	<b>SFS 3006</b>	$Da \times s$	101.8	97.0	42.9	77.8	71.0	16	60	56.7 x 3.55	M12 x 35	1.44
					<b>60.3x2.9 / 60.3x3.9 / 60.3x5.6</b> / 48.3x3.6 / 60.3x5 / 60.3x6.3									
64	2 1/2"	160	<b>SFS 3007**</b>	$Da \times s$	114.9	109.0	50.8	88.9	84.1	19	65	69.4 x 3.55	M12 x 40	1.90
					<b>76.1x2.9 / 76.1x3.6</b> / 76.1x4 / 76.1x7.1									
76	3"	100	<b>SFS 3008</b>	$Da \times S$	134.4	131.0	61.9	106.4	101.6	21	70	85.3 x 3.55	M16 X 45	3.00
					<b>88.9x3.6</b> / 76.1x3.6 / 76.1x7.1 / 88.9x3.2									
89	3 1/2"	35	<b>SFS 3009</b>	$Da \times s$	152.7	140.0	69.9	120.7	114.3	22	80	98.0 x 3.55	M16 X 50	3.60
					<b>88.9x3.6</b> / 100x6 / 88.9x8 / 114.3x3.6									
102	4"	35	<b>SFS 3010</b>	$Da \times s$	162.2	152.0	77.8	130.2	127.0	24	80	110.7 x 3.55	M16 X 50	4.26
					<b>114x3.6</b> / 88.9x3.6 / 110x6 / 114.3x6									
127	5"	35	<b>SFS 3011</b>	$Da \times s$	184.4	181.0	92.1	152.4	152.4	30	80	136.1 x 3.55	M16 x 50	4.86
					<b>139.7x4</b> / 127x4 / 133x4 / 139.7x10									
<b>6000 psi ISO 6162-2 / SAE J518C-62</b>														
13	1/2"	420	<b>SFS 6001</b>	$Da \times s$	56.5	48.0	18.2	40.5	31.7	16	40	18.7 x 3.55	M8 x 30	0.35
					<b>16x2.5 / 20x3</b> / 21.3x3.5 / 21.3x4.5									
19	3/4"	420	<b>SFS 6002</b>	$Da \times s$	70.8	60.0	23.8	50.8	41.3	19	45	25.0 x 3.55	M10 x 40	0.65
					<b>25x4</b> / 20x3 / 26.9x5.6									
25	1"	420	<b>SFS 6003</b>	$Da \times s$	81.2	70.0	27.8	57.2	47.6	24	50	32.9 x 3.55	M12 x 45	1.05
					<b>30x5</b> / 25x4 / 30x4 / 33.7x7.1 / 38x6									
32	1 1/4"	420	<b>SFS 6004</b>	$Da \times s$	94.6	78.0	31.8	66.6	54.0	27	55	37.7 x 3.55	M14 x 50	1.53
					<b>38x5 / 38x6 / 42.4x8.8</b> / 42.4x2.6 / 42.4x6.3									
38	1 1/2"	350	<b>SFS 6005</b>	$Da \times s$	113.3	95.0	36.5	79.3	63.5	30	60	47.2 x 3.55	M16 x 55	2.47
					<b>38x6 / 48.3x8 / 48.3x8.8</b> / 38x5 / 48.3x6.3 / 48.3x7.1									
51	2"	350	<b>SFS 6006</b>	$Da \times s$	132.8	114.0	44.5	96.8	79.4	37	70	56.7 x 3.55	M20 x 70	4.20
					<b>60.3x10</b> / 48.3x8 / 60.3x8 / 60.3x8.8									
64	2 1/2"	350	<b>SFS 6007</b>	$Da \times s$	180.0	150.2	58.8	123.8	108.9	45	80	69.4 x 3.55	M24 x 80	8.50
					<b>76.1x12.5</b> / 76.1x8 / 76.1x10 / 88.9x14.2									
76	3"	350	<b>SFS 6008</b>	$Da \times s$	215.0	198.2	71.6	152.4	132.5	55	100	85.3 x 3.55	M30 x 90	16.8
					<b>88.9x14.2</b> / 88.9x11 / 114.3x11 / 114.3x17.5									

**DSFS 双头焊接式 SAE 法兰连接组件**

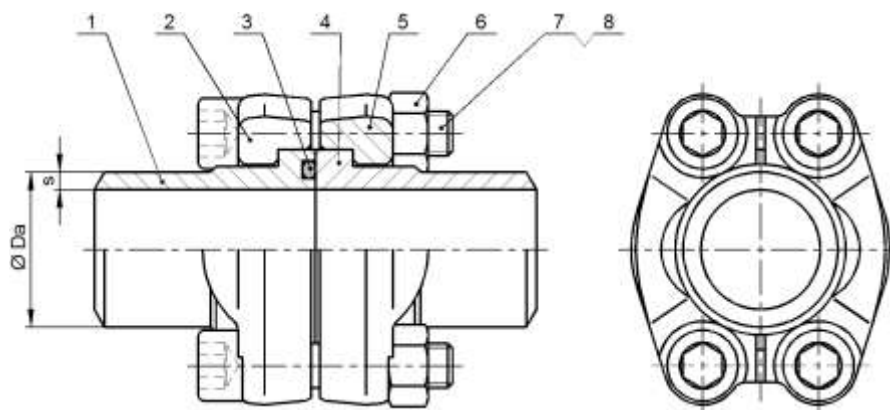
DSFS Double-end Welded SAE Flange Connector Kit

**简介**

DSFS 双头焊接式 SAE 法兰连接组件主要用于通径大于 DN13 (1/2") 的液压系统管道连接，供货范围包含下列零件：

**Introduction**

The DSFS double-end welded SAE flange connector kits are mainly used for piping of hydraulic systems with pipe size larger than DN13 (1/2"). They are composed of following parts:



- 件 1 UFG 型焊接接管, 1 件
- 件 2 FH 型 SAE 对开法兰, 1 对
- 件 3 O 型密封圈, 1 件
- 件 4 UFN 型平焊接接管, 1 件
- 件 5 VF 型 SAE 整体法兰, 1 件
- 件 6 螺母, 4 件
- 件 7 螺栓, 4 件
- 件 8 弹簧垫圈, 4 件

- Part 1 1 UFG welding head with O-ring groove
- Part 2 2 FH SAE split flange halves
- Part 3 1 O-ring
- Part 4 1 UFN welding head without O-ring groove
- Part 5 1 VF SAE flange clamp
- Part 6 4 nuts
- Part 7 4 fixing belts
- Part 8 4 spring washers

**订货代号示例：**

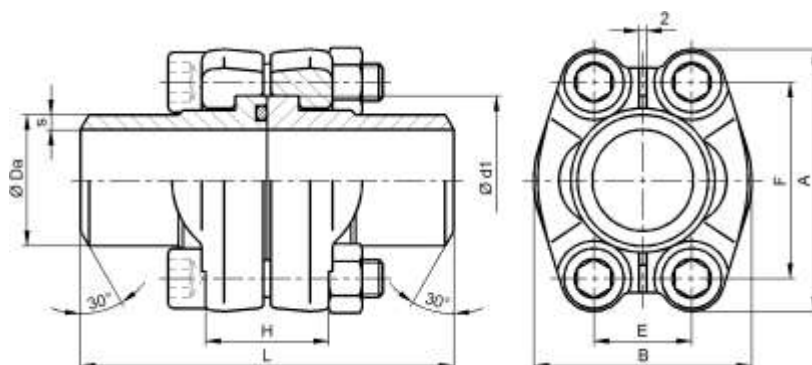
通径 DN25 (1"), 3000 psi 系列的 DSFS 型双头焊接式 SAE 法兰连接组件，连接管道的规格为 Ø30x4，要求不锈钢(材料代号 1.4571) 接管和碳钢法兰，其订货代号应为：

**SFS 3003 / 30x4 / ST / 1.4571**

**Ordering Example:**

As DN25 (1"), 3000 psi, DSFS type double-end welded SAE flange connector kits are ordered, the size of the tube being connected is Ø30x4, and stainless steel (material code 1.4571) welding heads and carbon steel flanges are requested, the ordering code should be:

**SFS 3003 / 30x4 / ST / 1.4571**

安装尺寸  
Dimensions


\*) 粗体所示接管规格为优先选用规格  
Connecting head sizes shown in bold are preferential

\*\*) 因法兰颈部尺寸的限制, 3007 接管外径 Da 实际为  $\varnothing 73.9$   
Because of the limit of the inner diameter of the flanges, the real dimension of Da for 3007 connecting head is  $\varnothing 73.9$ .

公称规格 Nominal Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions								O 型密封圈 O-Ring	螺栓规格 Belts	重量 Weight	
mm	in.	bar		A	B	E	F	d1	H	L		M	kg		
<b>3000 psi ISO 6162-1 / SAE J518C-61</b>															
13	1/2"	350	<b>DSFS 3001</b>	Da x s	54.1	46.0	17.5	38.1	30.1	26	72	18.7 x 3.55	M8 x 40	0.46	
					<b>20x3</b> / 21.3x2.9 / 22x2										
19	3/4"	350	<b>DSFS 3002</b>	Da x s	65.6	52.0	22.3	47.6	38.1	28	72	25.0 x 3.55	M10 x 45	0.78	
					<b>25x3</b> / 26.9x3.6										
25	1"	350	<b>DSFS 3003</b>	Da x s	70.4	59.5	26.2	52.4	44.4	28	76	32.9 x 3.55	M10 x 50	0.98	
					<b>30x4</b> / 33.7x3.2 / 35x4										
32	1 1/4"	250	<b>DSFS 3004</b>	Da x s	78.7	73.0	30.2	58.7	50.8	32	82	37.7 x 3.55	M10 x 50	1.45	
					<b>42.4x3.2</b> / 30.4x4 / 38.3x3 / 38.4x4 / 38.5x5 / 42.4x5										
38	1 1/2"	200	<b>DSFS 3005</b>	Da x s	93.9	83.0	35.7	69.9	60.3	32	90	47.2 x 3.55	M12 x 50	2.05	
					<b>48.3x3.2</b> / 48.3x4.5 / 42.4x3.2 / 48.3x2.6 / 48.3x3.6 / 48.3x4 / 48.3x5 / 48.3x6.3										
51	2"	200	<b>DSFS 3006</b>	Da x s	101.8	97.0	42.9	77.8	71.0	32	90	56.7 x 3.55	M12 x 50	2.84	
					<b>60.3x2.9</b> / <b>60.3x3.9</b> / <b>60.3x5.6</b> / 48.3x3.6 / 60.3x5 / 60.3x6.3										
64	2 1/2"	160	<b>DSFS 3007**</b>	Da x s	114.9	109.0	50.8	88.9	84.1	38	100	69.4 x 3.55	M12 x 55	3.61	
					<b>76.1x2.9</b> / <b>76.1x3.6</b> / 76.1x4 / 76.1x7.1										
76	3"	100	<b>DSFS 3008</b>	Da x s	134.4	131.0	61.9	106.4	101.6	42	100	85.3 x 3.55	M16 X 65	5.70	
					<b>88.9x3.6</b> / 76.1x3.6 / 76.1x7.1 / 88.9x3.2										
89	3 1/2"	35	<b>DSFS 3009</b>	Da x s	152.7	140.0	69.9	120.7	114.3	44	100	98.0 x 3.55	M16 X 70	7.35	
					<b>88.9x3.6</b> / 100x6 / 88.9x8 / 114.3x3.6										
102	4"	35	<b>DSFS 3010</b>	Da x s	162.2	152.0	77.8	130.2	127.0	48	100	110.7 x 3.55	M16 X 75	8.48	
					<b>114x3.6</b> / 88.9x3.6 / 110x6 / 114.3x6										
127	5"	35	<b>DSFS 3011</b>	Da x s	184.4	181.0	92.1	152.4	152.4	60	100	136.1 x 3.55	M16 x 85	9.62	
					<b>139.7x4</b> / 127x4 / 133x4 / 139.7x10										
<b>6000 psi ISO 6162-2 / SAE J518C-62</b>															
13	1/2"	420	<b>DSFS 6001</b>	Da x s	56.5	48.0	18.2	40.5	31.7	32	72	18.7 x 3.55	M8 x 45	0.67	
					<b>16x2.5</b> / <b>20x3</b> / 21.3x3.5 / 21.3x4.5										
19	3/4"	420	<b>DSFS 6002</b>	Da x s	70.8	60.0	23.8	50.8	41.3	38	72	25.0 x 3.55	M10 x 55	1.25	
					<b>25x4</b> / 20x3 / 26.9x5.6										
25	1"	420	<b>DSFS 6003</b>	Da x s	81.2	70.0	27.8	57.2	47.6	48	90	32.9 x 3.55	M12 x 65	2.08	
					<b>30x5</b> / 25x4 / 30x4 / 33.7x7.1 / 38x6										
32	1 1/4"	420	<b>DSFS 6004</b>	Da x s	94.6	78.0	31.8	66.6	54.0	54	90	37.7 x 3.55	M14 x 75	3.10	
					<b>38x5</b> / <b>38x6</b> / <b>42.4x8.8</b> / 42.4x2.6 / 42.4x6.3										
38	1 1/2"	350	<b>DSFS 6005</b>	Da x s	113.3	95.0	36.5	79.3	63.5	60	110	47.2 x 3.55	M16 x 85	4.85	
					<b>38x6</b> / <b>48.3x8</b> / <b>48.3x8.8</b> / 38x5 / 48.3x6.3 / 48.3x7.1										
51	2"	350	<b>DSFS 6006</b>	Da x s	132.8	114.0	44.5	96.8	79.4	74	130	56.7 x 3.55	M20 x 100	8.28	
					<b>60.3x10</b> / 48.3x8 / 60.3x8 / 60.3x8.8										
64	2 1/2"	350	<b>DSFS 6007</b>	Da x s	180.0	150.2	58.8	123.8	108.9	90	160	69.4 x 3.55	M24 x 130	16.5	
					<b>76.1x12.5</b> / 76.1x8 / 76.1x10 / 88.9x14.2										
76	3"	350	<b>DSFS 6008</b>	Da x s	215.0	198.2	71.6	152.4	132.5	110	160	85.3 x 3.55	M30 x 150	32.8	
					<b>88.9x14.2</b> / 88.9x11 / 114.3x11 / 114.3x17.5										

## SAE 法兰系列 / SAE-flange Series

CSFS 单接管双头焊接式 SAE 法兰组件 / CSFS SAE Flange Kit with Single Welding Head



### CSFS 单接管双头焊接式 SAE 法兰组件

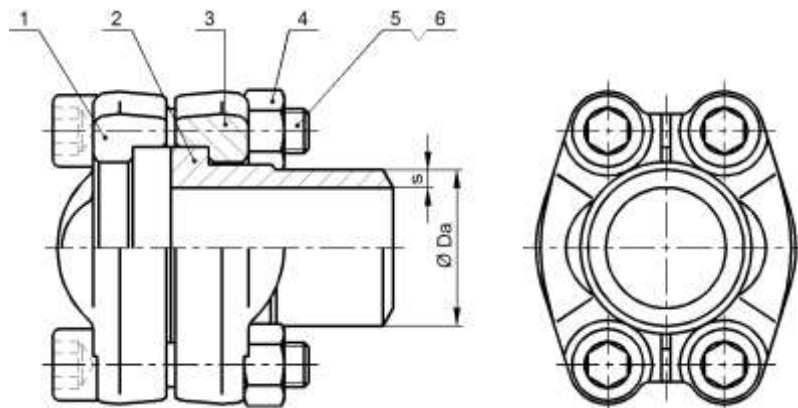
CSFS SAE Flange Kit with Single Welding Head

#### 简介

CSFS 单接管双头焊接式 SAE 法兰组件主要用于通径大于 DN13 (1/2") 的液压系统管道连接, 供货范围包含下列零件:

#### Introduction

The CSFS SAE flange kits with single welding head are mainly used for piping of hydraulic systems with pipe size larger than DN13 (1/2"). They are composed of following parts:



- 件 1 FH 型 SAE 对开法兰, 1 对
- 件 2 UFN 型平焊接接管, 1 件
- 件 3 VF 型 SAE 整体法兰, 1 件
- 件 4 螺母, 4 件
- 件 5 螺栓, 4 件
- 件 6 弹簧垫圈, 4 件

- Part 1 2 FH SAE split flange halves
- Part 2 1 UFN welding head without O-ring groove
- Part 3 1 VF SAE flange clamp
- Part 4 4 nuts
- Part 5 4 fixing bolts
- Part 6 4 spring washers

#### 订货代号示例:

通径 DN25 (1"), 3000 psi 系列的 CSFS 型单接管双头焊接式 SAE 法兰组件, 连接管道的规格为  $\text{Ø}30 \times 4$ , 要求不锈钢 (材料代号 1.4571) 接管和碳钢法兰, 其订货代号应为:

**CSFS 3003 / 30x4 / ST / 1.4571**

#### Ordering Example:

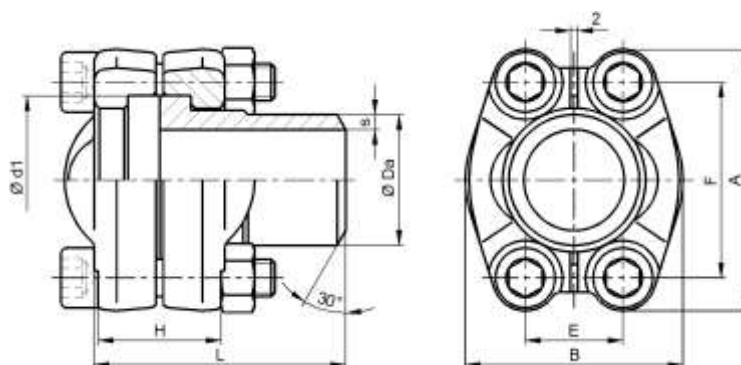
As DN25 (1"), 3000 psi, CSFS type SAE flange kits with single welding head are ordered, the size of the tube being connected is  $\text{Ø}30 \times 4$ , and stainless steel (material code 1.4571) welding heads and carbon steel flanges are requested, the ordering code should be:

**CSFS 3003 / 30x4 / ST / 1.4571**



安装尺寸  
Dimensions

- \*) 粗体所示接管规格为优先选用规格  
Connecting head sizes shown in bold are preferential
- \*\*) 因法兰颈部尺寸的限制, 3007 接管外径 Da 实际为  $\varnothing 73.9$   
Because of the limit of the inner diameter of the flanges, the real dimension of Da for 3007 connecting head is  $\varnothing 73.9$ .



公称规格 Nominal Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions							O 型密封圈 O-Ring	螺栓规格 Belts	重量 Weight
mm	in.	bar		A	B	E	F	d1	H	L		M	kg
<b>3000 psi ISO 6162-1 / SAE J518C-61</b>													
13	1/2"	350	CSFS 3001	54.1	46.0	17.5	38.1	30.1	26	45	18.7 x 3.55	M8 x 40	0.48
				Da x s <b>20x3</b> / 21.3x2.9 / 22x2									
19	3/4"	350	CSFS 3002	65.6	52.0	22.3	47.6	38.1	28	50	25.0 x 3.55	M10 x 45	0.81
				Da x s <b>25x3</b> / 26.9x3.6									
25	1"	350	CSFS 3003	70.4	59.5	26.2	52.4	44.4	28	55	32.9 x 3.55	M10 x 50	1.03
				Da x s <b>30x4</b> / 33.7x3.2 / 35x4									
32	1 1/4"	250	CSFS 3004	78.7	73.0	30.2	58.7	50.8	32	61	37.7 x 3.55	M10 x 50	1.52
				Da x s <b>42.4x3.2</b> / 30.4x4 / 38.3x3 / 38.4x4 / 38.5x5 / 42.4x5									
38	1 1/2"	200	CSFS 3005	93.9	83.0	35.7	69.9	60.3	32	66	47.2 x 3.55	M12 x 50	2.15
				Da x s <b>48.3x3.2</b> / 48.3x4.5 / 42.4x3.2 / 48.3x2.6 / 48.3x3.6 / 48.3x4 / 48.3x5 / 48.3x6.3									
51	2"	200	CSFS 3006	101.8	97.0	42.9	77.8	71.0	32	76	56.7 x 3.55	M12 x 50	2.96
				Da x s <b>60.3x2.9 / 60.3x3.9 / 60.3x5.6</b> / 48.3x3.6 / 60.3x5 / 60.3x6.3									
64	2 1/2"	160	CSFS 3007**	114.9	109.0	50.8	88.9	84.1	38	85	69.4 x 3.55	M12 x 55	3.80
				Da x s <b>76.1x2.9 / 76.1x3.6</b> / 76.1x4 / 76.1x7.1									
76	3"	100	CSFS 3008	134.4	131.0	61.9	106.4	101.6	42	91	85.3 x 3.55	M16 X 65	5.90
				Da x s <b>88.9x3.6</b> / 76.1x3.6 / 76.1x7.1 / 88.9x3.2									
89	3 1/2"	35	CSFS 3009	152.7	140.0	69.9	120.7	114.3	44	102	98.0 x 3.55	M16 X 70	7.62
				Da x s <b>88.9x3.6</b> / 100x6 / 88.9x8 / 114.3x3.6									
102	4"	35	CSFS 3010	162.2	152.0	77.8	130.2	127.0	48	104	110.7 x 3.55	M16 X 75	8.76
				Da x s <b>114x3.6</b> / 88.9x3.6 / 110x6 / 114.3x6									
127	5"	35	CSFS 3011	184.4	181.0	92.1	152.4	152.4	60	110	136.1 x 3.55	M16 x 85	9.82
				Da x s <b>139.7x4</b> / 127x4 / 133x4 / 139.7x10									
<b>6000 psi ISO 6162-2 / SAE J518C-62</b>													
13	1/2"	420	CSFS 6001	56.5	48.0	18.2	40.5	31.7	32	56	18.7 x 3.55	M8 x 45	0.50
				Da x s <b>16x2.5 / 20x3</b> / 21.3x3.5 / 21.3x4.5									
19	3/4"	420	CSFS 6002	70.8	60.0	23.8	50.8	41.3	38	65	25.0 x 3.55	M10 x 55	1.05
				Da x s <b>25x4</b> / 20x3 / 26.9x5.6									
25	1"	420	CSFS 6003	81.2	70.0	27.8	57.2	47.6	48	75	32.9 x 3.55	M12 x 65	1.90
				Da x s <b>30x5</b> / 25x4 / 30x4 / 33.7x7.1 / 38x6									
32	1 1/4"	420	CSFS 6004	94.6	78.0	31.8	66.6	54.0	54	75	37.7 x 3.55	M14 x 75	2.90
				Da x s <b>38x5 / 38x6 / 42.4x8.8</b> / 42.4x2.6 / 42.4x6.3									
38	1 1/2"	350	CSFS 6005	113.3	95.0	36.5	79.3	63.5	60	90	47.2 x 3.55	M16 x 85	4.65
				Da x s <b>38x6 / 48.3x8 / 48.3x8.8</b> / 38x5 / 48.3x6.3 / 48.3x7.1									
51	2"	350	CSFS 6006	132.8	114.0	44.5	96.8	79.4	74	110	56.7 x 3.55	M20 x 100	7.65
				Da x s <b>60.3x10</b> / 48.3x8 / 60.3x8 / 60.3x8.8									
64	2 1/2"	350	CSFS 6007	180.0	150.2	58.8	123.8	108.9	90	125	69.4 x 3.55	M24 x 130	16.35
				Da x s <b>76.1x12.5</b> / 76.1x8 / 76.1x10 / 88.9x14.2									
76	3"	350	CSFS 6008	215.0	198.2	71.6	152.4	132.5	110	155	85.3 x 3.55	M30 x 150	26.50
				Da x s <b>88.9x14.2</b> / 88.9x11 / 114.3x11 / 114.3x17.5									

**DSFSG 焊接式 SAE 闷盖法兰组件**

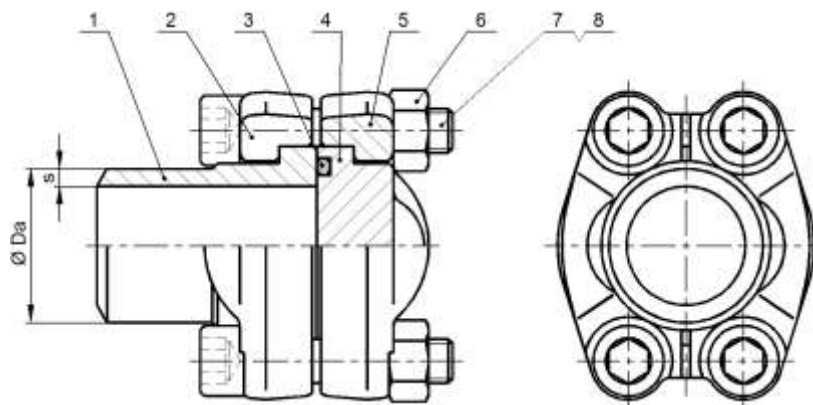
DSFSG Blind SAE Flange Connector Kit

**简介**

DSFSG 焊接式 SAE 闷盖法兰组件主要用于通径大于 DN13 (1/2") 的液压系统管道连接，用以对管道端头进行封堵，供货范围包含下列零件：

**Introduction**

The DSFSG SAE blind flange connector kits are mainly used for piping of hydraulic systems with pipe size larger than DN13 (1/2"), for tube end blocking. They are composed of following parts:



- 件 1 UFN 型平焊接接管, 1 件
- 件 2 FH 型 SAE 对开法兰, 1 对
- 件 3 O 型密封圈, 1 件
- 件 4 UFB 型法兰用闷盖, 1 件
- 件 5 VF 型 SAE 整体法兰, 1 件
- 件 6 螺母, 4 件
- 件 7 螺栓, 4 件
- 件 8 弹簧垫圈, 4 件

- Part 1 1 UFN welding head without O-ring groove
- Part 2 2 FH SAE split flange halves
- Part 3 1 O-ring
- Part 4 1 UFB blind cover without O-ring groove
- Part 5 1 VF SAE flange clamp
- Part 6 4 nuts
- Part 7 4 fixing belts
- Part 8 4 spring washers

**订货代号示例：**

通径 DN25 (1"), 3000 psi 系列的 DSFSG 型焊接式 SAE 闷盖法兰组件，连接管道的规格为 Ø30x4，要求不锈钢（材料代号 1.4571）接管、封盖和碳钢法兰，其订货代号应为：

**DSFSG 3003 / 30x4 / ST / 1.4571**

**Ordering Example:**

As DN25 (1"), 3000 psi, DSFSG type blind SAE flange connector kits are ordered, the size of the tube being connected is Ø30x4, and stainless steel (material code 1.4571) welding heads and blind covers, and carbon steel flanges are requested, the ordering code should be:

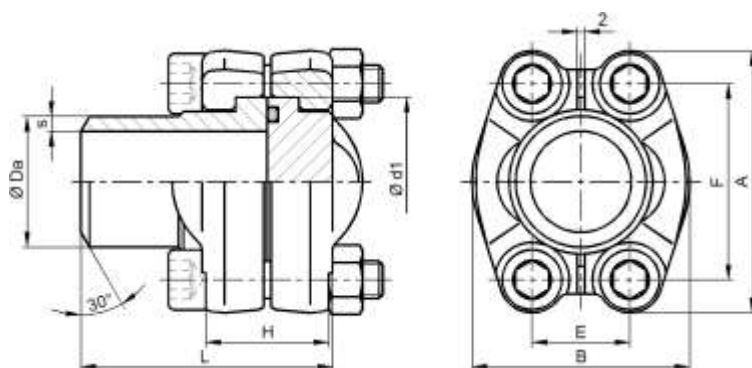
**DSFSG 3003 / 30x4 / ST / 1.4571**



安装尺寸  
Dimensions

\*) 粗体所示接管规格为优先选用规格  
Connecting head sizes shown in bold are preferential

\*\*) 因法兰颈部尺寸的限制, 3007 接管外径 Da 实际为  $\varnothing 73.9$   
Because of the limit of the inner diameter of the flanges, the real dimension of Da for 3007 connecting head is  $\varnothing 73.9$ .



公称规格 Nominal Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions						O 型密封圈 O-Ring	螺栓规格 Belts	重量 Weight		
mm	in.	bar		A	B	E	F	d1	H	L		M	kg	
<b>3000 psi ISO 6162-1 / SAE J518C-61</b>														
13	1/2"	350	<b>DSFSG 3001</b>	Da x s <b>20x3</b> / 21.3x2.9 / 22x2	54.1	46.0	17.5	38.1	30.1	26	45	18.7 x 3.55	M8 x 40	0.48
19	3/4"	350	<b>DSFSG 3002</b>	Da x s <b>25x3</b> / 26.9x3.6	65.6	52.0	22.3	47.6	38.1	28	50	25.0 x 3.55	M10 x 45	0.81
25	1"	350	<b>DSFSG 3003</b>	Da x s <b>30x4</b> / 33.7x3.2 / 35x4	70.4	59.5	26.2	52.4	44.4	28	55	32.9 x 3.55	M10 x 50	1.03
32	1 1/4"	250	<b>DSFSG 3004</b>	Da x s <b>42.4x3.2</b> / 30.4x4 / 38.3x3 / 38.4x4 / 38.5x5 / 42.4x5	78.7	73.0	30.2	58.7	50.8	32	61	37.7 x 3.55	M10 x 50	1.52
38	1 1/2"	200	<b>DSFSG 3005</b>	Da x s <b>48.3x3.2</b> / 48.3x4.5 / 42.4x3.2 / 48.3x2.6 / 48.3x3.6 / 48.3x4 / 48.3x5 / 48.3x6.3	93.9	83.0	35.7	69.9	60.3	32	66	47.2 x 3.55	M12 x 50	2.15
51	2"	200	<b>DSFSG 3006</b>	Da x s <b>60.3x2.9</b> / 60.3x3.9 / 60.3x5.6 / 48.3x3.6 / 60.3x5 / 60.3x6.3	101.8	97.0	42.9	77.8	71.0	32	76	56.7 x 3.55	M12 x 50	2.96
64	2 1/2"	160	<b>DSFSG 3007**</b>	Da x s <b>76.1x2.9</b> / 76.1x3.6 / 76.1x4 / 76.1x7.1	114.9	109.0	50.8	88.9	84.1	38	85	69.4 x 3.55	M12 x 55	3.80
76	3"	100	<b>DSFSG 3008</b>	Da x s <b>88.9x3.6</b> / 76.1x3.6 / 76.1x7.1 / 88.9x3.2	134.4	131.0	61.9	106.4	101.6	42	91	85.3 x 3.55	M16 X 65	5.90
89	3 1/2"	35	<b>DSFSG 3009</b>	Da x s <b>88.9x3.6</b> / 100x6 / 88.9x8 / 114.3x3.6	152.7	140.0	69.9	120.7	114.3	44	102	98.0 x 3.55	M16 X 70	7.62
102	4"	35	<b>DSFSG 3010</b>	Da x s <b>114x3.6</b> / 88.9x3.6 / 110x6 / 114.3x6	162.2	152.0	77.8	130.2	127.0	48	104	110.7 x 3.55	M16 X 75	8.76
127	5"	35	<b>DSFSG 3011</b>	Da x s <b>139.7x4</b> / 127x4 / 133x4 / 139.7x10	184.4	181.0	92.1	152.4	152.4	60	110	136.1 x 3.55	M16 x 85	9.82
<b>6000 psi ISO 6162-2 / SAE J518C-62</b>														
13	1/2"	420	<b>DSFSG 6001</b>	Da x s <b>16x2.5</b> / 20x3 / 21.3x3.5 / 21.3x4.5	56.5	48.0	18.2	40.5	31.7	32	56	18.7 x 3.55	M8 x 45	
19	3/4"	420	<b>DSFSG 6002</b>	Da x s <b>25x4</b> / 20x3 / 26.9x5.6	70.8	60.0	23.8	50.8	41.3	38	65	25.0 x 3.55	M10 x 55	
25	1"	420	<b>DSFSG 6003</b>	Da x s <b>30x5</b> / 25x4 / 30x4 / 33.7x7.1 / 38x6	81.2	70.0	27.8	57.2	47.6	48	75	32.9 x 3.55	M12 x 65	
32	1 1/4"	420	<b>DSFSG 6004</b>	Da x s <b>38x5</b> / 38x6 / 42.4x8.8 / 42.4x2.6 / 42.4x6.3	94.6	78.0	31.8	66.6	54.0	54	75	37.7 x 3.55	M14 x 75	
38	1 1/2"	350	<b>DSFSG 6005</b>	Da x s <b>38x6</b> / 48.3x8 / 48.3x8.8 / 38x5 / 48.3x6.3 / 48.3x7.1	113.3	95.0	36.5	79.3	63.5	60	90	47.2 x 3.55	M16 x 85	
51	2"	350	<b>DSFSG 6006</b>	Da x s <b>60.3x10</b> / 48.3x8 / 60.3x8 / 60.3x8.8	132.8	114.0	44.5	96.8	79.4	74	110	56.7 x 3.55	M20 x 100	
64	2 1/2"	350	<b>DSFSG 6007</b>	Da x s <b>76.1x12.5</b> / 76.1x8 / 76.1x10 / 88.9x14.2	180.0	150.2	58.8	123.8	108.9	90	125	69.4 x 3.55	M24 x 130	
76	3"	350	<b>DSFSG 6008</b>	Da x s <b>88.9x14.2</b> / 88.9x11 / 114.3x11 / 114.3x17.5	215.0	198.2	71.6	152.4	132.5	110	155	85.3 x 3.55	M30 x 150	

**BS SAE 阀盖法兰组件**

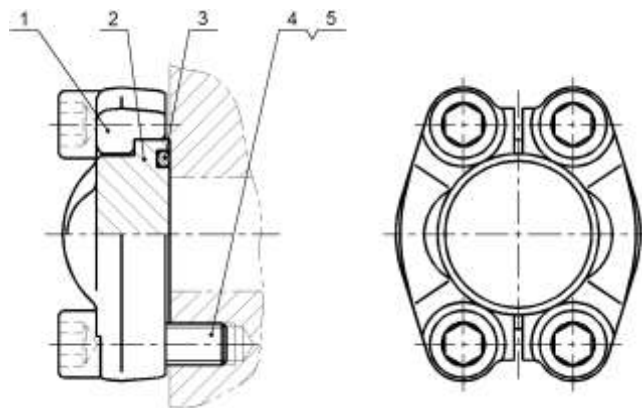
BS Blind SAE Flange Kit

**简介**

BS 型 SAE 封盖法兰组件主要用于通径大于 DN13 (1/2") 的液压系统管道连接，用以对液压泵或集成阀块的油口进行封堵，供货范围包含下列零件：

**Introduction**

The BS series blind SAE flange kits are mainly used for piping of hydraulic systems with pipe size larger than DN13 (1/2"), can be used to block the ports of hydraulic pumps or manifolds They are composed of following parts:



- 件 1 FH 型 SAE 对开法兰, 1 对
- 件 2 UFB SAE 法兰用阀盖, 1 件
- 件 3 O 型密封圈, 1 件
- 件 4 螺栓, 4 件
- 件 8 弹簧垫圈, 4 件

- Part 1 2 FH SAE split flange halves
- Part 2 1 UFB blind cover for SAE flanges
- Part 3 1 O-ring
- Part 4 4 fixing bolts
- Part 5 4 spring washers

**订货代号示例：**

通径 DN25 (1"), 3000 psi 系列的 BS 型 SAE 阀盖法兰组件，要求不锈钢 (材料代号 1.4571) 阀盖和碳钢法兰，其订货代号应为：

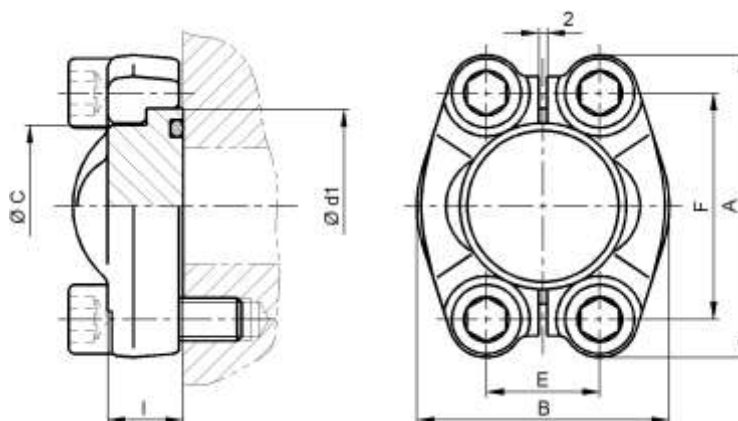
**Ordering Example:**

As DN25 (1"), 3000 psi, BS blind SAE flange kits are ordered, and stainless steel (material code 1.4571) blind cover and carbon steel flanges are requested, the ordering code should be:

**BS 3003 / ST / 1.4571**

**BS 3003 / ST / 1.4571**

安装尺寸  
Dimensions



公称规格 Nominal Size		最高工作压力 Max Pressure	型式代号 Type Code	尺寸 Dimensions							O型密封圈 O-Ring	螺栓规格 Belts	重量 Weight
mm	in.	bar		A	B	E	F	d1	C	I		M	kg
<b>3000 psi ISO 6162-1 / SAE J518C-61</b>													
13	1/2"	350	BS 3001	54.1	46.0	17.5	38.1	30.1	24.0	13	18.7 x 3.55	M8 x 30	0.26
19	3/4"	350	BS 3002	65.6	52.0	22.3	47.6	38.1	32.0	14	25.0 x 3.55	M10 x 30	0.45
25	1"	350	BS 3003	70.4	59.5	26.2	52.4	44.4	38.0	14	32.9 x 3.55	M10 x 30	0.55
32	1 1/4"	250	BS 3004	78.7	73.0	30.2	58.7	50.8	43.0	16	37.7 x 3.55	M10 x 30	0.82
38	1 1/2"	200	BS 3005	93.9	83.0	35.7	69.9	60.3	50.0	16	47.2 x 3.55	M12 x 35	1.15
51	2"	200	BS 3006	101.8	97.0	42.9	77.8	71.0	62.0	16	56.7 x 3.55	M12 x 35	1.55
64	2 1/2"	160	BS 3007	114.9	109.0	50.8	88.9	84.1	74.0	19	69.4 x 3.55	M12 x 40	2.08
76	3"	100	BS 3008	134.4	131.0	61.9	106.4	101.6	90.0	21	85.3 x 3.55	M16 X 45	3.20
89	3 1/2"	35	BS 3009	152.7	140.0	69.9	120.7	114.3	102.0	22	98.0 x 3.55	M16 X 50	3.90
102	4"	35	BS 3010	162.2	152.0	77.8	130.2	127.0	114.3	24	110.7 x 3.55	M16 X 50	4.50
127	5"	35	BS 3011	184.4	181.0	92.1	152.4	152.4	140.0	30	136.1 x 3.55	M16 x 50	5.10
<b>6000 psi ISO 6162-2 / SAE J518C-62</b>													
13	1/2"	420	BS 6001	56.5	48.0	18.2	40.5	31.7	24.0	16	18.7 x 3.55	M8 x 30	0.36
19	3/4"	420	BS 6002	70.8	60.0	23.8	50.8	41.3	32.0	19	25.0 x 3.55	M10 x 40	0.68
25	1"	420	BS 6003	81.2	70.0	27.8	57.2	47.6	38.0	24	32.9 x 3.55	M12 x 45	1.10
32	1 1/4"	420	BS 6004	94.6	78.0	31.8	66.6	54.0	44.0	27	37.7 x 3.55	M14 x 50	1.60
38	1 1/2"	350	BS 6005	113.3	95.0	36.5	79.3	63.5	51.0	30	47.2 x 3.55	M16 x 55	2.62
51	2"	350	BS 6006	132.8	114.0	44.5	96.8	79.4	67.0	37	56.7 x 3.55	M20 x 70	4.46
64	2 1/2"	350	BS 6007	180.0	150.2	58.8	123.8	108.9	90.0	45	69.4 x 3.55	M24 x 80	
76	3"	350	BS 6008	215.0	198.2	71.6	152.4	132.5	102.0	55	85.3 x 3.55	M30 x 90	

## SAE 法兰系列 / SAE-flange Series

BSO SAE 平闷盖法兰组件 / BSO Blind SAE Flange Kit, without O-Ring Groove



### BSO SAE 平闷盖法兰组件

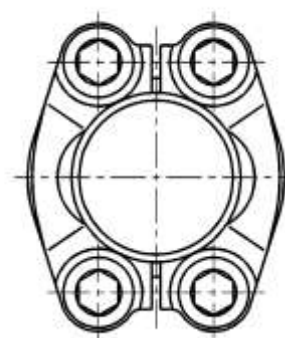
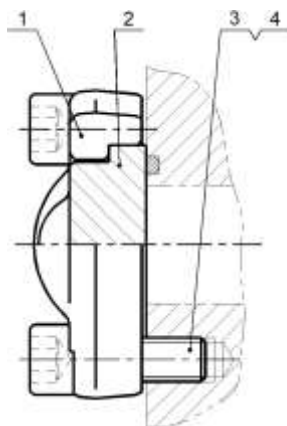
BSO Blind SAE Flange Kit, without O-Ring Groove

#### 简介

BSO 型 SAE 封盖法兰组件主要用于通径大于 DN13 (1/2") 的液压系统管道连接，用以对液压泵或集成阀块的油口进行封堵，供货范围包含下列零件：

#### Introduction

The BSO series blind SAE flange kits are mainly used for piping of hydraulic systems with pipe size larger than DN13 (1/2"), can be used to block the ports of hydraulic pumps or manifolds They are composed of following parts:



- 件 1 FH 型 SAE 对开法兰, 1 对
- 件 2 UFBN SAE 法兰用平闷盖, 1 件
- 件 3 O 型密封圈, 1 件
- 件 4 螺栓, 4 件
- 件 8 弹簧垫圈, 4 件

- Part 1 2 FH SAE split flange halves
- Part 2 1 UFBN blind cover without O-ring groove for SAE flanges
- Part 3 1 O-ring
- Part 4 4 fixing belts
- Part 5 4 spring washers

#### 订货代号示例：

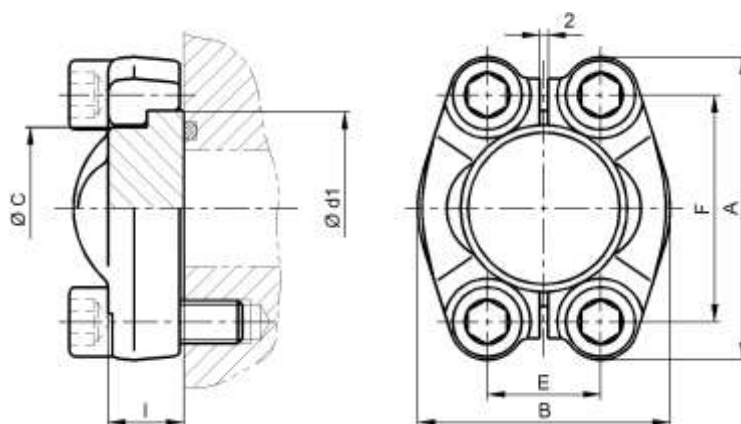
通径 DN25 (1"), 3000 psi 系列的 BSO 型 SAE 平闷盖法兰组件，要求不锈钢 (材料代号 1.4571) 闷盖和碳钢法兰，其订货代号应为：

#### Ordering Example:

As DN25 (1"), 3000 psi, BSO blind SAE flange kits are ordered, and stainless steel (material code 1.4571) blind cover and carbon steel flanges are requested, the ordering code should be:

**BSO 3003 / ST / 1.4571**

**BSO 3003 / ST / 1.4571**

**安装尺寸**  
 Dimensions


公称规格 Nominal Size		最高工作压力 Max Pressure	型式代号 Type Code	尺寸 Dimensions							O 型密封圈 O-Ring	螺栓规格 Belts	重量 Weight
mm	in.	bar		A	B	E	F	d1	C	I		M	kg
<b>3000 psi ISO 6162-1 / SAE J518C-61</b>													
13	1/2"	350	<b>BSO 3001</b>	54.1	46.0	17.5	38.1	30.1	24.0	13	18.7 x 3.55	M8 x 30	0.26
19	3/4"	350	<b>BSO 3002</b>	65.6	52.0	22.3	47.6	38.1	32.0	14	25.0 x 3.55	M10 x 30	0.45
25	1"	350	<b>BSO 3003</b>	70.4	59.5	26.2	52.4	44.4	38.0	14	32.9 x 3.55	M10 x 30	0.55
32	1 1/4"	250	<b>BSO 3004</b>	78.7	73.0	30.2	58.7	50.8	43.0	16	37.7 x 3.55	M10 x 30	0.82
38	1 1/2"	200	<b>BSO 3005</b>	93.9	83.0	35.7	69.9	60.3	50.0	16	47.2 x 3.55	M12 x 35	1.15
51	2"	200	<b>BSO 3006</b>	101.8	97.0	42.9	77.8	71.0	62.0	16	56.7 x 3.55	M12 x 35	1.55
64	2 1/2"	160	<b>BSO 3007</b>	114.9	109.0	50.8	88.9	84.1	74.0	19	69.4 x 3.55	M12 x 40	2.08
76	3"	100	<b>BSO 3008</b>	134.4	131.0	61.9	106.4	101.6	90.0	21	85.3 x 3.55	M16 X 45	3.20
89	3 1/2"	35	<b>BSO 3009</b>	152.7	140.0	69.9	120.7	114.3	102.0	22	98.0 x 3.55	M16 X 50	3.90
102	4"	35	<b>BSO 3010</b>	162.2	152.0	77.8	130.2	127.0	114.3	24	110.7 x 3.55	M16 X 50	4.50
127	5"	35	<b>BSO 3011</b>	184.4	181.0	92.1	152.4	152.4	140.0	30	136.1 x 3.55	M16 x 50	5.10
<b>6000 psi ISO 6162-2 / SAE J518C-62</b>													
13	1/2"	420	<b>BSO 6001</b>	56.5	48.0	18.2	40.5	31.7	24.0	16	18.7 x 3.55	M8 x 30	0.36
19	3/4"	420	<b>BSO 6002</b>	70.8	60.0	23.8	50.8	41.3	32.0	19	25.0 x 3.55	M10 x 40	0.68
25	1"	420	<b>BSO 6003</b>	81.2	70.0	27.8	57.2	47.6	38.0	24	32.9 x 3.55	M12 x 45	1.10
32	1 1/4"	420	<b>BSO 6004</b>	94.6	78.0	31.8	66.6	54.0	44.0	27	37.7 x 3.55	M14 x 50	1.60
38	1 1/2"	350	<b>BSO 6005</b>	113.3	95.0	36.5	79.3	63.5	51.0	30	47.2 x 3.55	M16 x 55	2.62
51	2"	350	<b>BSO 6006</b>	132.8	114.0	44.5	96.8	79.4	67.0	37	56.7 x 3.55	M20 x 70	4.46
64	2 1/2"	350	<b>BSO 6007</b>	180.0	150.2	58.8	123.8	108.9	90.0	45	69.4 x 3.55	M24 x 80	
76	3"	350	<b>BSO 6008</b>	215.0	198.2	71.6	152.4	132.5	102.0	55	85.3 x 3.55	M30 x 90	

**GSFS 单头焊接式 SAE 法兰组件 (平接管, 带螺栓)**

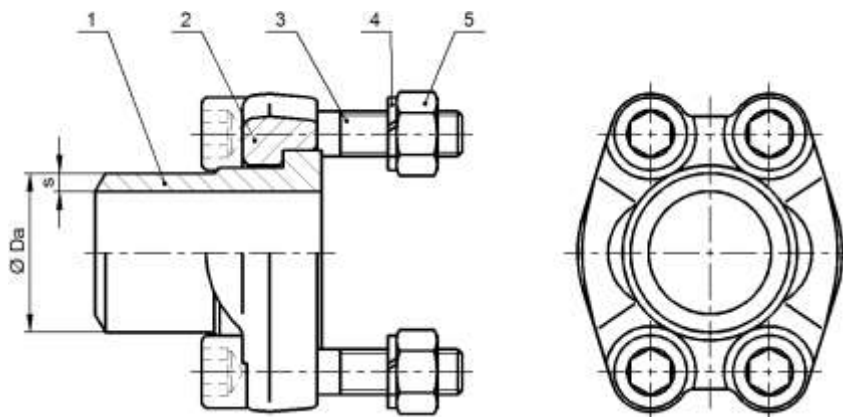
GSFS Single-end Weled SAE Flange Connector Kit

**简介**

GSFS 单头焊接式 SAE 法兰组件主要用于通径大于 DN13 (1/2") 的液压系统管道连接, 供货范围包含下列零件:

**Introduction**

The CSFS The GSFS series single-end welded SAE flange connector kits are mainly used for piping of hydraulic systems with pipe size larger than DN13 (1/2"). They are composed of following parts:



- 件 1 UFN 型平焊接接管, 1 件
- 件 2 VF 型 SAE 整体法兰, 1 件
- 件 3 螺栓, 4 件
- 件 4 弹簧垫圈, 4 件
- 件 5 螺母, 4 件

- Part 1 1 UFN welding head without O-ring groove
- Part 2 1 VF SAE flange clamp
- Part 3 4 fixing belts
- Part 4 4 spring washers
- Part 5 4 nuts

**订货代号示例:**

通径 DN25 (1"), 3000 psi 系列的 GSFS 型单头焊接式 SAE 法兰组件, 连接管道的规格为 Ø30x4, 要求不锈钢 (材料代号 1.4571) 接管和碳钢法兰, 其订货代号应为:

**GSFS 3003 / 30x4 / ST / 1.4571**

**Ordering Example:**

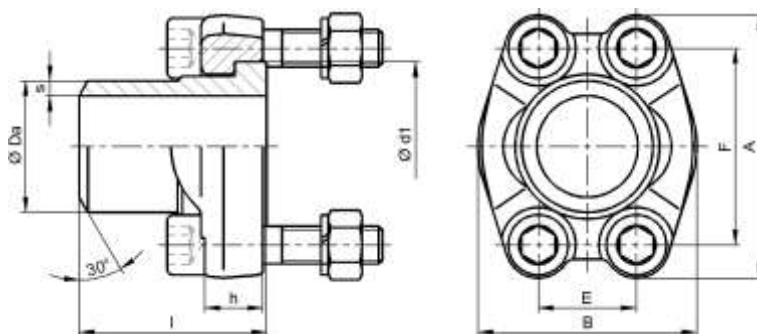
As DN25 (1"), 3000 psi series GSFS type single-end welded SAE flange connector kits are ordered, the size of the tube being connected is Ø30x4, and stainless steel (material code 1.4571) welding heads and carbon steel flanges are requested, the ordering code should be:

**GSFS 3003 / 30x4 / ST / 1.4571**



**安装尺寸**  
 Dimensions

- \*) 粗体所示接管规格为优先选用规格  
 Connecting head sizes shown in bold are preferential
- \*\*) 因法兰颈部尺寸的限制, 3007 接管外径 Da 实际为  $\varnothing 73.9$   
 Because of the limit of the inner diameter of the flanges, the real dimension of Da for 3007 connecting head is  $\varnothing 73.9$ .



公称规格 Nominal Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions						O 型密封圈 O-Ring	螺栓规格 Belts	重量 Weight	
mm	in.	bar		A	B	E	F	d1	h	l		M	kg
<b>3000 psi ISO 6162-1 / SAE J518C-61</b>													
13	1/2"	350	<b>GSFS 3001</b>	54.1	46.0	17.5	38.1	30.1	13	30	18.7 x 3.55	M8 x 40	0.28
				Da x s <b>20x3</b> / 21.3x2.9 / 22x2									
19	3/4"	350	<b>GSFS 3002</b>	65.6	52.0	22.3	47.6	38.1	14	35	25.0 x 3.55	M10 x 45	0.48
				Da x s <b>25x3</b> / 26.9x3.6									
25	1"	350	<b>GSFS 3003</b>	70.4	59.5	26.2	52.4	44.4	14	40	32.9 x 3.55	M10 x 50	0.58
				Da x s <b>30x4</b> / 33.7x3.2 / 35x4									
32	1 1/4"	250	<b>GSFS 3004</b>	78.7	73.0	30.2	58.7	50.8	16	45	37.7 x 3.55	M10 x 50	0.85
				Da x s <b>42.4x3.2</b> / 30.4x4 / 38.3x3 / 38.4x4 / 38.5x5 / 42.4x5									
38	1 1/2"	200	<b>GSFS 3005</b>	93.9	83.0	35.7	69.9	60.3	16	50	47.2 x 3.55	M12 x 50	1.18
				Da x s <b>48.3x3.2</b> / 48.3x4.5 / 42.4x3.2 / 48.3x2.6 / 48.3x3.6 / 48.3x4 / 48.3x5 / 48.3x6.3									
51	2"	200	<b>GSFS 3006</b>	101.8	97.0	42.9	77.8	71.0	16	60	56.7 x 3.55	M12 x 50	1.58
				Da x s <b>60.3x2.9 / 60.3x3.9 / 60.3x5.6</b> / 48.3x3.6 / 60.3x5 / 60.3x6.3									
64	2 1/2"	160	<b>GSFS 3007**</b>	114.9	109.0	50.8	88.9	84.1	19	65	69.4 x 3.55	M12 x 55	3.24
				Da x s <b>76.1x2.9 / 76.1x3.6</b> / 76.1x4 / 76.1x7.1									
76	3"	100	<b>GSFS 3008</b>	134.4	131.0	61.9	106.4	101.6	21	70	85.3 x 3.55	M16 X 65	3.25
				Da x S <b>88.9x3.6</b> / 76.1x3.6 / 76.1x7.1 / 88.9x3.2									
89	3 1/2"	35	<b>GSFS 3009</b>	152.7	140.0	69.9	120.7	114.3	22	80	98.0 x 3.55	M16 X 70	2.96
				Da x s <b>88.9x3.6</b> / 100x6 / 88.9x8 / 114.3x3.6									
102	4"	35	<b>GSFS 3010</b>	162.2	152.0	77.8	130.2	127.0	24	80	110.7 x 3.55	M16 X 75	4.60
				Da x s <b>114x3.6</b> / 88.9x3.6 / 110x6 / 114.3x6									
127	5"	35	<b>GSFS 3011</b>	184.4	181.0	92.1	152.4	152.4	30	80	136.1 x 3.55	M16 x 85	5.25
				Da x s <b>139.7x4</b> / 127x4 / 133x4 / 139.7x10									
<b>6000 psi ISO 6162-2 / SAE J518C-62</b>													
13	1/2"	420	<b>GSFS 6001</b>	56.5	48.0	18.2	40.5	31.7	16	40	18.7 x 3.55	M8 x 45	0.38
				Da x s <b>16x2.5 / 20x3</b> / 21.3x3.5 / 21.3x4.5									
19	3/4"	420	<b>GSFS 6002</b>	70.8	60.0	23.8	50.8	41.3	19	45	25.0 x 3.55	M10 x 55	0.72
				Da x s <b>25x4</b> / 20x3 / 26.9x5.6									
25	1"	420	<b>GSFS 6003</b>	81.2	70.0	27.8	57.2	47.6	24	50	32.9 x 3.55	M12 x 65	1.15
				Da x s <b>30x5</b> / 25x4 / 30x4 / 33.7x7.1 / 38x6									
32	1 1/4"	420	<b>GSFS 6004</b>	94.6	78.0	31.8	66.6	54.0	27	55	37.7 x 3.55	M14 x 75	1.66
				Da x s <b>38x5 / 38x6 / 42.4x8.8</b> / 42.4x2.6 / 42.4x6.3									
38	1 1/2"	350	<b>GSFS 6005</b>	113.3	95.0	36.5	79.3	63.5	30	60	47.2 x 3.55	M16 x 85	2.68
				Da x s <b>38x6 / 48.3x8 / 48.3x8.8</b> / 38x5 / 48.3x6.3 / 48.3x7.1									
51	2"	350	<b>GSFS 6006</b>	132.8	114.0	44.5	96.8	79.4	37	70	56.7 x 3.55	M20 x 100	4.52
				Da x s <b>60.3x10</b> / 48.3x8 / 60.3x8 / 60.3x8.8									
64	2 1/2"	350	<b>GSFS 6007</b>	180.0	150.2	58.8	123.8	108.9	45	80	69.4 x 3.55	M24 x 130	
				Da x s <b>76.1x12.5</b> / 76.1x8 / 76.1x10 / 88.9x14.2									
76	3"	350	<b>GSFS 6008</b>	215.0	198.2	71.6	152.4	132.5	55	100	85.3 x 3.55	M30 x 150	
				Da x s <b>88.9x14.2</b> / 88.9x11 / 114.3x11 / 114.3x17.5									

## SAE 法兰系列 / SAE-flange Series

AFS 单端焊接式带螺孔 SAE 法兰组件 / AFS Single-end Welded SAE Tapped Flange Kit

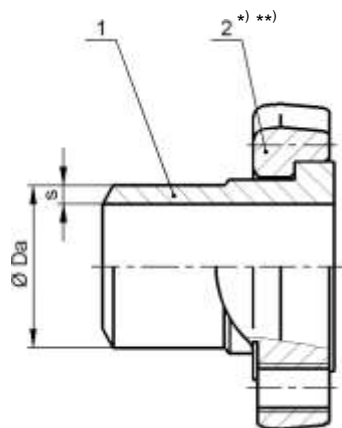


### AFS 单端焊接式带螺孔 SAE 法兰组件

AFS Single-end Welded SAE Tapped Flange Kit

#### 简介

AFS 单端焊接式带螺孔 SAE 法兰组件主要用于通径大于 DN13 (1/2") 的液压系统管道连接，供货范围包含下列零件：



件 1 AFN 型平焊接接管, 1 件

件 2 VFM 带螺孔 SAE 整体法兰, 1 件

\*) 对于 89-3 和 64-6 以上规格, 用 VF 整体法兰替代

\*\*) 若要求采用不锈钢材料(1.4571), 则以 VF 型整体法兰替代

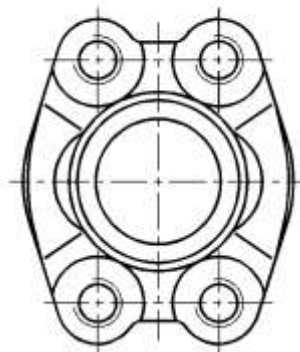
#### 订货代号示例:

通径 DN25 (1"), 3000 psi 系列的 AFS 型单端焊接式带螺孔 SAE 法兰组件, 连接管道的规格为 Ø30x4, 要求不锈钢 (材料代号 1.4571) 接管和碳钢法兰, 其订货代号应为:

**AFS 3003 / 30x4 / ST / 1.4571**

#### Introduction

The AFS series single-end welded SAE tapped flange kits are mainly used for piping of hydraulic systems with pipe size larger than DN13 (1/2"), They are composed of following parts:



Part 1 1 AFN welding head without O-ring groove

Part 2 1 VFM SAE flange clamp with tapped holes

\*) As the size is larger than 89-3 or 64-6, VF type flanges will be used instead

\*\*) If stainless steel (1.4571) is required, use VF type flanges instead.

#### Ordering Example:

As DN25 (1"), 3000 psi series AFS type single-end welded SAE tapped flange kits are ordered, the size of the tube being connected is Ø30x4, and stainless steel (material code 1.4571) welding heads and carbon steel flanges are requested, the ordering code should be:

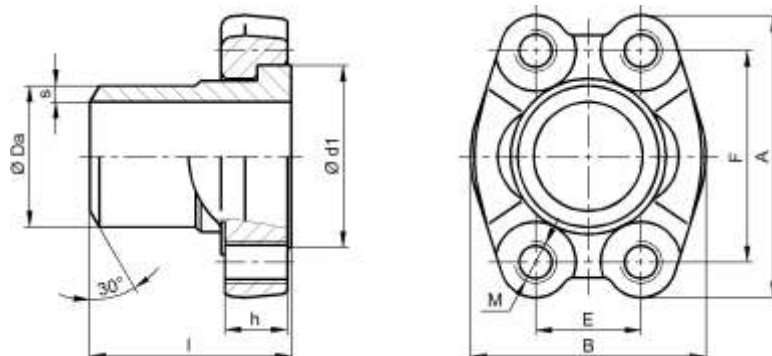
**AFS 3003 / 30x4 / ST / 1.4571**



**安装尺寸**  
 Dimensions

\*) 粗体所示接管规格为优先选用规格  
 Connecting head sizes shown in bold are preferential

\*\*) 因法兰颈部尺寸的限制, 3007 规格接管外径 Da 实际为 Ø73.9  
 Because of the limit of the inner diameter of the flanges, the real dimension of Da for 64-3 connecting head is Ø73.9.



公称规格 Nominal Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions							O 型密封圈 O-Ring	螺纹 Thread	重量 Weight	
mm	in.	bar		A	B	E	F	d1	h	l		M	kg	
<b>3000 psi ISO 6162-1 / SAE J518C-61</b>														
13	1/2"	350	<b>AFS 3001</b>	54.1	46.0	17.5	38.1	30.1	13	36		M8	0.22	
Da x s				<b>20x3</b> / 21.3x2.6 / 22x2										
19	3/4"	350	<b>AFS 3002</b>	65.6	52.0	22.3	47.6	38.1	14	36		M10	0.38	
Da x s				<b>25x3</b> / 26.9x2.6										
25	1"	350	<b>AFS 3003</b>	70.4	59.5	26.2	52.4	44.4	14	38		M10	0.48	
Da x s				<b>30x4</b> / 33.7x3.2 / 35x4										
32	1 1/4"	250	<b>AFS 3004</b>	78.7	73.0	30.2	58.7	50.8	16	41		M10	0.70	
Da x s				<b>42.4x3.2</b> / 38.4x4 / 42.4x5										
38	1 1/2"	200	<b>AFS 3005</b>	93.9	83.0	35.7	69.9	60.3	16	45		M12	1.00	
Da x s				<b>48.3x3.2</b> / 42.4x3.2 / 38x4.0										
51	2"	200	<b>AFS 3006</b>	101.8	97.0	42.9	77.8	71.0	16	45		M12	1.40	
Da x s				<b>60.3x5.6</b> / 42.4x3.2 / 42x3.0										
64	2 1/2"	160	<b>AFS 3007**</b>	114.9	109.0	50.8	88.9	84.1	19	50		M12	1.77	
Da x s				<b>76.1x3.6</b> / 76.1x7.1										
76	3"	100	<b>AFS 3008</b>	134.4	131.0	61.9	106.4	101.6	21	50		M16	2.82	
Da x S				<b>88.9x3.6</b> / 76.1x3.6 / 76.1x7.1										
89	3 1/2"	35	<b>AFS 3009</b>	152.7	140.0	69.9	120.7	114.3	22	50		M16	3.63	
Da x s				<b>88.9x3.6</b> / 76.1x3.6 / 114.3x3.6										
102	4"	35	<b>AFS 3010</b>	162.2	152.0	77.8	130.2	127.0	24	50		M16	4.20	
Da x s				<b>114x3.6</b> / 88.9x3.6 / 76.1x3.6										
127	5"	35	<b>AFS 3011</b>	184.4	181.0	92.1	152.4	152.4	30	50		M16	4.76	
Da x s				<b>139.7x4</b>										
<b>6000 psi ISO 6162-2 / SAE J518C-62</b>														
13	1/2"	420	<b>AFS 6001</b>	56.5	48.0	18.2	40.5	31.7	16	36		M8	0.32	
Da x s				<b>16x2.5 / 20x3</b> / 21.3x4.5										
19	3/4"	420	<b>AFS 6002</b>	70.8	60.0	23.8	50.8	41.3	19	36		M10	0.60	
Da x s				<b>25x4</b> / 20x3 / 26.9x5.6										
25	1"	420	<b>AFS 6003</b>	81.2	70.0	27.8	57.2	47.6	24	45		M12	1.00	
Da x s				<b>30x4</b> / 25x4 / 33.7x7.1										
32	1 1/4"	420	<b>AFS 6004</b>	94.6	78.0	31.8	66.6	54.0	27	45		M14	1.51	
Da x s				<b>38x5 / 42.4x8.8</b> / 30x4										
38	1 1/2"	350	<b>AFS 6005</b>	113.3	95.0	36.5	79.3	63.5	30	55		M16	2.38	
Da x s				<b>48.3x8.8</b> / 38x5 / 48.3x7.1										
51	2"	350	<b>AFS 6006</b>	132.8	114.0	44.5	96.8	79.4	37	65		M20	4.08	
Da x s				<b>60.3x10</b> / 60.3x8 / 60.3x8.8										
64	2 1/2"	350	<b>AFS 6007</b>	180.0	150.2	58.8	123.8	108.9	45	80		M24		
Da x s				<b>76.1x12.5</b> / 76.1x10 / 88.9x14.2										
76	3"	350	<b>AFS 6008</b>	215.0	198.2	71.6	152.4	132.5	55	80		M30		
Da x s				<b>88.9x14.2</b> / 114.3x11 / 114.3x17.5										

## SAE 法兰系列 / SAE-flange Series

AFSA 单端焊接式 SAE 整体法兰组件 / AFSA Single-end Welded SAE Unitary Flange Kit



### AFSA 单端焊接式 SAE 整体法兰组件

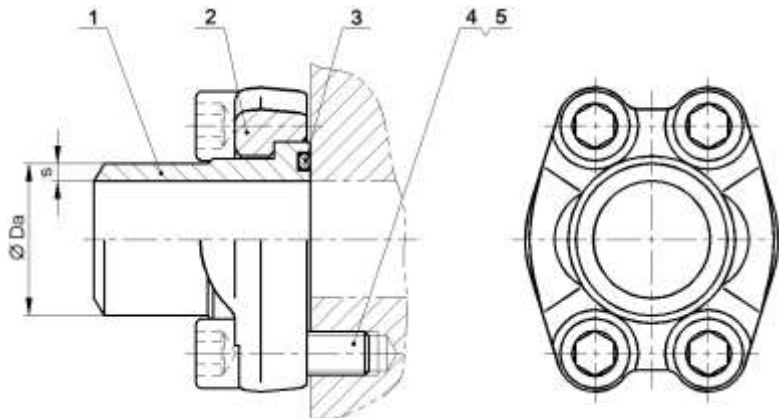
AFSA Single-end Welded SAE Unitary Flange Kit

#### 简介

AFSA 单端焊接式 SAE 整体法兰组件主要用于通径大于 DN13 (1/2") 的液压系统管道连接, 供货范围包含下列零件:

#### Introduction

The AFSA unilateral welded SAE monolithic flange kits are mainly used for piping of hydraulic systems with pipe size larger than DN13 (1/2"). They are composed of following parts:



- 件 1 AFG 型焊接接管, 1 件
- 件 2 VF 型 SAE 整体法兰, 1 件
- 件 3 O 型密封圈, 1 件
- 件 4 螺栓, 4 件
- 件 5 弹簧垫圈, 4 件

- Part 1 1 AFG welding head for SAE-flanges
- Part 2 1 VF SAE flange clamp
- Part 3 1 O-ring
- Part 4 4 fixing belts
- Part 5 4 spring washers

#### 订货代号示例:

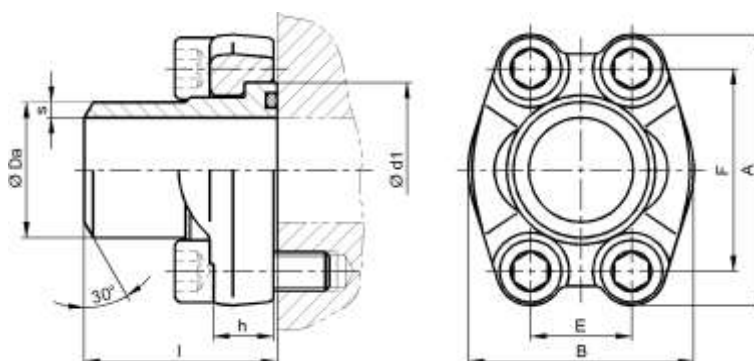
通径 DN25 (1"), 3000 psi 系列的 AFSA 型单端焊接式 SAE 整体法兰组件, 连接管道的规格为  $\varnothing 30 \times 4$ , 要求不锈钢 (材料代号 1.4571) 接管和碳钢法兰, 其订货代号应为:

**AFSA 3003 / 30x4 / ST / 1.4571**

#### Ordering Example:

As DN25 (1"), 3000 psi series AFSA type unilateral welded SAE monolithic flange kits are ordered, the size of the tube being connected is  $\varnothing 30 \times 4$ , and stainless steel (material code 1.4571) welding heads and carbon steel flanges are requested, the ordering code should be:

**AFSA 3003 / 30x4 / ST / 1.4571**

安装尺寸  
Dimensions


\*) 粗体所示接管规格为优先选用规格  
Connecting head sizes shown in bold are preferential

\*\*\*) 因法兰颈部尺寸的限制, 3007 规格接管外径 Da 实际为  $\varnothing 73.9$

Because of the limit of the inner diameter of the flanges, the real dimension of Da for 64-3 connecting head is  $\varnothing 73.9$ .

mm

公称规格 Nominal Size		最高工作压力 Max Pressure	型式代号 Type Code	尺寸 Dimensions							O 型密封圈 O-Ring	螺纹 Thread	重量 Weight	
mm	in.	bar		A	B	E	F	d1	h	l		M	kg	
<b>3000 psi ISO 6162-1 / SAE J518C-61</b>														
13	1/2"	350	<b>AFSA 3001</b>	Da x s	54.1	46.0	17.5	38.1	30.1	13	36	18.7 x 3.55	M8 x 30	0.24
					<b>20x3 / 21.3x2.6 / 22x2</b>									
19	3/4"	350	<b>AFSA 3002</b>	Da x s	65.6	52.0	22.3	47.6	38.1	14	36	25.0 x 3.55	M10 x 30	0.40
					<b>25x3 / 26.9x2.6</b>									
25	1"	350	<b>AFSA 3003</b>	Da x s	70.4	59.5	26.2	52.4	44.4	14	38	32.9 x 3.55	M10 x 35	0.50
					<b>30x4 / 33.7x3.2 / 35x4</b>									
32	1 1/4"	250	<b>AFSA 3004</b>	Da x s	78.7	73.0	30.2	58.7	50.8	16	41	37.7 x 3.55	M10 x 40	0.75
					<b>42.4x3.2 / 38.4x4 / 42.4x5</b>									
38	1 1/2"	200	<b>AFSA 3005</b>	Da x s	93.9	83.0	35.7	69.9	60.3	16	45	47.2 x 3.55	M12 x 45	1.05
					<b>48.3x3.2 / 42.4x3.2 / 38x4.0</b>									
51	2"	200	<b>AFSA 3006</b>	Da x s	101.8	97.0	42.9	77.8	71.0	16	45	56.7 x 3.55	M12 x 45	1.44
					<b>60.3x5.6 / 42.4x3.2 / 42x3.0</b>									
64	2 1/2"	160	<b>AFSA 3007**</b>	Da x s	114.9	109.0	50.8	88.9	84.1	19	50	69.4 x 3.55	M12 x 45	1.84
					<b>76.1x3.6 / 76.1x7.1</b>									
76	3"	100	<b>AFSA 3008</b>	Da x S	134.4	131.0	61.9	106.4	101.6	21	50	85.3 x 3.55	M16 x 50	2.88
					<b>88.9x3.6 / 76.1x3.6 / 76.1x7.1</b>									
89	3 1/2"	35	<b>AFSA 3009</b>	Da x s	152.7	140.0	69.9	120.7	114.3	22	50	98.0 x 3.55	M16 x 50	3.73
					<b>88.9x3.6 / 76.1x3.6 / 114.3x3.6</b>									
102	4"	35	<b>AFSA 3010</b>	Da x s	162.2	152.0	77.8	130.2	127.0	24	50	110.7 x 3.55	M16 x 50	4.28
					<b>114x3.6 / 88.9x3.6 / 76.1x3.6</b>									
127	5"	35	<b>AFSA 3011</b>	Da x s	184.4	181.0	92.1	152.4	152.4	30	50	136.1 x 3.55	M16 x 65	4.86
					<b>139.7x4</b>									
<b>6000 psi ISO 6162-2 / SAE J518C-62</b>														
13	1/2"	420	<b>AFSA 6001</b>	Da x s	56.5	48.0	18.2	40.5	31.7	16	36	18.7 x 3.55	M8 x 30	0.35
					<b>16x2.5 / 20x3 / 21.3x4.5</b>									
19	3/4"	420	<b>AFSA 6002</b>	Da x s	70.8	60.0	23.8	50.8	41.3	19	36	25.0 x 3.55	M10 x 40	0.65
					<b>25x4 / 20x3 / 26.9x5.6</b>									
25	1"	420	<b>AFSA 6003</b>	Da x s	81.2	70.0	27.8	57.2	47.6	24	45	32.9 x 3.55	M12 x 45	1.08
					<b>30x4 / 25x4 / 33.7x7.1</b>									
32	1 1/4"	420	<b>AFSA 6004</b>	Da x s	94.6	78.0	31.8	66.6	54.0	27	45	37.7 x 3.55	M14 x 50	1.59
					<b>38x5 / 42.4x8.8 / 30x4</b>									
38	1 1/2"	350	<b>AFSA 6005</b>	Da x s	113.3	95.0	36.5	79.3	63.5	30	55	47.2 x 3.55	M16 x 55	2.47
					<b>48.3x8.8 / 38x5 / 48.3x7.1</b>									
51	2"	350	<b>AFSA 6006</b>	Da x s	132.8	114.0	44.5	96.8	79.4	37	65	56.7 x 3.55	M20 x 65	4.20
					<b>60.3x10 / 60.3x8 / 60.3x8.8</b>									
64	2 1/2"	350	<b>AFSA 6007</b>	Da x s	180.0	150.2	58.8	123.8	108.9	45	80	69.4 x 3.55	M24 x 130	
					<b>76.1x12.5 / 76.1x10 / 88.9x14.2</b>									
76	3"	350	<b>AFSA 6008</b>	Da x s	215.0	198.2	71.6	152.4	132.5	55	80	85.3 x 3.55	M30 x 150	
					<b>88.9x14.2 / 114.3x11 / 114.3x17.5</b>									

## SAE 法兰系列 / SAE-flange Series

AFS/AFSA 双头焊接式 SAE 整体法兰组件 / AFS/AFSA Double-end Welded SAE Unitary Flange Kit



### AFS / AFSA 双头焊接式 SAE 整体法兰组件

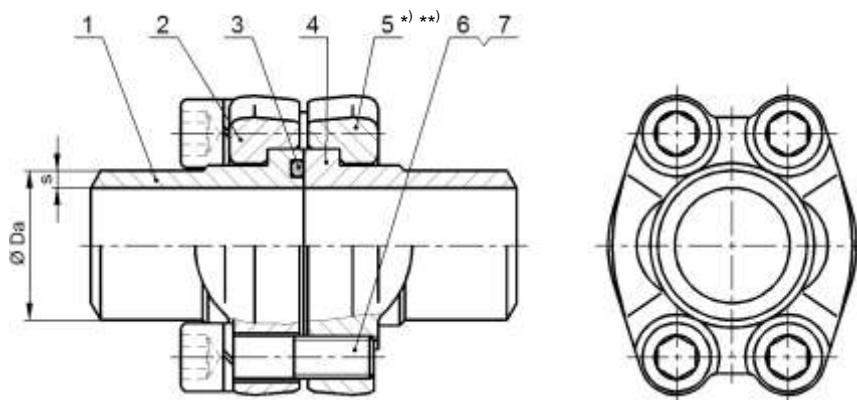
AFS / AFSA Double-end Welded SAE Unitary Flange Kit

#### 简介

AFS/AFSA 双头焊接式 SAE 整体法兰组件主要用于通径大于 DN13 (1/2") 的液压系统管道连接, 供货范围包含下列零件:

#### Introduction

The AFS/AFSA double-end welded SAE Unitary flange kits are mainly used for piping of hydraulic systems with pipe size larger than DN13 (1/2"). They are composed of following parts:



- 件 1 AFG 型焊接接管, 1 件
- 件 2 VF 型 SAE 整体法兰, 1 件
- 件 3 O 型密封圈, 1 件
- 件 4 AFN 型平焊接接管, 1 件
- 件 5 VFM 带螺孔 SAE 整体法兰, 1 件

\*) 对于 89-3 和 64-6 以上规格, 用 VF 整体法兰替代

\*\*) 若要求采用不锈钢材料(1.4571), 则以 VF 型整体法兰替代

- 件 6 螺栓, 4 件
- 件 7 弹簧垫圈, 4 件

- Part 1 1 AFG welding head for SAE-flanges
- Part 2 1 VF SAE Unitary flange clamp
- Part 3 1 O-ring
- Part 4 1 AFN welding head without O-ring groove
- Part 5 1 VFM SAE flange clamp with tapped holes

\*) As the size is larger than 89-3 or 64-6, VF type flanges will be used instead

\*\*) If stainless steel (1.4571) is required, use VF type flanges instead.

- Part 6 4 fixing belts
- Part 7 4 spring washers

#### 订货代号示例:

通径 DN25 (1"), 3000 psi 系列的 ASF/AFSA 型双头焊接式 SAE 整体法兰组件, 连接管道的规格为  $\text{Ø}30 \times 4$ , 要求不锈钢 (材料代号 1.4571) 接管和碳钢法兰, 其订货代号应为:

**AFS/AFSA 3003 / 30x4 / ST / 1.4571**

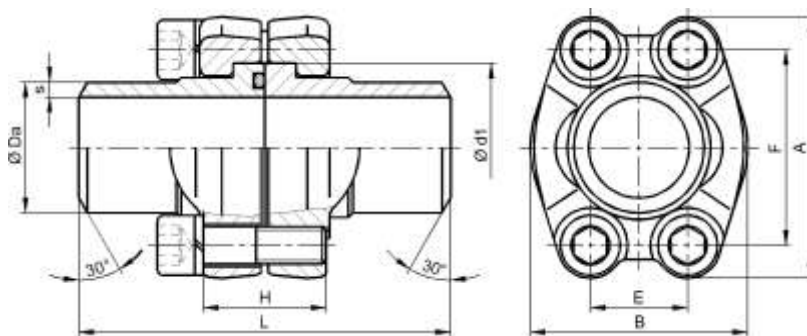
#### Ordering Example:

As DN25 (1"), 3000 psi series AFS/AFSA type double-end welded SAE unitary flange kits are ordered, the size of the tube being connected is  $\text{Ø}30 \times 4$ , and stainless steel (material code 1.4571) welding heads and carbon steel flanges are requested, the ordering code should be:

**AFS/AFSA 3003 / 30x4 / ST / 1.4571**

## AFS/AFSA 安装尺寸

## AFS/AFSA Dimensions



\*) 粗体所示接管规格为优先选用规格  
Connecting head sizes shown in bold are preferential

\*\*) 因法兰颈部尺寸的限制, 3007 接管外径 Da 实际为  $\varnothing 73.9$   
Because of the limit of the inner diameter of the flanges, the real dimension of Da for 64-3 connecting head is  $\varnothing 73.9$ .

mm

公称规格 Nominal Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions							O 型密封圈 O-Ring	螺栓规格 Belts	重量 Weight
mm	in.	bar		A	B	E	F	d1	H	L		M	kg
<b>3000 psi</b>			<b>ISO 6162-1 / SAE J518C-61</b>										
13	1/2"	350	<b>AFS / AFSA 3001</b>	54.1	46.0	17.5	38.1	30.1	26	72	18.7 x 3.55	M8 x 30	0.46
				Da x s <b>20x3</b> / 21.3x2.6 / 22x2									
19	3/4"	350	<b>AFS / AFSA 3002</b>	65.6	52.0	22.3	47.6	38.1	28	72	25.0 x 3.55	M10 x 30	0.78
				Da x s <b>25x3</b> / 26.9x3.6									
25	1"	350	<b>AFS / AFSA 3003</b>	70.4	59.5	26.2	52.4	44.4	28	76	32.9 x 3.55	M10 x 35	0.98
				Da x s <b>30x4</b> / 33.7x3.2 / 35x4									
32	1 1/4"	250	<b>AFS / AFSA 3004</b>	78.7	73.0	30.2	58.7	50.8	32	82	37.7 x 3.55	M10 x 40	1.45
				Da x s <b>42.4x3.2</b> / 38.4x4 / 42.4x5									
38	1 1/2"	200	<b>AFS / AFSA 3005</b>	93.9	83.0	35.7	69.9	60.3	32	90	47.2 x 3.55	M12 x 45	2.05
				Da x s <b>48.3x3.2</b> / 42.4x3.2 / 38x4									
51	2"	200	<b>AFS / AFSA 3006</b>	101.8	97.0	42.9	77.8	71.0	32	90	56.7 x 3.55	M12 x 45	2.84
				Da x s <b>60.3x5.6</b> / 42.4x3.2 / 42x3.0									
64	2 1/2"	160	<b>AFS / AFSA 3007**</b>	114.9	109.0	50.8	88.9	84.1	38	100	69.4 x 3.55	M12 x 45	3.61
				Da x s <b>76.1x3.6</b> / 76.1x7.1									
76	3"	100	<b>AFS / AFSA 3008</b>	134.4	131.0	61.9	106.4	101.6	42	100	85.3 x 3.55	M16 X 50	5.70
				Da x s <b>88.9x3.6</b> / 76.1x3.6 / 76.1x7.1									
89	3 1/2"	35	<b>AFS / AFSA 3009</b>	152.7	140.0	69.9	120.7	114.3	44	100	98.0 x 3.55	M16 X 50	7.35
				Da x s <b>88.9x3.6</b> / 76.1x3.6 / 114.3x3.6									
102	4"	35	<b>AFS / AFSA 3010</b>	162.2	152.0	77.8	130.2	127.0	48	100	110.7 x 3.55	M16 X 50	8.48
				Da x s <b>114.3x3.6</b> / 88.9x3.6 / 76.1x3.6									
127	5"	35	<b>AFS / AFSA 3011</b>	184.4	181.0	92.1	152.4	152.4	60	100	136.1 x 3.55	M16 x 65	9.62
				Da x s <b>139.7x4</b>									
<b>6000 psi</b>			<b>ISO 6162-2 / SAE J518C-62</b>										
13	1/2"	420	<b>AFS / AFSA 6001</b>	56.5	48.0	18.2	40.5	31.7	32	72	18.7 x 3.55	M8 x 30	0.67
				Da x s <b>16x2.5 / 20x3</b> / 21.3x4.5									
19	3/4"	420	<b>AFS / AFSA 6002</b>	70.8	60.0	23.8	50.8	41.3	38	72	25.0 x 3.55	M10 x 40	1.25
				Da x s <b>25x4</b> / 20x3 / 26.9x5.6									
25	1"	420	<b>AFS / AFSA 6003</b>	81.2	70.0	27.8	57.2	47.6	48	90	32.9 x 3.55	M12 x 45	2.08
				Da x s <b>30x4</b> / 25x4 / 30x4 / 33.7x7.1									
32	1 1/4"	420	<b>AFS / AFSA 6004</b>	94.6	78.0	31.8	66.6	54.0	54	90	37.7 x 3.55	M14 x 50	3.10
				Da x s <b>38x5 / 42.4x8.8</b> / 30x4									
38	1 1/2"	350	<b>AFS / AFSA 6005</b>	113.3	95.0	36.5	79.3	63.5	60	110	47.2 x 3.55	M16 x 55	4.85
				Da x s <b>48.3x8.8</b> / 38x5 / 48.3x7.1									
51	2"	350	<b>AFS / AFSA 6006</b>	132.8	114.0	44.5	96.8	79.4	74	130	56.7 x 3.55	M20 x 70	8.28
				Da x s <b>60.3x10</b> / 60.3x8 / 60.3x8.8									
64	2 1/2"	350	<b>AFS / AFSA 6007</b>	180.0	150.2	58.8	123.8	108.9	90	160	69.4 x 3.55	M24 x 130	16.5
				Da x s <b>76.1x12.5</b> / 76.1x10 / 88.9x14.2									
76	3"	350	<b>AFS / AFSA 6008</b>	215.0	198.2	71.6	152.4	132.5	110	160	85.3 x 3.55	M30 x 150	32.8
				Da x s <b>88.9x14.2</b> / 114.3x11 / 114.3x17.5									

## SAE 法兰系列 / SAE-flange Series

SFCE 卡套接管 SAE 法兰组件 / SFCE SAE Flange Kit with Bite-type Fitting Head



### SFCE 卡套接管 SAE 法兰组件

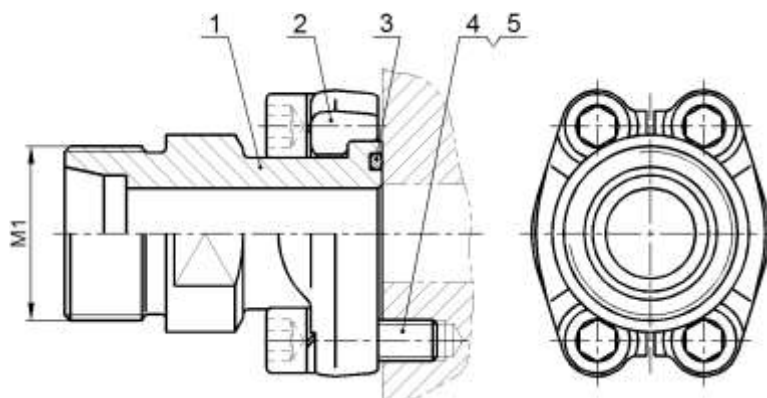
SFCE SAE Flange Kit with Bite-type Fitting Head

#### 简介

SFCE 卡套接管式 SAE 法兰组件主要用于通径 DN13 (1/2") 至 DN38 (1 1/2") 的液压系统管道连接, 可将法兰油口的连接转换为卡套式管接头连接, 供货范围包含下列零件:

#### Introduction

The SFCE SAE flange kits are mainly used for piping of hydraulic systems with pipe size from DN13 (1/2") to DN38 (1 1/2"). Using them, you can transfer the port connection from flange style to fitting style. They are composed of following parts:



- 件 1 UFE 卡套式接管, 1 件
- 件 2 FH 型 SAE 对开法兰, 1 对
- 件 3 O 型密封圈, 1 件
- 件 4 螺栓, 4 件
- 件 5 弹簧垫圈, 4 件

- Part 1 1 UFE bite-type fitting head
- Part 2 2 FH SAE split flange halves
- Part 3 1 O-ring
- Part 4 4 fixing bolts
- Part 5 4 spring washers

#### 订货代号示例:

通径 DN25 (1"), 3000 psi 系列的 SFCE 型卡套接管式 SAE 法兰组件, 接管规格为 S30, 并要求不锈钢 (材料代号 1.4571) 制卡套式接管和碳钢法兰, 其订货代号应为:

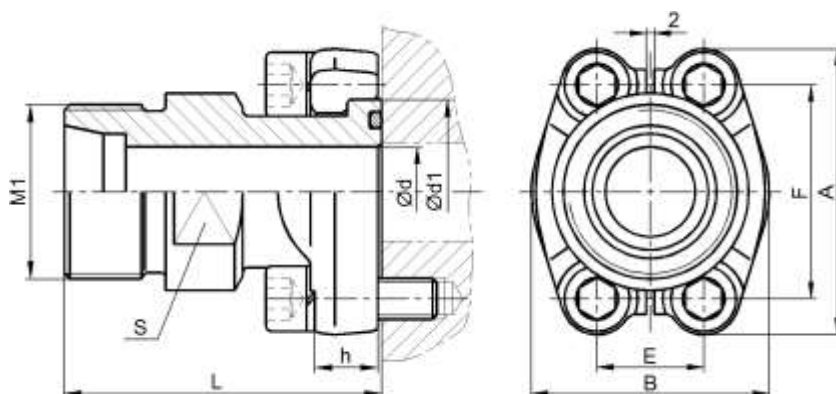
#### Ordering Example:

As DN25 (1"), 3000 psi series SFCE type SAE flange kits with S30 size fitting heads are ordered, and stainless steel (material code 1.4571) made fitting heads and carbon steel split flanges are requested, the ordering code should be:

**SFCE 3003 / S30 / ST / 1.4571**

**SFCE 3003 / S30 / ST / 1.4571**



SFCE 安装尺寸  
 SFCE Dimensions


mm

公称规格 Nom. Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions										O型密封圈 O-Ring	螺栓规格 Belts	重量 Weight
DN	SAE	bar		M1	d	d1	A	B	E	F	h	L	S		M	kg
<b>3000 psi ISO 6162-1 / SAE J518C-61</b>																
13	1/2"	315	SFCE 3001/L15	M22x1.5	16	30.1	54.1	46.0	17.5	38.1	13	48.2	24	18.7x3.55	M8 x 30	0.29
13	1/2"	350	SFCE 3001/S16	M24x1.5	13	30.1	54.1	46.0	17.5	38.1	13	50.2	24	18.7x3.55	M8 x 30	0.32
19	3/4"	315	SFCE 3002/L18	M26x2	15	38.1	65.6	52.0	22.3	47.6	14	53.2	30	25.0x3.55	M10 x 30	0.55
19	3/4"	160	SFCE 3002/L22	M30x2	19	38.1	65.6	52.0	22.3	47.6	14	53.2	30	25.0x3.55	M10 x 30	0.56
19	3/4"	160	SFCE 3002/L28	M36x2	19	38.1	65.6	52.0	22.3	47.6	14	53.2	30	25.0x3.55	M10 x 30	0.75
19	3/4"	350	SFCE 3002/S20	M30x2	16	38.1	65.6	52.0	22.3	47.6	14	57.2	30	25.0x3.55	M10 x 30	0.63
19	3/4"	350	SFCE 3002/S25	M36x2	17	38.1	65.6	52.0	22.3	47.6	14	57.2	30	25.0 x 3.55	M10 x 30	0.76
25	1"	160	SFCE 3003/L28	M36x2	24	44.4	70.4	59.5	26.2	52.4	14	54.2	36	32.9 x 3.55	M10 x 30	0.69
25	1"	350	SFCE 3003/S25	M36x2	20	44.4	70.4	59.5	26.2	52.4	14	58.2	36	32.9 x 3.55	M10 x 30	0.78
25	1"	350	SFCE 3003/S30	M42x2	24	44.4	70.4	59.5	26.2	52.4	14	63.2	36	32.9 x 3.55	M10 x 30	0.91
32	1 1/4"	160	SFCE 3004/L28	M36x2	22	50.8	78.7	73.0	30.2	58.7	16	58.6	36	37.7 x 3.55	M10 x 30	1.05
32	1 1/4"	160	SFCE 3004/L35	M45x2	30	50.8	78.7	73.0	30.2	58.7	16	58.2	41	37.7 x 3.55	M10 x 30	1.10
32	1 1/4"	280	SFCE 3004/S25	M36x2	20	50.8	78.7	73.0	30.2	58.7	16	60.2	41	37.7 x 3.55	M10 x 30	1.17
32	1 1/4"	280	SFCE 3004/S30	M42x2	25	50.8	78.7	73.0	30.2	58.7	16	62.2	41	37.7 x 3.55	M10 x 30	1.19
32	1 1/4"	280	SFCE 3004/S38	M52x2	28	50.8	78.7	73.0	30.2	58.7	16	66.6	46	37.7 x 3.55	M10 x 30	1.39
38	1 1/2"	160	SFCE 3005/L42	M52x2	36	60.3	93.9	83.0	35.7	69.9	16	64.2	46	47.2 x 3.55	M12 x 35	1.34
38	1 1/2"	210	SFCE 3005/S38	M52x2	32	60.3	93.9	83.0	35.7	69.9	16	70.2	46	47.2 x 3.55	M12 x 35	1.50
<b>6000 psi ISO 6162-2 / SAE J518C-62</b>																
13	1/2"	350	SFCE 6001/S16	M24x1.5	12	31.7	56.5	48.0	18.2	40.5	16	53.2	24	18.7 x 3.55	M8 x 30	0.46
19	3/4"	350	SFCE 6002/S16	M24x1.5	12	41.3	70.8	60.0	23.8	50.8	19	59.2	30	25.0 x 3.55	M10 x 40	0.78
19	3/4"	350	SFCE 6002/S20	M30x2	16	41.3	70.8	60.0	23.8	50.8	19	61.2	30	25.0 x 3.55	M10 x 40	0.84
19	3/4"	350	SFCE 6002/S25	M36x2	17	41.3	70.8	60.0	23.8	50.8	19	63.2	30	25.0 x 3.55	M10 x 40	0.96
19	3/4"	350	SFCE 6002/S30	M42x2	18	41.3	70.8	60.0	23.8	50.8	19	64.0	36	25.0 x 3.55	M10 x 40	1.20
25	1"	350	SFCE 6003/S25	M36x2	20	47.6	81.2	70.0	27.8	57.2	24	72.2	41	32.9 x 3.55	M12 x 45	1.42
25	1"	350	SFCE 6003/S30	M42x2	24	47.6	81.2	70.0	27.8	57.2	24	74.0	41	32.9 x 3.55	M12 x 45	1.52
32	1 1/4"	350	SFCE 6004/S30	M42x2	25	54.0	94.6	78.0	31.8	66.6	27	79.2	41	37.7 x 3.55	M14 x 50	1.93
32	1 1/4"	315	SFCE 6004/S38	M52x2	28	54.0	94.6	78.0	31.8	66.6	27	83.2	46	37.7 x 3.55	M14 x 50	2.08
38	1 1/2"	315	SFCE 6005/S38	M52x2	30	63.5	113.3	95.0	36.5	79.3	30	89.2	46	47.2 x 3.55	M16 x 55	3.03

**WFG 直角弯头卡套接管 SAE 法兰组件**

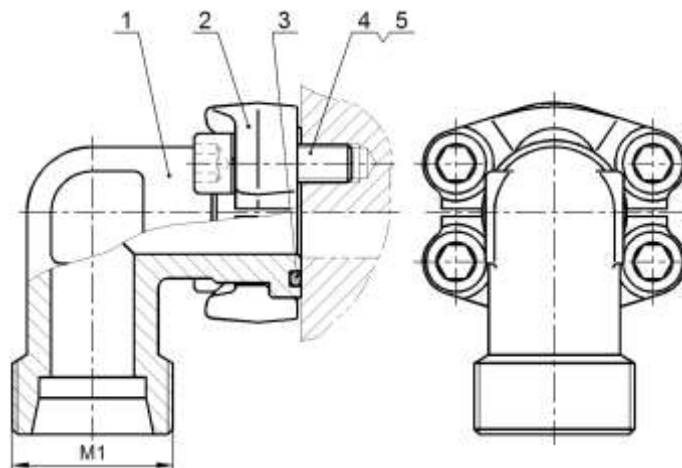
WFG SAE Flange Kit, with Elbowed Bite-type Fitting Head

**简介**

WFG 直角弯头卡套接管 SAE 法兰组件主要用于通径为 DN13 (1/2") 至 DN38 (1 1/2") 的液压系统管道连接, 可将法兰油口的连接转换为卡套式管接头连接, 供货范围包含下列零件:

**Introduction**

The WFG SAE flange kits are mainly used for piping of hydraulic systems with pipe size from DN13 (1/2") to DN38 (1 1/2"). Using them, you can transfer the port connection from flange style to fitting style. They are composed of following parts:



- 件 1 UFW 卡套式弯头接管, 1 件
- 件 2 FH 型 SAE 对开法兰, 1 对
- 件 3 O 型密封圈, 1 件
- 件 4 螺栓, 4 件
- 件 5 弹簧垫圈, 4 件

- Part 1 1 UFW elbowed bite-type fitting head
- Part 2 2 FH SAE split flange halves
- Part 3 1 O-ring
- Part 4 4 fixing bolts
- Part 5 4 spring washers

**订货代号示例:**

通径 DN25 (1"), 3000 psi 系列的 WFG 型卡套弯头接管式 SAE 法兰组件, 接管规格为 S30, 并要求不锈钢 (材料代号 1.4571) 制卡套式弯头接管和碳钢法兰, 其订货代号应为:

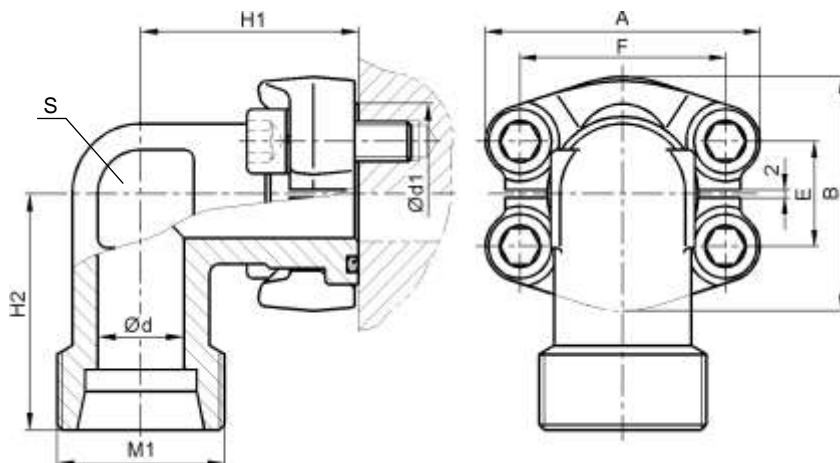
**Ordering Example:**

As DN25 (1"), 3000 psi series WFG type SAE flange kits with S30 size fitting heads are ordered, and stainless steel (material code 1.4571) made fitting heads and carbon steel split flanges are requested, the ordering code should be:

**WFG 3003 / S30 / ST / 1.4571**

**WFG 3003 / S30 / ST / 1.4571**



**WFG 安装尺寸**  
 WFG Dimensions


mm

公称规格 Nom. Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions										O型密封圈 O-Ring	螺栓规格 Belts	重量 Weight
DN	SAE	bar		M1	d	d1	A	B	E	F	H1	H2	S		M	kg
<b>3000 psi ISO 6162-1 / SAE J518C-61</b>																
13	1/2"	315	WFG 3001/L15	M22x1.5	16	30.0	54.1	46.0	17.5	38.1	39	48	24	18.7 x 3.55	M8 x 30	0.57
		350	WFG 3001/S16	M24x1.5	13	30.0	54.1	46.0	17.5	38.1	39	48	24	18.7 x 3.55	M8 x 30	0.57
19	3/4"	315	WFG 3002/L18	M26x2	15	38.0	65.6	52.0	22.3	47.6	50	50	32	25.0 x 3.55	M10 x 30	0.68
		160	WFG 3002/L22	M30x2	19	38.0	65.6	52.0	22.3	47.6	50	50	32	25.0 x 3.55	M10 x 30	0.72
		350	WFG 3002/S20	M30x2	16	38.0	65.6	52.0	22.3	47.6	50	50	32	25.0 x 3.55	M10 x 30	0.75
		350	WFG 3002/S25	M36x2	17	38.0	65.6	52.0	22.3	47.6	50	50	32	25.0 x 3.55	M10 x 30	0.78
25	1"	160	WFG 3003/L28	M36x2	24	44.3	70.4	59.5	26.2	52.4	50	50	36	32.9 x 3.55	M10 x 30	0.80
		350	WFG 3003/S25	M36x2	20	44.3	70.4	59.5	26.2	52.4	50	50	36	32.9 x 3.55	M10 x 30	0.82
		350	WFG 3003/S30	M42x2	24	44.3	70.4	59.5	26.2	52.4	50	50	36	32.9 x 3.55	M10 x 30	0.85
32	1 1/4"	160	WFG 3004/L35	M45x2	30	50.7	78.7	73.0	30.2	58.7	55	55	41	37.7 x 3.55	M10 x 30	1.10
		280	WFG 3004/S25	M36x2	20	50.7	78.7	73.0	30.2	58.7	55	55	41	37.7 x 3.55	M10 x 30	1.12
		280	WFG 3004/S30	M42x2	25	50.7	78.7	73.0	30.2	58.7	55	55	41	37.7 x 3.55	M10 x 30	1.14
		280	WFG 3004/S38	M52x2	28	50.7	78.7	73.0	30.2	58.7	68	65	46	37.7 x 3.55	M10 x 30	1.51
38	1 1/2"	160	WFG 3005/L42	M52x2	36	60.2	93.9	83.0	35.7	69.9	76	87	46	47.2 x 3.55	M12 x 35	2.54
		210	WFG 3005/S38	M52x2	32	60.2	93.9	83.0	35.7	69.9	76	87	46	47.2 x 3.55	M12 x 35	2.58
<b>6000 psi ISO 6162-2 / SAE J518C-62</b>																
13	1/2"	400	WFG 6001/S16	M24x1.5	12	31.6	56.5	48.0	18.2	40.5	39	48	24	18.7 x 3.55	M8 x 30	0.44
19	3/4"	400	WFG 6002/S16	M24x1.5	12	41.2	70.8	60.0	23.8	50.0	48	50	32	25.0 x 3.55	M10 x 40	0.89
		400	WFG 6002/S20	M30x2	16	41.2	70.8	60.0	23.8	50.0	48	50	32	25.0 x 3.55	M10 x 40	0.92
		400	WFG 6002/S25	M36x2	17	41.2	70.8	60.0	23.8	50.0	48	50	32	25.0 x 3.55	M10 x 40	0.95
25	1"	400	WFG 6003/S25	M36x2	20	47.5	81.2	70.0	27.8	57.2	60	55	41	32.9 x 3.55	M12 x 45	1.33
		400	WFG 6003/S30	M42x2	24	47.5	81.2	70.0	27.8	57.2	60	55	41	32.9 x 3.55	M12 x 45	1.37
32	1 1/4"	400	WFG 6004/S30	M42x2	25	53.9	94.6	78.0	31.8	66.6	68	65	46	37.7 x 3.55	M14 x 50	2.30
		350	WFG 6004/S38	M52x2	28	53.9	94.6	78.0	31.8	66.6	68	65	46	37.7 x 3.55	M14 x 50	2.40
38	1 1/2"	350	WFG 6005/S38	M52x2	30	63.4	113.3	95.0	36.5	79.3	76	87	46	47.2 x 3.55	M16 x 55	3.74

**SFV 焊接式 SAE 三通法兰组件**

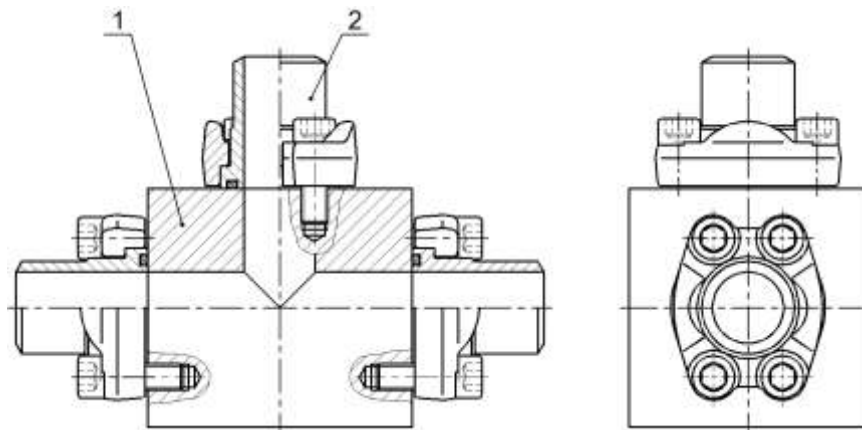
SFV Welded SAE-flange T-connections

**简介**

SFV 焊接式 SAE 三通法兰组件主要用于通径大于 DN13 (1/2") 的液压系统管道连接，供货范围包含下列零组件：

**Introduction**

The SFV welded SAE T-flange kits are mainly used for piping of hydraulic systems with pipe size larger than DN13 (1/2"). They are composed of following parts:



件 1 SFVB 三通块体, 1 件

件 2 SFS 单端焊接式 SAE 对开法兰组件, 3 件

Part 1 1 SFVB T-connection block

Part 2 3 SFS Unilateral welded SAE flange kits

**订货代号示例：**

通径 DN25 (1"), 3000 psi 系列的 SFV 型焊接式 SAE 三通法兰组件，连接管道的规格为  $\varnothing 30 \times 4$ ，要求不锈钢（材料代号 1.4571）接管和碳钢法兰，其订货代号应为：

**SFV 3003 / 30x4 / ST / 1.4571**

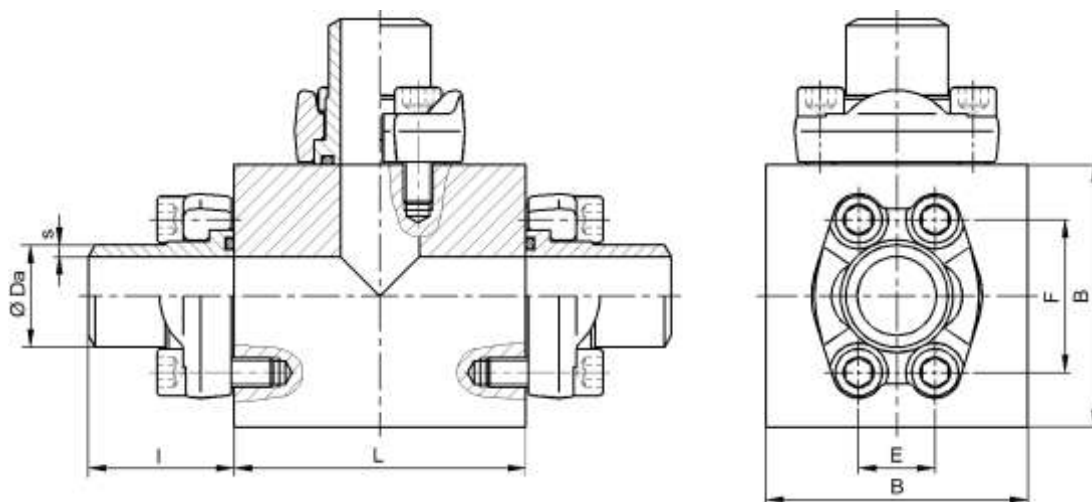
**Ordering Example:**

As DN25 (1"), 3000 psi series SFV type welded SAE flange T-connection kits are ordered, the size of the tube being connected is  $\varnothing 30 \times 4$ , and stainless steel (material code 1.4571) welding heads and carbon steel flanges are requested, the ordering code should be:

**SFV 3003 / 30x4 / ST / 1.4571**

## SFV SAE 三通法兰组件安装尺寸

## SFV T-connection Dimensions



mm

公称规格 Nominal Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions					O 型密封圈 O-Ring	螺栓规格 Belts	重量 Weight
mm	in.	bar		L	B	E	F	I		M	kg
<b>3000 psi</b>			<b>ISO 6162-1 / SAE J518C-61</b>								
13	1/2"	350	<b>SFV 3001</b>	70	60	17.5	38.1	30	18.7 x 3.55	M8 x 30	2.67
Da x s				20x3 / 21.3x2.6 / 22x2							
19	3/4"	350	<b>SFV 3002</b>	80	70	22.3	47.6	35	25.0 x 3.55	M10 x 30	4.25
Da x s				25x3 / 26.9x3.6							
25	1"	250	<b>SFV 3003</b>	90	80	26.2	52.4	40	32.9 x 3.55	M10 x 30	5.93
Da x s				30x4 / 33.7x3.2 / 35x4							
32	1 1/4"	200	<b>SFV 3004</b>	100	90	30.2	58.7	45	37.7 x 3.55	M10 x 40	8.45
Da x s				42.4x3.2 / 38.4x4 / 42.4x5							
38	1 1/2"	200	<b>SFV 3005</b>	110	100	35.7	69.9	50	47.2 x 3.55	M12 x 35	11.53
Da x s				48.3x3.2 / 42.4x3.2 / 38x4							
51	2"	160	<b>SFV 3006</b>	120	110	42.9	77.8	60	56.7 x 3.55	M12 x 35	15.30
Da x s				60.3x5.6 / 42.4x3.2 / 42x3.0							
<b>6000 psi</b>			<b>ISO 6162-2 / SAE J518C-62</b>								
13	1/2"	410	<b>SFV 6001</b>	70	60	18.2	40.5	40	18.7 x 3.55	M8 x 30	3.00
Da x s				16x2.5 / 20x3 / 21.3x4.5							
19	3/4"	410	<b>SFV 6002</b>	90	80	23.8	50.8	45	25.0 x 3.55	M10 x 40	6.41
Da x s				25x4 / 20x3 / 26.9x5.6							
25	1"	410	<b>SFV 6003</b>	100	90	27.8	57.2	50	32.9 x 3.55	M12 x 45	9.40
Da x s				30x4 / 25x4 / 30x4 / 33.7x7.1							
32	1 1/4"	350	<b>SFV 6004</b>	110	100	31.8	66.6	55	37.7 x 3.55	M14 x 50	13.06
Da x s				38x5 / 42.4x8.8 / 30x4							
38	1 1/2"	350	<b>SFV 6005</b>	120	120	36.5	79.3	60	47.2 x 3.55	M16 x 55	20.68
Da x s				48.3x8.8 / 38x5 / 48.3x7.1							
51	2"	350	<b>SFV 6006</b>	140	140	44.5	96.8	70	56.7 x 3.55	M20 x 70	33.65
Da x s				60.3x10 / 60.3x8 / 60.3x8.8							

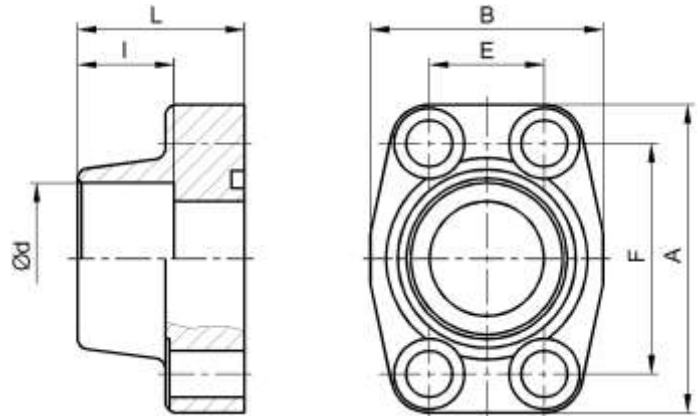
## SAE 法兰系列 / SAE-flange Series

AFLA 带止口 SAE 焊接法兰 / AFLA SAE Socket Weld Flanges



### AFLA 带止口 SAE 焊接法兰

AFLA SAE Socket Weld Flanges



#### 订货代号示例:

通径 DN25 (1"), 3000 psi 系列碳钢制 AFLA 带止口 SAE 焊接法兰, 其订货代号为:

**AFLA 3003 / ST**

#### Ordering Example:

The ordering code for DN25 (1"), 3000 psi, carbon steel made AFLA SAE socket weld flanges should be:

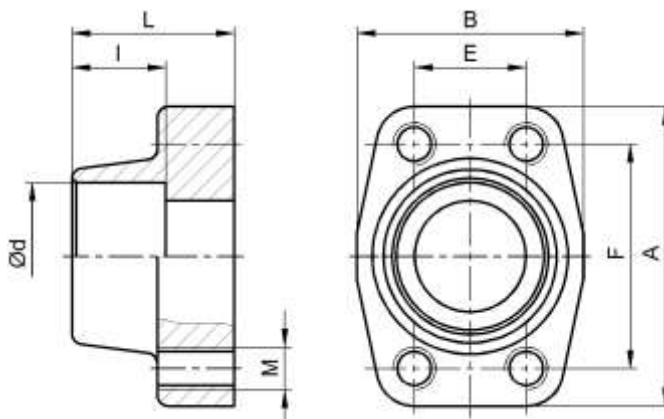
**AFLA 3003 / ST**

#### 安装尺寸 / Dimensions

公称规格 Nominal Size		型式代号 Type Code	最高工作压力 Max. Pressure	尺寸 Dimensions							螺栓规格 Screws	重量 Weight
mm	in.		bar	d	A	B	E	F	L	I	M	kg
<b>3000 psi</b>												
10	3/8"	<b>AFLA 3001a</b>	210	17.5	57	47	17.5	38.1	36	18	M8	0.175
13	1/2"	<b>AFLA 3001</b>	210	21.6	57	47	17.5	38.1	36	18	M8	0.151
19	3/4"	<b>AFLA 3002</b>	210	27.2	66	49	22.3	47.6	36	18	M10	0.245
25	1"	<b>AFLA 3003</b>	210	34.5	70	53	26.2	52.4	38	18	M10	0.272
32	1 1/4"	<b>AFLA 3004</b>	210	42.8	80	69	30.2	58.7	41	20	M10	0.385
38	1 1/2"	<b>AFLA 3005</b>	200	48.6	94	77	35.7	69.9	44	22	M12	0.583
51	2"	<b>AFLA 3006</b>	200	61.0	103	89	42.9	77.8	45	24	M12	0.630
64	2 1/2"	<b>AFLA 3007</b>	160	76.6	115	101	50.8	88.9	50	28	M12	0.787
76	3"	<b>AFLA 3008</b>	100	90.5	135	124	61.9	106.4	50	28	M16	1.222
89	3 1/2"	<b>AFLA 3009</b>	35	103.0	153	137	69.9	120.7	50	28	M16	1.332
102	4"	<b>AFLA 3010</b>	35	115.0	163	147	77.8	130.2	50	28	M16	1.425
127	5"	<b>AFLA 3011</b>	35	141.0	184	170	92.1	152.4	50	28	M16	1.782
<b>6000 psi</b>												
10	3/8"	<b>AFLA 6001a</b>	410	17.5	57	47	18.2	40.5	36	18	M8	0.159
16	1/2"	<b>AFLA 6001</b>	410	21.6	57	47	18.2	40.5	36	18	M8	0.158
19	3/4"	<b>AFLA 6002</b>	410	27.2	71	53	23.8	50.8	36	20	M10	0.288
25	1"	<b>AFLA 6003</b>	410	34.5	80	66	27.8	57.2	44	22	M12	0.458
32	1 1/4"	<b>AFLA 6004</b>	410	42.8	94	77	31.8	66.6	44	22	M14	0.636
38	1 1/2"	<b>AFLA 6005</b>	410	48.6	103	89	36.5	79.3	51	24	M16	0.925
51	2"	<b>AFLA 6006</b>	410	61.0	135	116	44.5	96.8	58	25	M20	1.738

**AFL 带止口 SAE 焊接法兰, (带螺纹孔)**

AFL Tapped SAE Socket Weld Flanges


**订货代号示例:**

通径 DN25 (1"), 3000 psi 系列碳钢制 AFL 带止口 SAE 焊接法兰 (带螺纹孔), 其订货代号为:

**AFL 3003 / ST**
**Ordering Example:**

The ordering code for DN25 (1"), 3000 psi, carbon steel made AFL tapped SAE socket weld flanges should be:

**AFLA 3003 / ST**
**安装尺寸 / Dimensions**

公称规格 Nominal Size		型式代号 Type Code	最高工作压力 Max. Pressure	尺寸 Dimensions							螺栓规格 Screws	重量 Weight
mm	in.		bar	d	A	B	E	F	L	I	M	kg
<b>3000 psi</b>												
10	3/8"	<b>AFL 3001a</b>	210	17.5	57	47	17.5	38.1	36	18	M8	0.175
13	1/2"	<b>AFL 3001</b>	210	21.6	57	47	17.5	38.1	36	18	M8	0.151
19	3/4"	<b>AFL 3002</b>	210	27.2	66	49	22.3	47.6	36	18	M10	0.245
25	1"	<b>AFL 3003</b>	210	34.5	70	53	26.2	52.4	38	18	M10	0.272
32	1 1/4"	<b>AFL 3004</b>	210	42.8	80	69	30.2	58.7	41	20	M10	0.385
38	1 1/2"	<b>AFL 3005</b>	200	48.6	94	77	35.7	69.9	44	22	M12	0.583
51	2"	<b>AFL 3006</b>	200	61.0	103	89	42.9	77.8	45	24	M12	0.630
64	2 1/2"	<b>AFL 3007</b>	160	76.6	115	101	50.8	88.9	50	28	M12	0.787
76	3"	<b>AFL 3008</b>	100	90.5	135	124	61.9	106.4	50	28	M16	1.222
89	3 1/2"	<b>AFL 3009</b>	35	103.0	153	137	69.9	120.7	50	28	M16	1.332
102	4"	<b>AFL 3010</b>	35	115.0	163	147	77.8	130.2	50	28	M16	1.425
127	5"	<b>AFL 3011</b>	35	141.0	184	170	92.1	152.4	50	28	M16	1.782
<b>6000 psi</b>												
10	3/8"	<b>AFL 6001a</b>	410	17.5	57	47	18.2	40.5	36	18	M8	0.159
16	1/2"	<b>AFL 6001</b>	410	21.6	57	47	18.2	40.5	36	18	M8	0.158
19	3/4"	<b>AFL 6002</b>	410	27.2	71	53	23.8	50.8	36	20	M10	0.288
25	1"	<b>AFL 6003</b>	410	34.5	80	66	27.8	57.2	44	22	M12	0.458
32	1 1/4"	<b>AFL 6004</b>	410	42.8	94	77	31.8	66.6	44	22	M14	0.636
38	1 1/2"	<b>AFL 6005</b>	410	48.6	103	89	36.5	79.3	51	24	M16	0.925
51	2"	<b>AFL 6006</b>	410	61.0	135	116	44.5	96.8	58	25	M20	1.738

## SAE 法兰系列 / SAE-flange Series

AFLA / AFL 带止口 SAE 焊接法兰组件 / AFLA / AFL SAE Socket Weld Flange Connector Kits



### AFLA / AFL 带止口 SAE 焊接法兰组件

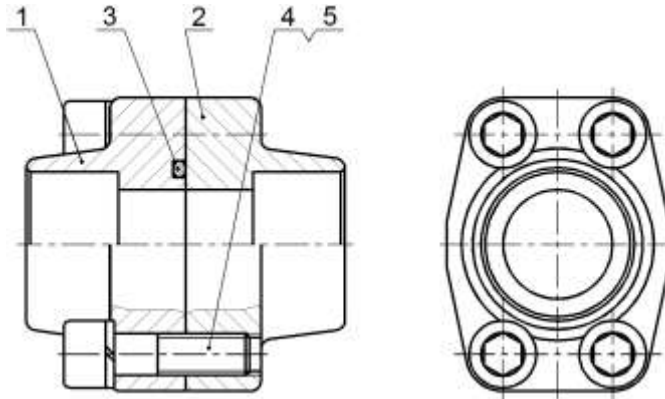
AFLA / AFL SAE Socket Weld Flange Connector Kits

#### 简介

AFLA/AFL 带止口 SAE 焊接法兰组件主要用于通径大于 DN10 (3/8") 的液压系统管道连接, 供货范围包含下列零件:

#### Introduction

The AFLA/AFL SAE socket weld flange connector kits are mainly used for piping of hydraulic systems with pipe size larger than DN10 (3/8"). They are composed of following parts:



- 件 1 AFLA 带止口 SAE 焊接法兰, 1 件
- 件 2 AFL 带止口 SAE 焊接法兰 (带螺纹孔), 1 件
- 件 3 O 型密封圈, 1 件
- 件 4 螺栓, 4 件
- 件 5 弹簧垫圈, 4 件

- Part 1 1 AFLA SAE socket weld flange
- Part 2 1 AFL tapped SAE socket weld flange
- Part 3 1 O-ring
- Part 4 4 fixing bolts
- Part 5 4 spring washers

#### 订货代号示例:

通径 DN25 (1"), 3000 psi 系列的 SFCE 型卡套接管式 SAE 法兰组件, 接管规格为 S30, 并要求不锈钢 (材料代号 1.4571) 制卡套式接管和碳钢法兰, 其订货代号应为:

#### Ordering Example:

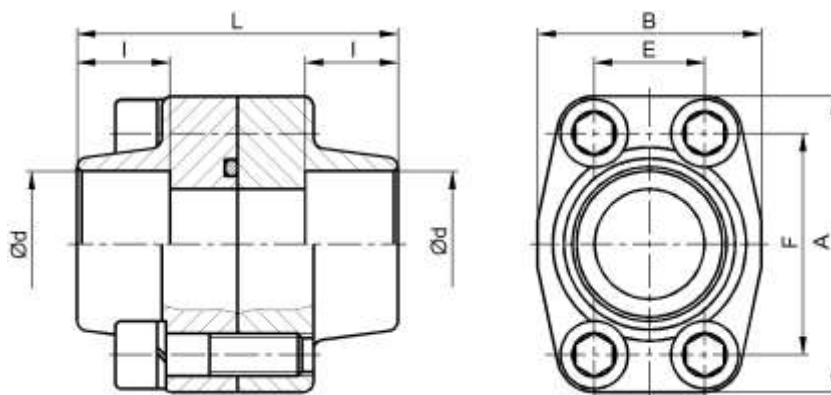
As DN25 (1"), 3000 psi series SFCE type SAE flange kits with S30 size fitting heads are ordered, and stainless steel (material code 1.4571) made fitting heads and carbon steel split flanges are requested, the ordering code should be:

**SFCE 3003 / S30 / ST / 1.4571**

**SFCE 3003 / S30 / ST / 1.4571**

## AFLA / AFL 法兰组件安装尺寸

Dimensions of AFLA / AFL Flange Connector Kits



mm

公称规格 Nominal Size		型式代号 Type Code	工作压力 PN	尺寸 Dimensions							螺栓规格 Screws	O 型密封圈 O-Ring	重量 Weight
mm	in.		bar	d	A	B	E	F	L	l	M		kg
<b>3000 psi</b>													
10	3/8"	AFLA/AFL 3001a	210	17.5	57	47	17.5	38.1	72	18	M8 x 30	18.7 x 3.55	0.370
13	1/2"	AFLA/AFL 3001	210	21.6	57	47	17.5	38.1	72	18	M8 x 30	18.7 x 3.55	0.335
19	3/4"	AFLA/AFL 3002	210	27.2	66	49	22.3	47.6	72	18	M10 x 35	25.0 x 3.55	0.545
25	1"	AFLA/AFL 3003	210	34.5	70	53	26.2	52.4	76	18	M10 x 35	32.9 x 3.55	0.605
32	1 1/4"	AFLA/AFL 3004	210	42.8	80	69	30.2	58.7	82	20	M10 x 40	37.7 x 3.55	0.855
38	1 1/2"	AFLA/AFL 3005	200	48.6	94	77	35.7	69.9	88	22	M12 x 45	47.2 x 3.55	1.295
51	2"	AFLA/AFL 3006	200	61.0	103	89	42.9	77.8	90	24	M12 x 45	56.7 x 3.55	1,400
64	2 1/2"	AFLA/AFL 3007	160	76.6	115	101	50.8	88.9	100	28	M12 x 45	69.4 x 3.55	1.748
76	3"	AFLA/AFL 3008	100	90.5	135	124	61.9	106.4	100	28	M16 x 50	85.3 x 3.55	2.716
89	3 1/2"	AFLA/AFL 3009	35	103.0	153	137	69.9	120.7	100	28	M16 x 50	98.0 x 3.55	2.960
102	4"	AFLA/AFL 3010	35	115.0	163	147	77.8	130.2	100	28	M16 x 50	110.7 x 3.55	3.167
127	5"	AFLA/AFL 3011	35	141.0	184	170	92.1	152.4	100	28	M16 x 50	136.1 x 3.55	3.960
<b>6000 psi</b>													
10	3/8"	AFLA/AFL 6001a	410	17.5	57	47	18.2	40.5	72	18	M8 x 30	18.7 x 3.55	0.354
16	1/2"	AFLA/AFL 6001	410	21.6	57	47	18.2	40.5	72	18	M8 x 30	18.7 x 3.55	0.350
19	3/4"	AFLA/AFL 6002	410	27.2	71	53	23.8	50.8	72	20	M10 x 35	25.0 x 3.55	0.640
25	1"	AFLA/AFL 6003	410	34.5	80	66	27.8	57.2	88	22	M12 x 40	32.9 x 3.55	1.018
32	1 1/4"	AFLA/AFL 6004	410	42.8	94	77	31.8	66.6	88	22	M14 x 45	37.7 x 3.55	1.413
38	1 1/2"	AFLA/AFL 6005	410	48.6	103	89	36.5	79.3	102	24	M16 x 50	47.2 x 3.55	2.056
51	2"	AFLA/AFL 6006	410	61.0	135	116	44.5	96.8	116	25	M20 x 60	56.7 x 3.55	3.862



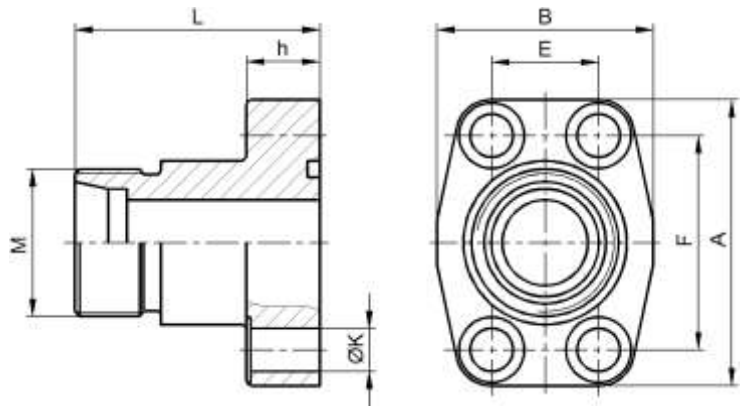
## SAE 法兰系列 / SAE-flange Series



AFM 型卡套连接式整体 SAE 法兰 / AFM SAE Flanges with Bite-type Fitting End

### AFM 卡套连接式整体 SAE 法兰

AFM SAE Flanges with Bite-type Fitting End



#### 订货代号示例:

带 L28 规格卡套接头端, 通径 DN25 (1"), 3000 psi 系列碳钢制 AFM 卡套连接式整体 SAE 法兰, 其订货代号应为:

**AFM 3003 / L28 / ST**

#### Ordering Example:

For DN25 (1"), 3000 psi, carbon steel made AFM SAE flanges, with a size L28 bite-type fitting end, the ordering code should be:

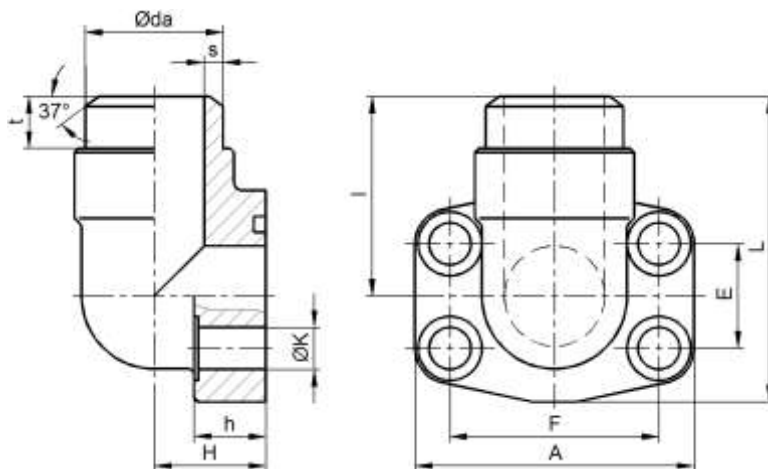
**AFM 3003 / L28 / ST**

#### 安装尺寸 / Dimensions

公称规格 Nominal Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions								配用螺栓 Screws	O 型密封圈 O-Ring	重量 Weight
mm	in.	bar		M	A	B	E	F	L	h	K			kg
<b>3000 psi</b>														
13	1/2"	315	AFM 3001 / L15	M22x1.5	57	47	17.5	38.1	47	16	9	M8 x 30	18.7 x 3.55	0.328
		350	AFM 3001 / S16	M24x1.5										
19	3/4"	315	AFM 3002 / L18	M26x1.5	66	49	22.3	47.6	52	18	11	M10 x 35	25.0 x 3.55	0.546
		160	AFM 3002 / L22	M30x2.0										
		350	AFM 3002 / S20	M30x2.0										
		350	AFM 3002 / S25	M36x2.0										
25	1"	160	AFM 3003 / L28	M36x2.0	70	53	26.2	52.4	60	18	11	M10 x 40	32.9 x 3.55	0.730
		350	AFM 3003 / S25	M36x2.0										
		350	AFM 3003 / S30	M42x2.0										
32	1 1/4"	160	AFM 3004 / L35	M45x2.0	80	69	30.2	58.7	60	21	11	M10 x 40	37.7 x 3.55	0.926
		280	AFM 3004 / S25	M36x2.0										
		280	AFM 3004 / S30	M42x2.0										
		280	AFM 3004 / S38	M52x2.0										
38	1 1/2"	160	AFM 3005 / L42	M52x2.0	94	77	35.7	69.9	70	25	13	M12 x 45	47.2 x 3.55	1.405
		210	AFM 3005 / S38	M52x2.0										
<b>6000 psi</b>														
13	1/2"	350	AFM 6001 / S16	M24x1.5	57	47	18.2	40.5	47	16	9	M8 x 30	18.7 x 3.55	0.343
		280	AFM 6002 / S16	M24x1.5										
19	3/4"	350	AFM 6002 / S20	M30x2.0	71	53	23.8	50.8	52	19	11	M10 x 35	25.0 x 3.55	0.691
		350	AFM 6002 / S25	M36x2.0										
		350	AFM 6003 / S25	M36x2.0										
25	1"	350	AFM 6003 / S25	M36x2.0	80	66	27.8	57.2	60	21	13	M12 x 40	32.9 x 3.55	0.990
		350	AFM 6003 / S30	M42x2.0										
32	1 1/4"	350	AFM 6004 / S30	M42x2.0	94	77	31.8	66.6	68	24	15	M14 x 45	37.7 x 3.55	1.556
		315	AFM 6004 / S38	M52x2.0										
38	1 1/2"	315	AFM 6004 / S38	M52x2.0	103	89	36.5	79.3	72	27	17	M16 x 50	47.2 x 3.55	2.136

**AFW 焊接式整体 SAE 直角弯头法兰**

AFW Elbow Weld on SAE Flanges


**订货代号示例:**

通径 DN25 (1"), 3000 psi 系列碳钢制 AFW 焊接式整体 SAE 直角弯头法兰, 其订货代号应为:

**AFW 3003 / ST**
**Ordering Example:**

For DN25 (1"), 3000 psi, carbon steel made AFW elbow weld on SAE flanges the ordering code should be:

**AFW 3003 / ST**
**安装尺寸 / Dimensions**

mm

公称规格 Nominal Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions									配用螺栓 Screws	O型密封圈 O-Ring	重量 Weight
mm	in.	bar		Da x s	A	E	F	L	I	H	h	K			kg
<b>3000 psi</b>															
13	1/2"	315	<b>AFW 3001</b>	21.6 x 4.3	57	17.5	38.1	63	40	18	16	9	M8 x 30	18.7 x 3.55	0.335
19	3/4"	315	<b>AFW 3002</b>	27.2 x 4.1	66	22.3	47.6	65	41	22	19	11	M10 x 35	25.0 x 3.55	0.530
25	1"	160	<b>AFW 3003</b>	34.5 x 4.7	70	26.2	52.4	77	50	28	19	11	M10 x 35	32.9 x 3.55	0.616
32	1 1/4"	160	<b>AFW 3004</b>	42.8 x 5.4	80	30.2	58.7	90	57	30	23	11	M10 x 40	37.7 x 3.55	1.000
38	1 1/2"	160	<b>AFW 3005</b>	48.6 x 5.3	95	35.7	69.9	105	66	36	26	13	M12 x 45	47.2 x 3.55	1.466
51	2"	210	<b>AFW 3005</b>	61.0 x 5.0	102	42.9	77.8	110	66	44	28	13	M12 x 45	56.7 x 3.55	2.049
<b>6000 psi</b>															
13	1/2"	350	<b>AFW 6001</b>	21.6 x 4.3	57	18.2	40.5	63	40	18	18	9	M8 x 30	18.7 x 3.55	0.375
19	3/4"	280	<b>AFW 6002</b>	27.2 x 4.1	71	23.8	50.8	77	50	22	18	11	M10 x 35	25.0 x 3.55	0.670
25	1"	350	<b>AFW 6003</b>	34.5 x 4.7	82	27.8	57.2	90	57	28	27	13	M12 x 45	32.9 x 3.55	1.040
32	1 1/4"	350	<b>AFW 6004</b>	42.8 x 5.4	95	31.8	66.6	105	66	30	28	15	M14 x 50	37.7 x 3.55	1.800
38	1 1/2"	315	<b>AFW 6004</b>	48.6 x 5.3	115	36.5	79.3	109	65	41	28	17	M16 x 50	47.2 x 3.55	2.713
51	2"	315	<b>AFW 6004</b>	61.0 x 5.0	134	44.5	96.8	134	75	45	29	21	M20 x 60	56.7 x 3.55	4.024

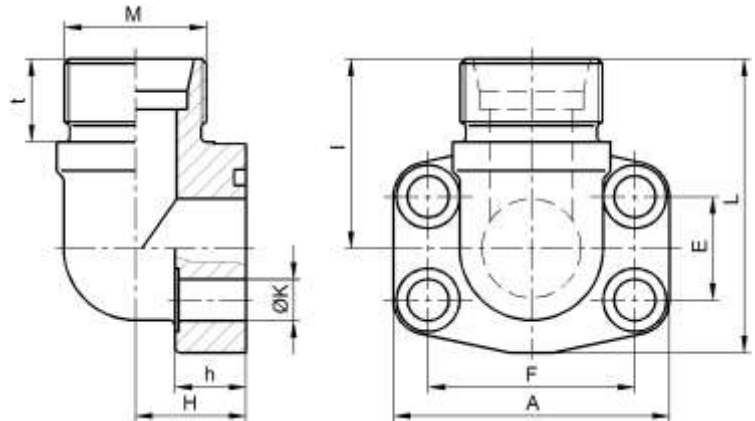
SAE 法兰系列 / SAE-flange Series



AFMW 卡套连接式整体 SAE 直角弯头法兰 / AFMW Elbow SAE Flanges with Bite-type Fitting End

AFMW 卡套连接式整体 SAE 直角弯头法兰

AFMW Elbow SAE Flanges with Bite-type Fitting End



订货代号示例:

带 L28 规格卡套接头端, 通径 DN25 (1"), 3000 psi 系列碳钢制 AFMW 卡套连接式整体 SAE 直角弯头法兰, 其订货代号应为:

Ordering Example:

For DN25 (1"), 3000 psi, carbon steel made AFMW elbow SAE flanges, with a L28 bite-type fitting end, the ordering code should be:

**AFMW 3003 / L28 / ST**

**AFMW 3003 / L28 / ST**

安装尺寸 / Dimensions

公称规格 Nominal Size		最高工作压力 Max. Pressure	型式代号 Type Code	尺寸 Dimensions									配套螺栓 Screws	O 型密封圈 O-Ring	重量 Weight
mm	in.	bar		M	A	E	F	L	I	H	h	K			kg
<b>3000 psi</b>															
13	1/2"	315	AFM 3001 / L15	M22x1.5	57	17.5	38.1	44	35	35	16	9	M8 x 30	18.7 x 3.55	0.370
		350	AFM 3001 / S16	M24x1.5											
19	3/4"	315	AFM 3002 / L18	M26x1.5	66	22.3	47.6	49	38	38	18	11	M10 x 35	25.0 x 3.55	0.518
		160	AFM 3002 / L22	M30x2.0											
		350	AFM 3002 / S20	M30x2.0											
		350	AFM 3002 / S25	M36x2.0											
25	1"	160	AFM 3003 / L28	M36x2.0	70	26.2	52.4	69	42	42	19	11	M10 x 40	32.9 x 3.55	0.757
		350	AFM 3003 / S25	M36x2.0											
		350	AFM 3003 / S30	M42x2.0											
32	1 1/4"	160	AFM 3004 / L35	M45x2.0	80	30.2	58.7	85	48	48	22	11	M10 x 40	37.7 x 3.55	1.110
		280	AFM 3004 / S25	M36x2.0											
		280	AFM 3004 / S30	M42x2.0											
		280	AFM 3004 / S38	M52x2.0											
38	1 1/2"	160	AFM 3005 / L42	M52x2.0	101	35.7	69.9	94	54	54	25	13	M12 x 45	47.2 x 3.55	1.633
		210	AFM 3005 / S38	M52x2.0											
<b>6000 psi</b>															
13	1/2"	350	AFM 6001 / S16	M24x1.5	57	18.2	40.5	60	37	37	16	9	M8 x 30	18.7 x 3.55	0.362
		280	AFM 6002 / S16	M24x1.5											
19	3/4"	350	AFM 6002 / S20	M30x2.0	71	23.8	50.8	69	41	41	19	11	M10 x 35	25.0 x 3.55	1.250
		350	AFM 6002 / S25	M36x2.0											
		350	AFM 6003 / S25	M36x2.0											
25	1"	350	AFM 6003 / S25	M36x2.0	80	27.8	57.2	84	48	48	24	13	M12 x 45	32.9 x 3.55	1.219
		350	AFM 6003 / S30	M42x2.0											
32	1 1/4"	350	AFM 6004 / S30	M42x2.0	95	31.8	66.6	95	55	55	25	15	M14 x 45	37.7 x 3.55	1.680
		315	AFM 6004 / S38	M52x2.0											
38	1 1/2"	315	AFM 6004 / S38	M52x2.0	113	36.5	79.3	110	61	61	26	17	M16 x 45	47.2 x 3.55	2.653



# 方法兰系列

## Square-flanges Series



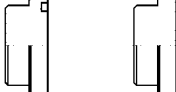
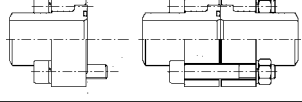
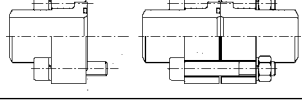
内容 / Content

页次 / Page

概述 / General Description ..... B1

订货代号 / Ordering Code ..... B2

方法兰产品一览 / Product Visual Index of Square Flanges

类型代号 Type Code	名称 Description	简图 Thumbnail	页次 Page
<b>KV</b>	方压板法兰 Square Flange Clamps		B3
<b>UKG / UKN</b>	方法兰用焊接接管 / 平焊接接管 Weld-on Heads with/without Groove for Square-flanges		B4
<b>UKB / UKBN</b>	方法兰用闷盖 / 平闷盖 Plug Heads with/without Groove for Square-flanges		B6
<b>FA / FK-0</b>	单头 / 双头方法兰组件 (0 系列, PN10-64) Square-flange Connectors / Couplings (Series 0, PN10-64)		B8
<b>FA / FK-2</b>	单头 / 双头方法兰组件 (2 系列, PN160) Square-flange Connectors / Couplings (Series 2, PN160)		B9
<b>FA / FK-3</b>	单头 / 双头方法兰组件 (3 系列, PN250) Square-flange Connectors / Couplings (Series 3, PN250)		B10
<b>FA / FK-4</b>	单头 / 双头方法兰组件 (4 系列, PN320) Square-flange Connectors / Couplings (Series 4, PN320)		B11
<b>FA / FK-5</b>	单头 / 双头方法兰组件 (5 系列, PN400) Square-flange Connectors / Couplings (Series 5, PN400)		B12
<b>FA / FK-6</b>	单头 / 双头方法兰组件 (6 系列, PN500) Square-flange Connectors / Couplings (Series 6, PN500)		B13
<b>FFA / FFK</b>	单头 / 双头 ISO 方法兰组件 ISO Square-flange Connectors / Couplings		B14
<b>FV</b>	焊接接管式三通方法兰组件 Welded Square-flange T-Connection Kits		B16





**简介**

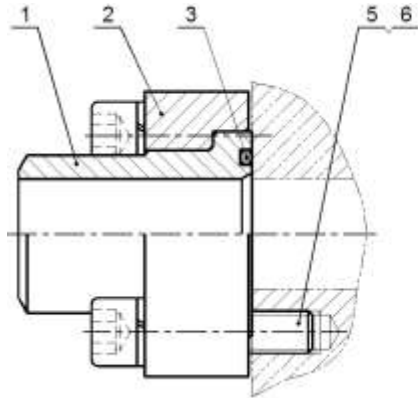
Unifit 方法兰系列产品适用于液压系统及各种高压管系的安装连接。

各种型式的法兰连接件可按成套组件供货，也可单独提供零件。成套法兰组件的组成如下：

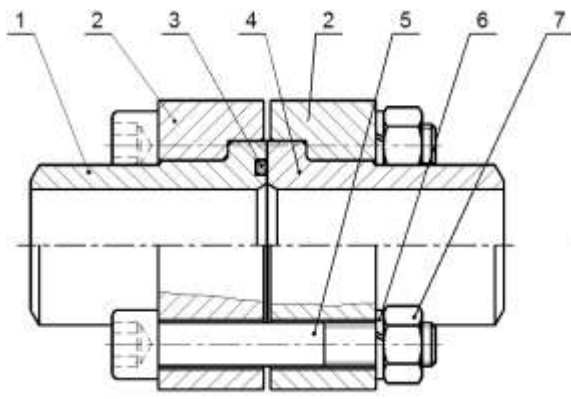
**Introduction**

The Unifit square flange connections are mainly used for piping of hydraulic systems and other high pressure pipe lines.

This series of square flange connectors can be provided as kits, or separate parts. The composition of a flange kit is shown as following:



FA 单头方法兰系列 / FA square-flange connectors



FK 双头方法兰系列 / FK square-flange couplings

- 件 1 方法兰用焊接接管
- 件 2 方压板法兰
- 件 3 O 型密封圈
- 件 4 方法兰用平焊接接管
- 件 5 螺栓
- 件 6 弹簧垫圈
- 件 7 螺母

- Part 1 Weld-on head for square-flanges
- Part 2 Square-flange clamps
- Part 3 O-ring
- Part 4 Weld-on head w/o o-ring groove for square flanges
- Part 5 Fixing belts
- Part 6 Spring washers
- Part 7 Nuts

**工作压力**

最高工作压力均在相应的尺寸表中予以标明。该工作压力数值适用于-20°C 至+90°C 的工作温度范围，若实际工作温度超出此范围，由于所使用材料的物理性能会有减弱，应降低最高工作压力使用。

标明的最高工作压力仅指法兰本身，整个管系的最高工作压力，应考虑所使用的管道、管接头以及其它管件的压力限制。

**Working Pressure**

The maximum working pressures of the flange connectors are indicated in the relevant dimension lists. The pressure indications are based on a working temperature range from -20°C to +90°C. If the actual working temperature exceeds such a range, the maximum working pressure should be reduced because of the weakened physical properties of the used materials.

The indicated working pressure refers only to the flange itself. For the whole pipe line, to determine its maximum working pressure the pressure limits of all the used tubes, fittings and connectors should be considered.

**材料**

作为标准的供货状态，法兰和接头体均使用碳钢材料制作，也可按订货要求提供不锈钢法兰或接头体，详情请参见“订货代号”。

**表面处理**

表面镀锌并钝化，或按订货要求处理。

**安装螺栓**

所提供的紧固螺栓均为高强度螺栓，强度等级为 ISO 898-1 规定的 8.8 级。按订货要求，也可提供 10.9 级的安装螺栓。

**密封件**

本样本包含的法兰连接件均采用 O 型圈进行密封，标准供货状态下，密封圈材料为丁腈橡胶 (NBR)，按订货要求，也可提供氟橡胶 (FPM) 密封圈。

**订货代号**

订货时，请使用下述产品代号：

**\* \* \***   **\* \***   **- \*** / **\* X\*** / **\* \*** / **\* \***  
1 2 3 4 5 6

**1 类型代号**

详见“目录”中“ISO 方法兰”。

**2 法兰规格代号**

规格代号 Size code	公称通经 Nominal Size	规格代号 Size code	公称通经 Nominal Size	规格代号 Size code	公称通经 Nominal Size	规格代号 Size code	公称通经 Nominal Size
	DN		DN		DN		DN
10	10	25	25	65	65	100	100
12	12	32	32	70	70	125	125
16	16	40	40	80	80	150	150
20	20	50	50	90	90		

**3 系列代号**

- 0 - 0 系列, PN 10-64
- 2 - 2 系列, PN 160
- 3 - 3 系列, PN 250
- 4 - 4 系列, PN 320
- 5 - 5 系列, PN 400
- 6 - 6 系列, PN 500

**4 接管规格代号**

管道外径 x 管道壁厚

**5 法兰材料代号**

ST - 碳钢  
材料牌号 (如: 1.4571) - 不锈钢

**6 接管或闷盖材料代号**

ST - 碳钢  
材料牌号 (如: 1.4571) - 不锈钢

**Materials**

In case the order is not specified, we supply flanges and weld-on heads as well made of carbon steel. Stainless steel made flanges or weld-on heads are available on require. See "Ordering Code" for details.

**Surface Protection**

The surface is treated with zinc plating and passivation, or as per require.

**Fixing belts**

The supplied belts are of high strength. Belts of property class 8.8 (as specified in ISO 898-1) are as standard. Belts of property class 10.9 can be supplied on request.

**Seals**

All flange connectors in this catalog use O-rings for sealing. As standard, the supplied O-rings are made up of nitrile butadiene rubber (NBR). Viton (FPM) O-rings can be supplied on require.

**Ordering Code**

When ordering, please use the product code as following:

**Type Code**

See "ISO Square Flanges" in "Content" for details.

**Size Code for Flanges**
**Series**

- 0 - Series 0, PN 10-64
- 2 - Series 2, PN 160
- 3 - Series 0, PN 250
- 4 - Series 2, PN 320
- 5 - Series 0, PN 400
- 6 - Series 2, PN 500

**Size Code for Weld-on Heads**

Pipe outside diameter x wall thickness

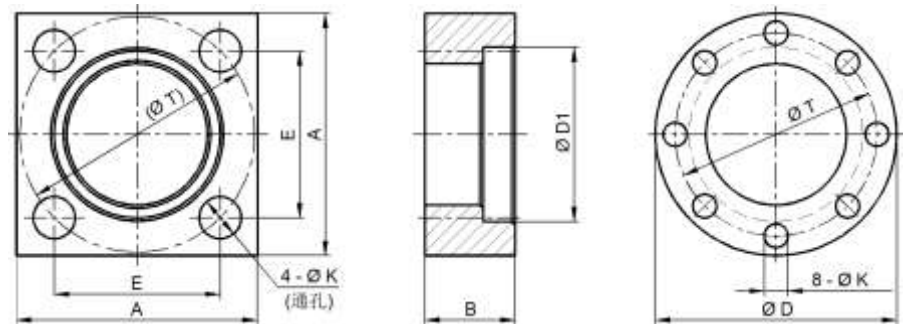
**Material of Flanges**

ST - Carbon Steel  
Material designation code (e.g.: 1.4571) - Stainless steel

**Material of Weld-on Heads or Plug Heads**

ST - Carbon Steel  
Material designation code (e.g.: 1.4571) - Stainless steel

**KV 方压板法兰**  
KV Square-flange Clamps



**订货代号示例:**

通径 DN25, 4 系列 (PN320) 碳钢制 KV 方压板法兰订货代号应为:

**KV 25-4 / ST**

**Ordering Example:**

For DN25, series 4 (PN320) carbon steel made KV square-flange clamps, the ordering code should be:

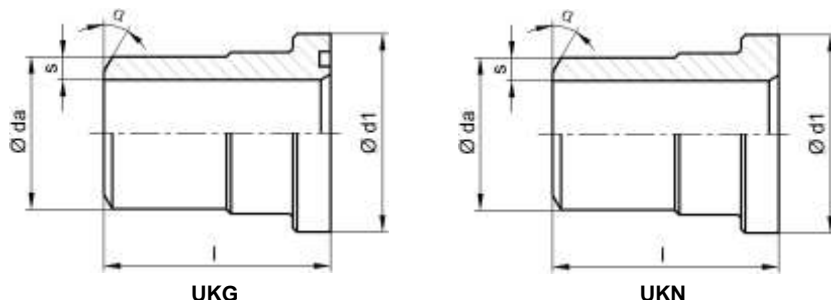
**KV 25-4 / ST**

**安装尺寸 / Dimensions**

公称规格 Nom. Size	型式代号 Type Code	最高工作压力 Max. Pressure	尺寸 Dimensions							O 型密封圈 O-Ring	重量 Weight	
			DN	bar	A	D	B	E	T			D1
<b>4 系列 / Series 4 (PN 320)</b>												
10	KV 10-4	320	50	-	19	31.1	(44)	28	11	M10		0.19
12	KV 12-4	320	60	-	19	38.2	(54)	38	11	M10		0.34
16	KV 16-4	320	60	-	19	38.2	(54)	38	11	M10		0.34
20	KV 20-4	320	70	-	19	45.3	(64)	46	13	M12		0.45
25	KV 25-4	320	80	-	24	50.9	(72)	55	13	M12		0.73
32	KV 32-4	320	90	-	29	56.6	(80)	60	17	M16		1.10
40	KV 40-4	320	100	-	38	69.3	(98)	76	17	M16		1.52
50	KV 50-4	320	120	-	48	83.4	(118)	92	21	M20		2.55
65	KV 65-4	320	150	-	48	102.5	(145)	110	25	M24		4.55
80	KV 80-4	320	180	-	59	123.7	(175)	135	31	M30		8.10
100	KV 100-4	320	-	245	69	-	200	168	25	M24		5.72
125	KV 125-4	320	-	300	79	-	245	205	31	M30		9.18
150	KV 150-4	320	-	355	88	-	290	245	37	M36		13.47
<b>5 系列 / Series 5 (PN 400)</b>												
32	KV 32-5	400	100	-	38	69.3	(98)	76	17	M16		1.52
40	KV 40-5	400	120	-	48	83.4	(118)	92	21	M20		2.55
50	KV 50-5	400	150	-	48	102.5	(145)	110	25	M24		4.55
65	KV 65-5	400	180	-	59	123.7	(175)	135	31	M30		8.10
80	KV 80-5	400	-	245	69	-	200	172	25	M24		5.72
100	KV 100-5	400	-	300	79	-	245	205	31	M30		9.18
125	KV 125-5	400	-	390	88	-	315	273	37	M36		14.80
<b>6 系列 / Series 6 (PN 500)</b>												
12	KV 12-6	500	65	-	26	42.4	(60)	43	13	M12		0.61
16	KV 16-6	500	75	-	30	47.4	(67)	50	13	M12		0.74
20	KV 20-6	500	90	-	37	59.4	(84)	63	17	M16		1.41
25	KV 25-6	500	120	-	48	71.4	(101)	76	21	M20		2.55
32	KV 32-6	500	140	-	55	88.4	(125)	90	25	M24		4.32
40	KV 40-6	500	150	-	60	100.4	(142)	110	25	M24		5.69
50	KV 50-6	500	180	-	68	118.8	(168)	125	31	M30		9.33
65	KV 65-6	500	-	245	74	-	188	154	25	M24		6.57
80	KV 80-6	500	-	315	82	-	228	182	37	M36		10.38
100	KV 100-6	500	-	360	98	-	264	218	37	M36		16.94
125	KV 125-6	500	-	450	105	-	327	275	43	M42		24.31
150	KV 150-6	500	-	490	115	-	392	340	43	M42		31.76

**UKG / UKN 方法兰用焊接接管/平焊接接管**

UKG / UKN Weld-on Heads with/without Groove for Square-flanges


**订货代号示例:**

通径 DN25, 4 系列 (PN320) 不锈钢 (材料代号 1.4571) 制 FAG (或 FK) 方法兰用焊接接管, 其订货代号应为:

**UKG (或 UKN) 25-4 / 1.4571**
**Ordering Example:**

For DN25, series 4 (PN320), stainless steel made FAG (or FK) weld-on heads for square-flanges, the ordering code should be:

**UKG (or UKN) 25-4 / 1.4571**
**安装尺寸 / Dimensions**

mm

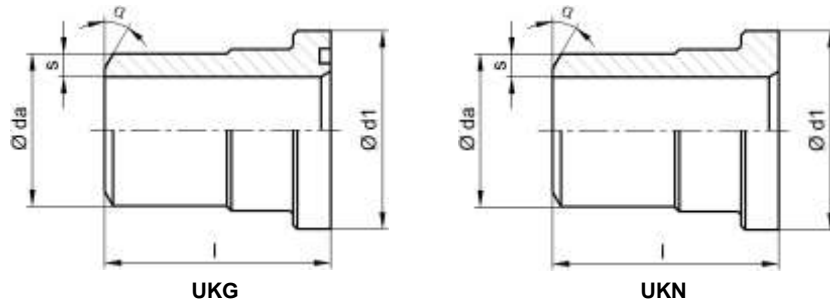
公称规格 Nom. Size	型式代号 Type Code	最高工作压力 Max. Pressure	尺寸 Dimensions				配用 O 型密封圈 O-Ring	配用法兰 Flanges	重量 Weight
DN		bar	da x s	d1	l	$\alpha$		kg	
<b>0 系列 / Series 0 (PN 10-64)</b>									
32	UKG (UKN) 32-0	64	42.4x2.6	55	63	30°	42.5 x 3.55	KV 25-4	
40	UKG (UKN) 40-0	64	48.3x2.6	59	67	30°	47.5 x 3.55	KV 32-4	
50	UKG (UKN) 50-0	64	60.3x2.9 / 60.3x4.5	76	79	30°	56.0 x 3.55	KV 40-4	
65	UKG (UKN) 65-0	64	76.1x2.9 / 76.1x3.6	92	97	30°	75.0 x 3.55	KV 50-4	
80	UKG (UKN) 80-0	64	88.9x3.2 / 88.9x4.0	108	108	30°	85.0 x 5.3	KV 65-4	
90	UKG (UKN) 90-0	64	101.6x7.1	135	135	30°	95.0 x 5.3	KV 80-4	
100	UKG (UKN) 100-0	64	114.3x3.6 / 114.3x7.1	135	135	30°	106.0 x 5.3	KV 80-4	
125	UKG (UKN) 125-0	64	139.7x8.0 / 139.7x10.0	168	150	30°	132.0 x 7.0	KV 100-4	
150	UKG (UKN) 150-0	64	168.3x10.0	205	189	30°	157.5 x 7.0	KV 125-4	
<b>2 系列 / Series 2 (PN 160)</b>									
12	UKG (UKN) 12-2	160	16x1.5 / 16x2.0	28	42	30°	17.0 x 2.65	KV 10-4	
16	UKG (UKN) 16-2	160	20x2.5	38	49	30°	25.0 x 2.65	KV 12-4	
20	UKG (UKN) 20-2	160	25x2.5 / 25x3.0	38	49	30°	25.0 x 2.65	KV 16-4	
25	UKG (UKN) 25-2	160	30x3.0 / 30x4.0	46	55	30°	30.0 x 2.65	KV 20-4	
32	UKG (UKN) 32-2	160	38x4.0 / 38x5.0	55	63	30°	34.5 x 2.65	KV 25-4	
40	UKG (UKN) 40-2	160	48.3x4.0 / 48.3x5.0	59	67	30°	46.2 x 3.55	KV 32-4	
50	UKG (UKN) 50-2	160	60.3x5.0 / 60.3x6.3	76	79	30°	53.0 x 5.3	KV 40-4	
65	UKG (UKN) 65-2	160	76.1x6.3 / 76.1x7.1	92	97	30°	69.0 x 5.3	KV 50-4	
80	UKG (UKN) 80-2	160	101.6x8.8 / 101.6x10.0	108	135	30°	100.0 x 6.0	KV 65-4	
100	UKG (UKN) 100-2	160	114.3x10.0 / 114.3x11.0	135	135	30°	106.0 x 6.0	KV 80-4	
125	UKG (UKN) 125-2	160	152.4x12.5 / 152.4x16.0	168	150	30°	132.0 x 7.0	KV 100-4	
150	UKG (UKN) 150-2	160	177.8x16.8 / 177.8x17.5	205	189	30°	147.5 x 7.0	KV 125-4	
<b>3 系列 / Series 3 (PN 250)</b>									
10	UKG (UKN) 10-3	250	16x2.0 / 16x2.6	28	42	30°	17.0 x 2.65	KV 10-4	
12	UKG (UKN) 12-3	250	20x2.5 / 20x2.9	38	49	30°	25.0 x 2.65	KV 12-4	
16	UKG (UKN) 16-3	250	21.3x2.6 / 21.3x3.6	38	49	30°	25.0 x 2.65	KV 16-4	
20	UKG (UKN) 20-3	250	26.9x3.6	46	55	30°	28.0 x 2.65	KV 20-4	
25	UKG (UKN) 25-3	250	33.7x4.5	55	63	30°	32.5 x 3.55	KV 25-4	
32	UKG (UKN) 32-3	250	42.4x5.6	59	67	30°	37.0 x 3.55	KV 32-4	
40	UKG (UKN) 40-3	250	60.3x8.0	76	79	30°	50.0 x 5.3	KV 40-4	
50	UKG (UKN) 50-3	250	70.0x8.8 / 76.1x10.0	92	97	30°	60.0 x 5.3	KV 50-4	
65	UKG (UKN) 65-3	250	88.9x11.0	108	108	30°	75.0 x 6.0	KV 65-4	
80	UKG (UKN) 80-3	250	101.6x12.5 / 101.6x14.2	135	135	30°	88.0 x 6.0	KV 80-4	
100	UKG (UKN) 100-3	250	139.7x17.5 / 139.7x20.0	168	150	30°	115.0 x 6.0	KV 100-4	
125	UKG (UKN) 125-3	250	168.3x20.0 / 168.3x22.0	205	189	30°	147.5 x 7.0	KV 125-4	
150	UKG (UKN) 150-3	250	193.7x25.0	245	199	30°	182.5 x 7.0	KV 150-4	

## 方法兰系列 / Square-flange Series

UKG/UKN 方法兰用焊接接管 / UKG/UKN Weld-on Heads for Square-flanges



### 安装尺寸(续) / Dimensions (continued)



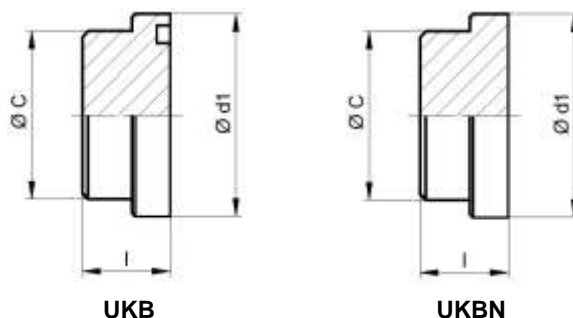
mm

公称规格 Nom. Size	型式代号 Type Code	最高工作压力 Max. Pressure	尺寸 Dimensions				配用 O 型密封圈 O-Ring	配用法兰 Flanges	重量 Weight
			da x s	d1	l	$\alpha$			
DN	mm	bar							
<b>4 系列 / Series 4 (PN 320)</b>									
10	UKG (UKN) 10-4	250	17.2x3.6	28	42	30°	17.0 x 2.65	KV 10-4	
12	UKG (UKN) 12-4	250	20.0x4.0 / 21.3x3.6	38	49	30°	25.0 x 2.65	KV 12-4	
16	UKG (UKN) 16-4	250	26.9x4.5	38	49	30°	25.0 x 2.65	KV 16-4	
20	UKG (UKN) 20-4	250	33.7x5.6	46	55	30°	28.0 x 2.65	KV 20-4	
25	UKG (UKN) 25-4	250	42.4x7.1	55	63	30°	32.5 x 3.55	KV 25-4	
32	UKG (UKN) 32-4	250	48.3x8.0	59	67	30°	37.0 x 3.55	KV 32-4	
40	UKG (UKN) 40-4	250	60.3x10.0	76	79	30°	50.0 x 5.3	KV 40-4	
50	UKG (UKN) 50-4	250	76.1x12.5	92	97	30°	60.0 x 5.3	KV 50-4	
65	UKG (UKN) 65-4	250	88.9x14.2	108	108	30°	75.0 x 6.0	KV 65-4	
70	UKG (UKN) 70-4	250	101.6x16.0	135	135	30°	88.0 x 6.0	KV 80-4	
80	UKG (UKN) 80-4	250	114.3x17.5 / 114.3x20.0	135	135	30°	88.0 x 6.0	KV 80-4	
100	UKG (UKN) 100-4	250	139.7x22.2 / 152.5x28.0	168	150	30°	115.0 x 6.0	KV 100-4	
125	UKG (UKN) 125-4	250	177.8x30	205	189	30°	147.5 x 7.0	KV 125-4	
150	UKG (UKN) 150-4	250	193.7x30.0 / 219.1x38	245	199	30°	182.5 x 7.0	KV 150-4	
<b>5 系列 / Series 5 (PN 400)</b>									
32	UKG (UKN) 32-5	400	48.3x8.8	76	79	30°	53.0 x 5.3	KV 32-5	
40	UKG (UKN) 40-5	400	60.0x11.0	92	97	30°	61.5 x 5.3	KV 40-5	
50	UKG (UKN) 50-5	400	76.1x14.2	108	108	30°	75.0 x 6.0	KV 50-5	
65	UKG (UKN) 65-5	400	101.6x20.0	135	135	30°	88.0 x 6.0	KV 65-5	
80	UKG (UKN) 80-5	400	133.0x25.0	168	150	30°	115.0 x 6.0	KV 80-5	
100	UKG (UKN) 100-5	400	152.4x30.0	205	189	30°	147.5 x 7.0	KV 100-5	
125	UKG (UKN) 125-5	400	219.1x45.0	245	199	30°	182.5 x 7.0	KV 125-5	
<b>6 系列 / Series 6 (PN 500)</b>									
12	UKG (UKN) 12-6	500	25.0x6.0	43	44	30°	22.4 x 2.65	KV 12-6	
16	UKG (UKN) 16-6	500	30.0x7.0	50	54	30°	25.0 x 2.65	KV 16-6	
20	UKG (UKN) 20-6	500	38.0x8.8	63	64	30°	31.5 x 3.55	KV 20-6	
25	UKG (UKN) 25-6	500	48.3x10.0	76	79	30°	37.5 x 3.55	KV 25-6	
32	UKG (UKN) 32-6	500	60.3x14.2	90	89	30°	43.7 x 3.55	KV 32-6	
40	UKG (UKN) 40-6	500	76.1x17.5	108	104	30°	56.0 x 5.3	KV 40-6	
50	UKG (UKN) 50-6	500	88.9x20.0	125	114	30°	63.0 x 5.3	KV 50-6	
65	UKG (UKN) 65-6	500	114.3x25.0	154	134	30°	75.0 x 6.0	KV 65-6	
80	UKG (UKN) 80-6	500	139.7x30.0	182	164	30°	88.0 x 6.0	KV 80-6	
100	UKG (UKN) 100-6	500	168.3x35.0	218	189	30°	115.0 x 6.0	KV 100-6	
125	UKG (UKN) 125-6	500	219.1x50.0	275	209	30°	147.5 x 7.0	KV 125-6	
150	UKG (UKN) 150-6	500	273.0x55.0	340	324	30°	182.5 x 7.0	KV 150-6	



**UKB / UKBN 方法兰用闷头 / 平闷头**

UKB / UKBN Plug Heads with/without Groove for Square-flanges


**订货代号示例:**

通径 DN25, 4 系列 (PN 320) 不锈钢 (材料代号 1.4571) 制 UKB 方法兰闷头(或 UKBN 方法兰用平闷头), 其订货代号应为:

**Ordering Example:**

For DN25, series 4 (PN 320), stainless steel made UKB plug heads (or UKBN plug heads without grooves) for square-flanges, the ordering code should be:

**UKB (or UKBN) 25-4 / 1.4571**
**安装尺寸 / Dimensions**

mm

公称规格 Nom. Size	型式代号 Type Code	最高工作压力 Max. Pressure	尺寸 Dimensions			配用 O 型密封圈 O-Ring	配用法兰 Flanges	重量 Weight	
			C	d1	l				
DN		bar						kg	
<b>0 系列 / Series 0 (PN 10-64)</b>									
32	UKB (UKBN) 32-0	64	42.4	55	29	42.5 x 3.55	KV 25-4	0.38	
40	UKB (UKBN) 40-0	64	48.3	59	34	47.5 x 3.55	KV 32-4	0.54	
50	UKB (UKBN) 50-0	64	60.3	76	43	56.0 x 3.55	KV 40-4	1.10	
65	UKB (UKBN) 65-0	64	76.1	92	52	75.0 x 3.55	KV 50-4	2.02	
80	UKB (UKBN) 80-0	64	88.9	108	53	85.0 x 5.3	KV 65-4	2.84	
90	UKB (UKBN) 90-0	64	114.0	135	64	95.0 x 5.3	KV 80-4	5.47	
100	UKB (UKBN) 100-0	64	114.0	135	64	106.0 x 5.3	KV 80-4	5.47	
125	UKB (UKBN) 125-0	64	150.0	168	75	132.0 x 7.0	KV 100-4	10.45	
150	UKB (UKBN) 150-0	64	175.0	205	85	157.5 x 7.0	KV 125-4	16.92	
<b>2 系列 / Series 2 (PN 160)</b>									
12	UKB (UKBN) 12-2	160	17.2	28	26	17.0 x 2.65	KV 10-4	0.07	
16	UKB (UKBN) 16-2	160	26.9	38	26	25.0 x 2.65	KV 12-4	0.15	
20	UKB (UKBN) 20-2	160	26.9	38	26	25.0 x 2.65	KV 16-4	0.15	
25	UKB (UKBN) 25-2	160	33.7	46	29	30.0 x 2.65	KV 20-4	0.23	
32	UKB (UKBN) 32-2	160	42.4	55	34	34.5 x 2.65	KV 25-4	0.38	
40	UKB (UKBN) 40-2	160	48.3	59	43	46.2 x 3.55	KV 32-4	0.54	
50	UKB (UKBN) 50-2	160	60.3	76	52	53.0 x 5.3	KV 40-4	1.10	
65	UKB (UKBN) 65-2	160	76.1	92	53	69.0 x 5.3	KV 50-4	2.02	
80	UKB (UKBN) 80-2	160	88.9	108	64	100.0 x 6.0	KV 65-4	2.84	
100	UKB (UKBN) 100-2	160	114.0	135	75	106.0 x 6.0	KV 80-4	5.47	
125	UKB (UKBN) 125-2	160	150.0	168	85	132.0 x 7.0	KV 100-4	10.45	
150	UKB (UKBN) 150-2	160	175.0	205	94	147.5 x 7.0	KV 125-4	16.92	
<b>3 系列 / Series 3 (PN 250)</b>									
10	UKB (UKBN) 10-3	250	17.2	28	26	17.0 x 2.65	KV 10-4	0.07	
12	UKB (UKBN) 12-3	250	26.9	38	26	25.0 x 2.65	KV 12-4	0.15	
16	UKB (UKBN) 16-3	250	26.9	38	26	25.0 x 2.65	KV 16-4	0.15	
20	UKB (UKBN) 20-3	250	33.7	46	26	28.0 x 2.65	KV 20-4	0.23	
25	UKB (UKBN) 25-3	250	42.4	55	29	32.5 x 3.55	KV 25-4	0.38	
32	UKB (UKBN) 32-3	250	48.3	59	34	37.0 x 3.55	KV 32-4	0.54	
40	UKB (UKBN) 40-3	250	60.3	76	43	50.0 x 5.3	KV 40-4	1.10	
50	UKB (UKBN) 50-3	250	76.1	92	52	60.0 x 5.3	KV 50-4	2.02	
65	UKB (UKBN) 65-3	250	88.9	108	53	75.0 x 6.0	KV 65-4	2.84	
80	UKB (UKBN) 80-3	250	114.0	135	64	88.0 x 6.0	KV 80-4	5.47	
100	UKB (UKBN) 100-3	250	150.0	168	75	115.0 x 6.0	KV 100-4	10.45	
125	UKB (UKBN) 125-3	250	175.0	205	85	147.5 x 7.0	KV 125-4	16.92	
150	UKB (UKBN) 150-3	250	215.0	245	94	182.5 x 7.0	KV 150-4	27.42	

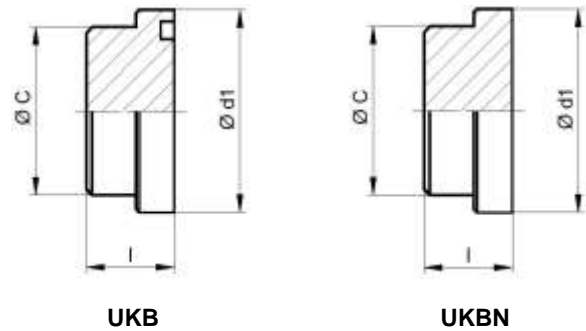


## 方法兰系列 / Square-flange Series



UKB/UKBN 方法兰用闷头/平闷头 / UKB/UKBN Plug Heads With/without Groove for Square-flanges

### 安装尺寸(续) / Dimensions (continued)

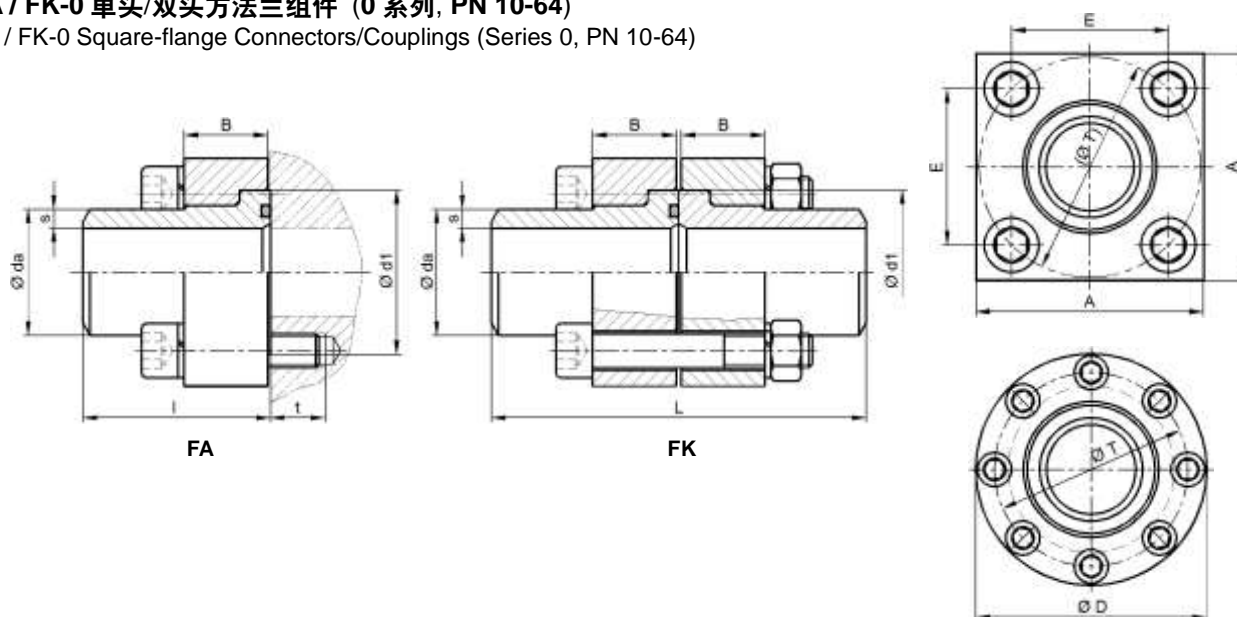


mm

公称规格 Nom. Size	型式代号 Type Code	最高工作压力 Max. Pressure	尺寸 Dimensions			配用 O 型密封圈 O-Ring	配用法兰 Flanges	重量 Weight
			C	d1	l			
<b>4 系列 / Series 4 (PN 320)</b>								
10	UKB (UKBN) 10-4	250	17.2	28	26	17.0 x 2.65	KV 10-4	0.07
12	UKB (UKBN) 12-4	250	26.9	38	26	25.0 x 2.65	KV 12-4	0.15
16	UKB (UKBN) 16-4	250	26.9	38	26	25.0 x 2.65	KV 16-4	0.15
20	UKB (UKBN) 20-4	250	33.7	46	26	28.0 x 2.65	KV 20-4	0.23
25	UKB (UKBN) 25-4	250	42.4	55	29	32.5 x 3.55	KV 25-4	0.38
32	UKB (UKBN) 32-4	250	48.3	59	34	37.0 x 3.55	KV 32-4	0.54
40	UKB (UKBN) 40-4	250	60.3	76	43	50.0 x 5.3	KV 40-4	1.10
50	UKB (UKBN) 50-4	250	76.1	92	52	60.0 x 5.3	KV 50-4	2.02
65	UKB (UKBN) 65-4	250	88.9	108	53	75.0 x 6.0	KV 65-4	2.84
70	UKB (UKBN) 70-4	250	114.0	135	64	88.0 x 6.0	KV 80-4	5.47
80	UKB (UKBN) 80-4	250	114.0	135	64	88.0 x 6.0	KV 80-4	5.47
100	UKB (UKBN) 100-4	250	150.0	168	75	115.0 x 6.0	KV 100-4	10.45
125	UKB (UKBN) 125-4	250	175.0	205	85	147.5 x 7.0	KV 125-4	16.92
150	UKB (UKBN) 150-4	250	215.0	245	94	182.5 x 7.0	KV 150-4	27.42
<b>5 系列 / Series 5 (PN 400)</b>								
32	UKB (UKBN) 32-5	400	65.0	76	40	53.0 x 5.3	KV 32-5	1.10
40	UKB (UKBN) 40-5	400	80.0	92	50	61.5 x 5.3	KV 40-5	2.04
50	UKB (UKBN) 50-5	400	98.0	108	53	75.0 x 6.0	KV 50-5	3.10
65	UKB (UKBN) 65-5	400	112.5	135	58	88.0 x 6.0	KV 65-5	4.88
80	UKB (UKBN) 80-5	400	160.0	172	72	115.0 x 6.0	KV 80-5	10.94
100	UKB (UKBN) 100-5	400	192.5	205	80	147.5 x 7.0	KV 100-5	17.38
125	UKB (UKBN) 125-5	400	260.0	273	90	182.5 x 7.0	KV 125-5	35.24
<b>6 系列 / Series 6 (PN 500)</b>								
12	UKB (UKBN) 12-6	500	33.0	43	30	22.4 x 2.65	KV 12-6	0.24
16	UKB (UKBN) 16-6	500	40.0	50	32	25.0 x 2.65	KV 16-6	0.36
20	UKB (UKBN) 20-6	500	52.5	63	32	31.5 x 3.55	KV 20-6	0.58
25	UKB (UKBN) 25-6	500	65.5	76	36	37.5 x 3.55	KV 25-6	0.99
32	UKB (UKBN) 32-6	500	79.0	90	40	43.7 x 3.55	KV 32-6	1.57
40	UKB (UKBN) 40-6	500	98.0	108	50	56.0 x 5.3	KV 40-6	2.92
50	UKB (UKBN) 50-6	500	113.5	125	53	63.0 x 5.3	KV 50-6	4.14
65	UKB (UKBN) 65-6	500	141.5	154	58	75.0 x 6.0	KV 65-6	6.96
80	UKB (UKBN) 80-6	500	169.5	182	72	88.0 x 6.0	KV 80-6	12.23
100	UKB (UKBN) 100-6	500	205.5	218	80	115.0 x 6.0	KV 100-6	19.73
125	UKB (UKBN) 125-6	500	262.5	275	90	147.5 x 7.0	KV 125-6	35.77
150	UKB (UKBN) 150-6	500	327.5	340	100	182.5 x 7.0	KV 150-6	61.32

**FA / FK-0 单头/双头方法兰组件 (0 系列, PN 10-64)**

FA / FK-0 Square-flange Connectors/Couplings (Series 0, PN 10-64)


**订货代号示例:**

通径 DN 50, 0 系列 (PN 10-64) FA 单头 (或 FK 双头) 方法兰组件, 碳钢制法兰, 不锈钢 (材料代号 1.4571) 制焊接接管, 其订货代号应为:

**FA (或 FK) 50-0 / ST / 1.4571**
**Ordering Example:**

For DN 50, series 0 (PN 10-64) FA square-flange connectors (or FK square-flange couplings), carbon steel flange clamps with stainless steel (material code: 1.4571) weld-on heads, the ordering code should be:

**FA (or FK) 50-0 / ST / 1.4571**
**安装尺寸 / Dimensions**

mm

公称规格 Nom. Size	型式代号 Type Code	公称压力 Nom. Prs.	尺寸 Dimensions										配用螺栓 Screws	O型密封圈 O-Ring	重量 Weight
			DN	PN	da x s	A	D	B	E	T	d1	t			
32	FA	10-64	42.4 x 2.6	80	-	24	50.9	(72)	55	24	63	126	4 - M12 x 45 4 - M12 x 70	42.5 x 3.55	1.40
	FK		42.4 x 2.6												2.65
40	FA	10-64	48.3 x 2.6	90	-	29	56.6	(80)	60	30	67	134	4 - M16 x 55 4 - M16 x 90	47.5 x 3.55	2.00
	FK		48.3 x 2.6												3.90
50	FA	10-64	60.3 x 2.9	100	-	38	69.3	(98)	76	32	79	158	4 - M16 x 65 4 - M16 x 110	56.0 x 3.55	3.00
	FK		60.3 x 4.5												5.90
65	FA	10-64	76.1 x 2.9	120	-	48	83.4	(118)	92	36	97	194	4 - M20 x 80 4 - M20 x 130	75.0 x 3.55	5.20
	FK		76.1 x 3.6												9.90
80	FA	10-64	88.9 x 3.2	150	-	48	102.5	(145)	110	38	108	216	4 - M24 x 80 4 - M24 x 140	85.0 x 5.3	9.00
	FK		88.9 x 4.0												17.45
90	FA	10-64	101.6 x 7.1	180	-	59	123.7	(175)	135	56	135	270	4 - M30 x 110 4 - M30 x 170	95.0 x 5.3	15.50
	FK		101.6 x 7.1												30.50
100	FA	10-64	114.3 x 3.6	180	-	59	123.7	(175)	135	56	135	270	4 - M30 x 110 4 - M30 x 170	106.0 x 5.3	16.50
	FK		114.3 x 7.1												31.65
125	FA	10-64	139.7 x 8.0	-	245	69	-	200	168	48	150	300	8 - M24 x 110 8 - M24 x 180	132.0 x 7.0	26.95
	FK		139.7 x 10.0												53.60
150	FA	10-64	168.3 x 10.0	-	300	79	-	245	205	58	189	378	8 - M30 x 130 8 - M30 x 210	157.5 x 7.0	46.50
	FK		168.3 x 12.0												92.75

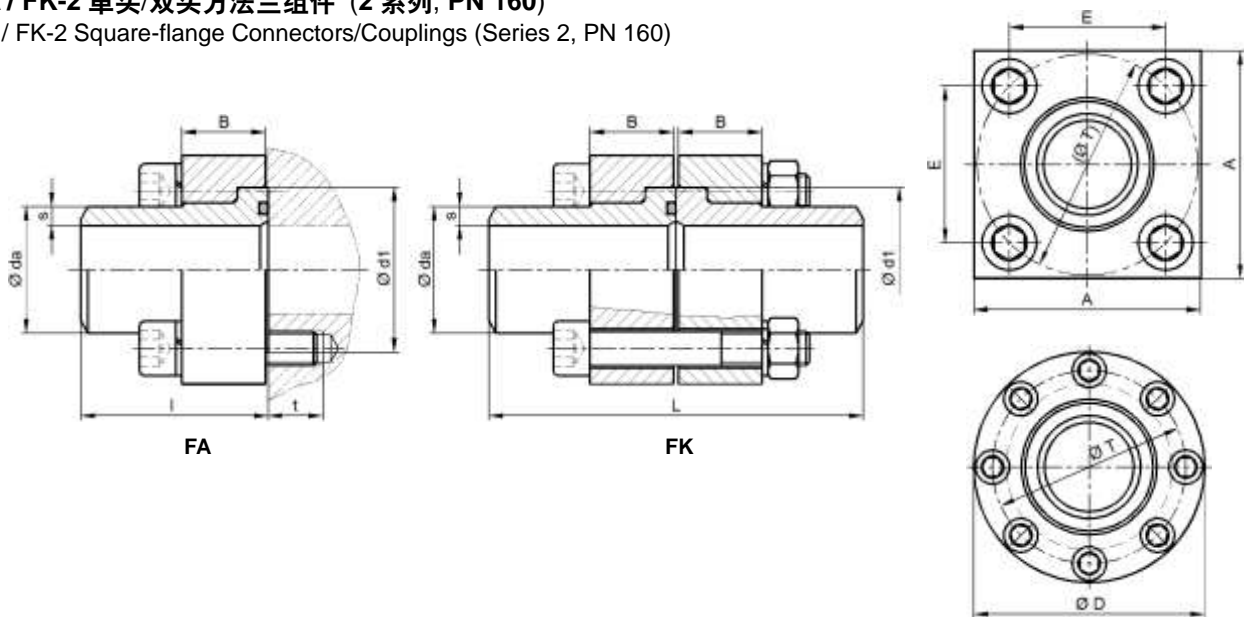
## 方法兰系列 / Square-flange Series

FA/FK-2 单头/双头方法兰组件 / FA/FK-2 Square-flange Connectors/Couplings



### FA / FK-2 单头/双头方法兰组件 (2 系列, PN 160)

FA / FK-2 Square-flange Connectors/Couplings (Series 2, PN 160)



#### 订货代号示例:

通径 DN 25, 2 系列 (PN 160) FA 单头 (或 FK 双头) 方法兰组件, 碳钢制法兰, 不锈钢 (材料代号 1.4571) 制焊接接管, 其订货代号应为:

**FA (或 FK) 25-2 / ST / 1.4571**

#### Ordering Example:

For DN25, series 2 (PN 160) FA square-flange connectors (or FK square-flange couplings), carbon steel flange clamps with stainless steel (material code: 1.4571) weld-on heads, the ordering code should be:

**FA (or FK) 25-2 / ST / 1.4571**

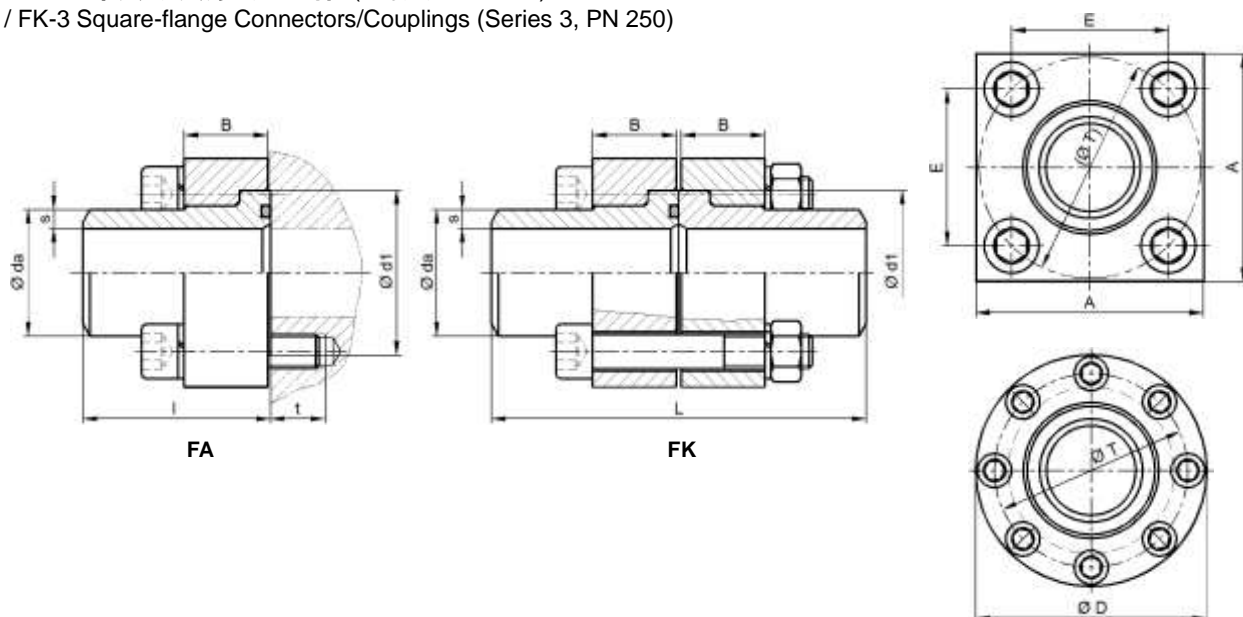
#### 安装尺寸 / Dimensions

mm

公称规格 Nom. Size	型式代号 Type Code	公称压力 Nom. Prs.	尺寸 Dimensions										O 型密封圈 O-Ring	重量 Weight	
			da x s	A	D	B	E	T	d1	t	l	L			
12	FA FK 12-2	160	16.0 x 1.5 16.0 x 2.0	50	-	19	31.1	(44)	28	20	42	84	4 - M10 x 35 4 - M10 x 55	17.0 x 2.65	0.4 0.75
16	FA FK 16-2	160	20.0 x 2.5 20.0 x 2.5	60	-	19	38.2	(54)	38	20	49	98	4 - M10 x 35 4 - M10 x 55	25.0 x 2.65	0.65 1.15
20	FA FK 20-2	160	25.0 x 2.5 25.0 x 3.0	60	-	19	38.2	(54)	38	20	49	98	4 - M10 x 35 4 - M10 x 55	25.0 x 2.65	0.7 1.2
25	FA FK 25-2	160	30.0 x 3.0 30.0 x 4.0	70	-	19	45.3	(64)	46	25	55	110	4 - M12 x 40 4 - M12 x 60	30.0 x 2.65	0.9 1.7
32	FA FK 32-2	160	38.0 x 4.0 38.0 x 5.0	80	-	24	50.9	(72)	55	25	63	126	4 - M12 x 45 4 - M12 x 70	34.5 x 2.65	1.4 2.65
40	FA FK 40-2	160	48.3 x 4.0 48.3 x 5.0	90	-	29	56.6	(80)	59	30	67	134	4 - M16 x 55 4 - M16 x 90	46.2 x 3.55	2.0 3.8
50	FA FK 50-2	160	60.3 x 5.0 60.3 x 6.3	100	-	38	69.3	(98)	76	32	79	158	4 - M16 x 65 4 - M16 x 110	53.0 x 5.3	3.0 5.9
65	FA FK 65-2	160	76.1 x 6.3 76.1 x 7.1	120	-	48	83.4	(118)	92	38	97	194	4 - M20 x 80 4 - M20 x 130	69.0 x 5.3	5.2 9.9
80	FA FK 80-2	160	101.6 x 8.8 101.6 x 10.0	180	-	59	123.7	(175)	135	56	135	270	4 - M30 x 110 4 - M30 x 170	100.0 x 6.0	16.5 31.65
100	FA FK 100-2	160	114.3 x 10.0 114.3 x 11.0	180	-	59	123.7	(175)	135	56	135	270	4 - M30 x 110 4 - M30 x 170	106.0 x 6.0	16.9 32.15
125	FA FK 125-2	160	152.4 x 12.5 152.4 x 16.0	-	245	69	-	200	168	48	150	300	8 - M24 x 110 8 - M24 x 180	132.0 x 7.0	26.95 53.6
150	FA FK 150-2	160	117.8 x 16.8 177.8 x 17.5	-	300	79	-	245	205	58	189	378	8 - M30 x 130 8 - M30 x 210	147.5 x 7.0	46.95 92.75

**FA / FK-3 单头/双头方法兰组件 (3 系列, PN 250)**

FA / FK-3 Square-flange Connectors/Couplings (Series 3, PN 250)


**订货代号示例:**

通径 DN 25, 3 系列 (PN 250) FA 单头 (或 FK 双头) 方法兰组件, 碳钢制法兰, 不锈钢 (材料代号 1.4571) 制焊接接管, 其订货代号应为:

**FA (或 FK) 25-3 / ST / 1.4571**
**Ordering Example:**

For DN25, series 3 (PN 250) FA square-flange connectors (or FK square-flange couplings), carbon steel flange clamps with stainless steel (material code: 1.4571) weld-on heads, the ordering code should be:

**FA (or FK) 25-3 / ST / 1.4571**
**安装尺寸 / Dimensions**

mm

公称规格 Nom. Size	型式代号 Type Code	公称压力 Nom. Prs.	尺寸 Dimensions										配用螺栓 Screws	O 型密封圈 O-Ring	重量 Weight
			DN	PN	da x s	A	D	B	E	T	d1	t			
10	FA FK 10-3	250	16 x 2.0 16 x 2.6	50	-	19	31.1	(44)	28	20	42	84	4 - M10 x 35 4 - M10 x 55	17.0 x 2.65	0.4 0.8
12	FA FK 12-3	250	20 x 2.5 20 x 2.9	60	-	19	38.2	(54)	38	20	49	98	4 - M10 x 35 4 - M10 x 55	25.0 x 2.65	0.7 1.2
16	FA FK 16-3	250	21.3 x 3.6 21.3 x 2.6	60	-	19	38.2	(54)	38	20	49	98	4 - M10 x 35 4 - M10 x 55	25.0 x 2.65	0.7 1.2
20	FA FK 20-3	250	26.9 x 3.6 26.9 x 3.6	70	-	19	45.3	(64)	46	25	55	110	4 - M12 x 40 4 - M12 x 60	28.0 x 2.65	0.9 1.7
25	FA FK 25-3	250	33.7 x 4.5 33.7 x 4.5	80	-	24	50.9	(72)	55	25	63	126	4 - M12 x 45 4 - M12 x 70	32.5 x 3.55	1.4 2.7
32	FA FK 32-3	250	42.4 x 5.6 42.4 x 5.6	90	-	29	56.6	(80)	59	30	67	134	4 - M16 x 55 4 - M16 x 90	37.0 x 3.55	2.1 4.0
40	FA FK 40-3	250	60.3 x 8.0 60.3 x 8.0	100	-	38	69.3	(98)	76	32	79	158	4 - M16 x 65 4 - M16 x 110	50.0 x 5.3	3.1 6.0
50	FA FK 50-3	250	70.0 x 8.8 76.1 x 10.0	120	-	48	83.4	(118)	92	38	97	194	4 - M20 x 80 4 - M20 x 130	60.0 x 5.3	5.4 10.3
65	FA FK 65-3	250	88.9 x 11.0 88.9 x 11.0	150	-	48	102.5	(145)	108	38	108	216	4 - M20 x 80 4 - M20 x 140	75.0 x 6.0	9.0 17.5
80	FA FK 80-3	250	101.6 x 12.5 101.6 x 14.2	180	-	59	123.7	(175)	135	56	135	270	4 - M30 x 110 4 - M30 x 170	88.0 x 6.0	16.9 32.6
100	FA FK 100-3	250	139.7 x 17.5 139.7 x 20.0	-	245	69	-	200	168	48	150	300	8 - M24 x 110 8 - M24 x 180	115.0 x 6.0	27.9 54.0
125	FA FK 125-3	250	168.3 x 20.0 168.3 x 22.0	-	300	79	-	245	205	58	189	378	8 - M30 x 130 8 - M30 x 210	147.5 x 7.0	47.7 90.0
150	FA FK 150-3	250	193.7 x 25.0 193.7 x 25.0	-	355	88	-	290	245	58	199	398	8 - M36 x 140 8 - M36 x 240	182.5 x 7.0	53.2 105.0

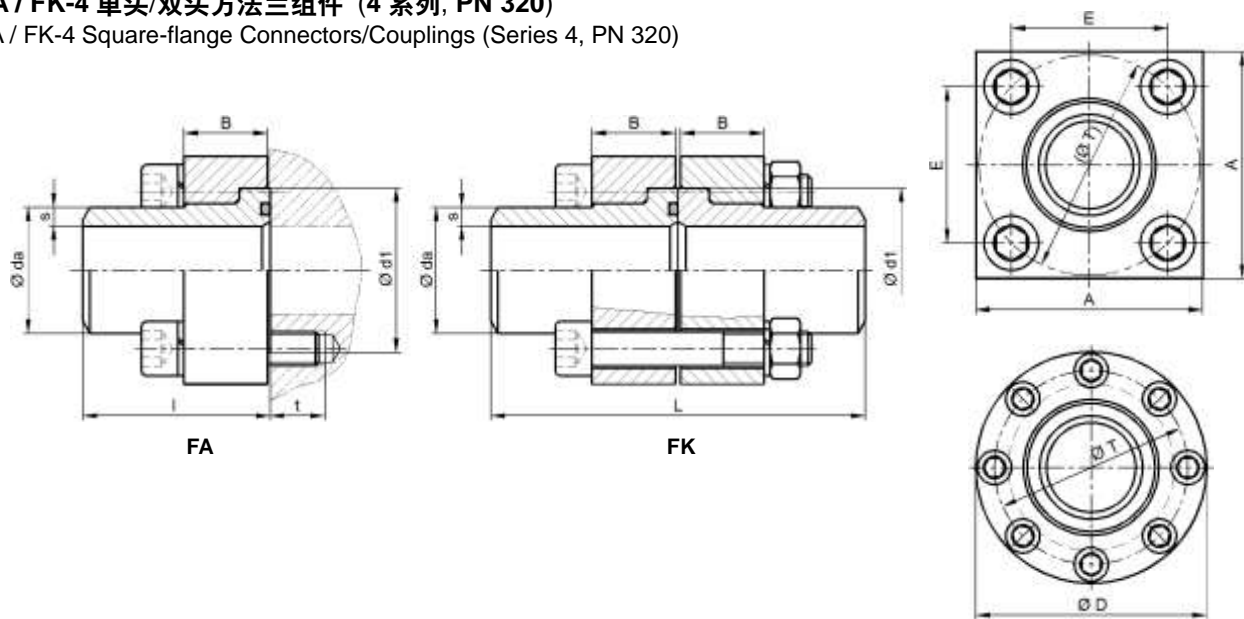
## 方法兰系列 / Square-flange Series

FA/FK-4 单头/双头方法兰组件 / FA/FK-4 Square-flange Connectors/Couplings



### FA / FK-4 单头/双头方法兰组件 (4 系列, PN 320)

FA / FK-4 Square-flange Connectors/Couplings (Series 4, PN 320)



#### 订货代号示例:

通径 DN 25, 4 系列 (PN 320) FA 单头 (或 FK 双头) 方法兰组件, 碳钢制法兰, 不锈钢 (材料代号 1.4571) 制焊接接管, 其订货代号应为:

**FA (或 FK) 25-4 / ST / 1.4571**

#### Ordering Example:

For DN25, series 4 (PN 320) FA square-flange connectors (or FK square-flange couplings), carbon steel flange clamps with stainless steel (material code: 1.4571) weld-on heads, the ordering code should be:

**FA (or FK) 25-4 / ST / 1.4571**

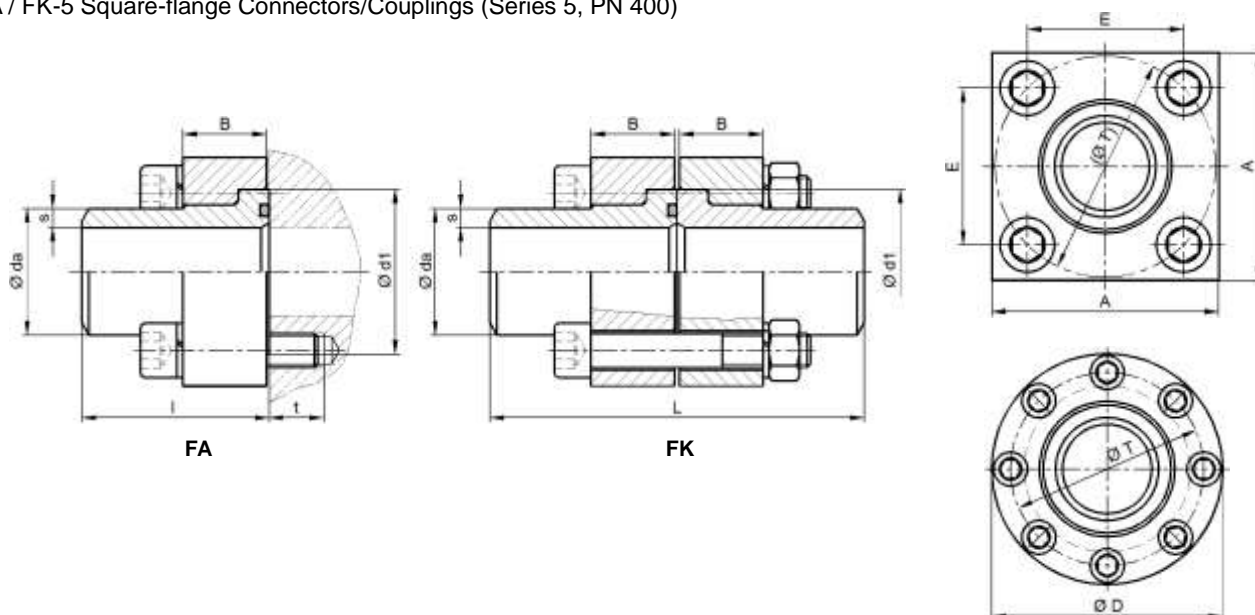
#### 安装尺寸 / Dimensions

公称规格 Nom. Size	型式代号 Type Code	公称压力 Nom. Prs.	尺寸 Dimensions										O 型密封圈 O-Ring	重量 Weight	
			da x s	A	D	B	E	T	d1	t	l	L			
10	FA FK 10-4	320	17.2 x 3.6 17.2 x 3.6	50	-	19	31.1	(44)	28	20	42	84	4 - M10 x 35 4 - M10 x 55	17.0 x 2.65	0.45 0.81
12	FA FK 12-4	320	20.0 x 4.0 21.3 x 3.6	60	-	19	38.2	(54)	38	20	49	98	4 - M10 x 35 4 - M10 x 55	25.0 x 2.65	0.65 1.19
16	FA FK 16-4	320	26.9 x 4.5 26.9 x 4.5	60	-	19	38.2	(54)	38	20	49	98	4 - M10 x 35 4 - M10 x 55	25.0 x 2.65	0.7 1.21
20	FA FK 20-4	320	33.7 x 5.6 33.7 x 5.6	70	-	19	45.3	(64)	46	25	55	110	4 - M12 x 40 4 - M12 x 60	28.0 x 2.65	0.9 1.7
25	FA FK 25-4	320	42.4 x 7.1 42.4 x 7.1	80	-	24	50.9	(72)	55	25	63	126	4 - M12 x 45 4 - M12 x 70	32.5 x 3.55	1.45 2.7
32	FA FK 32-4	320	48.3 x 8.0 48.3 x 8.0	90	-	29	56.6	(80)	59	30	67	134	4 - M16 x 55 4 - M16 x 90	37.0 x 3.55	2.2 4.15
40	FA FK 40-4	320	60.3 x 10.0 60.3 x 10.0	100	-	38	69.3	(98)	76	32	79	158	4 - M16 x 65 4 - M16 x 110	50.0 x 5.3	3.2 6.25
50	FA FK 50-4	320	76.1 x 12.5 76.1 x 12.5	120	-	48	83.4	(118)	92	38	97	194	4 - M20 x 80 4 - M20 x 130	60.0 x 5.3	5.6 10.8
65	FA FK 65-4	320	88.9 x 14.2 88.9 x 14.2	150	-	48	102.5	(145)	108	38	108	216	4 - M20 x 80 4 - M20 x 140	75.0 x 6.0	9.5 18.35
70	FA FK 70-4	320	101.6 x 16.0 101.6 x 16.0	180	-	59	123.7	(175)	135	56	135	270	4 - M30 x 110 4 - M30 x 170	88.0 x 6.0	17.6 33.8
80	FA FK 80-4	320	101.6 x 16.0 101.6 x 16.0	180	-	59	123.7	(175)	135	56	135	270	4 - M30 x 110 4 - M30 x 170	88.0 x 6.0	17.6 33.8
100	FA FK 100-4	320	114.3 x 17.5 114.3 x 20.0	-	245	69	-	200	168	48	150	300	8 - M24 x 110 8 - M24 x 180	115.0 x 6.0	29.3 57.2
125	FA FK 125-4	320	139.7 x 22.2 152.5 x 28.0	-	300	79	-	245	205	58	189	378	8 - M30 x 130 8 - M30 x 210	147.5 x 7.0	48.2 95.0
150	FA FK 150-4	320	193.7 x 30.0 193.7 x 30.0	-	355	88	-	290	245	58	199	398	8 - M36 x 140 8 - M36 x 240	182.5 x 7.0	55.1 109.2
150	FA FK 150-4	320	219.1 x 36.0 219.1 x 38.0	-	355	88	-	290	245	58	199	398	8 - M36 x 140 8 - M36 x 240	182.5 x 7.0	55.1 109.2



**FA / FK-5 单头/双头方法兰组件 (5 系列, PN 400)**

FA / FK-5 Square-flange Connectors/Couplings (Series 5, PN 400)


**订货代号示例:**

通径 DN 25, 5 系列 (PN 400) FA 单头 (或 FK 双头) 方法兰组件, 碳钢制法兰, 不锈钢 (材料代号 1.4571) 制焊接接管, 其订货代号应为:

**FA (或 FK) 25-5 / ST / 1.4571**
**Ordering Example:**

For DN25, series 5 (PN 400) FA square-flange connectors (or FK square-flange couplings), carbon steel flange clamps with stainless steel (material code: 1.4571) weld-on heads, the ordering code should be:

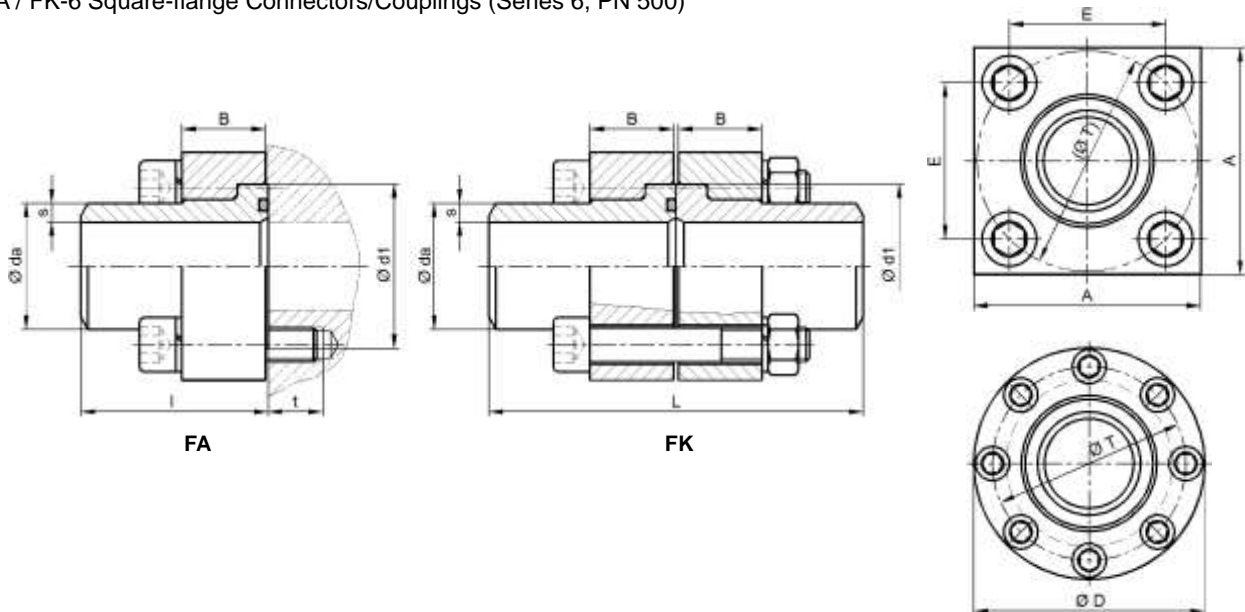
**FA (or FK) 25-5 / ST / 1.4571**
**安装尺寸 / Dimensions**

mm

公称规格 Nom. Size	型式代号 Type Code	公称压力 Nom. Prs.	尺寸 Dimensions										配用螺栓 Screws	O 型密封圈 O-Ring	重量 Weight
			DN	da x s	A	D	B	E	T	d1	t	l			
32	FA	400	48.3 x 8.8	100	-	38	69.3	(98)	76	32	79	158	4 - M16 x 65	53.0 x 5.3	3.2
	FK												4 - M16 x 110		6.25
40	FA	400	60.3 x 11.0	120	-	48	83.4	(118)	92	38	97	194	4 - M20 x 80	61.5 x 5.3	5.6
	FK												4 - M20 x 130		10.8
50	FA	400	76.1 x 14.2	150	-	48	102.5	(145)	108	38	108	216	4 - M20 x 80	75.0 x 6.0	9.5
	FK												4 - M20 x 140		18.35
65	FA	400	101.6 x 20.0	180	-	59	123.7	(175)	135	56	135	270	4 - M30 x 110	88.0 x 6.0	17.6
	FK												4 - M30 x 170		33.8
80	FA	400	133.0 x 25.0	-	245	69	-	200	172	48	150	300	8 - M24 x 110	115.0 x 6.0	29.3
	FK												8 - M24 x 180		57.2
100	FA	400	152.4 x 30.0	-	300	79	-	245	205	58	189	378	8 - M30 x 130	147.5 x 7.0	48.2
	FK												8 - M30 x 210		90.0
125	FA	400	219.1 x 45.0	-	390	88	-	315	273	58	199	398	8 - M36 x 140	182.5 x 7.0	53.2
	FK												8 - M36 x 240		109.2

**FA / FK-6 单头/双头方法兰组件 (6 系列, PN 500)**

FA / FK-6 Square-flange Connectors/Couplings (Series 6, PN 500)



**订货代号示例:**

通径 DN 25, 6 系列 (PN 500) FA 单头 (或 FK 双头) 方法兰组件, 碳钢制法兰, 不锈钢 (材料代号 1.4571) 制焊接接管, 其订货代号应为:

**FA (或 FK) 25-6 / ST / 1.4571**

**Ordering Example:**

For DN25, series 6 (PN 500) FA square-flange connectors (or FK square-flange couplings), carbon steel flange clamps with stainless steel (material code: 1.4571) weld-on heads, the ordering code should be:

**FA (or FK) 25-6 / ST / 1.4571**

**安装尺寸 / Dimensions**

公称规格 Nom. Size	型式代号 Type Code	公称压力 Nom. Prs.	尺寸 Dimensions										O 型密封圈 O-Ring	重量 Weight	
			DN	PN	da x s	A	D	B	E	T	d1	t			l
12	FA FK 12-6	500	25.0 x 6.0	65	-	26	42.4	(60)	43	18	44	88	4 - M12 x 40 4 - M12 x 70	22.4 x 2.65	1.02 1.93
16	FA FK 16-6	500	30.0 x 7.0	75	-	30	47.4	(67)	50	18	54	108	4 - M12 x 45 4 - M12 x 80	25.0 x 2.65	1.51 2.87
20	FA FK 20-6	500	38.0 x 8.8	90	-	37	59.4	(84)	63	24	64	128	4 - M16 x 55 4 - M16 x 100	31.5 x 3.55	2.70 5.12
25	FA FK 25-6	500	48.3 x 10.0	120	-	48	71.4	(101)	76	36	79	158	4 - M20 x 80 4 - M20 x 130	37.5 x 3.55	5.45 10.35
32	FA FK 32-6	500	60.3 x 14.2	140	-	55	88.4	(125)	90	36	89	178	4 - M24 x 85 4 - M24 x 140	43.7 x 3.55	9.08 17.25
40	FA FK 40-6	500	76.1 x 17.5	150	-	60	100.4	(142)	110	36	104	208	4 - M24 x 90 4 - M24 x 150	56.0 x 5.3	11.93 22.66
50	FA FK 50-6	500	88.9 x 20.0	180	-	68	118.8	(168)	125	45	114	228	4 - M30 x 110 4 - M30 x 170	63.0 x 5.3	19.45 36.95
65	FA FK 65-6	500	114.3 x 25.0	-	245	74	-	188	154	30	134	268	8 - M24 x 110 8 - M24 x 180	75.0 x 6.0	31.57 59.99
80	FA FK 80-6	500	139.7 x 30.0	-	300	82	-	228	182	50	164	328	8 - M36 x 130 8 - M36 x 210	88.0 x 6.0	59.20 112.48
100	FA FK 100-6	500	168.3 x 35.0	-	355	98	-	264	218	54	189	378	8 - M36 x 150 8 - M36 x 240	115.0 x 6.0	91.30 182.59
125	FA FK 125-6	500	219.1 x 50.0	-	300	105	-	327	275	55	209	418	8 - M42 x 160 8 - M42 x 250	147.5 x 7.0	151.66 303.30
150	FA FK 150-6	500	273.0 x 55.0	-	355	115	-	392	340	55	324	468	8 - M42 x 170 8 - M42 x 280	182.5 x 7.0	213.29 426.58

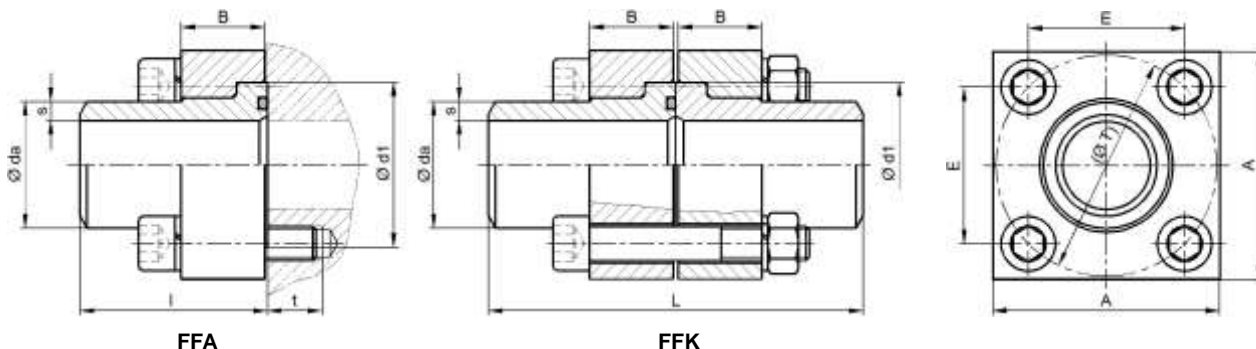


**FFA / FFK 单头/双头 ISO 方法兰组件 (3 系列, PN 250)**

FFA / FFK ISO Square-flange Connectors/Couplings (Series 3, PN 250)

Unifit FFA / FFK 单头/双头 ISO 方法兰组件产品系列符合标准 ISO 6164, 包含 3 (PN 250) 和 5 (PN 400) 两个压力等级系列, 分别对应于 ISO 6164-1 和 ISO 6164-2

Unifit FFA ISO square-flange connectors and FFK ISO square-flange couplings are according to the standard ISO 6164. There are two pressure grand series: series 3 (PN250) and series 5 (PN400). They sre in accordance with ISO 6164-1 and ISO 6164-2 respectively.


**订货代号示例:**

通径 DN 25, 3 系列 (PN 250) FFA 单头 (或 FFK 双头) ISO 方法兰组件, 碳钢制法兰, 不锈钢 (材料代号 1.4571) 制焊接接管, 其订货代号应为:

**FFA (或 FFK) 25-3 / ST / 1.4571**

**Ordering Example:**

For DN25, series 3 (PN 250) FFA ISO square-flange connectors (or FFK ISO square-flange couplings), carbon steel flange clamps with stainless steel (material code: 1.4571) weld-on heads, the ordering code should be:

**FFA (or FFK) 25-3 / ST / 1.4571**

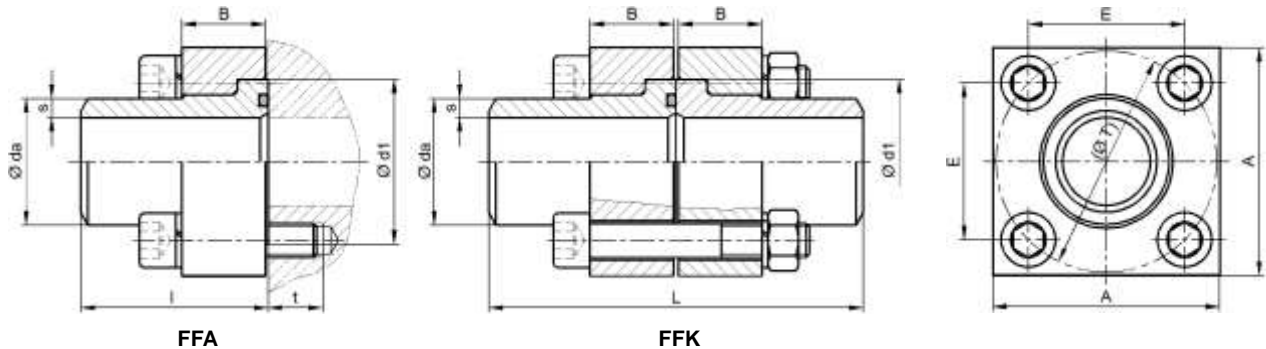
**安装尺寸 / Dimensions**

mm

公称规格 Nom. Size	型式代号 Type Code	工作压力 Prssure bar	尺寸 Dimensions									配用螺栓 Screws	O 型密封圈 O-Ring	重量 Weight kg	
			da x s	A	B	E	T	d1	t	l	L				
<b>3 系列 符合 ISO 6164-1 / Series 3 acc. ISO 6164-1 (PN 250)</b>															
10	FFA FFK 10-3	350	16.0 x 2.0	40	13	24.7	(35)	24.5	13	30	60	4 - M6 x 25 4 - M6 x 35	17 x 2.65		
13	FFA FFK 13-3	350	21.3 x 2.9	45	13	29.7	(42)	30.2	15	30	60	4 - M8 x 25 4 - M8 x 40	19 x 3.55		
19	FFA FFK 19-3	250	26.9 x 3.6	50	15	35.4	(50)	38.1	15	35	70	4 - M8 x 30 4 - M8 x 40	25 x 3.55		
25	FFA FFK 25-3	250	33.7 x 4.5	65	17	43.8	(62)	44.5	18	40	80	4 - M10 x 35 4 - M10 x 55	32.5 x 3.55		
32	FFA FFK 32-3	250	42.4 x 5.6	75	18	51.6	(73)	50.8	20	45	90	4 - M12 x 35 4 - M12 x 55	37.5 x 3.55		
38	FFA FFK 38-3	250	48.3 x 6.3	90	22	60.1	(85)	60.4	22	50	100	4 - M14 x 40 4 - M14 x 65	47.5 x 3.55		
51	FFA FFK 51-3	160	60.3 x 8.0	100	27	69.3	(98)	71.4	24	60	120	4 - M16 x 50 4 - M16 x 80	56 x 3.55		
56	FFA FFK 56-3	160	76.1 x 10.0	120	33	83.4	(118)	87.2	30	70	140	4 - M20 x 55 4 - M20 x 80	69 x 3.55		
63	FFA FFK 63-3	160	88.9 x 11.0	140	37	102.5	(145)	101.6	30	80	160	4 - M20 x 65 4 - M20 x 100	85 x 3.55		

**FFA / FFK 单头/双头 ISO 方法兰组件 (5 系列, PN 400)**

FFA / FFK ISO Square-flange Connectors/Couplings (Series 5, PN 400)



**订货代号示例:**

通径 DN 25, 5 系列 (PN 400) FFA 单头 (或 FFK 双头) ISO 方法兰组件, 碳钢制法兰, 不锈钢 (材料代号 1.4571) 制焊接接管, 其订货代号应为:

**FFA (或 FFK) 25-5 / ST / 1.4571**

**Ordering Example:**

For DN25, series 5 (PN 400) FFA ISO square-flange connectors (or FFK ISO square-flange couplings), carbon steel flange clamps with stainless steel (material code: 1.4571) weld-on heads, the ordering code should be:

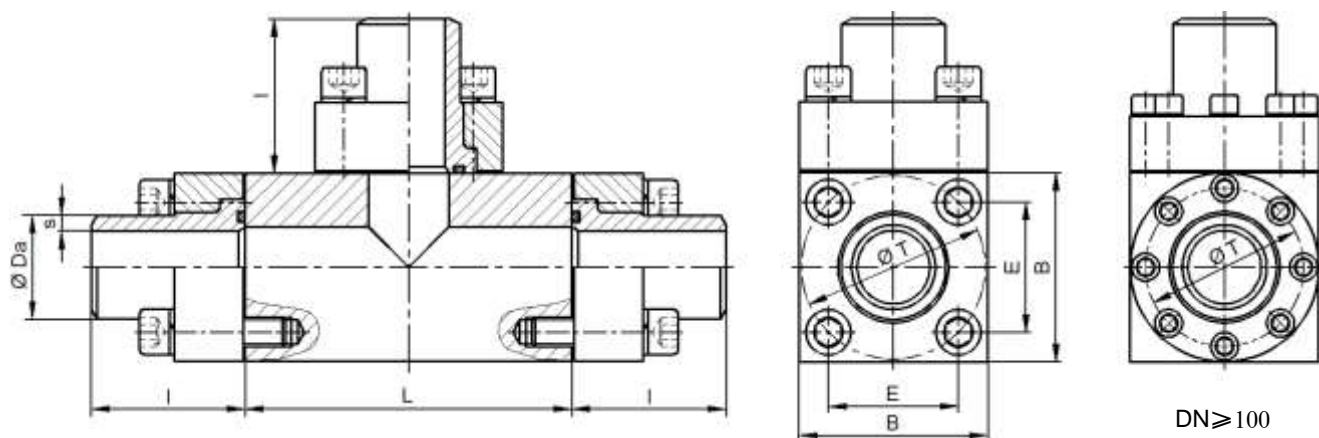
**FFA (or FFK) 25-5 / ST / 1.4571**

**安装尺寸 / Dimensions**

公称规格 Nom. Size	型式代号 Type Code	工作压力 Prssure	尺寸 Dimensions									配用螺栓 Screws	O 型密封圈 O-Ring	重量 Weight
			da x s	A	B	E	T	d1	t	l	L			
<b>5 系列 符合 ISO 6164-2 / Series 5 according to ISO 6164-2 (PN 400)</b>														
10	FFA FFK 10-5	420	16.0 x 2.5	40	15	24.7	(35)	26.0	13	35	70	4 - M6 x 25 4 - M6 x 40	17 x 2.65	
13	FFA FFK 13-5	420	21.3 x 4.5	45	15	29.7	(42)	31.7	15	40	80	4 - M8 x 25 4 - M8 x 40	19 x 3.55	
19	FFA FFK 19-5	420	26.9 x 5.6	50	18	35.4	(50)	41.3	15	45	90	4 - M8 x 30 4 - M8 x 50	25 x 3.55	
25	FFA FFK 25-5	420	33.7 x 7.1	65	23	43.8	(62)	47.6	18	50	100	4 - M10 x 40 4 - M10 x 65	32.5 x 3.55	
32	FFA FFK 32-5	420	42.4 x 8.8	75	28	51.6	(73)	54.0	20	55	110	4 - M12 x 45 4 - M12 x 80	37.5 x 3.55	
38	FFA FFK 38-5	420	48.3 x 8.8	90	29	60.1	(85)	63.5	22	60	120	4 - M14 x 50 4 - M14 x 80	47.5 x 3.55	
51	FFA FFK 51-5	350	60.3 x 12.5	100	37	69.3	(98)	79.4	24	70	140	4 - M16 x 60 4 - M16 x 100	56 x 5.3	
56	FFA FFK 56-5	350	76.1 x 12.5	120	44	83.4	(118)	92.0	30	80	160	4 - M20 x 70 4 - M20 x 120	69 x 5.3	
63	FFA FFK 63-5	350	88.9 x 17.5	150	48	102.5	(145)	110.0	32	90	180	4 - M24 x 75 4 - M24 x 120	75 x 5.3	
70	FFA FFK 70-5	250	101.6 x 16.0	160	48	113.1	(160)	119.0	32	105	210	4 - M24 x 90 4 - M24 x 140	85 x 5.3	
80	FFA FFK 80-5	250	114.3 x 20.0	180	59	123.7	(175)	135.0	40	135	270	4 - M30 x 90 4 - M30 x 150	87.5 x 5.3	

**FV 焊接式三通方法兰组件**

FV Welded Square-flange T-Connections


**订货代号示例:**

通径 DN 25, 3 系列 (PN 250) FV 焊接式三通方法兰组件, 碳钢制法兰, 不锈钢 (材料代号 1.4571) 制焊接接管, 其订货代号应为:

**FV 25-3 / ST / 1.4571**
**Ordering Example:**

For DN25, series 3 (PN250) FV welded square-flange T-connections, with carbon steel made flange clamps and stainless steel (material code: 1.4571) made weld-on heads, the ordering code should be:

**FV 25-3 / ST / 1.4571**
**安装尺寸 / Dimensions**

mm


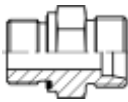
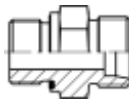
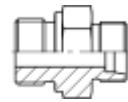
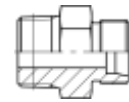
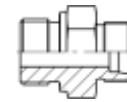
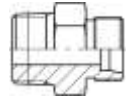

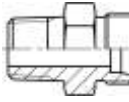
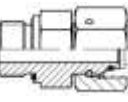
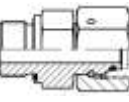
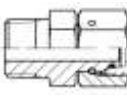
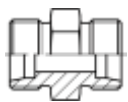
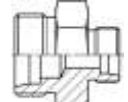
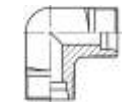
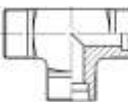
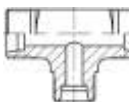
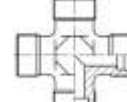
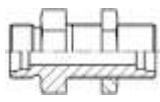
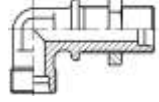
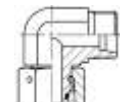

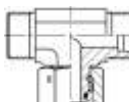
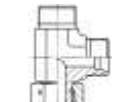


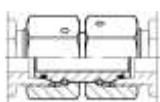
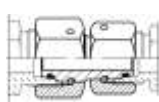


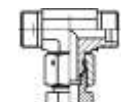
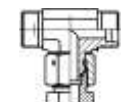
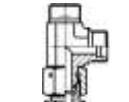


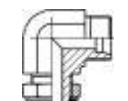
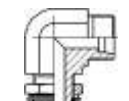

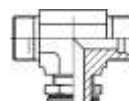
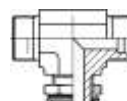
公称规格 Nom. Size	型式代号 Type Code	最高工作压力 Max. Pressure	尺寸 Dimensions						配用O型密封圈 O-Ring	重量 Weight
			Da x s	B	E	T	I	L		
<b>3 系列 / Series 4 (PN 250)</b>										
10	FV 10-3	250	16.0 x 2.6	50	31.1	(44)	42	97	17.0 x 2.65	1.6
12	FV 12-3	250	20.0 x 2.9	60	38.2	(54)	49	106	25.0 x 2.65	1.9
16	FV 16-3	250	21.3 x 2.6	60	38.2	(54)	49	106	25.0 x 2.65	2.6
20	FV 20-3	250	26.9 x 3.6	70	45.3	(64)	55	115	28.0 x 2.65	3.7
25	FV 25-3	250	33.7 x 4.5	80	50.9	(72)	63	123	32.5 x 3.55	5.3
32	FV 32-3	250	42.4 x 5.6	90	56.6	(80)	67	140	37.0 x 3.55	7.3
40	FV 40-3	250	60.3 x 8.0	100	69.3	(98)	79	155	50.0 x 5.3	9.9
50	FV 50-3	250	76.1 x 10.0	120	83.4	(118)	97	180	60.0 x 5.3	15.8
65	FV 65-3	250	88.9 x 11.0	150	102.5	(145)	108	200	75.0 x 6.0	27.1
80	FV 80-3	250	101.6 x 14.2	180	123.7	(175)	135	238	88.0 x 6.0	36.5
100	FV 100-3	250	139.7 x 20.0	250	-	200	150	360	115.0 x 6.0	82.3
125	FV 125-3	250	168.3 x 22.0	330	-	245	189	410	147.5 x 7.0	233.0
150	FV 150-3	250	193.7 x 25.0	380	-	290	199	400	182.5 x 7.0	365.0
<b>4 系列 / Series 4 (PN 320)</b>										
10	FV 10-4	250	17.2 x 3.6	50	31.1	(44)	42	97	17.0 x 2.65	1.6
12	FV 12-4	250	20.0 x 4.0	60	38.2	(54)	49	106	25.0 x 2.65	1.9
16	FV 16-4	250	26.9 x 4.5	60	38.2	(54)	49	106	25.0 x 2.65	2.6
20	FV 20-4	250	33.7 x 5.6	70	45.3	(64)	55	115	28.0 x 2.65	3.7
25	FV 25-4	250	42.4 x 7.1	80	50.9	(72)	63	123	32.5 x 3.55	5.3
32	FV 32-4	250	48.3 x 8.0	90	56.6	(80)	67	140	37.0 x 3.55	7.3
40	FV 40-4	250	60.3 x 10.0	100	69.3	(98)	79	155	50.0 x 5.3	9.9
50	FV 50-4	250	76.1 x 12.5	120	83.4	(118)	97	180	60.0 x 5.3	15.8
65	FV 65-4	250	88.9 x 14.2	150	102.5	(145)	108	200	75.0 x 6.0	27.1
80	FV 80-4	250	114.3 x 17.5	180	123.7	(175)	135	238	88.0 x 6.0	36.5
100	FV 100-4	250	152.4 x 28.0	250	-	200	150	360	115.0 x 6.0	82.3
125	FV 125-4	250	177.8 x 30.0	330	-	245	189	410	147.5 x 7.0	233.0
150	FV 150-4	250	219.1 x 38.0	380	-	290	199	400	182.5 x 7.0	365.0

# 管接头系列

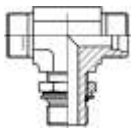
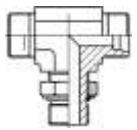
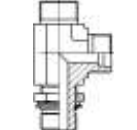
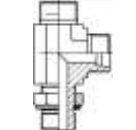
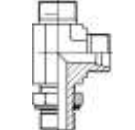
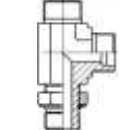
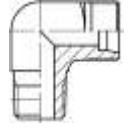
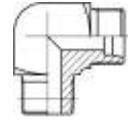
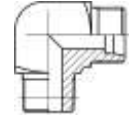
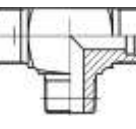
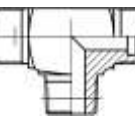
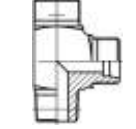
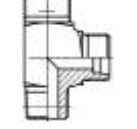
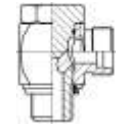
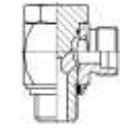
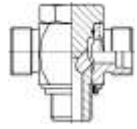
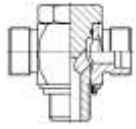
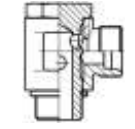
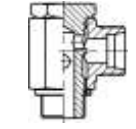



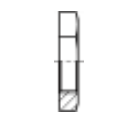


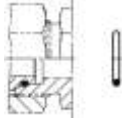






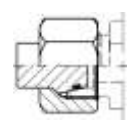
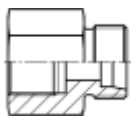
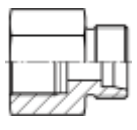
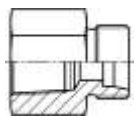

## Fitting Series



管接头系列 / Fitting Series .....	Ci
目录 / Content .....	Cii
概述 / General Description .....	C1
订货代号 / Ordering Code .....	C2
管接头产品一览 / Product Visual Index of Fittings	

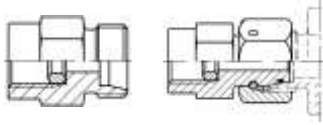
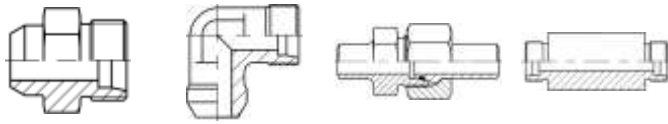
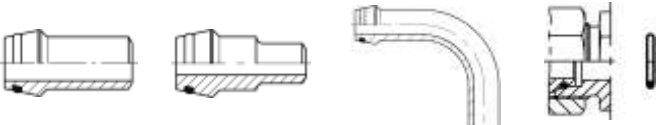

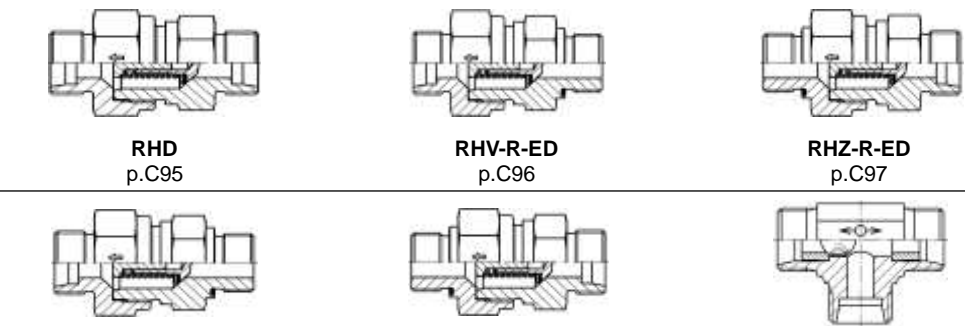

端直通管接头 Male stud connectors	 <p><b>GEO</b> p.C4</p>	 <p><b>GE-M-ED</b> p.C5</p>	 <p><b>GE-R-ED</b> p.C6</p>	 <p><b>GE-R</b> p.C8</p>	 <p><b>GE-R(KEG)</b> p.C10</p>	 <p><b>GE-M</b> p.C11</p>
	 <p><b>GE-M(KEG)</b> p.C12</p>	 <p><b>GE-UNF/UN</b> p.C13</p>	 <p><b>GE-NPT</b> p.C14</p>	 <p><b>EGE-M-ED</b> p.C15</p>	 <p><b>EGE-R-ED</b> p.C16</p>	 <p><b>EGE-NPT</b> p.C17</p>
管道连接接头 Tube to tube	 <p><b>G</b> p.C19</p>	 <p><b>GR</b> p.C20</p>	 <p><b>W</b> p.C21</p>	 <p><b>T</b> p.C22</p>	 <p><b>TR</b> p.C23</p>	 <p><b>K</b> p.C25</p>
	 <p><b>SV</b> p.C26</p>	 <p><b>WSV</b> p.C27</p>				
转向连接接头 Tube to swivel	 <p><b>EW</b> p.C28</p>	 <p><b>EV</b> p.C29</p>	 <p><b>ET</b> p.C30</p>	 <p><b>EL</b> p.C31</p>	 <p><b>DA</b> p.C32</p>	 <p><b>RED</b> p.C33</p>
	 <p><b>GZ</b> p.C37</p>	 <p><b>GZR</b> p.C38</p>				
转向接头组件 Swivel adjustable	 <p><b>EW-M-ED</b> p.C40</p>	 <p><b>EW-R-ED</b> p.C41</p>	 <p><b>ET-M-ED</b> p.C42</p>	 <p><b>ET-R-ED</b> p.C43</p>	 <p><b>EL-M-ED</b> p.C44</p>	 <p><b>EL-R-ED</b> p.C45</p>
螺母锁定可调转向接头 Lucknut adjustable	 <p><b>WEE-R</b> p.C46</p>	 <p><b>WEE-OR</b> p.C47</p>	 <p><b>WEE-M</b> p.C47</p>	 <p><b>WEE-UNF</b> p.C47</p>	 <p><b>TEE-R</b> p.C47</p>	 <p><b>TEE-OR</b> p.C47</p>

## 卡套式管接头产品一览 (续 1) / Product Visual Index of Compression Fittings (continue 1)

螺母锁定可调转向接头 Lucknut adjustable	 <b>TEE-M</b> p.C47	 <b>TEE-UNF</b> p.C47	 <b>LEE-OR</b> p.C47	 <b>LEE-M</b> p.C47	 <b>LEE-R</b> p.C47	 <b>LEE-UNF</b> p.C47
弯通接头 Non adjustable	 <b>WE-NPT</b> p.C48	 <b>WE-R(KEG)</b> p.C49	 <b>WE-M(KEG)</b> p.C50	 <b>TE-R(KEG)</b> p.C51	 <b>TE-M(KEG)</b> p.C52	 <b>LE-R(KEG)</b> p.C53
	 <b>LE-M(KEG)</b> p.C54					
铰接式接头 Banjo fittings	 <b>WH-M-KDS</b> p.C55	 <b>WH-R-KDS</b> p.C56	 <b>TH-M-KDS</b> p.C57	 <b>TH-R-KDS</b> p.C58	 <b>SWVE-M/KDS</b> p.C59	 <b>SWVE-R/KDS</b> p.C61
接头元件 Fitting components	 <b>M</b> p.C63	 <b>D</b> p.C64	 <b>DPR</b> p.C65	 <b>GM</b> p.C66	 <b>VH</b> p.C67	 <b>ED</b> p.C68
	 <b>OR</b> p.C69	 <b>DKI</b> p.C71	 <b>KDS</b> p.C72	 <b>DKA</b> p.C73		
堵头 Plugs	 <b>ROV</b> p.C74	 <b>VSTI M/R-ED</b> p.C75	 <b>VKA</b> p.C76	 <b>VKAM</b> p.C77		
内螺纹接头 Tube to female	 <b>GAI-M</b> p.C78	 <b>GAI-R</b> p.C79	 <b>GAI-NPT</b> p.C80			
油口变径转接接头 Port reducers	 <b>RI-ED</b> p.C81					



卡套式管接头产品一览 (续 2) / Product Visual Index of Compression Fittings (continue 2)

<p>压力表转接头 Pressure gauge adapter</p>	 <p><b>MAV</b> p.C82</p> <p><b>MAVE</b> p.C83</p>
<p>焊接接头 Tube to weld</p>	 <p><b>AS</b> p.C84</p> <p><b>WAS</b> p.C85</p> <p><b>ASK</b> p.C86</p> <p><b>ESV</b> p.C87</p>
<p>焊接接管 Weld nipples</p>	 <p><b>SKA</b> p.C88</p> <p><b>SKAR</b> p.C89</p> <p><b>SKA-RB</b> p.C91</p> <p><b>O型圈 / O-ring</b> p.C92</p>
<p>齿轮泵法兰, 带 24° 锥端 Gear pump flanges with EO 24° cone end</p>	 <p><b>BFG</b> p.C93</p> <p><b>BFW</b> p.C94</p>
<p>单向阀与梭阀 Check and shuttle valves</p>	 <p><b>RHD</b> p.C95</p> <p><b>RHV-R-ED</b> p.C96</p> <p><b>RHZ-R-ED</b> p.C97</p> <p><b>RHV-M-ED</b> p.C98</p> <p><b>RHZ-M-ED</b> p.C99</p> <p><b>WV</b> p.C100</p>
<p>截止阀 Shut-off valves</p>	 <p><b>DV</b> p.C101</p> <p><b>LD</b> p.C102</p>



### 简介

Unifit 有两大类型的管接头产品：24° 锥面卡套式管接头（符合标准 ISO 8434-1）及 24° 锥面焊接式管接头（符合标准 ISO 8434-4），适用于液压系统及各种高压管系，外径为 Ø4 - Ø42 的公制金属管道的安装连接。

图 1 所示为 Unifit 管接头的典型结构：

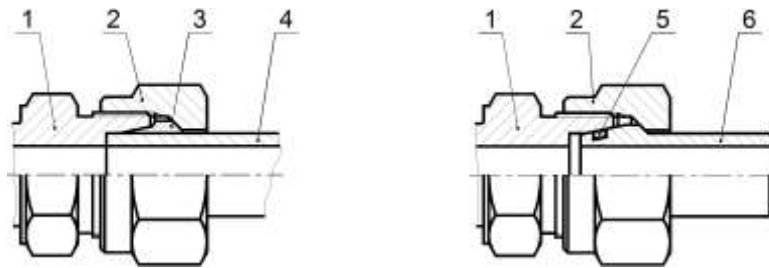


图 1 Unifit 24° 锥面卡套式管接头及 24° 锥面焊接式管接头的典型结构

Fig.1 Cross-sections of a typical Unifit 24° cone compression fitting and a typical weld-on 24° cone connector

件 1 管接头体

件 2 卡套

件 3 螺母

件 4 钢管

件 5 O 型圈

件 6 24° 锥面焊接接管

Part 1 Body

Part 2 Cutting ring (or compression ring)

Part 3 Body

Part 4 Tube

Part 4 O-ring

Part 4 24° cone weld-on nipple

### 材料

作为标准的供货状态，管接头使用碳钢材料制作，也可按订货要求提供不锈钢管接头，详情请参见“订货代号”。

### 表面处理

表面采用无六价铬镀锌处理，符合环保要求。或按订货要求处理。

### 工作压力

按照应用工况及工作压力范围的不同，管接头分为三个压力等级：

LL： 低压，极轻载

L： 中压，轻载

S： 高压，重载

各种型式和规格的管接头的最高工作压力均在相应的尺寸表中予以标明。该工作压力数值适用于-20°C 至+90°C 的工作温度范围，若实际工作温度超出此范围，由于所使用材料的物理性能会有减弱，应降低最高工作压力使用。

### 密封件

标准供货状态下，密封件材料为丁腈橡胶 (NBR)，按订货要求，也可提供氟橡胶 (FKM) 密封圈。

### Materials

In case the order is not specified, we supply all the fittings are made of carbon steel. Stainless steel made fittings are available on require. See “Ordering Code” for details.

### Surface Protection

The surface is treated with Cr(VI)-free zinc plating and passivation, or as per require.

### Working Pressure

According to different applications and different pressure ranges. There are three classes of fittings:

LL: extra-light duty

L: light duty

S: hesvy duty

The maximum working pressures of the fittings are indicated in the relevant dimension lists. The pressure indications are based on a working temperature range from -20°C to +90°C. If the actual working temperature exceeds such a range, the maximum working pressure should be reduced because of the weakened physical properties of the used materials.

### Seals

As standard, the supplied seals are made up of nitrile butadiene rubber (NBR). Viton (FKM) seals can be supplied on require.

**订货代号**

订货时请使用下述产品代号:

**Ordering Code**

When ordering, please use the product code as following:

**GE 16 \* S R3/8 ED 71**

1	2	3	4	5	6	7
---	---	---	---	---	---	---

**1 类型代号**

详见“目录”中“管接头产品一览”。

**Type**

See “Product Visual Index of Fittings” in “Content” for details.

**2 规格代号**

 管子外径, 单位为 mm  
 例: 16 管子外径 Ø16 mm

**Size**

 Tube outer diameter in mm  
 Example: 16 Ø16 mm O.D.

**3 卡套类型代号**

 省略 - 标准型卡套  
 \* - 备用于其它类型卡套

**Cutting ring**

 Omit - Standard cutting ring  
 \* - Prepare for other type of compression rings

**4 系列代号**

 LL - 极轻载系列  
 L - 轻载系列  
 S - 重载系列

**Series**

 LL - Extra-light duty  
 L - Light duty  
 S - Heavy duty

**5 拧入端螺纹类型及规格**
**螺纹类型:**

 M... - 公制螺纹  
 M...KEG - 公制锥管螺纹  
 R... - 英制直管螺纹  
 R...KEG - 英制锥管螺纹  
 ...UN/UNF - SAE 螺纹  
 ...NPT - 美制 60° 锥管螺纹

**Thread type and size**
**Thread type:**

 M... - Matric parallel  
 M...KEG - Matric tapered  
 R... - BSPP  
 R...KEG - BSPT  
 ...UN/UNF - SAE straight  
 ...NPT - Tapered pipe thread

**螺纹规格:**

 省略 - 标准规格  
 例: 1/2 - 1/2" (仅在螺纹规格跨级时标注)

**Thread size:**

 Omit - Standard thread size  
**Example: 1/2 - 1/2"** (only shown on jump size)

**6 密封形式**

省略 - 标准密封:	
ISO 6149 油口	O 型圈
M/R 螺纹油口	金属唇口密封
M/R KEG 螺纹油口	锥螺纹密封
UN/UNF(SAE) 螺纹油口	O 型圈
NPT 螺纹油口	锥螺纹密封
ED - M/R 螺纹油口	Eolastic (异型圈) 密封
KD - WH/TH	塑料铰接密封
KDS - WH/TH	弹性材料铰接密封

**Seal type**

Omit - Standard seals:	
ISO 6149 port	O-ring
M/R thread port	Metal cutting edge
M/R KEG thread port	Tapered thread
UN/UNF(SAE) thread port	O-ring
NPT thread port	Tapered thread
ED - M/R thread port	Eolastic seal
KD - WH/TH	Plastic banjo seal
KDS - WH/TH	Elastomic banjo seal

**7 材料及组件**
**管接头材料:**

 省略 - 碳钢, 表面无六价铬镀锌  
 71 - 不锈钢  
 MS - 黄铜

**Material and Assembly**
**Fitting material:**

 Omit - Carbon steel, Cr(VI)-free Zinc coating  
 71 - Stainless steel  
 MS - Brass

**组件:**

 OMD - 不带螺母及卡套, 但带密封件等其它元件  
 X - 仅管接头体, 不带其它任何元件

**Assembly:**

 OMD - Without nut and ring, but including all other components such as seals  
 X - Body only, without any other components.

**密封件材料:**

 省略 - 丁腈橡胶 NBR  
 VIT - 氟碳橡胶 FKM

**Seal material:**

 Omit - Nitrile rubber NBR  
 VIT - Fluorocarbon FKM

订货代号示例

**例 1: GE12SR1/2ED**

外螺纹端直通管接头, G1/2 (1/2 BSPP) 螺纹, Eolastic 密封圈端面密封, 管子外径 Ø12 mm, 标准型卡套, 重载系列总成件, 含碳钢无六价铬镀锌接头体、螺母、卡套及所有相关丁腈橡胶密封件

**例 2: GE12LR71X**

外螺纹端直通管接头, G3/8 (3/8 BSPP) 螺纹(标准规格), 端面金属唇口密封 (结构型式 B), 管子外径 Ø12 mm, 标准型卡套, 轻载系列  
仅接头体, 不锈钢制

**例 3: EL38SVITOMD**

螺母调节三通转向接头, 管子外径 Ø38 mm, 重载系列, 无六价铬镀锌碳钢接头体, 无螺母及卡套, 转向螺母端带 FKM 密封圈

Examples for Ordering Code

**Example 1: GE12SR1/2ED**

Straight male stud, G1/2 (1/2 BSPP) thread and Eolastic seal, Ø12 mm tube O.D., standard cutting ring, heavy duty series  
Complete with nut and cutting ring, Cr(VI)-free steel fitting, and all seals NBR

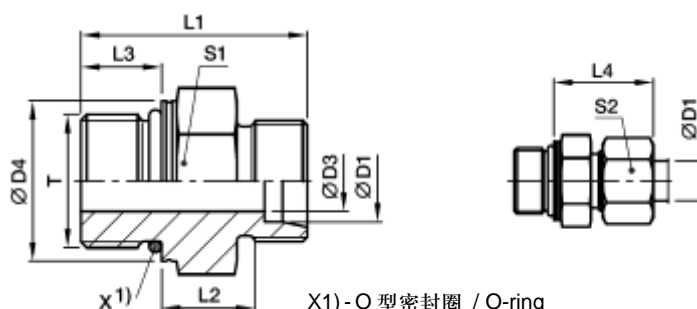
**Example 2: GE12LR71X**

Straight male stud, G3/8 (3/8 BSPP) thread and metal seal type B, Ø12 mm tube O.D., standard cutting ring, light duty series  
Stainless steel fitting, body only

**Example 3: EL38SVITOMD**

Adjustable swivel nut run tee, Ø 38 mm tube O.D., heavy duty series, Cr(VI)-free zinc-plated steel fitting without nut and ring. Swivel nut end with FKM seal

GEO 外螺纹端直通管接头 - 公制螺纹, O 型圈密封 (ISO 6149)  
 GEO Male stud connector - Male metric thread, O-ring (ISO 6149)



## 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T	D3	D4	L1	L2	L3	L4	S1	S2		71	MS	g
LL	GEO04LLMOMD	04	M 8x1	3.0	10.8	20.0	9.5	6.5	19.0	11	10	100			8
	GEO04LLM10X1OMD	04	M 10x1	3.0	12.8	20.0	9.5	6.5	19.0	13	10	100			11
	GEO06LLMOMD	06	M 10x1	4.5	12.8	20.0	8.0	6.5	19.5	13	12	100			10
L	GEO06LMOMD	06	M 10x1	4.5	14.0	24.0	8.5	8.5	23.0	14	14	500	315		15
	GEO08LMOMD	08	M 12x1.5	6.0	17.0	28.0	10.0	11.0	25.0	17	17	500	315		23
	GEO10LMOMD	10	M 14x1.5	7.5	19.0	29.0	11.0	11.0	26.0	19	19	500	315		28
	GEO12LMOMD	12	M 16x1.5	9.0	22.0	31.0	12.5	11.5	27.0	22	22	400	315		40
	GEO15LMOMD	15	M 18x1.5	11.0	24.0	33.0	13.5	12.5	29.0	24	27	400	315		56
	GEO18LMOMD	18	M 22x1.5	14.0	27.0	35.0	14.5	13.0	31.0	27	32	400	315		80
	GEO22LM27X2OMD	22	M 27x2	18.0	32.0	40.0	16.5	16.0	33.0	32	36	250	160		104
	GEO28LMOMD	28	M 33x2	23.0	41.0	41.0	17.5	16.0	34.0	41	41	250	160		171
	GEO35LMOMD	35	M 42x2	30.0	50.0	44.0	17.5	16.0	39.0	50	50	250	160		278
	GEO42LMOMD	42	M 48x2	36.0	55.0	47.5	19.0	17.5	42.0	55	60	250	160		340
S	GEO06SMOMD	06	M 12x1.5	4.0	17.0	31.0	13.0	11.0	28.0	17	17	800	630		29
	GEO08SMOMD	08	M 14x1.5	6.0	19.0	33.0	15.0	11.0	30.0	19	19	800	630		41
	GEO10SMOMD	10	M 16x1.5	7.0	22.0	35.0	15.0	12.5	31.0	22	22	800	630		55
	GEO12SMOMD	12	M 18x1.5	9.0	24.0	38.5	17.0	14.0	33.0	24	24	630	630		73
	GEO16SMOMD	16	M 22x1.5	12.0	27.0	42.0	18.5	15.0	37.0	27	30	630	400		102
	GEO20SMOMD	20	M 27x2	15.0	32.0	49.5	20.5	18.5	42.0	32	36	420	400		169
	GEO25SMOMD	25	M 33x2	20.0	41.0	53.5	23.0	18.5	47.0	41	46	420	400		274
	GEO30SMOMD	30	M 42x2	26.0	50.0	56.0	23.5	19.0	50.0	50	50	420	400		412
GEO38SMOMD	38	M 48x2	32.0	55.0	63.5	26.0	21.5	57.0	55	60	420	315		580	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		GEO16SMOMD	NBR
不锈钢	71	GEO16SMOMD71	VIT
黄铜	MS		NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		GEO16SMOMD	NBR
Stainless steel	71	GEO16SMOMD71	VIT
Brass	MS		NBR

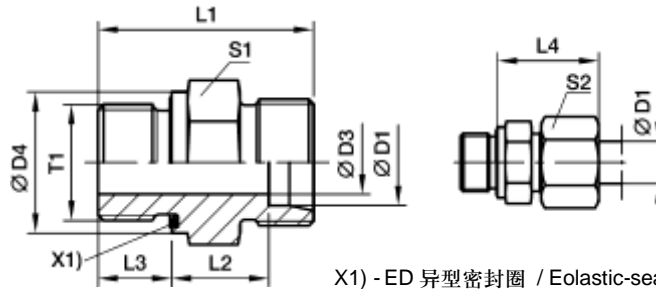
## 管接头系列 / Fitting Series



GE-M-ED ED密封外螺纹端直通管接头 / GE-M-ED Male Stud Connector, ED Sealed

GE-M-ED 外螺纹端直通管接头 - 公制螺纹, ED(异型圈)密封 (ISO 9974)

GE-M-ED Male stud connector - metric thread, ED (ISO 9974)



X1) - ED 异型密封圈 / Elastic-sealing (ED)

### 安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T1	D3	D4	L1	L2	L3	L4	S1	S2	71	MS	g	
L	GE06LMEDOMD	06	M 10x1	4	14	23.5	8.5	8	23	14	14	500	315		13
	GE08LMEDOMD	08	M 12x1.5	6	17	29.0	10.0	12	25	17	17	500	315		22
	GE10LMEDOMD	10	M 14x1.5	7	19	30.0	11.0	12	26	19	19	500	315		29
	GE10LM12x1.5EDOMD	10	M 12x1.5	6	17	30.0	11.0	12	26	17	19	315	315		23
	GE10LM16x1.5EDOMD	10	M 16x1.5	8	22	31.5	12.5	12	24	22	19	400	315		40
	GE10LM18x1.5EDOMD	10	M 18x1.5	8	24	31.5	12.5	12	27	24	19	400	315		50
	GE10LM22x1.5EDOMD	10	M 22x1.5	8	27	35.0	14.0	14	29	27	19	400	315		80
	GE12LMEDOMD	12	M 16x1.5	9	22	31.5	12.5	12	27	22	22	400	315		40
	GE12LM14x1.5EDOMD	12	M 14x1.5	7	19	30.0	11.0	12	26	19	22	400	315		30
	GE12LM18x1.5EDOMD	12	M 18x1.5	10	24	31.5	12.5	12	27	24	22	400	315		47
	GE12LM22x1.5EDOMD	12	M 22x1.5	10	27	35.0	14.0	14	29	27	22	400	315		75
	GE15LMEDOMD	15	M 18x1.5	11	24	32.5	13.5	12	29	24	27	400	315		51
	GE15LM16x1.5EDOMD	15	M 16x1.5	9	22	32.0	13.0	12	28	24	27	400	315		64
	GE15LM22x1.5EDOMD	15	M 22x1.5	12	27	36.0	15.0	14	30	27	27	400	315		77
	GE18LMEDOMD	18	M 22x1.5	14	27	36.0	14.5	14	31	27	32	400	315		74
	GE18LM18x1.5EDOMD	18	M 18x1.5	11	24	33.5	14.0	12	30	27	32	400	315		68
	GE22LMEDOMD	22	M 26x1.5	18	32	40.0	16.5	16	33	32	36	250	160		103
	GE22LM22x1.5EDOMD	22	M 22x1.5	14	32	38.0	16.5	14	33	32	36	250	160		97
GE28LMEDOMD	28	M 33x2	23	40	43.0	17.5	18	34	41	41	250	160		168	
GE35LMEDOMD	35	M 42x2	30	50	48.0	17.5	20	39	50	50	250	160		281	
GE42LMEDOMD	42	M 48x2	36	55	52.0	19.0	22	42	55	60	250	160		356	
S	GE06SMEDOMD	06	M 12x1.5	4	17	32.0	13.0	12	28	17	17	800	630		30
	GE08SMEDOMD	08	M 14x1.5	5	19	34.0	15.0	12	30	19	19	800	630		42
	GE10SMEDOMD	10	M 16x1.5	7	22	34.5	15.0	12	31	22	22	800	630		54
	GE12SMEDOMD	12	M 18x1.5	8	24	36.5	17.0	12	33	24	24	630	630		71
	GE12SM14x1.5EDOMD	12	M 14x1.5	5	19	36.0	16.5	12	33	22	24	630	630		60
	GE12SM22x1.5EDOMD	12	M 22x1.5	8	27	39.0	17.5	14	34	27	24	630	400		102
	GE14SMEDOMD	14	M 20x1.5	10	26	41.0	19.0	14	37	27	27	630	630		98
	GE16SMEDOMD	16	M 22x1.5	12	27	41.0	18.5	14	37	27	30	630	400		95
	GE16SM18x1.5EDOMD	16	M 18x1.5	8	24	38.5	18.0	12	36	27	30	630	400		88
	GE20SMEDOM	20	M 27x2	16	32	47.0	20.5	16	42	32	36	420	400		150
	GE25SMEDOMD	25	M 33x2	20	40	53.0	23.0	18	47	41	46	420	400		264
	GE30SMEDOMD	30	M 42x2	25	50	57.0	23.5	20	50	50	50	420	400		422
	GE38SMEDOMD	38	M 48x2	32	55	64.0	26.0	22	57	55	60	420	315		569

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

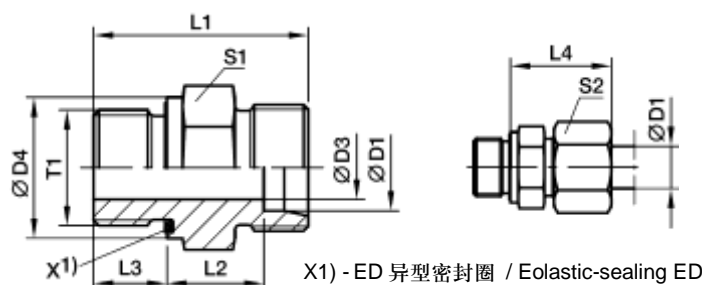
材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		GE16SMEDOMD	NBR
不锈钢	71	GE16SMEDOMD71	VIT

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		GE16SMEDOMD	NBR
Stainless steel	71	GE16SMEDOMD71	VIT



GE-R-ED 外螺纹端直通管接头 - 英制直管螺纹, ED(异型圈)密封 (ISO 1179)

GE-R-ED Male stud connector - BSPP thread, ED sealed (ISO 1179)



## 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T1	D3	D4	L1	L2	L3	L4	S1	S2	G1	MS	g	
LL	GE04LLREDOMD	04	G 1/8 A	3	14	20.0	9.5	6.5	19	14	10	100	100	63	10
	GE06LLREDOMD	06	G 1/8 A	4	14	20.0	8.0	6.5	20	14	12	100	100	63	11
L	GE06LREDOMD	06	G 1/8 A	4	14	23.5	8.5	8.0	23	14	14	500	315	200	13
	GE06LR1/4EDOMD	06	G 1/4 A	4	19	29.0	10.0	12.0	25	19	14	500	315	200	28
	GE06LR3/8EDOMD	06	G 3/8 A	4	22	30.5	11.5	12.0	26	22	14	400	315	200	44
	GE06LR1/2EDOMD	06	G 1/2 A	4	27	33.0	12.0	14.0	27	27	14	400	315	200	61
	GE08LREDOMD	08	G 1/4 A	6	19	29.0	10.0	12.0	25	19	17	500	315	200	27
	GE08LR1/8EDOMD	08	G 1/8 A	4	14	24.5	9.5	8.0	24	14	17	500	315	200	16
	GE08LR3/8EDOMD	08	G 3/8 A	6	22	30.5	11.5	12.0	26	22	17	400	315	200	45
	GE08LR1/2EDOMD	08	G 1/2 A	6	27	33.0	12.0	14.0	27	27	17	400	315	200	74
	GE10LREDOMD	10	G 1/4 A	6	19	30.0	11.0	12.0	26	19	19	500	315	200	29
	GE10LR1/8EDOMD	10	G 1/8 A	4	14	25.5	10.5	8.0	25	17	19	500	315	200	21
	GE10LR3/8EDOMD	10	G 3/8 A	8	22	31.5	12.5	12.0	27	22	19	400	315	200	43
	GE10LR1/2EDOMD	10	G 1/2 A	8	27	34.0	13.0	14.0	28	27	19	400	315	200	71
	GE12LREDOMD	12	G 3/8 A	9	22	31.5	12.5	12.0	27	22	22	400	315	200	41
	GE12LR1/8EDOMD	12	G 1/8 A	4	14	26.5	11.5	8.0	26	19	22	315	315	200	26
	GE12LR1/4EDOMD	12	G 1/4 A	6	19	31.0	12.0	12.0	27	19	22	400	315	200	31
	GE12LR1/2EDOMD	12	G 1/2 A	10	27	34.0	13.0	14.0	28	27	22	400	315	200	67
	GE12LR3/4EDOMD	12	G 3/4 A	10	32	37.0	14.0	16.0	29	32	22	250	160	100	118
	GE15LREDOMD	15	G 1/2 A	11	27	35.0	14.0	14.0	29	27	27	400	315	200	72
	GE15LR3/8EDOMD	15	G 3/8 A	9	22	32.5	13.5	12.0	29	24	27	400	315	200	54
	GE15LR3/4EDOMD	15	G 3/4 A	12	32	38.0	15.0	16.0	30	32	27	250	160	100	116
	GE18LREDOMD	18	G 1/2 A	14	27	36.0	14.5	14.0	31	27	32	400	315	200	71
	GE18LR3/8EDOMD	18	G 3/8 A	9	22	33.5	14.0	12.0	30	27	32	400	315	200	66
GE18LR3/4EDOMD	18	G 3/4 A	15	32	38.0	14.5	16.0	31	32	32	250	160	100	110	
GE22LREDOMD	22	G 3/4 A	18	32	40.0	16.5	16.0	33	32	36	250	160	100	102	
GE22LR1/2EDOMD	22	G 1/2 A	14	27	38.0	16.5	14.0	33	32	36	250	160	100	91	
GE22LR1EDOMD	22	G 1 A	19	40	43.0	17.5	18.0	34	41	36	250	160	100	189	
GE28LREDOMD	28	G 1 A	23	40	43.0	17.5	18.0	34	41	41	250	160	100	170	
GE28LR3/4EDOMD	28	G 3/4 A	18	32	41.0	17.5	16.0	34	41	41	250	160	100	159	
GE28LR11/4EDOMD	28	G 1 1/4 A	24	50	46.0	18.5	20.0	35	50	41	250	160	100	316	
GE35LREDOMD	35	G 1 1/4 A	30	50	48.0	17.5	20.0	39	50	50	250	160	100	272	
GE35LR1EDOMD	35	G 1 A	23	40	46.0	17.5	18.0	39	46	50	250	160	100	226	
GE35LR11/2EDOMD	35	G 1 1/2 A	30	55	52.0	19.5	22.0	41	55	50	250	160	100	423	
GE42LREDOMD	42	G 1 1/2 A	36	55	52.0	19.0	22.0	42	55	60	250	160	100	343	
GE42LR1EDOMD	42	G 1 A	23	40	48.0	19.0	18.0	42	55	60	250	160	100	324	
GE42LR11/4EDOMD	42	G 1 1/4 A	30	50	50.0	19.0	20.0	42	55	60	250	160	100	348	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀, 详见后续页。

Please add the suffixes below according to the material and surface required. See next page for details.

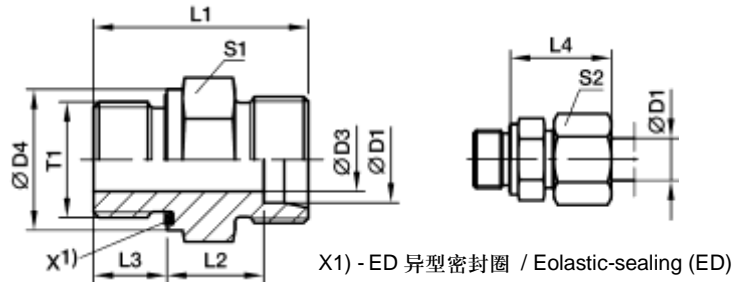
## 管接头系列 / Fitting Series



GE-R-ED ED 密封外螺纹端直通管接头 / GE-R-ED Male Stud Connector, ED Sealed

GE-R-ED 外螺纹端直通管接头 - 英制直管螺纹, ED(异型圈)密封 (ISO 1179)

GE-R-ED Male stud connector - BSPP thread, ED sealed (ISO 1179)



X1) - ED 异型密封圈 / Elastomeric-sealing (ED)

### 安装尺寸 (续) / Dimensions (continued)

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight g
		D1	T1	D3	D4	L1	L2	L3	L4	S1	S2	71	MS		
S	GE06SREDDMD	06	G 1/4 A	4	19	32.0	13.0	12	28	19	17	800	630	400	35
	GE06SR1/8EDDDMD	06	G 1/8 A	4	14	27.5	12.5	8	27	14	17	315	315		21
	GE06SR3/8EDDDMD	06	G 3/8 A	4	22	34.5	15.5	12	30	22	17	630	630		52
	GE06SR1/2EDDDMD	06	G 1/2 A	4	27	39.0	18.0	14	33	27	17	630	630		83
	GE08SREDDMD	08	G 1/4 A	5	19	34.0	15.0	12	30	19	19	800	630	400	41
	GE08SR3/8EDDDMD	08	G 3/8 A	5	22	34.5	15.5	12	30	22	19	800	630		57
	GE08SR1/2EDDDMD	08	G 1/2 A	5	27	39.0	18.0	14	33	27	19	630	400		89
	GE10SREDDMD	10	G 3/8 A	7	22	34.5	15.0	12	31	22	22	800	630	400	55
	GE10SR1/4EDDDMD	10	G 1/4 A	5	19	34.0	14.5	12	31	19	22	800	630		42
	GE10SR1/2EDDDMD	10	G 1/2 A	7	27	39.0	17.5	14	34	27	22	630	630		97
	GE12SREDDMD	12	G 3/8 A	8	22	36.5	17.0	12	33	22	24	630	630	400	62
	GE12SR1/4EDDDMD	12	G 1/4 A	5	19	36.0	16.5	12	33	22	24	630	630		61
	GE12SR1/2EDDDMD	12	G 1/2 A	8	27	39.0	17.5	14	34	27	24	630	630		99
	GE14SREDDMD	14	G 1/2 A	10	27	41.0	19.0	14	37	27	27	630	630	400	96
	GE14SR3/8EDDDMD	14	G 3/8 A	8	22	38.5	18.5	12	36	24	27	630	630		74
	GE14SR3/4EDDDMD	14	G 3/4 A	10	32	45.0	21.0	16	39	32	27	400	400		138
	GE16SREDDMD	16	G 1/2 A	12	27	41.0	18.5	14	37	27	30	630	400	250	91
	GE16SR3/8EDDDMD	16	G 3/8 A	8	22	38.5	18.0	12	36	27	30	630	400		83
	GE16SR3/4EDDDMD	16	G 3/4 A	12	27	45.0	20.5	16	39	32	30	420	400		152
	GE20SREDDMD	20	G 3/4 A	16	32	47.0	20.5	16	42	32	36	420	400	250	149
	GE20SR1/2EDDDMD	20	G 1/2 A	12	27	45.0	20.5	14	42	32	36	420	400		142
	GE20SR1EDDDMD	20	G 1 A	16	40	51.0	22.5	18	44	41	36	420	400		265
	GE20SR11/4EDDDMD	20	G 1 1/4 A	16	50	53.0	22.5	20	44	50	36	400	400		404
	GE25SREDDMD	25	G 1 A	20	40	53.0	23.0	18	47	41	46	420	400	250	266
	GE25SR1/2EDDDMD	25	G 1/2 A	12	27	49.0	23.0	14	47	41	46	420	400		228
	GE25SR3/4EDDDMD	25	G 3/4 A	16	32	51.0	23.0	16	47	41	46	420	400		255
GE25SR11/4EDDDMD	25	G 1 1/4 A	20	50	55.0	23.0	20	47	50	46	400	400		411	
GE25SR11/2EDDDMD	25	G 1 1/2 A	20	55	60.0	26.0	22	50	55	46	315	315		549	
GE30SREDDMD	30	G 1 1/4 A	25	50	57.0	23.5	20	50	50	50	420	400	250	418	
GE30SR1EDDDMD	30	G 1 A	20	40	55.0	23.5	18	50	46	50	420	400		344	
GE30SR11/2EDDDMD	30	G 1 1/2 A	25	55	62.0	26.5	22	53	55	50	315	315		530	
GE38SREDDMD	38	G 1 1/2 A	32	55	64.0	26.0	22	57	55	60	420	315	200	563	
GE38SR11/4EDDDMD	38	G 1 1/4 A	25	50	62.0	26.0	20	57	55	60	420	315		575	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

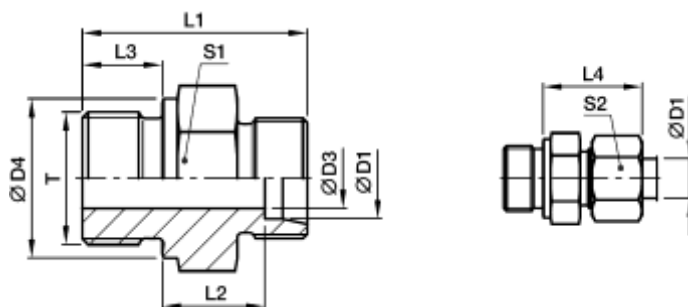
对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		GE16SREDDMD	NBR
不锈钢	71	GE16SREDDMD71	VIT
黄铜	MS	GE16SREDDMDMS	NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		GE16SREDDMD	NBR
Stainless steel	71	GE16SREDDMD71	VIT
Brass	MS	GE16SREDDMDMS	NBR

GE-R 外螺纹端直通管接头 - 英制直管螺纹, 金属唇口密封 (ISO 1179)  
 GE-R Male stud connector - BSPP thread, metal sealing edge (ISO 1179)



## 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T	D3	D4	L1	L2	L3	L4	S1	S2	71	MS	g	
L	GE06LR	06	G 1/8 A	4	14	23.5	8.5	8	23.0	14	14	315	315	200	14
	GE06LR1/4	06	G 1/4 A	4	18	29.0	10.0	12	25.0	19	14	315	315	200	60
	GE06LR3/8	06	G 3/8 A	4	22	30.5	11.5	12	26.0	22	14	315	315	200	45
	GE06LR1/2	06	G 1/2 A	4	26	33.0	12.0	14	27.0	27	14	315	315		60
	GE08LR	08	G 1/4 A	6	18	29.0	10.0	12	25.0	19	17	315	315	200	26
	GE08LR1/8	08	G 1/8 A	4	14	24.5	8.5	8	23.0	14	17	315	315		16
	GE08LR3/8	08	G 3/8 A	6	22	30.5	11.5	12	26.0	22	17	315	315	200	44
	GE08LR1/2	08	G 1/2 A	6	26	33.0	12.0	14	27.0	27	17	315	315	200	74
	GE10LR	10	G 1/4 A	6	18	30.0	11.0	12	26.0	19	19	315	315	200	31
	GE10LR1/8	10	G 1/8 A	4	14	25.5	10.5	8	25.0	17	19	315	315		21
	GE10LR3/8	10	G 3/8 A	8	22	31.5	12.5	12	27.0	22	19	315	315	200	44
	GE10LR1/2	10	G 1/2 A	8	26	34.0	13.0	14	28.0	27	19	315	315	200	72
	GE12LR	12	G 3/8 A	9	22	31.5	12.5	12	27.0	22	22	315	315	200	43
	GE12LR1/8	12	G 1/8 A	4	14	26.5	11.5	8	26.0	19	22	315	315		27
	GE12LR1/4	12	G 1/4 A	6	18	31.0	12.0	12	27.0	19	22	315	315	200	32
	GE12LR1/2	12	G 1/2 A	10	26	34.0	13.0	14	28.0	27	22	315	315	200	67
	GE12LR3/4	12	G 3/4 A	10	32	37.0	14.0	16	29.0	32	22	315	315		120
	GE15LR	15	G 1/2 A	11	26	35.0	14.0	14	29.0	27	27	250	250	160	72
	GE15LR3/8	15	G 3/8 A	9	22	32.5	13.5	12	29.0	24	27	250	250	160	56
	GE15LR3/4	15	G 3/4 A	12	32	38.0	15.0	16	30.0	32	27	250	250		118
	GE18LR	18	G 1/2 A	14	26	36.0	14.5	14	31.0	27	32	250	250	160	72
	GE18LR3/8	18	G 3/8 A	9	22	33.5	14.0	12	29.5	27	32	250	250		69
	GE18LR3/4	18	G 3/4 A	15	32	38.0	14.5	16	30.0	32	32	250	250		112
	GE22LR	22	G 3/4 A	18	32	40.0	16.5	16	33.0	32	36	160	160	100	103
	GE22LR1/2	22	G 1/2 A	14	26	38.0	16.5	14	33.0	32	36	160	160	100	91
	GE22LR1	22	G 1 A	19	39	43.0	17.5	18	33.5	41	36	160	160		184
	GE28LR	28	G 1 A	23	39	43.0	17.5	18	34.0	41	41	160	160	100	168
	GE28LR1/2	28	G 1/2 A	14	26	39.0	17.5	14	34.0	41	41	160	160		141
	GE28LR3/4	28	G 3/4 A	18	32	41.0	17.5	16	34.0	41	41	160	160		156
	GE28LR11/4	28	G 1 1/4 A	24	50	46.0	18.3	20	35.0	50	41	160	160		314
	GE35LR	35	G 1 1/4 A	30	49	48.0	17.5	20	39.0	50	50	160	160	100	276
	GE35LR1/2	35	G 1/2 A	14	26	42.0	17.5	14	39.0	46	50	160	160		194
GE35LR3/4	35	G 3/4 A	18	32	44.0	17.5	16	39.0	46	50	160	160		202	
G35LR1	35	G 1 A	23	39	46.0	17.5	18	39.0	46	50	160	160		234	
GE35LR11/2	35	G 1 1/2 A	30	55	52.0	19.5	22	41.0	55	50	160	160		355	
GE42LR	42	G 1 1/2 A	36	55	52.0	19.0	22	42.0	55	60	160	160	100	349	
GE42LR1	42	G 1 A	23	39	48.0	19.0	18	42.0	55	60	160	160		327	
GE42LR11/4	42	G 1 1/4 A	30	49	50.0	19.0	20	42.0	55	60	160	160		336	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀, 详见后续页。

Please add the suffixes below according to the material and surface required. See next page for details.

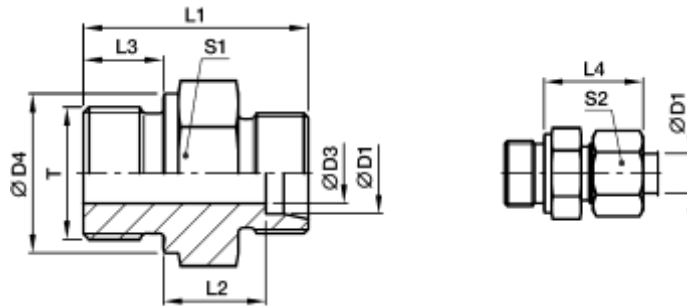
管接头系列 / Fitting Series



GE-R 金属唇口密封外螺纹直通管接头 / GE-R Male Stud Connector, Metal Edge Sealed

GE-R 外螺纹端直通管接头 - 英制直管螺纹, 金属唇口密封 (ISO 1179)

GE-R Male stud connector - BSPP thread, metal sealing edge (ISO 1179)



安装尺寸 (续) / Dimensions (continued)

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight g	
		D1	T	D3	D4	L1	L2	L3	L4	S1	S2	71	MS		
S	GE06SR	06	G 1/4 A	4	18	32.0	13.0	12	28	19	17	400	400	250	35
	GE06SR1/8	06	G 1/8 A	3	14	27.5	12.5	8	27	14	17	400	400		22
	GE06SR3/8	06	G 3/8 A	4	22	34.5	15.5	12	30	22	17	400	400		57
	GE06SR1/2	06	G 1/2 A	4	26	39.0	18.0	14	33	27	17	400	400		83
	GE08SR	08	G 1/4 A	5	18	34.0	15.0	12	30	19	19	400	400	250	41
	GE08SR3/8	08	G 3/8 A	5	22	34.5	15.5	12	30	22	19	400	400		59
	GE08SR1/2	08	G 1/2 A	5	26	39.0	18.0	14	33	27	19	400	400		100
	GE10SR	10	G 3/8 A	7	22	34.5	15.0	12	31	22	22	400	400	250	56
	GE10SR1/4	10	G 1/4 A	5	18	34.0	14.5	12	31	19	22	400	400		43
	GE10SR1/2	10	G 1/2 A	7	26	39.0	17.5	14	34	27	22	400	400		97
	GE12SR	12	G 3/8 A	8	22	36.5	17.0	12	33	22	24	400	400	250	62
	GE12SR1/4	12	G 1/4 A	5	18	36.0	16.5	12	33	22	24	400	400		57
	GE12SR1/2	12	G 1/2 A	8	26	39.0	17.5	14	34	27	24	400	400		57
	GE14SR	14	G 1/2 A	10	26	41.0	19.0	14	37	27	27	400	400	250	96
	GE14SR3/8	14	G 3/8 A	8	22	38.5	18.5	12	36	24	27	400	400		74
	GE16SR	16	G 1/2 A	12	26	41.0	18.5	14	37	27	30	400	400	250	92
	GE16SR3/8	16	G 3/8 A	8	22	38.5	18.0	12	36	27	30	400	400		83
	GE16SR3/4	16	G 3/4 A	12	32	45.0	20.5	16	39	32	30	400	400		157
	GE20SR	20	G 3/4 A	16	32	47.0	20.5	16	42	32	36	400	400	250	151
	GE20SR1/2	20	G 1/2 A	12	26	45.0	20.5	14	42	32	36	400	400		142
GE20SR1	20	G 1 A	16	39	51.0	22.5	18	44	41	36	250	250		273	
GE20SR11/4	20	G 1 1/4 A	16	49	53.0	22.5	20	44	50	36	160	160		387	
GE25SR	25	G 1 A	20	39	53.0	23.0	18	47	41	46	250	250	160	267	
GE25SR3/4	25	G 3/4 A	16	32	51.0	23.0	16	47	41	46	250	250		245	
GE25SR11/4	25	G 1 1/4 A	20	49	55.0	23.0	20	47	50	46	160	160		422	
GE30SR	30	G 1 1/4 A	25	49	57.0	23.5	20	50	50	50	160	160	100	422	
GE30SR1	30	G 1 A	20	39	55.0	23.5	18	50	46	50	160	160		337	
GE38SR	38	G 1 1/2 A	32	55	64.0	26.0	22	57	55	60	160	160	100	560	
GE38SR11/4	38	G 1 1/4 A	25	49	62.0	26.0	20	57	55	60	160	160		578	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

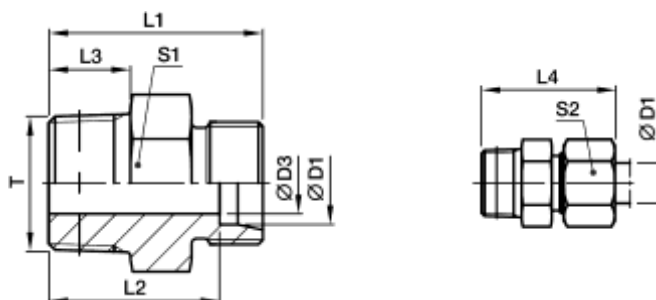
对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		GE16SRX	NBR
不锈钢	71	GE16SR71X	VIT
黄铜	MS	GE16SRMSX	NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		GE16SRX	NBR
Stainless steel	71	GE16SR71X	VIT
Brass	MS	GE16SRMSX	NBR

GE-R(KEG) 外螺纹端直通管接头 - 英制锥管螺纹(DIN 3852-2 C型)  
 GE-R(KEG) Male stud connector - Male short BSP thread (DIN 3852-2, type C)



## 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T	D3	D4	L1	L2	L3	L4	S1	S2	71	MS	g	
LL	GE04LLR	04	R 1/8	3.0		20	16.0	8	26	11	10	100	100	63	8
	GE06LLR	06	R 1/8	4.5		20	14.5	8	26	11	12	100	100	63	8
	GE08LLR	08	R 1/8	6.0		22	16.5	8	28	12	14	100	100	63	10
	GE08LLR1/4	08	R 1/4	6.0		26	20.5	12	32	14	14	100	100	63	18
	GE10LLR	10	R 1/4	8.0		26	20.5	12	32	14	17	100		63	15
	GE12LLR	12	R 1/4	8.0		26	20.0	12	32	17	19	100		63	18
	GE12LLR3/8	12	R 3/8	10.0		26	20.0	12	32	17	19	100		63	23
L	GE06LR1/8KEG	06	R 1/8	4.0		22	15.0	8	30	12	14	315	315		11
	GE06LR1/4KEG	06	R 1/4	4.0		27	20.0	12	35	17	14	315	315	200	24
	GE08LR1/8KEG	08	R 1/8	4.0		23	16.0	8	31	17	17	315	315	200	15
	GE08LR1/4KEG	08	R 1/4	6.0		27	20.0	12	35	17	17	315	315		22
	GE10LR1/4KEG	10	R 1/4	7.0		28	21.0	12	36	17	19	315	315		24
	GE12LR1/4KEG	12	R 1/4	7.0		29	22.0	12	37	19	22	315	315	200	53
	GE12LR3/8KEG	12	R 3/8	9.0		29	22.0	12	37	19	22	315	315		33
	GE12LR1/2KEG	12	R 1/2	10.0		31	24.0	14	39	24	22	315	315	200	53
	GE15LR3/8KEG	15	R 3/8	9.0		30	23.0	12	38	24	27	315	315	200	49
	GE15LR1/2KEG	15	R 1/2	11.0		32	25.0	14	40	24	27	315	315		59
	GE18LR1/2KEG	18	R 1/2	14.0		33	25.5	14	42	27	32	315	315		64
	GE22LR3/4KEG	22	R 3/4	17.0		37	29.5	16	46	32	36	160	160		99
	GE28LR1KEG	28	R 1	23.0		40	32.5	18	49	41	41	160	160		154
GE35LR11/4KEG	35	R 1 1/4	30.0		45	34.5	20	56	46	50	160	160		238	
GE42LR11/2KEG	42	R 1 1/2	36.0		49	38.0	22	61	55	60	160	160		335	

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料(无需加后缀)
碳钢 无六价铬镀锌		GE06LR1/4KEGX	NBR
不锈钢	71	GE06LR1/4KEG71X	VIT
黄铜	MS	GE06LR1/4KEGMSX	NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		GE06LR1/4KEGX	NBR
Stainless steel	71	GE06LR1/4KEG71X	VIT
Brass	MS	GE06LR1/4KEGMSX	NBR



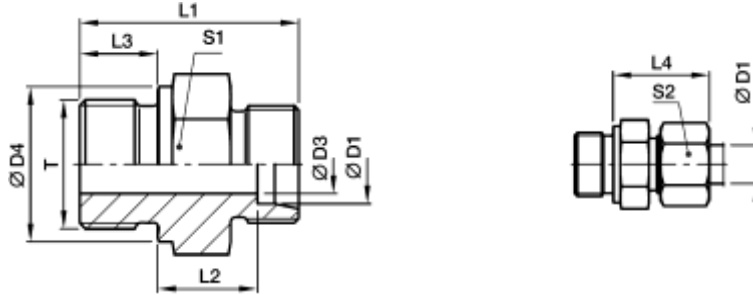
## 管接头系列 / Fitting Series



GE-M 金属唇口密封公制外螺纹端直通管接头 / GE-M Male Stud Connector, Metal sealing Edge

GE-M 外螺纹端直通管接头 - 公制螺纹, 金属唇口密封 (ISO 9974)

GE-M Male stud connector - Metric thread, metal sealing edge (ISO 9974)



### 安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight g	
		D1	T	D3	D4	L1	L2	L3	L4	S1	S2	71	MS		
L	GE06LM	06	M 10x1	4	14	23.5	8.5	8	23	14	14	315	315	200	13
	GE08LM	08	M 12x1.5	6	17	29.0	10.0	12	25	17	17	315	315	200	22
	GE10LM	10	M 14x1.5	7	19	30.0	11.0	12	26	19	19	315	315	200	31
	GE10LM10x1	10	M 10x1	4	14	25.5	10.5	8	25	17	19	315	315		20
	GE10LM12x1.5	10	M 12x1.5	6	17	30.0	11.0	12	26	17	19	315	315		25
	GE10LM16x1.5	10	M 16x1.5	8	21	31.5	12.0	12	27	22	19	315	315		41
	GE10LM18x1.5	10	M 18x1.5	8	23	31.5	12.5	12	27	24	19	315	315		50
	GE10LM22x1.5	10	M 22x1.5	8	27	35.0	14.0	14	29	27	19	315	315		72
	GE12LM14x1.5	12	M 14x1.5	7	19	30.0	11.0	12	26	19	22	315	315		30
	GE12LMA3C	12	M 16x1.5	9	21	31.5	12.5	12	27	22	22	315	315		40
	GE12LM18x1.5	12	M 18x1.5	10	23	31.5	12.5	12	27	24	22	315	315		47
	GE12LM22x1.5	12	M 22x1.5	10	27	31.5	14.0	14	29	27	22	315	315		76
	GE15LM16x1.5	15	M 16x1.5	9	21	32.0	13.0	12	28	24	27	250	250		50
	GE15LM	15	M 18x1.5	11	23	32.5	13.5	12	29	24	27	250	250	160	52
	GE15LM22x1.5	15	M 22x1.5	12	27	36.0	15.0	14	30	27	27	250	250		77
	GE18LM18x1.5	18	M 18x1.5	11	23	33.5	14.0	12	30	27	32	250	250		68
	GE18LM	18	M 22x1.5	14	27	36.0	14.5	14	31	27	32	250	250	160	77
	GE22LM22x1.5	22	M 22x1.5	14	27	38.0	16.5	14	33	32	36	160	160		92
	GE22LM	22	M 26x1.5	18	31	40.0	16.5	16	33	32	36	160	160	100	102
	GE28LM	28	M 33x2	23	39	43.0	17.5	18	34	41	41	160	160	100	168
GE35LM	35	M 42x2	30	49	48.0	17.5	20	39	50	50	160	160	100	280	
GE42LM	42	M 48x2	36	55	52.0	19.0	22	42	55	60	160	160	100	354	
S	GE06SM	06	M 12x1.5	4	17	32.0	13.0	12	28	17	17	400	400	250	30
	GE06SM14x1.5	06	M 14x1.5	4	19	34.0	15.0	12	30	19	17	400	400		42
	GE08SM	08	M 14x1.5	5	19	34.0	15.0	12	30	19	19	400	400	250	43
	GE10SM	10	M 16x1.5	7	21	34.5	15.0	12	31	22	22	400	400	250	54
	GE12SM	12	M 18x1.5	8	23	36.5	17.0	12	33	24	24	400	400	250	72
	GE12SM14x1.5	12	M 14x1.5	5	19	36.0	16.5	12	33	22	24	400	400		60
	GE12SM22x1.5	12	M 22x1.5	8	27	39.0	17.5	14	34	27	24	400	400		103
	GE14SM	14	M 20x1.5	10	25	41.0	19.0	14	37	27	27	400	400	250	95
	GE16SM18x1.5	16	M 18x1.5	8	23	38.5	18.0	12	36	27	30	400	400		88
	GE16SM	16	M 22x1.5	12	27	41.0	18.5	14	37	27	30	400	400	250	97
	GE20SM	20	M 27x2	16	32	47.0	20.5	16	42	32	36	400	400	250	155
	GE25SM	25	M 33x2	20	39	53.0	23.0	18	47	41	46	250	250	160	268
	GE30SM	30	M 42x2	25	49	57.0	23.5	20	50	50	50	160	160	100	421
	GE38SM	38	M 48x2	32	55	64.0	26.0	22	57	55	60	160	160	100	568

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

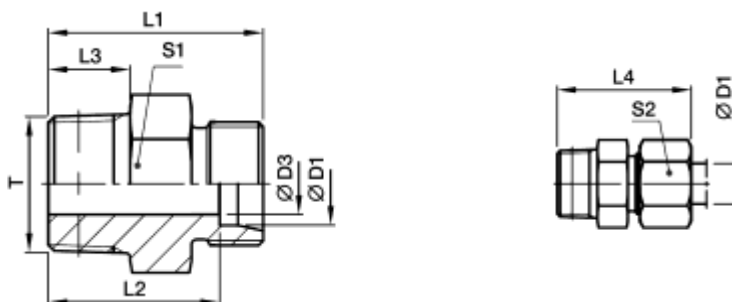
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		GE16SMX	NBR
不锈钢	71	GE16SM71X	VIT
黄铜	MS	GE16SMMSX	NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		GE16SMX	NBR
Stainless steel	71	GE16SM71X	VIT
Brass	MS	GE16SMMSX	NBR

**GE-M(KEG) 外螺纹端直通管接头 - 公制锥螺纹(DIN 3852-1 C型)**

GE-M(KEG) Male stud connector - Male short metric taper thread (DIN 3852-1, type C)


**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T	D3	D4	L1	L2	L3	L4	S1	S2	71	MS	g	
LL	GE04LLM6x1KEG	04	M 6x1	2.0		20	16.0	8	26	9	10	100			5
	GE04LLM	04	M 8x1	3.0		20	16.0	8	26	10	10	100	100	63	7
	GE06LLM	06	M 10x1	4.5		20	14.5	8	26	11	12	100	100	63	9
	GE06LLM8x1KEG	06	M 8x1	3.5		20	14.5	8	26	11	12	100			9
	GE08LLM	08	M 10x1	6.0		22	16.5	8	28	12	14	100	100	63	10

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		GE06LLMX	NBR
不锈钢	71	GE06LLM71X	VIT
黄铜	MS	GE06LLMMSX	NBR

Please add the suffixes below according to the material and surface required:

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		GE06LLMX	NBR
Stainless steel	71	GE06LLM71X	VIT
Brass	MS	GE06LLMMSX	NBR

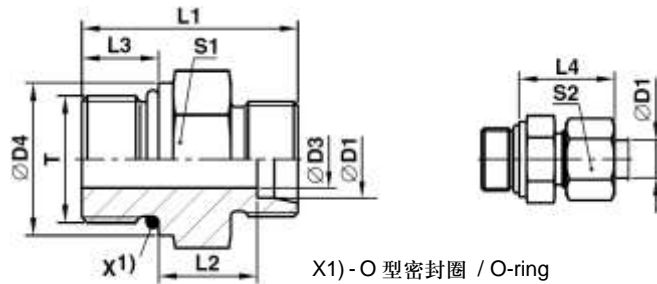


管接头系列 / Fitting Series



GE-UNF/UN O 型圈密封外螺纹端直通管接头 / GE-UNF/UN Male Stud Connector, O-ring

GE-UNF/UN 外螺纹端直通管接头 - 美制统一螺纹, O 型圈密封 (ISO 11926)  
 GE-UNF/UN Male stud connector - UNF/UN thread, O-ring (ISO 11926)



X1)- O 型密封圈 / O-ring

安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	T	D3	D4	L1	L2	L3	L4	S1	S2	71	MS	g
L	GE08L7/16UNFOMD	08	7/16-20UNF-2A	5.0	14.4	26	10.0	9.0	25	17	17	315	315	21
	GE10L7/16UNFOMD	10	7/16-20UNF-2A	5.0	14.4	27	11.0	10.0	26	17	19	315	315	23
	GE12L9/16UNFOMD	12	9/16-18UNF-2A	7.0	17.6	28	11.0	10.0	26	19	22	315	315	32
	GE12L3/4UNFOMD	12	3/4-16UNF-2A	10.0	22.3	31	13.0	11.0	28	24	22	315	315	52
	GE12L7/8UNFOMD	12	7/8-14UNF-2A	10.0	25.5	34	14.3	12.7	29	27	22	315	315	77
	GE15L3/4UNFOMD	15	3/4-16UNF-2A	11.0	22.3	32	14.0	11.0	29	24	27	315	315	57
	GE15L7/8UNFOMD	15	7/8-14UNF-2A	12.0	25.5	35	15.3	12.7	30	27	27	315	315	81
	GE18L3/4UNFOMD	18	3/4-16UNF-2A	11.0	22.3	33	14.5	11.0	31	27	32	315	315	68
	GE18L7/8UNFOMD	18	7/8-14UNF-2A	14.0	25.5	35	14.8	12.7	31	27	32	315	315	72
	GE22L7/8UNFOMD	22	7/8-14UNF-2A	14.0	25.5	37	16.8	12.7	33	32	36	160	160	94
	GE22L11/16UNOMD	22	11/16-12UN-2A	18.0	31.9	39	16.5	15.0	33	32	36	160	160	103
	GE22L15/16UNOMD	22	15/16-12UN-2A	19.0	38.2	40	17.5	15.0	34	41	36	160	160	163
	GE28L11/16UNOMD	28	11/16-12UN-2A	18.0	31.9	40	17.5	15.0	34	41	41	160	160	152
	GE28L15/16UNOMD	28	15/16-12UN-2A	23.0	38.2	40	17.5	15.0	34	41	41	160	160	163
S	GE08S7/16UNFOMD	08	7/16-20UNF-2A	4.0	16.0	31	15.0	9.0	30	17	19	630	630	33
	GE10S9/16UNFOMD	10	9/16-18UNF-2A	6.0	17.6	32	14.5	10.0	31	19	22	630	630	42
	GE12S9/16UNFOMD	12	9/16-18UNF-2A	6.0	17.6	32	14.5	10.0	31	22	24	630	630	50
	GE12S3/4UNFOMD	12	3/4-16UNF-2A	8.0	22.3	36	17.5	11.0	34	24	24	630	630	73
	GE16S3/4UNFOMD	16	3/4-16UNF-2A	10.5	22.3	35	15.5	11.0	34	24	30	400	400	90
	GE16S7/8UNFOMD	16	7/8-14UNF-2A	12.0	25.5	40	18.8	12.7	37	27	30	400	400	95
	GE20S3/4UNFOMD	20	3/4-16UNF-2A	10.0	22.3	42	20.5	11.0	42	32	36	400	400	132
	GE20S7/8UNFOMD	20	7/8-14UNF-2A	12.0	25.5	44	20.8	12.7	42	32	36	400	400	141
	GE20S11/16UNOMD	20	11/16-12UN-2A	16.0	31.9	46	20.5	15.0	42	32	36	400	400	163
	GE25S11/16UNOMD	25	11/16-12UN-2A	16.0	31.9	50	23.0	15.0	47	36	46	400	400	206
	GE25S15/16UNOMD	25	15/16-12UN-2A	20.0	38.2	50	23.0	15.0	47	41	46	400	400	258
	GE30S15/16UNOMD	30	15/16-12UN-2A	20.0	38.2	52	23.5	15.0	50	46	50	400	400	327
	GE30S15/8UNOMD	30	15/8-12UN-2A	24.0	47.7	52	23.5	15.0	50	50	50	400	400	422
	GE38S15/8UNOMD	38	15/8-12UN-2A	24.0	47.7	57	26.0	15.0	57	55	60	315	315	554

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

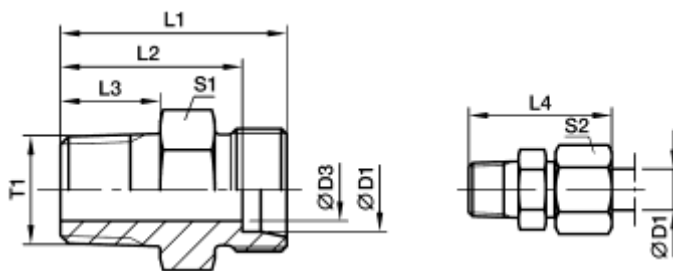
对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		GE16S3/4UNFOMD	NBR
不锈钢	71	GE16S3/4UNFOMD71	VIT
黄铜	MS		NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		GE16S3/4UNFOMD	NBR
Stainless steel	71	GE16S3/4UNFOMD71	VIT
Brass	MS		NBR

GE-NPT 外螺纹端直通管接头 - 美制锥螺纹 (SAE J467)  
 GE-NPT Male stud connector - Male NPT thread (SAE J467)



## 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T1	D3	D4	L1	L2	L3	L4	S1	S2	71	MS	g	
LL	GE04LL1/8NPT	04	1/8-27 NPT	3.0		22.0	18.0	10.0	28	11	10	100	100		9
	GE06LL1/8NPT	06	1/8-27 NPT	4.5		22.0	16.5	10.0	28	11	12	100	100	63	9
	GE08LL1/8NPT	08	1/8-27 NPT	5.0		24.0	18.5	10.0	30	12	14	100	100	63	11
L	GE06L1/8NPT	06	1/8-27 NPT	4.0		24.0	17.0	10.0	32	12	14	315	315	200	12
	GE06L1/4NPT	06	1/4-18 NPT	4.0		30.0	23.0	14.5	38	17	14	315	315	200	27
	GE06L3/8NPT	06	3/8-18 NPT	4.0		30.0	23.0	14.5	38	19	14	315	315		32
	GE06L1/2NPT	06	1/2-14 NPT	4.0		36.0	29.0	19.5	44	22	14	315	315		53
	GE08L1/8NPT	08	1/8-27 NPT	4.0		25.0	18.0	10.0	33	14	17	315	315		16
	GE08L1/4NPT	08	1/4-18 NPT	6.0		30.0	23.0	14.5	38	17	17	315	315	200	25
	GE08L3/8NPT	08	3/8-18 NPT	6.0		30.0	23.0	14.5	38	19	17	315	315		34
	GE08L1/2NPT	08	1/2-14 NPT	6.0		36.0	29.0	19.5	44	22	17	315	315		54
	GE10L1/8NPT	10	1/8-27 NPT	4.0		25.0	18.0	10.0	33	17	19	315	315		19
	GE10L1/4NPT	10	1/4-18 NPT	7.0		31.0	24.0	14.5	39	17	19	315	315	200	25
	GE10L3/8NPT	10	3/8-18 NPT	7.0		32.0	25.0	14.5	40	19	19	315	315		40
	GE10L1/2NPT	10	1/2-14 NPT	8.0		37.0	30.0	19.5	45	22	19	315	315		54
	GE10L3/4NPT	10	3/4-14 NPT	8.0		38.0	31.0	19.5	46	30	19	315	315		93
	GE12L1/8NPT	12	1/8-27 NPT	4.0		26.0	19.0	10.0	34	19	22	315	315		52
	GE12L1/4NPT	12	1/4-18 NPT	7.0		32.0	25.0	14.5	40	19	22	315	315	200	31
	GE12L3/8NPT	12	3/8-18 NPT	8.0		32.0	25.0	14.5	40	19	22	315	315	200	37
	GE12L1/2NPT	12	1/2-14 NPT	10.0		37.0	30.0	19.5	45	22	22	315	315	200	62
	GE15L3/8NPT	15	3/8-18 NPT	8.0		33.0	26.0	14.5	41	24	27	315	315		53
	GE15L1/2NPT	15	1/2-14 NPT	12.0		38.0	31.0	19.5	46	24	27	315	315	200	63
	GE15L3/4NPT	15	3/4-14 NPT	12.0		39.0	32.0	19.5	47	30	27	315	315		112
	GE15L1NPT	15	1-11 1/2 NPT	12.0		45.0	38.0	24.5	53	36	27	315	315		158
	GE18L3/8NPT	18	3/8-18 NPT	8.0		34.0	26.5	14.5	43	27	32	315	315		69
	GE18L1/2NPT	18	1/2-14 NPT	12.0		39.0	31.5	19.5	48	27	32	315	315	200	79
	GE18L3/4NPT	18	3/4-14 NPT	15.0		39.0	31.5	19.5	48	30	32	315	315		104
	GE18L1NPT	18	1-11 1/2 NPT	15.0		45.0	37.5	24.5	54	36	32	315	315		159
	GE22L3/8NPT	22	3/8-18 NPT	8.0		36.5	29.0	14.5	45	32	36	160	160		91
	GE22L1/2NPT	22	1/2-14 NPT	12.0		41.0	33.5	19.5	50	32	36	160	160		96
	GE22L3/4NPT	22	3/4-14 NPT	16.0		41.0	33.5	19.5	50	32	36	160	160	100	108
GE22L1NPT	22	1-11 1/2 NPT	19.0		47.0	39.5	24.5	56	36	36	160	160		174	
GE28L3/4NPT	28	3/4-14 NPT	16.0		42.0	34.5	19.5	51	41	41	160	160		157	
GE28L1NPT	28	1-11 1/2 NPT	21.0		47.0	39.5	24.5	56	41	41	160	160	100	197	
GE28L11/4NPT	28	1 1/4-11 1/2 NPT	24.0		49.0	41.5	25.0	48	46	41	160	160		266	
GE35L1NPT	35	1-11 1/2 NPT	22.0		50.0	39.5	24.5	61	46	50	160	160		280	
GE35L11/4NPT	35	1 1/4-11 1/2 NPT	28.0		51.0	40.5	25.0	62	46	50	160	160		285	
GE42L11/4NPT	42	1 1/4-11 1/2 NPT	28.0		53.0	42.0	25.0	65	55	60	160	160		382	
GE42L11/2NPT	42	1 1/2-11 1/2 NPT	36.0		53.0	42.0	26.0	65	55	60	160	160		377	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 说表该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀, 详见后续页。

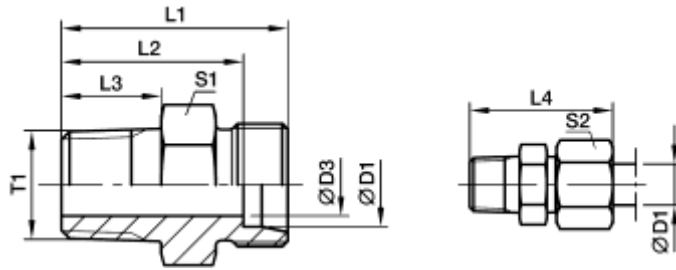
Please add the suffixes below according to the material and surface required. See next page for details.

管接头系列 / Fitting Series



GE-NPT 外螺纹端直通管接头 / GE-NPT Male Stud Connector

GE-NPT 外螺纹端直通管接头 - 美制锥螺纹 (SAE J467)  
GE-NPT Male stud connector - Male NPT thread (SAE J467)



安装尺寸(续) / Dimensions (continued)

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight
		D1	T1	D3	D4	L1	L2	L3	L4	S1	S2	71	MS	g	
S	GE06S1/8NPT	06	1/8-27 NPT	4		28	21.0	10.0	36	14	17	630	630		21
	GE06S1/4NPT	06	1/4-18 NPT	4		35	28.0	14.5	43	17	17	630	630	400	37
	GE06S3/8NPT	06	3/8-18 NPT	4		33	26.0	14.5	41	19	17	630	630		40
	GE06S1/2NPT	06	1/2-14 NPT	4		42	35.0	19.5	50	22	17	630	630		71
	GE08S1/4NPT	08	1/4-18 NPT	5		35	28.0	14.5	43	17	19	630	630	400	38
	GE08S3/8NPT	08	3/8-18 NPT	5		35	28.0	14.5	43	19	19	630	630		46
	GE08S1/2NPT	08	1/2-14 NPT	5		42	35.0	19.5	50	22	19	630	630	400	73
	GE10S1/4NPT	10	1/4-18 NPT	5		35	27.5	14.5	44	19	22	630	630		45
	GE10S3/8NPT	10	3/8-18 NPT	7		35	27.5	14.5	44	19	22	630	630	400	49
	GE10S1/2NPT	10	1/2-14 NPT	7		42	34.5	19.5	51	22	22	630	630	400	73
	GE10S3/4NPT	10	3/4-14 NPT	7		44	36.5	19.5	53	30	22	630	630		125
	GE12S1/4NPT	12	1/4-18 NPT	5		37	29.5	14.5	46	22	24	630	630		57
	GE12S3/8NPT	12	3/8-18 NPT	8		37	29.5	14.5	46	22	24	630	630	400	62
	GE12S1/2NPT	12	1/2-14 NPT	8		42	34.5	19.5	51	22	24	630	630	400	83
	GE12S3/4NPT	12	3/4-14 NPT	8		44	36.5	19.5	53	30	24	630	630		126
	GE14S3/8NPT	14	3/8-18 NPT	8		39	31.0	14.5	49	24	27	630	630		77
	GE14S1/2NPT	14	1/2-14 NPT	10		44	36.0	19.5	54	24	27	630	630	400	89
	GE14S3/4NPT	14	3/4-14 NPT	10		46	38.0	19.5	56	30	27	630	630		130
	GE14S1NPT	14	1-11 1/2 NPT	10		51	43.0	24.5	61	36	27	630	630		180
	GE16S3/8NPT	16	3/8-18 NPT	8		39	30.5	14.5	49	27	30	400	400		84
	GE16S1/2NPT	16	1/2-14 NPT	12		48	39.5	19.5	58	32	30	400	400	250	97
	GE16S3/4NPT	16	3/4-14 NPT	12		46	37.5	19.5	56	30	30	400	400		130
	GE16S1NPT	16	1-11 1/2 NPT	12		51	42.5	24.5	61	36	30	400	400		178
	GE20S1/2NPT	20	1/2-14 NPT	12		48	37.5	19.5	59	32	36	400	400		144
	GE20S3/4NPT	20	3/4-14 NPT	16		48	37.5	19.5	59	32	36	400	400	250	149
	GE20S1NPT	20	1-11 1/2 NPT	16		55	44.5	24.5	66	36	36	400	400		243
	GE25S3/4NPT	25	3/4-14 NPT	16		52	40.0	19.5	64	41	46	400	400		240
	GE25S1NPT	25	1-11 1/2 NPT	20		57	45.0	24.5	69	41	46	400	400		278
	GE25S11/4NPT	25	1 1/4-11 1/2 NPT	20		58	46.0	25.0	70	46	46	400	400		396
	GE25S11/2NPT	25	1 1/2-11 1/2 NPT	20		61	49.0	26.0	73	50	46	400	400		469
	GE30S3/4NPT	30	3/4-14 NPT	16		54	40.5	19.5	67	46	50	400	400		307
	GE30S1NPT	30	1-11 1/2 NPT	20		59	45.5	24.5	72	46	50	400	400		343
GE30S11/4NPT	30	1 1/4-11 1/2 NPT	25		60	46.5	25.0	73	46	50	400	400		397	
GE30S11/2NPT	30	1 1/2-11 1/2 NPT	25		60	46.5	26.0	73	50	50	400	400		440	
GE38S1NPT	38	1-11 1/2 NPT	22		64	48.0	24.5	79	55	60	315	315		510	
GE38S11/4NPT	38	1 1/4-11 1/2 NPT	25		65	49.0	25.0	80	55	60	315	315		535	
GE38S11/2NPT	38	1 1/2-11 1/2 NPT	32		65	49.0	26.0	80	55	60	315	315		571	

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		GE16S1/2NPTX	NBR
不锈钢	71	GE16S1/2NPT71X	VIT
黄铜	MS	GE16S1/2NPTMSX	NBR

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

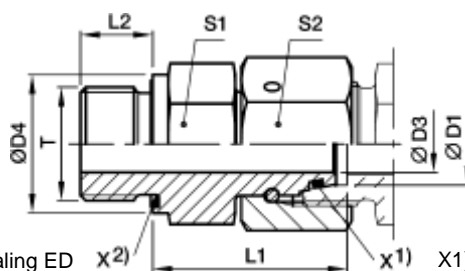
<sup>2)</sup> Pressure shown means the item deliverable.

Please add the suffixes below according to the material and surface required:

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		GE16S1/2NPTX	NBR
Stainless steel	71	GE16S1/2NPT71X	VIT
Brass	MS	GE16S1/2NPTMSX	NBR

**EGE-M-ED 端直通转向管接头 - 公制螺纹, ED(异型圈)密封 (ISO 9974)**

EGE-M-ED Male stud swivel connector - Male metric thread, ED-seal (ISO 9974)



X2) - ED 异型密封圈 / Eolastic-sealing ED X2) X1) - O 型密封圈 / O-ring

**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions								公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight g
		D1	T	D3	D4	L1	L2	S1	S2	71	MS	
L	EGE06LMED	06	M 10x1	2.5	14	24.5	8	14	14	500	315	27
	EGE08LMED	08	M 12x1.5	4.0	17	26.5	12	17	17	500	315	45
	EGE10LMED	10	M 14x1.5	6.0	19	27.5	12	19	19	500	315	57
	EGE12LMED	12	M 16x1.5	8.0	22	30.5	12	22	22	400	315	82
	EGE12LM22x1.5ED	12	M 22x1.5	8.0	27	27.0	14	27	22	400	315	92
	EGE15LMED	15	M 18x1.5	10.0	24	31.5	12	24	27	400	315	113
	EGE15LM22x1.5ED	15	M 22x1.5	10.0	27	32.0	14	27	27	400	315	142
	EGE18LMED	18	M 22x1.5	13.0	27	31.5	14	27	32	400	315	148
	EGE22LMED	22	M 26x1.5	17.0	32	32.5	16	32	36	250	160	203
	EGE28LMED	28	M 33x2	22.0	40	35.0	18	41	41	250	160	289
S	EGE35LMED	35	M 42x2	28.0	50	42.5	20	50	50	250	160	511
	EGE42LMED	42	M 48x2	34.0	55	46.5	22	55	60	250	160	711
	EGE06SMED	06	M 12x1.5	2.5	17	27.0	12	17	17	800	630	47
	EGE08SMED	08	M 14x1.5	4.0	19	29.5	12	19	19	800	630	65
	EGE10SMED	10	M 16x1.5	6.0	22	32.0	12	22	22	800	630	91
	EGE12SMED	12	M 18x1.5	8.0	24	34.0	12	24	24	630	630	112
	EGE14SMED	14	M 20x1.5	9.0	26	36.5	14	27	27	630	630	153
	EGE16SMED	16	M 22x1.5	11.0	27	37.0	14	27	30	630	400	174
	EGE20SMED	20	M 27x2	14.0	32	43.0	16	32	36	420	400	274
	EGE25SMED	25	M 33x2	18.0	40	48.0	18	41	46	420	400	497
EGE30SMED	30	M 42x2	23.0	50	51.0	20	50	50	420	400	691	
EGE38SMED	38	M 48x2	30.0	55	60.0	22	55	60	420	315	957	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		EGE16SMED	NBR
不锈钢	71	EGE16SMED71	VIT
黄铜	MS		NBR

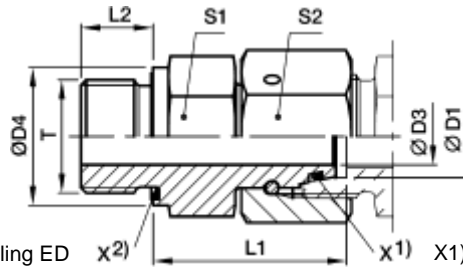
material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		EGE16SMED	NBR
Stainless steel	71	EGE16SMED71	VIT
Brass	MS		NBR

## 管接头系列 / Fitting Series



EGE-R-ED 端直通转向管接头, ED 密封 / EGE-R-ED Male Stud Swivel Connector, ED-seal

EGE-R-ED 端直通转向管接头 - 英制直管螺纹, ED(异型圈)密封 (ISO 1179)  
EGE-R-ED Male stud swivel connector - Male BSPP thread, ED-seal (ISO 1179)



X2) - ED 异型密封圈 / Eolastic-sealing ED X2) X1) - O 型密封圈 / O-ring

### 安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions								公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T	D3	D4	L1	L2	S1	S2	71	MS	g	
L	EGE06LRED	06	G 1/8 A	2.5	14	24.5	8	14	14	500	315		27
	EGE08LRED	08	G 1/4 A	4.0	19	29.5	12	19	17	500	315		28
	EGE10LRED	10	G 1/4 A	6.0	19	27.5	12	19	19	500	315		54
	EGE10LR3/8ED	10	G 3/8 A	6.0	22	29.0	12	22	19	400			70
	EGE12LRED	12	G 3/8 A	8.0	22	34.0	12	22	22	400	315		95
	EGE12LR1/4ED	12	G 1/4 A	6.0	19	27.5	12	19	22	400			65
	EGE12LR1/2ED	12	G 1/2 A	8.0	27	29.5	14	27	22	400			114
	EGE15LRED	15	G 1/2 A	10.0	27	32.0	14	27	27	400	315		137
	EGE18LRED	18	G 1/2 A	13.0	27	31.5	14	27	32	400	315		143
	EGE18LR3/4ED	18	G 3/4 A	13.0	32	29.5	16	32	32	250			182
	EGE22LRED	22	G 3/4 A	17.0	32	32.5	16	32	36	250	160		200
	EGE28LRED	28	G 1 A	22.0	40	35.0	18	41	41	250	160		289
	EGE35LRED	35	G 1 1/4 A	28.0	50	42.5	20	50	50	250	160		500
EGE42LRED	42	G 1 1/2 A	34.0	55	46.5	22	55	60	250	160		718	
S	EGE06SRED	06	G 1/4 A	2.5	19	27.0	12	19	17	800	630		53
	EGE08SRED	08	G 1/4 A	4.0	19	29.5	12	19	19	800	630		64
	EGE10SRED	10	G 3/8 A	6.0	22	32.0	12	22	22	800	630		93
	EGE12SRED	12	G 3/8 A	8.0	22	34.0	12	22	24	630	630		100
	EGE12SR1/4ED	12	G 1/4 A	5.0	19	31.5	12	19	24	630			140
	EGE12SR1/2ED	12	G 1/2 A	8.0	27	35.0	14	27	24	630	630		140
	EGE14SRED	14	G 1/2 A	9.0	27	36.5	14	27	27	630	630		157
	EGE16SRED	16	G 1/2 A	11.0	27	37.0	14	27	30	630	400		170
	EGE20SRED	20	G 3/4 A	14.0	32	43.0	16	32	36	420	400		273
	EGE25SRED	25	G 1 A	18.0	40	48.0	18	41	46	420	400		493
	EGE30SRED	30	G 1 1/4 A	23.0	50	51.0	20	50	50	420			691
EGE38SRED	38	G 1 1/2 A	30.0	55	60.0	22	55	60	420	315		934	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

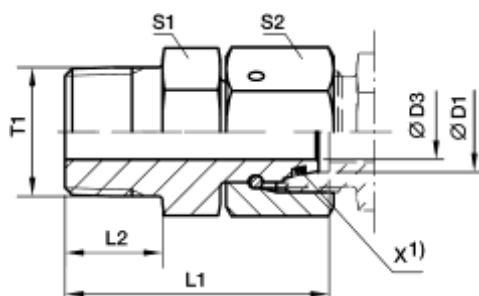
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		EGE16SRED	NBR
不锈钢	71	EGE16SRED71	VIT
黄铜	MS		NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		EGE16SRED	NBR
Stainless steel	71	EGE16SRED71	VIT
Brass	MS		NBR



EGE-NPT 端直通转向管接头 - 美制锥管螺纹 (SAE J476)  
 EGE-NPT Male stud swivel connector - Male NPT thread (SAE J476)



X1) - O 型密封圈 / O-ring

## 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions							公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight g
		D1	T1	D3	L1	L2	S1	S2	71	MS		
L	EGE06L1/8NPT	06	1/8-27 NPT	2.5	31.5	10.0	11	14	315			23
	EGE08L1/4NPT	08	1/4-18 NPT	4.0	37.5	14.5	14	17	315			41
	EGE10L1/4NPT	10	1/4-18 NPT	6.0	38.0	14.5	14	19	315			44
	EGE12L3/8NPT	12	3/8-18 NPT	8.0	40.0	14.5	19	22	315			69
	EGE15L1/2NPT	15	1/2-14 NPT	10.0	49.5	19.5	22	27	315			127
	EGE18L1/2NPT	18	1/2-14 NPT	12.0	49.0	19.5	24	32	315			142
	EGE22L3/4NPT	22	3/4-14 NPT	16.0	52.0	19.5	27	36	160			200
	EGE28L1NPT	28	1-11 1/2 NPT	22.0	61.0	24.5	36	41	160			306
	EGE35L11/4NPT	35	1 1/4-11 1/2 NPT	28.0	65.5	25.0	46	50	160			486
	EGE42L11/2NPT	42	1 1/2-11 1/2 NPT	34.0	68.5	26.0	50	60	160			662
S	EGE06S1/4NPT	06	1/4-18 NPT	2.5	37.5	14.5	14	17	630			42
	EGE08S1/4NPT	08	1/4-18 NPT	4.0	38.0	14.5	14	19	630			47
	EGE10S3/8NPT	10	3/8-18 NPT	6.0	40.5	14.5	19	22	630			75
	EGE12S3/8NPT	12	3/8-18 NPT	8.0	42.0	14.5	19	24	630			81
	EGE14S1/2NPT	14	1/2-14 NPT	9.0	50.5	19.5	22	27	630			131
	EGE16S1/2NPT	16	1/2-14 NPT	11.0	51.0	19.5	22	30	400			145
	EGE20S3/4NPT	20	3/4-14 NPT	14.0	54.0	19.5	27	36	400			221
	EGE25S1NPT	25	1-11 1/2 NPT	18.0	63.5	24.5	36	46	400			422
	EGE30S11/4NPT	30	1 1/4-11 1/2 NPT	23.0	70.5	25.0	46	50	400			628
	EGE38S11/2NPT	38	1 1/2-11 1/2 NPT	30.0	73.5	26.0	50	60	315			770

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

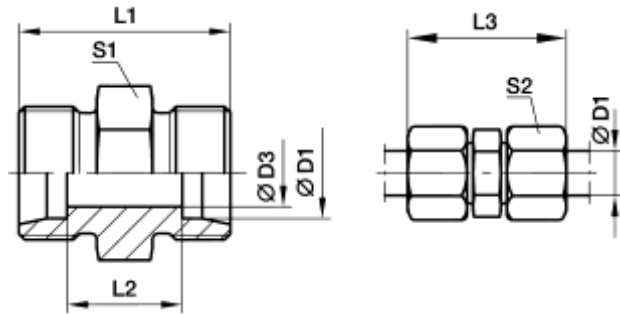
对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		EGE16S1/2NPT	NBR
不锈钢	71		VIT
黄铜	MS		NBR

Please add the suffixes below according to the material and surface required:

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		EGE16S1/2NPT	NBR
Stainless steel	71		VIT
Brass	MS		NBR

G 直通连接接头  
G Union



安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions							公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight
		D1	D3	L1	L2	L3	S1	S2	71	MS	g	
LL	G04LL	04	3.0	20	12	31	9	10	100	100	63	5
	G06LL	06	4.5	20	9	32	11	12	100	100	63	7
	G08LL	08	6.0	23	12	35	12	14	100	100	63	10
	G10LL	10	8.0	23	12	35	14	17	100	100	63	13
	G12LL	12	10.0	23	11	35	17	19	100	100	63	16
L	G06L	06	4.0	24	10	39	12	14	500	315	200	12
	G08L	08	6.0	25	11	40	14	17	500	315	200	16
	G10L	10	8.0	27	13	42	17	19	500	315	200	23
	G12L	12	10.0	28	14	43	19	22	400	315	200	28
	G15L	15	12.0	30	16	46	24	27	400	315	200	51
	G18L	18	15.0	31	16	48	27	32	400	315	200	69
	G22L	22	19.0	35	20	52	32	36	250	160	100	90
	G28L	28	24.0	36	21	54	41	41	250	160	100	137
	G35L	35	30.0	41	20	63	46	50	250	160	100	214
G42L	42	36.0	43	21	66	55	60	250	160	100	296	
S	G06S	06	4.0	30	16	45	14	17	800	630	400	26
	G08S	08	5.0	32	18	47	17	19	800	630	400	37
	G10S	10	7.0	32	17	49	19	22	800	630	400	44
	G12S	12	8.0	34	19	51	22	24	630	630	400	60
	G14S	14	10.0	38	22	57	24	27	630	630	400	77
	G16S	16	12.0	38	21	57	27	30	630	400	250	90
	G20S	20	16.0	44	23	66	32	36	420	400	250	143
	G25S	25	20.0	50	26	74	41	46	420	400	250	251
	G30S	30	25.0	54	27	80	46	50	420	400	250	330
G38S	38	32.0	61	29	90	55	60	420	315	200	545	

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see "Ordering code" on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

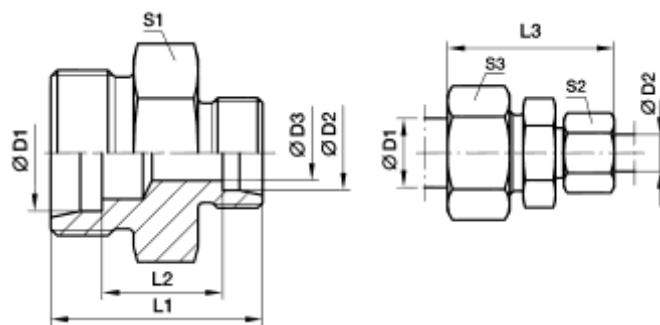
对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

材料	材料及表面处理后缀	示例
碳钢，无六价铬镀锌		G16SX
不锈钢	71	G16S71X
黄铜	MS	G16SMSX

Please add the suffixes below according to the material and surface required:

material	Suffix for Surface and material	Example
Steel, zinc plated, Cr(VI)-free		G16SX
Stainless steel	71	G16S71X
Brass	MS	G16SMSX



GR 直通变径连接接头  
 GR Straight reducer


## 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions									公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight g	
		D1	D2	D3	L1	L2	L3	S1	S2	S3	71	MS		
LL	GR06/04LL	06	04	3.0	20	10.5	32	11	10	12	100	100	63	7
	GR08/04LL	08	04	3.0	22	12.5	34	12	10	14	100	100	63	9
	GR08/06LL	08	06	4.5	22	11.0	34	12	12	14	100	100	63	11
L	GR08/06L	08	06	4.0	25	11.0	40	14	14	17	500	315	200	16
	GR10/06L	10	06	4.0	26	12.0	41	17	14	19	500	315	200	21
	GR10/08L	10	08	6.0	26	12.0	41	17	17	19	500	315	200	21
	GR12/06L	12	06	4.0	27	13.0	42	19	14	22	400	315	200	26
	GR12/08L	12	08	6.0	27	13.0	42	19	17	22	400	315	200	26
	GR12/10L	12	10	8.0	28	14.0	43	19	19	22	400	315	200	29
	GR15/10L	15	10	8.0	29	15.0	45	24	19	27	400	315	200	46
	GR15/12L	15	12	10.0	29	15.0	45	24	22	27	400	315	200	45
	GR18/10L	18	10	8.0	30	15.5	46	27	19	32	400	315	200	65
	GR18/12L	18	12	10.0	30	15.5	46	27	22	32	400	315	200	64
	GR18/15L	18	15	12.0	31	16.5	48	27	27	32	400	315	200	65
	GR22/12L	22	12	10.0	32	17.5	48	32	22	36	250	160	100	80
	GR22/15L	22	15	12.0	33	18.5	50	32	27	36	250	160	100	89
	GR22/18L	22	18	15.0	33	18.0	50	32	32	36	250	160	100	89
	GR28/18L	28	18	15.0	34	19.0	52	41	32	41	250	160	100	142
	GR28/22L	28	22	19.0	36	21.0	54	41	36	41	250	160	100	139
GR35/22L	35	22	19.0	39	21.0	59	46	36	50	250	160	100	202	
GR35/28L	35	28	24.0	39	21.0	59	46	41	50	250	160	100	206	
GR42/35L	42	35	30.0	43	21.5	66	55	50	60	250	160	100	330	
S	GR08/06S	08	06	4.0	32	18.0	47	17	17	19	800	630	400	35
	GR10/06S	10	06	4.0	32	17.5	48	19	17	22	800	630	400	41
	GR10/08S	10	08	5.0	32	17.5	48	19	19	22	800	630	400	42
	GR12/06S	12	06	4.0	34	19.5	50	22	17	24	630	630	400	56
	GR12/08S	12	08	5.0	34	19.5	50	22	19	24	630	630	400	57
	GR12/10S	12	10	7.0	34	19.0	51	22	22	24	630	630	400	59
	GR14/10S	14	10	7.0	36	20.5	54	24	22	27	630	630	400	70
	GR14/12S	14	12	8.0	36	20.5	54	24	24	27	630	630	400	72
	GR16/10S	16	10	7.0	36	20.0	54	27	22	30	630	400	250	80
	GR16/12S	16	12	8.0	36	20.0	54	27	24	30	630	400	250	87
	GR16/14S	16	14	10.0	36	21.5	57	27	27	30	630	400	250	79
	GR20/10S	20	10	7.0	40	22.0	60	32	22	36	420	400	250	129
	GR20/12S	20	12	8.0	40	22.0	60	32	24	36	420	400	250	131
	GR20/16S	20	16	12.0	42	23.0	63	32	30	36	420	400	250	134
	GR25/16S	25	16	12.0	46	25.5	68	41	30	46	420	400	250	236
	GR25/20S	25	20	16.0	48	25.5	71	41	36	46	420	400	250	235
GR30/20S	30	20	16.0	50	26.0	74	46	36	50	420	400	250	299	
GR30/25S	30	25	20.0	52	26.5	77	46	46	50	420	400	250	317	
GR38/30S	38	30	25.0	59	29.5	87	55	50	60	420	315	200	522	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

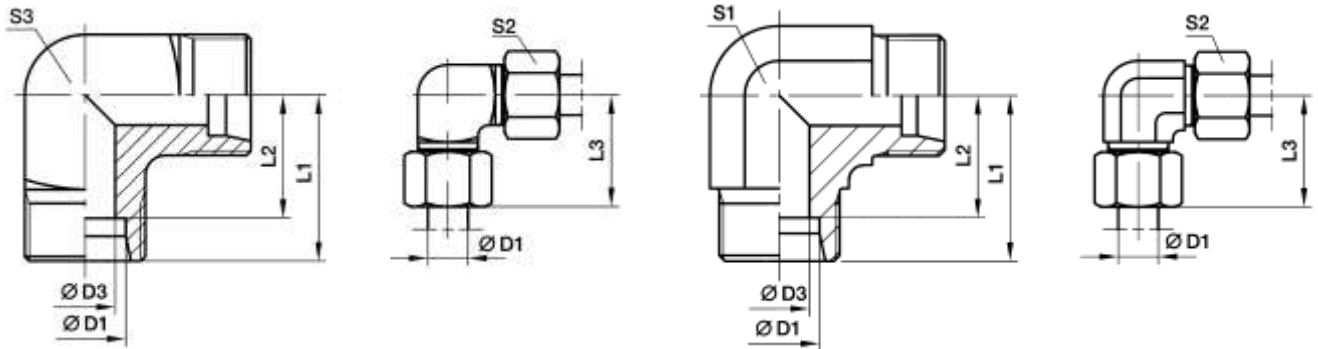
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		GR16/12SX
不锈钢	71	GR16/12S71X
黄铜	MS	GR16/12SMSX

material	Suffix for Surface and material	Example
Steel, zinc plated, Cr(VI)-free		GR16/12SX
Stainless steel	71	GR16/12S71X
Brass	MS	GR16/12SMSX

W 连接弯头

W Union elbow



图示外形碳钢及黄铜制接头体(S3)规格: Profile body steel and brass (S3)

LL 系列	D1: 4 - 12 mm	Series LL	D1: 4 - 12 mm
L 系列	D1: 6 - 12 mm	Series L	D1: 6 - 12 mm
S 系列	D1: 6 - 12 mm	Series S	D1: 6 - 12 mm

安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions								公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight
		D1	D3	L1	L2	L3	S1	S2	S3	71	MS	g	
LL	W04LL	04	3.0	15	11.0	21	9	10	9	100	100	63	13
	W06LL	06	4.5	15	9.5	21	9	12	11	100	100	63	15
	W08LL	08	6.0	17	11.5	23	12	14	12	100	100	63	23
	W10LL	10	8.0	18	12.5	24	12	17	14	100	100	63	32
	W12LL	12	10.0	19	13.0	25	14	19	17	100	100	63	41
L	W06L	06	4.0	19	12.0	27	12	14	12	500	315	200	29
	W08L	08	6.0	21	14.0	29	12	17	14	500	315	200	43
	W10L	10	8.0	22	15.0	30	14	19	17	500	315	200	54
	W12L	12	10.0	24	17.0	32	17	22	19	400	315	200	80
	W15L	15	12.0	28	21.0	36	19	27		400	315	200	81
	W18L	18	15.0	31	23.5	40	24	32		400	315	200	140
	W22L	22	19.0	35	27.5	44	27	36		250	160	100	178
	W28L	28	24.0	38	30.5	47	36	41		250	160	100	340
	W35L	35	30.0	45	34.5	56	41	50		250	160	100	458
W42L	42	36.0	51	40.0	63	50	60		250	160	100	776	
S	W06S	06	4.0	23	16.0	31	12	17	14	800	630	400	52
	W08S	08	5.0	24	17.0	32	14	19	17	800	630	400	74
	W10S	10	7.0	25	17.5	34	17	22	19	800	630	400	97
	W12S	12	8.0	29	21.5	38	17	24	22	630	630	400	137
	W14S	14	10.0	30	22.0	40	19	27		630	630	400	145
	W16S	16	12.0	33	24.5	43	24	30		630	400	250	162
	W20S	20	16.0	37	26.5	48	27	36		420	400	250	221
	W25S	25	20.0	42	30.0	54	36	46		420	400	250	424
	W30S	30	25.0	49	35.5	62	41	50		420	400	250	603
W38S	38	32.0	57	41.0	72	50	60		420	315	200	1010	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		W16SX
不锈钢	71	W16S71X
黄铜	MS	W16SMSX

material	Suffix for Surface and material	Example
Steel, zinc plated, Cr(VI)-free		W16SX
Stainless steel	71	W16S71X
Brass	MS	W16SMSX

**T三通连接接头**

T Union T

图示外形碳钢及黄铜制接头体(S3)规格:

LL 系列 D1: 4 - 12 mm

L 系列 D1: 6 - 8 mm

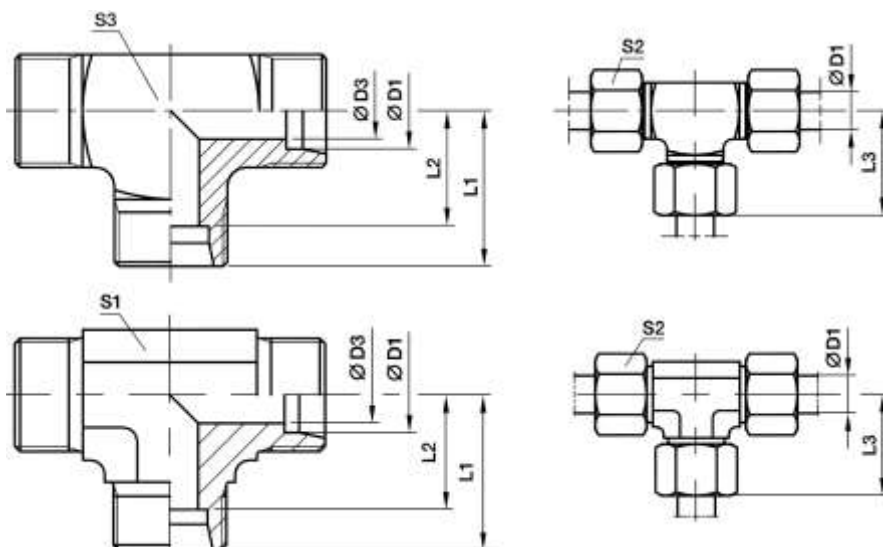
S 系列 D1: 6 mm

**Profile body steel and brass (S3)**

Series LL D1: 4 - 10 mm

Series L D1: 6 - 8 mm

Series S D1: 6 mm


**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions								公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight
		D1	D3	L1	L2	L3	S1	S2	S3	71	MS	g	
LL	T04LL	04	3.0	15	11.0	21	9	10	9	100	100	63	19
	T06LL	06	4.5	15	9.5	21	9	12	11	100	100	63	20
	T08LL	08	6.0	17	11.5	23	12	14	12	100	100	63	27
	T10LL	10	8.0	18	12.5	24	12	17	14	100	100	63	39
	T12LL	12	10.0	21	15.0	27	14	19		100	100	63	45
L	T06L	06	4.0	19	12.0	27	12	14	12	500	315	200	37
	T08L	08	6.0	21	14.0	29	12	17	14	500	315	200	53
	T10L	10	8.0	22	15.0	30	14	19		500	315	200	48
	T12L	12	10.0	24	17.0	32	17	22		400	315	200	65
	T15L	15	12.0	28	21.0	36	19	27		400	315	200	106
	T18L	18	15.0	31	23.5	40	24	32		400	315	200	179
	T22L	22	19.0	35	27.5	44	27	36		250	160	100	225
	T28L	28	24.0	38	30.5	47	36	41		250	160	100	396
	T35L	35	30.0	45	34.5	56	41	50		250	160	100	567
	T42L	42	36.0	51	40.0	63	50	60		250	160	100	905
S	T06S	06	4.0	23	16.0	31	12	17	14	800	630	400	68
	T08S	08	5.0	24	17.0	32	14	19		800	630	400	70
	T10S	10	7.0	25	17.5	34	17	22		800	630	400	91
	T12S	12	8.0	29	21.5	38	17	24		630	630	400	117
	T14S	14	10.0	30	22.0	40	19	27		630	630	400	136
	T16S	16	12.0	33	24.5	43	24	30		630	400	250	202
	T20S	20	16.0	37	26.5	48	27	36		420	400	250	289
	T25S	25	20.0	42	30.0	54	36	46		420	400	250	545
	T30S	30	25.0	49	35.5	62	41	50		420	400	250	758
	T38S	38	32.0	57	41.0	72	50	60		420	315	200	1264

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		T16SX
不锈钢	71	T16S71X
黄铜	MS	T16SMSX

material	Suffix for Surface and material	Example
Steel, zinc plated, Cr(VI)-free		T16SX
Stainless steel	71	T16S71X
Brass	MS	T16SMSX

# 管接头系列 / Fitting Series

TR 变径三通连接接头 / TR Tee Reducer



## TR 变径三通连接接头

TR Tee reducer

图示外形碳钢及黄铜制接头体(S1)规格:

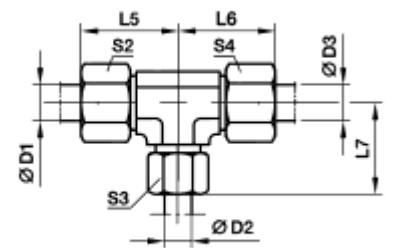
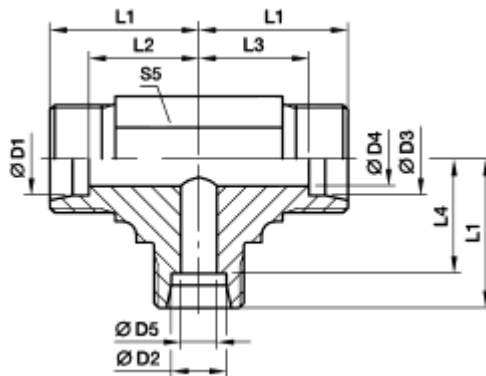
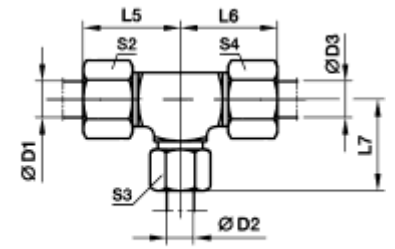
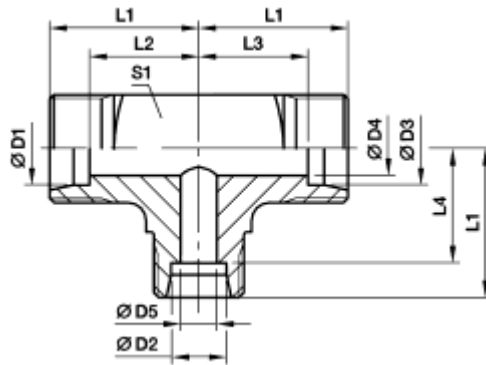
LL 系列 D1, D2, D3: 4 - 8 mm

L 系列 D1, D2, D3: 6 - 8 mm

Profile body steel and brass (S1)

Series LL D1, D2, D3: 4 - 8 mm

Series L D1, D2, D3: 6 - 8 mm



## 安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions																公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight	
		D1	D2	D3	D4	D5	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3	S4	S5	71	MS	g	
LL	TR04/08/04LL	04	08	04	3.0	6	17	13.0	13.0	11.5	23	23	23	12	10	14	10	12	100	100	63	27
	TR06/04/06LL	06	04	06	4.5	3	15	9.5	9.5	11.0	21	21	21	11	12	10	12	9	100	100	63	18
L	TR06/08/06L	06	08	06	4.0	6	21	14.0	14.0	14.0	29	29	29	14	14	17	14	12	500	315	200	54
	TR08/06/08L	08	06	08	6.0	4	21	14.0	14.0	14.0	29	29	29	14	17	14	17	12	500	315	200	53
	TR06/10/06L	06	10	06	4.0	8	22	15.0	15.0	15.0	30	30	30		14	19	14	14	500	315	200	53
	TR08/10/08L	08	10	08	6.0	8	22	15.0	15.0	15.0	30	30	30		17	19	17	14	500	315	200	50
	TR10/06/10L	10	06	10	8.0	4	22	15.0	15.0	15.0	30	30	30		19	14	19	14	500	315	200	46
	TR10/08/10L	10	08	10	8.0	6	22	15.0	15.0	15.0	30	30	30		19	17	19	14	500	315	200	43
	TR10/10/06L	10	10	06	4.0	8	22	15.0	15.0	15.0	30	30	30		19	19	14	14	500	315	200	49
	TR08/12/08L	08	12	08	6.0	10	24	17.0	17.0	17.0	32	32	32		17	22	17	17	400	315	200	67
	TR12/06/12L	12	06	12	10.0	4	24	17.0	17.0	17.0	32	32	32		22	14	22	17	400	315	200	66
	TR12/08/08L	12	08	08	6.0	6	24	17.0	17.0	17.0	32	32	32		22	17	17	17	400	315	200	66
	TR12/08/12L	12	08	12	10.0	6	24	17.0	17.0	17.0	32	32	32		22	17	22	17	400	315	200	68
	TR12/10/10L	12	10	10	8.0	8	24	17.0	17.0	17.0	32	32	32		22	19	19	17	400	315	200	67
	TR12/10/12L	12	10	12	10.0	8	24	17.0	17.0	17.0	32	32	32		22	19	22	17	400	315	200	67
	TR12/12/10L	12	12	10	8.0	10	24	17.0	17.0	17.0	32	32	32		22	22	19	17	400	315	200	64
	TR10/15/10L	10	15	10	8.0	12	28	21.0	21.0	21.0	36	36	36		19	27	19	19	400	315	200	105
	TR12/15/12L	12	15	12	10.0	12	28	21.0	21.0	21.0	36	36	36		22	27	22	19	400	315	200	102
	TR15/06/15L	15	06	15	12.0	4	28	21.0	21.0	21.0	36	36	36		27	14	27	19	400	315	200	107
	TR15/10/15L	15	10	15	12.0	8	28	21.0	21.0	21.0	36	36	36		27	19	27	19	400	315	200	105
	TR15/12/12L	15	12	12	10.0	10	28	21.0	21.0	21.0	36	36	36		27	22	22	19	400	315	200	101
	TR15/12/15L	15	12	15	12.0	10	28	21.0	21.0	21.0	36	36	36		27	22	27	19	400	315	200	105
TR15/15/12L	15	15	12	10.0	12	28	21.0	21.0	21.0	36	36	36		27	27	22	19	400	315	200	103	
TR12/18/12L	12	18	12	10.0	15	31	24.0	24.0	23.5	39	39	40		22	32	22	24	400	315	200	177	
TR18/10/10L	18	10	10	8.0	8	31	23.5	24.0	24.0	40	39	39		32	19	19	24	400	315	200	173	
TR18/10/18L	18	10	18	15.0	8	31	23.5	23.5	24.0	40	40	39		32	19	32	24	400	315	200	182	
TR18/12/18L	18	12	18	15.0	10	31	23.5	23.5	24.0	40	40	39		32	22	32	24	400	315	200	174	

TR 变径三通连接接头  
TR Tee reducer

安装尺寸 (续) / Dimensions (continued)

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions															公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight		
		D1	D2	D3	D4	D5	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3	S4	S5	71	MS	g	
L	TR18/15/18L	18	15	18	15.0	12	31	23.5	23.5	24.0	40	40	39		32	27	32	24	400	315	200	179
	TR18/18/10L	18	18	10	8.0	15	31	23.5	24.0	23.5	40	39	40		32	32	19	24	400	315	200	171
	TR22/10/22L	22	10	22	19.0	8	35	27.5	27.5	28.0	44	44	43		36	19	36	27	250	160	100	232
	TR22/12/22L	22	12	22	19.0	10	35	27.5	27.5	28.0	44	44	43		36	22	36	27	250	160	100	229
	TR22/15/15L	22	15	15	12.0	12	35	27.5	28.0	28.0	44	43	43		36	27	27	27	250	160	100	240
	TR22/15/22L	22	15	22	19.0	12	35	27.5	27.5	28.0	44	44	43		36	27	36	27	250	160	100	233
	TR22/18/18L	22	18	18	15.0	15	35	27.5	27.5	27.5	44	44	44		36	32	32	27	250	160	100	236
	TR22/18/22L	22	18	22	19.0	15	35	27.5	27.5	27.5	44	44	44		36	32	36	27	250	160	100	239
	TR22/22/18L	22	22	18	15.0	19	35	27.5	27.5	27.5	44	44	44		36	36	32	27	250	160	100	228
	TR28/10/28L	28	10	28	24.0	8	38	30.5	30.5	31.0	47	47	46		41	19	41	36	250	160	100	412
	TR28/12/28L	28	12	28	24.0	10	38	30.5	30.5	31.0	47	47	46		41	22	41	36	250	160	100	408
	TR28/15/28L	28	15	28	24.0	12	38	30.5	30.5	31.0	47	47	46		41	27	41	36	250	160	100	423
	TR28/18/28L	28	18	28	24.0	15	38	30.5	30.5	30.5	47	47	47		41	32	41	36	250	160	100	421
TR28/22/22L	28	22	22	19.0	19	38	30.5	30.5	30.5	47	47	47		41	36	36	36	250	160	100	412	
TR28/22/28L	28	22	28	24.0	19	38	30.5	30.5	30.5	47	47	47		41	36	41	36	250	160	100	415	
S	TR10/06/10S	10	06	10	7.0	4	25	17.5	17.5	18.0	34	34	33		22	17	22	17	800	630	400	103
	TR12/08/08S	12	08	08	5.0	5	29	21.5	22.0	22.0	38	37	37		24	19	19	17	630	630	400	107
	TR12/08/12S	12	08	12	8.0	5	29	21.5	21.5	22.0	38	38	37		24	19	24	17	630	630	400	105
	TR12/10/12S	12	10	12	8.0	7	29	21.5	21.5	21.5	38	38	38		24	22	24	17	630	630	400	114
	TR12/16/12S	12	16	12	8.0	12	33	25.5	25.5	24.5	42	42	43		24	30	24	24	630	400	250	190
	TR16/06/16S	16	06	16	12.0	4	33	24.5	24.5	26.0	43	43	41		30	17	30	24	630	400	250	176
	TR16/08/16S	16	08	16	12.0	5	33	24.5	24.5	26.0	43	43	41		30	19	30	24	630	400	250	208
	TR16/10/16S	16	10	16	12.0	7	33	24.5	24.5	25.5	43	43	42		30	22	30	24	630	400	250	210
	TR16/12/16S	16	12	16	12.0	8	33	24.5	24.5	25.5	43	43	42		30	24	30	24	630	400	250	386
	TR16/20/16S	16	20	16	12.0	16	37	28.5	28.5	26.5	47	47	48		30	36	30	27	420	400	250	296
	TR20/10/20S	20	10	20	16.0	7	37	26.5	26.5	29.5	48	48	46		36	22	36	27	420	400	250	553
	TR20/12/20S	20	12	20	16.0	8	37	26.5	26.5	29.5	48	48	46		36	24	36	27	420	400	250	306
	TR20/16/20S	20	16	20	16.0	12	37	26.5	26.5	28.5	48	48	47		36	30	36	27	420	400	250	285
	TR20/25/20S	20	25	20	16.0	20	42	31.5	31.5	30.0	53	53	54		36	46	36	36	420	400	250	544
	TR25/16/25S	25	16	25	20.0	12	42	30.0	30.0	33.5	54	54	52		46	30	46	36	420	400	250	556
TR25/20/25S	25	20	25	20.0	16	42	30.0	30.0	31.5	54	54	53		46	36	46	36	420	400	250	544	
TR25/30/25S	25	30	25	20.0	25	49	37.0	37.0	35.5	61	61	62		46	50	46	41	420	400	250	791	

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

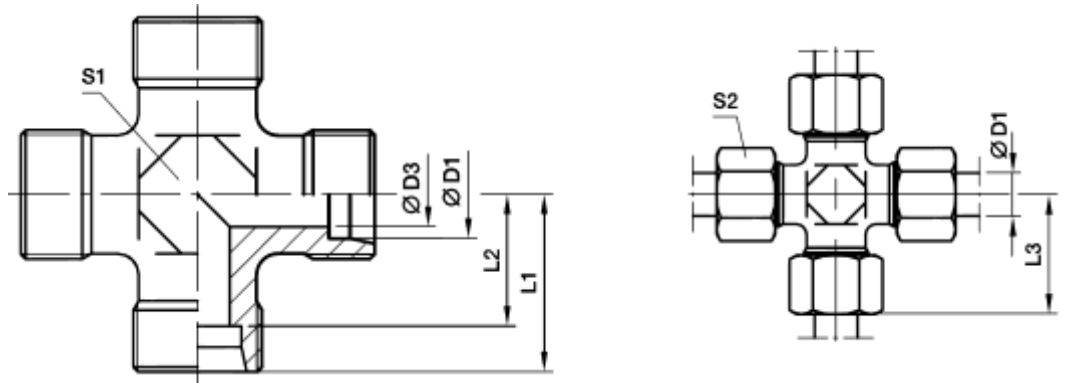
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		TR16/12/16SX
不锈钢	71	TR16/12/16S71X
黄铜	MS	TR16/12/16SMSX

material	Suffix for Surface and material	Example
Steel, zinc plated, Cr(VI)-free		TR16/12/16SX
Stainless steel	71	TR16/12/16S71X
Brass	MS	TR16/12/16SMSX

K 四通连接接头

K Union cross



安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions							公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight
		D1	D3	L1	L2	L3	S1	S2	71	MS	g	
LL	K04LL	04	3.0	15	11.0	21	9	10	100	100	63	13
	K06LL	06	4.5	15	9.5	21	9	12	100	100	63	14
	K08LL	08	6.0	17	11.5	23	12	14	100	100	63	24
L	K06L	06	4.0	19	12.0	27	12	14	315	315	200	35
	K08L	08	6.0	21	14.0	29	12	17	315	315	200	40
	K10L	10	8.0	22	15.0	30	14	19	315	315	200	52
	K12L	12	10.0	24	17.0	32	17	22	315	315	200	69
	K15L	15	12.0	28	21.0	36	19	27	315	315	200	130
	K18L	18	15.0	31	23.5	40	24	32	315	315	200	188
	K22L	22	19.0	35	27.5	44	27	36	160	160	100	251
	K28L	28	24.0	38	30.5	47	36	41	160	160	100	392
	K35L	35	30.0	45	34.5	56	41	50	160	160	100	618
	K42L	42	36.0	51	40.0	63	50	60	160	160	100	905
S	K06S	06	4.0	23	16.0	31	12	17	630	630	400	58
	K08S	08	5.0	24	17.0	32	14	19	630	630	400	82
	K10S	10	7.0	25	17.5	34	17	22	630	630	400	97
	K12S	12	8.0	29	21.5	38	17	24	630	630	400	146
	K14S	14	10.0	30	22.0	40	19	27	400	400	250	176
	K16S	16	12.0	33	24.5	43	24	30	400	400	250	220
	K20S	20	16.0	37	26.5	48	27	36	315	315	200	339
	K25S	25	20.0	42	30.0	54	36	46	315	315	200	576
	K30S	30	25.0	49	35.5	62	41	50	315	315	200	843
	K38S	38	32.0	57	41.0	72	50	60	315	315	200	1350

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

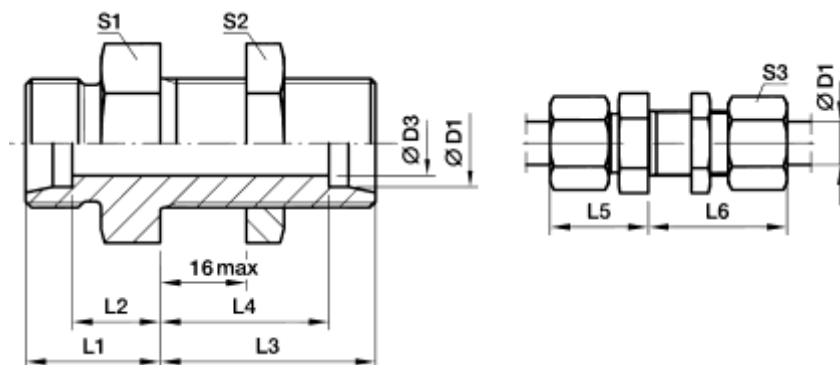
材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		K16SX
不锈钢	71	K16S71X
黄铜	MS	K16SMSX

Please add the suffixes below according to the material and surface required:

material	Suffix for Surface and material	Example
Steel, zinc plated, Cr(VI)-free		K16SX
Stainless steel	71	K16S71X
Brass	MS	K16SMSX



SV 隔壁通连接接头  
SV Bulkhead union



安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions											公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	D3	L1	L2	L3	L4	L5	L6	S1	S2	S3	71	MS	g	
L	SV06LOMD	06	4	14	7.0	34	27.0	22	42	17	17	14	500	315	200	39
	SV08LOMD	08	6	15	8.0	34	27.0	23	42	19	19	17	500	315	200	50
	SV10LOMD	10	8	17	10.0	35	28.0	25	43	22	22	19	500	315	200	67
	SV12LOMD	12	10	17	10.0	36	29.0	25	44	24	24	22	400	315	200	78
	SV15LOMD	15	12	19	12.0	38	31.0	27	46	27	30	27	400	315	200	128
	SV18LOMD	18	15	21	13.5	40	32.5	30	49	32	36	32	400	315	200	198
	SV22LOMD	22	19	24	16.5	42	34.5	33	51	36	41	36	250	160	100	254
	SV28LOMD	28	24	26	18.5	43	35.5	35	52	41	46	41	250	160	100	335
	SV35LOMD	35	30	29	18.5	47	36.5	40	58	50	55	50	250	160		546
SV42LOMD	42	36	30	19.0	47	36.0	42	59	60	65	60	250	160		758	
S	SV06SOMD	06	4	19	12.0	36	29.0	27	44	19	19	17	800	630	400	65
	SV08SOMD	08	5	20	13.0	36	29.0	28	44	22	22	19	800	630	400	87
	SV10SOMD	10	7	22	14.5	37	29.5	31	46	24	24	22	800	630	400	112
	SV12SOMD	12	8	22	14.5	38	30.5	31	47	27	27	24	630	630	400	141
	SV14SOMD	14	10	25	17.0	40	32.0	35	50	30	30	27	630	630		180
	SV16SOMD	16	12	25	16.5	40	31.5	35	50	32	32	30	630	400	250	201
	SV20SOMD	20	16	28	17.5	44	33.5	39	55	41	41	36	420	400	250	462
	SV25SOMD	25	20	32	20.0	47	35.0	44	59	46	46	46	420	400	250	492
	SV30SOMD	30	25	35	21.5	51	37.5	48	64	50	50	50	420	400	250	631
SV38SOMD	38	32	38	22.0	53	37.0	53	68	65	65	60	420	315		1083	

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

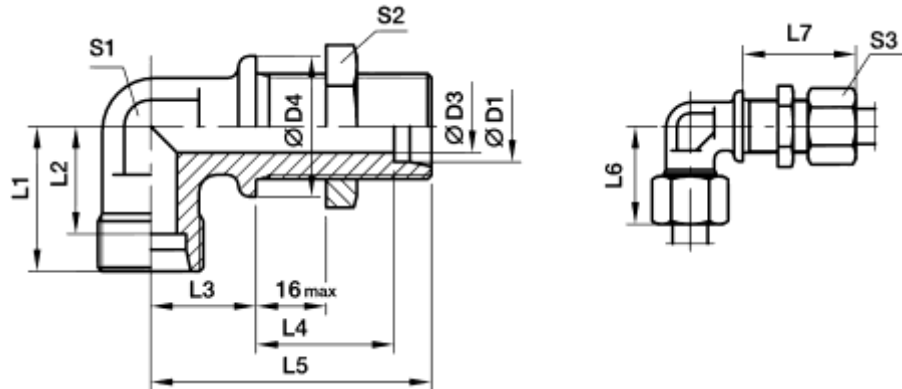
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例
碳钢，无六价铬镀锌		SV16SOMD
不锈钢	71	SV16SOMD71
黄铜	MS	SV16SOMDMS

material	Suffix for Surface and material	Example
Steel, zinc plated, Cr(VI)-free		SV16SOMD
Stainless steel	71	SV16SOMD71
Brass	MS	SV16SOMDMS



WSV 隔壁通连接弯头  
WSV Bulkhead elbow



安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions													公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	D2	D3	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3	71	MS	g	
L	WSV06LOMD	06	4	17	19	12.0	14	27.0	48	27	42	12	17	14	315	315	200	51
	WSV08LOMD	08	6	19	21	14.0	17	27.0	51	29	42	12	19	17	315	315	200	61
	WSV10LOMD	10	8	22	22	15.0	18	28.0	53	30	43	14	22	19	315	315	200	78
	WSV12LOMD	12	10	24	24	17.0	20	29.0	56	32	44	17	24	22	315	315	200	85
	WSV15LOMD	15	12	27	28	21.0	23	31.0	61	36	46	19	30	27	315	315	200	150
	WSV18LOMD	18	15	32	31	23.5	24	32.5	64	40	49	24	36	32	315	315	200	238
	WSV22LOMD	22	19	36	35	27.5	30	34.5	72	44	51	27	41	36	160	160		327
	WSV28LOMD	28	24	42	38	30.5	34	35.5	77	47	52	36	46	41	160	160		482
	WSV35LOMD	35	30	50	45	34.5	39	36.5	86	56	58	41	55	50	160	160		729
	WSV42LOMD	42	36	60	51	40.0	43	36.0	90	63	59	50	65	60	160	160		1091
S	WSV06SOMD	06	4	19	23	16.0	17	29.0	53	31	44	12	19	17	630	630		72
	WSV08SOMD	08	5	22	24	17.0	18	29.0	54	32	44	14	22	19	630	630		99
	WSV10SOMD	10	7	24	25	17.5	20	29.5	57	34	46	17	24	22	630	630		128
	WSV12SOMD	12	8	27	29	21.5	21	30.5	59	38	47	17	27	24	630	630		168
	WSV14SOMD	14	10	27	30	22.0	23	32.0	63	40	50	19	30	27	630	630		194
	WSV16SOMD	16	12	30	33	24.5	24	31.5	64	43	50	24	32	30	400	400		249
	WSV20SOMD	20	16	36	37	26.5	30	33.5	74	48	55	27	41	36	400	400		390
	WSV25SOMD	25	20	42	42	30.0	34	35.0	81	54	59	36	46	46	400	400		618
	WSV30SOMD	30	25	50	49	35.5	39	37.5	90	62	64	41	50	50	400	400		889
	WSV38SOMD	38	32	60	57	41.0	43	37.0	96	72	68	50	65	60	315	315		1337

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

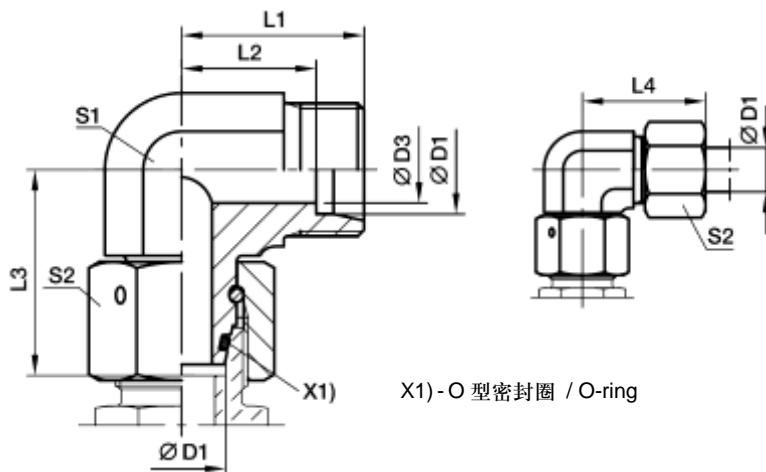
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例
碳钢，无六价铬镀锌		WSV16SOMD
不锈钢	71	WSV16SOMD71
黄铜	MS	WSV18LOMDMS

material	Suffix for Surface and material	Example
Steel, zinc plated, Cr(VI)-free		WSV16SOMD
Stainless steel	71	WSV16SOMD71
Brass	MS	WSV18LOMDMS

## EW 螺母固定转向连接弯头

EW Swivel nut elbow



## 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions								公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	D3	L1	L2	L3	L4	S1	S2	71	MS	g	
L	EW06LOMD	06	4	19	12.0	26.0	27	12	14	500	315		34
	EW08LOMD	08	6	21	14.0	27.5	29	12	17	500	315		43
	EW10LOMD	10	8	22	15.0	29.0	30	14	19	500	315		58
	EW12LOMD	12	10	24	17.0	29.5	32	17	22	400	315		81
	EW15LOMD	15	12	28	21.0	32.5	36	19	27	400	315		128
	EW18LOMD	18	15	31	23.5	35.5	40	24	32	400	315		197
	EW22LOMD	22	19	35	27.5	38.5	44	27	36	250	160		258
	EW28LOMD	28	24	38	30.5	41.5	47	36	41	250	160		370
	EW35LOMD	35	30	45	34.5	51.0	56	41	50	250	160		593
	EW42LOMD	42	36	51	40.0	56.0	63	50	60	250	160		993
S	EW06SOMD	06	4	23	16.0	27.0	31	12	17	800	630		48
	EW08SOMD	08	5	24	17.0	27.5	32	14	19	800	630		65
	EW10SOMD	10	6	25	17.5	30.0	34	17	22	800	630		92
	EW12SOMD	12	8	29	21.5	31.0	38	17	24	630	630		107
	EW14SOMD	14	9	30	22.0	35.0	40	19	27	630	630		146
	EW16SOMD	16	12	33	24.5	36.5	43	24	30	630	400		212
	EW20SOMD	20	16	37	26.5	44.5	48	27	36	420	400		309
	EW25SOMD	25	20	42	30.0	50.0	54	36	46	420	400		547
	EW30SOMD	30	25	49	35.5	55.0	62	41	50	420	400		744
	EW38SOMD	38	32	57	41.0	63.0	72	50	60	420	315		1222

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例
碳钢，无六价铬镀锌		EW16SOMD
不锈钢	71	EW16SOMD71

material	Suffix for Surface and material	Example
Steel, zinc plated, Cr(VI)-free		EW16SOMD
Stainless steel	71	EW16SOMD71

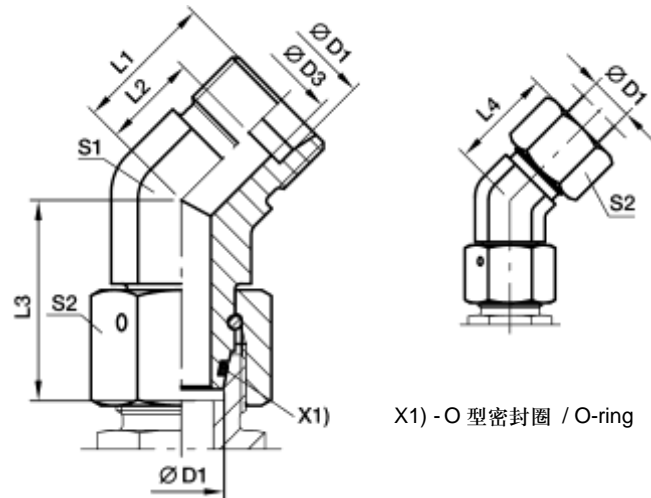
## 管接头系列 / Fitting Series

EV 螺母固定 45° 转向连接弯头 / EV Swivel Nut 45° Elbow



### EV 螺母固定转向连接 45° 弯头

EV Swivel nut 45° elbow



X1) - O 型密封圈 / O-ring

### 安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions								公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight
		D1	D3	L1	L2	L3	L4	S1	S2		71	MS	g
L	EV06LOMD	06	4	16.0	9.0	26.0	24	14	14	315	315		37
	EV08LOMD	08	6	19.0	12.0	27.5	27	14	17	315	315		49
	EV10LOMD	10	8	19.0	12.0	29.0	27	19	19	315	315		77
	EV12LOMD	12	10	21.0	14.0	29.5	29	19	22	315	315		86
	EV15LOMD	15	12	24.0	17.0	32.5	32	22	27	315	315		144
	EV18LOMD	18	15	24.0	16.5	35.5	33	27	32	315	315		210
	EV22LOMD	22	19	26.0	18.5	38.5	35	30	36	160	160		270
	EV28LOMD	28	24	30.5	23.0	41.5	40	36	41	160	160		385
	EV35LOMD	35	30	37.0	26.5	51.0	48	50	50	160	160		805
EV42LOMD	42	36	37.0	26.0	56.0	49	50	60	160	160		887	
S	EV06SOMD	06	4	16.0	9.0	27.0	24	14	17	630	630		50
	EV08SOMD	08	5	19.0	12.0	27.5	27	19	19	630	630		80
	EV10SOMD	10	7	21.0	13.5	30.0	30	19	22	630	630		95
	EV12SOMD	12	8	24.0	16.5	31.0	33	19	24	630	630		137
	EV16SOMD	16	12	24.0	15.5	36.5	34	19	30	400	400		217
	EV20SOMD	20	16	26.5	16.0	44.5	38	27	36	400	400		313
	EV25SOMD	25	20	30.5	18.5	50.0	43	36	46	400	400		529
	EV30SOMD	30	25	37.0	23.5	55.0	50	50	50	400	400		940
	EV38SOMD	38	32	37.0	21.0	63.0	52	50	60	315	315		1055

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

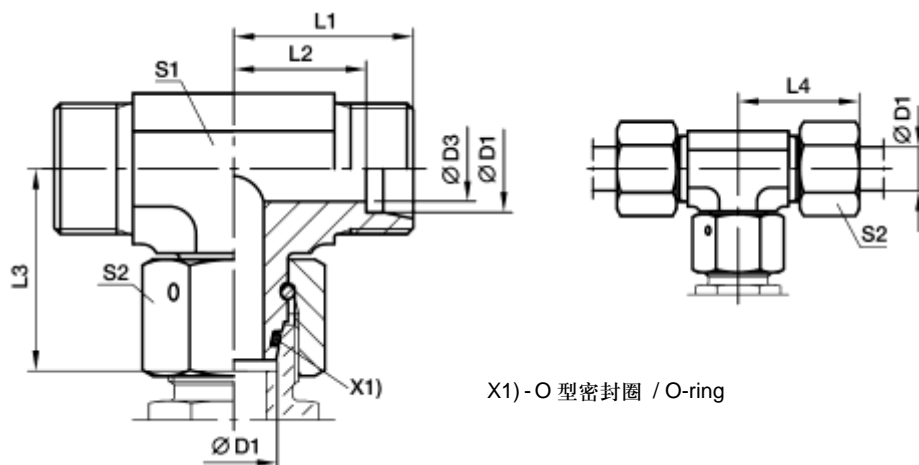
<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

材料	材料及表面处理后缀	示例
碳钢，无六价铬镀锌		EV16SOMD
不锈钢	71	EV16SOMD71

Please add the suffixes below according to the material and surface required:

material	Suffix for Surface and material	Example
Steel, zinc plated, Cr(VI)-free		EV16SOMD
Stainless steel	71	EV16SOMD71

ET 螺母固定 T 形转向连接接头  
 ET Swivel nut branch tee


## 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions								公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight
		D1	D3	L1	L2	L3	L4	S1	S2		71	MS	g
L	ET06LOMD	06	4	19	12.0	26.0	27	12	14	500	315		42
	ET08LOMD	08	6	21	14.0	27.5	29	12	17	500	315		53
	ET10LOMD	10	8	22	15.0	29.0	30	14	19	500	315		71
	ET12LOMD	12	10	24	17.0	29.5	32	17	22	400	315		97
	ET15LOMD	15	12	28	21.0	32.5	36	19	27	400	315		159
	ET18LOMD	18	15	31	23.5	35.5	40	24	32	400	315		239
	ET22LOMD	22	19	35	27.5	38.5	44	27	36	250	160		308
	ET28LOMD	28	24	38	30.5	41.5	47	36	41	250	160		449
	ET35LOMD	35	30	45	34.5	51.0	56	41	50	250	160		679
ET42LOMD	42	36	51	40.0	56.0	63	50	60	250	160		1131	
S	ET06SOMD	06	4	23	16.0	27.0	31	12	17	800	630		63
	ET08SOMD	08	5	24	17.0	27.5	32	14	19	800	630		79
	ET10SOMD	10	6	25	17.5	30.0	34	17	22	800	630		113
	ET12SOMD	12	8	29	21.5	31.0	38	17	24	630	630		136
	ET14SOMD	14	9	30	22.0	35.0	40	19	27	630	630		173
	ET16SOMD	16	12	33	24.5	36.5	43	24	30	630	400		239
	ET20SOMD	20	16	37	26.5	44.5	48	27	36	420	400		388
	ET25SOMD	25	20	42	30.0	50.0	54	36	46	420	400		652
	ET30SOMD	30	25	49	35.5	55.0	62	41	50	420	400		905
ET38SOMD	38	32	57	41.0	63.0	72	50	60	420	315		1462	

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例
碳钢，无六价铬镀锌		ET16SOMD
不锈钢	71	ET16SOMD71

material	Suffix for Surface and material	Example
Steel, zinc plated, Cr(VI)-free		ET16SOMD
Stainless steel	71	ET16SOMD71

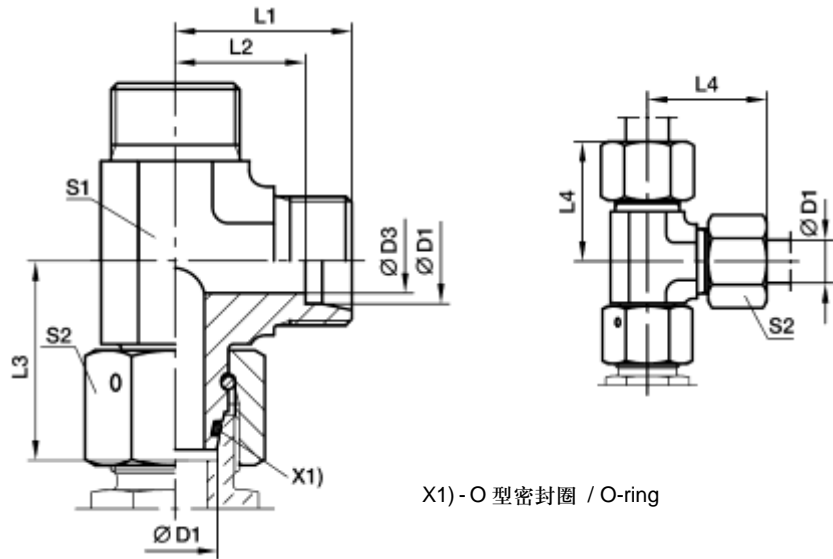
## 管接头系列 / Fitting Series

EL 螺母固定 L 形转向连接接头 / EL Swivel Nut Run Tee



### EL 螺母固定 L 形转向连接接头

EL Swivel nut run tee



X1) - O 型密封圈 / O-ring

### 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions								公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	D3	L1	L2	L3	L4	S1	S2	71	MS		g
L	EL06LOMD	06	4	19	12.0	26.0	27	12	14	500	315		44
	EL08LOMD	08	6	21	14.0	27.5	29	12	17	500	315		53
	EL10LOMD	10	8	22	15.0	29.0	30	14	19	500	315		68
	EL12LOMD	12	10	24	17.0	29.5	32	17	22	400	315		95
	EL15LOMD	15	12	28	21.0	32.5	36	19	27	400	315		151
	EL18LOMD	18	15	31	23.5	35.5	40	24	32	400	315		233
	EL22LOMD	22	19	35	27.5	38.5	44	27	36	250	160		309
	EL28LOMD	28	24	38	30.5	41.5	47	36	41	250	160		436
	EL35LOMD	35	30	45	34.5	51.0	56	41	50	250	160		666
EL42LOMD	42	36	51	40.0	56.0	63	50	60	250	160		1163	
S	EL06SOMD	06	4	23	16.0	27.0	31	12	17	800	630		65
	EL08SOMD	08	5	24	17.0	27.5	32	14	19	800	630		84
	EL10SOMD	10	6	25	17.5	30.0	34	17	22	800	630		118
	EL12SOMD	12	8	29	21.5	31.0	38	17	24	630	630		136
	EL14SOMD	14	9	30	22.0	35.0	40	19	27	630	630		173
	EL16SOMD	16	12	33	24.5	36.5	43	24	30	630	400		260
	EL20SOMD	20	16	37	26.5	44.5	48	27	36	420	400		375
	EL25SOMD	25	20	42	30.0	50.0	54	36	46	420	400		655
	EL30SOMD	30	25	49	35.5	55.0	62	41	50	420	400		906
EL38SOMD	38	32	57	41.0	63.0	72	50	60	420	315		1472	

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

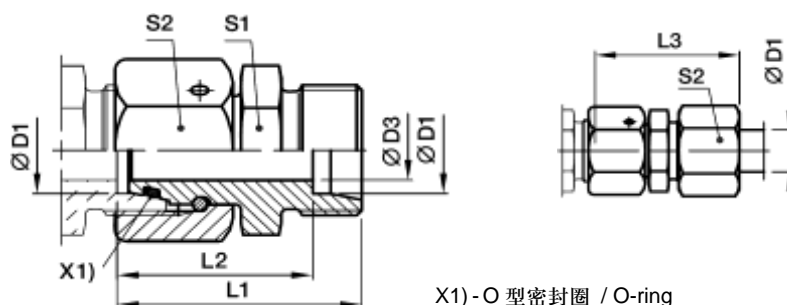
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		EL16SOMD
不锈钢	71	EL16SOMD71

material	Suffix for Surface and material	Example
Steel, zinc plated, Cr(VI)-free		EL16SOMD
Stainless steel	71	EL16SOMD71

## DA 接长连接接头

DA Distance piece adapter



X1) - O 型密封圈 / O-ring

## 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions							公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight
		D1	D3	L1	L2	L3	S1	S2	71	MS	g	
L	DA06LOMD	06	2.5	43.0	36	51	12	14	500	315	200	33
	DA08LOMD	08	4.0	43.0	36	51	14	17	500	315	200	46
	DA10LOMD	10	6.0	43.0	36	51	17	19	500	315	200	60
	DA12LOMD	12	8.0	43.0	36	51	19	22	400	315	200	75
	DA15LOMD	15	10.0	43.0	36	51	24	27	400	315	200	118
	DA18LOMD	18	13.0	43.5	36	52	27	32	400	315	200	153
	DA22LOMD	22	17.0	47.5	40	56	32	36	250	160	100	210
	DA28LOMD	28	22.0	47.5	40	57	41	41	250	160	100	279
	DA35LOMD	35	28.0	60.5	50	72	46	50	250	160	100	468
DA42LOMD	42	34.0	71.0	60	83	55	60	250	160	100	802	
S	DA06SOMD	06	2.5	43.0	36	51	14	17	800	630	400	48
	DA08SOMD	28	4.0	43.0	36	51	17	19	800	630	400	64
	DA10SOMD	10	6.0	43.5	36	52	19	22	800	630	400	81
	DA12SOMD	12	8.0	43.5	36	52	22	24	630	630	400	97
	DA14SOMD	14	9.0	48.0	40	58	24	27	630	630	400	133
	DA16SOMD	16	11.0	48.5	40	58	27	30	630	400	250	166
	DA20SOMD	20	14.0	56.5	46	68	32	36	420	400	250	265
	DA25SOMD	25	18.0	62.0	50	74	41	46	420	400	250	466
	DA30SOMD	30	23.0	69.5	56	83	46	50	420	400	250	601
DA38SOMD	38	30.0	76.0	60	91	55	60	420	315	200	871	

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

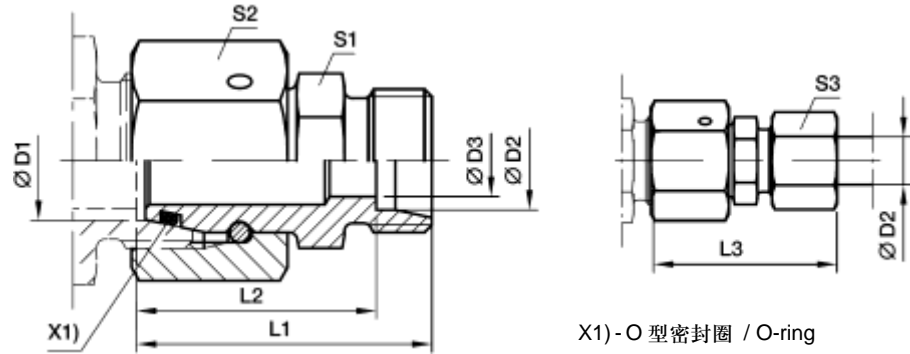
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		DA16SOMD	NBR
不锈钢	71	DA16SOMD71	VIT
黄铜	MS	DA16SOMDMS	NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		DA16SOMD	NBR
Stainless steel	71	DA16SOMD71	VIT
Brass	MS	DA16SOMDMS	NBR

RED 变径转接接头

RED Tube end reducer



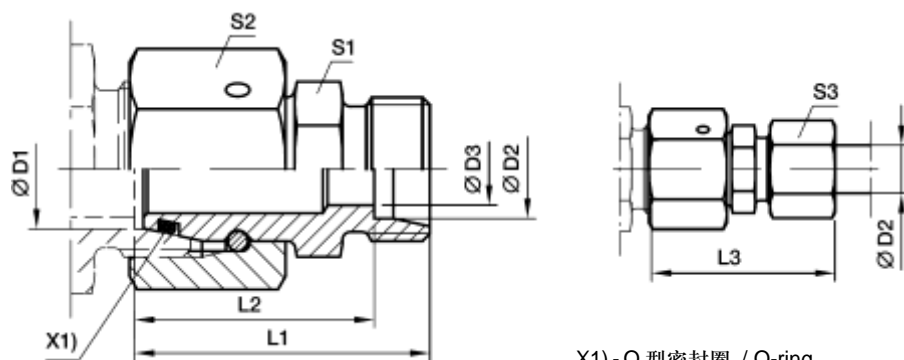
X1)-O 型密封圈 / O-ring

安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions									公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	D2	D3	L1	L2	L3	S1	S2	S3	71	MS	g
L/LL	RED06L/04LLOMD	06	04	2.5	28.5	24.5	34.0	9	14	10	100	100	17
L	RED08/06LOMD	08	06	4.0	30.5	23.5	38.0	12	17	14	500	315	29
L	RED10/06LOMD	10	06	4.0	32.0	25.0	40.0	14	19	14	500	315	36
L	RED10/08LOMD	10	08	6.0	32.0	25.0	40.0	14	19	17	500	315	38
L	RED12/06LOMD	12	06	4.0	32.0	25.0	40.0	17	22	14	400	315	49
L	RED12/08LOMD	12	08	6.0	32.0	25.0	40.0	17	22	17	400	315	49
L	RED12/10LOMD	12	10	8.0	33.0	26.0	41.0	17	22	19	400	315	51
L	RED15/06LOMD	15	06	4.0	35.5	28.5	43.0	19	27	14	400	315	81
L	RED15/08LOMD	15	08	6.0	35.5	28.5	43.0	19	27	17	400	315	85
L	RED15/10LOMD	15	10	8.0	36.5	29.5	44.0	19	27	19	400	315	83
L	RED15/12LOMD	15	12	10.0	36.5	29.5	44.0	19	27	22	400	315	83
L	RED18/06LOMD	18	06	4.0	35.0	28.0	43.0	24	32	14	400	315	109
L	RED18/08LOMD	18	08	6.0	35.0	28.0	43.0	24	32	17	400	315	111
L	RED18/10LOMD	18	10	8.0	36.0	29.0	44.0	24	32	19	400	315	110
L	RED18/12LOMD	18	12	10.0	36.0	29.0	44.0	24	32	22	400	315	110
L	RED18/15LOMD	18	15	12.0	37.0	30.0	45.0	24	32	27	400	315	115
L/S	RED18L/16SOMD	18	16	12.0	40.0	31.5	49.5	27	32	30	400	315	138
L	RED22/06LOMD	22	06	4.0	39.0	32.0	47.0	27	36	14	250	160	158
L	RED22/08LOMD	22	08	6.0	39.0	32.0	47.0	27	36	17	250	160	158
L	RED22/10LOMD	22	10	8.0	40.0	33.0	48.0	27	36	19	250	160	159
L	RED22/12LOMD	22	12	10.0	40.0	33.0	48.0	27	36	22	250	160	157
L	RED22/15LOMD	22	15	12.0	41.0	34.0	49.0	27	36	27	250	160	164
L/S	RED22L/16SOMD	22	16	12.0	43.0	34.5	52.5	27	36	30	250	160	173
L	RED22/18LOMD	22	18	15.0	41.0	33.5	50.0	27	36	32	250	160	167
L/S	RED22L/20SOMD	22	20	16.0	45.0	34.5	56.0	32	36	36	250	160	203
L	RED28/06LOMD	28	06	4.0	41.0	34.0	49.0	32	41	14	250	160	219
L	RED28/08LOMD	28	08	6.0	41.0	34.0	49.0	32	41	17	250	160	221
L	RED28/10LOMD	28	10	8.0	42.0	35.0	50.0	32	41	19	250	160	213
L	RED28/12LOMD	28	12	10.0	42.0	35.0	50.0	32	41	22	250	160	213
L	RED28/15LOMD	28	15	12.0	43.0	36.0	51.0	32	41	27	250	160	218
L/S	RED28/16SOMD	28	16	12.0	45.0	36.5	54.5	32	41	30	250	160	227
L	RED28/18LOMD	28	18	15.0	43.0	35.5	52.0	32	41	32	250	160	220
L	RED28/22LOMD	28	22	19.0	45.0	37.5	54.0	32	41	36	250	160	222
L/S	RED28L/25SOMD	28	25	20.0	50.0	38.0	62.0	41	41	46	250	160	300



RED 变径转接头  
 RED Tube end reducer


X1) - O 型密封圈 / O-ring

## 安装尺寸 (续) / Dimensions (continued)

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions									公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	D2	D3	L1	L2	L3	S1	S2	S3	71	MS	g
L	RED35/06LOMD	35	06	4.0	44.0	37.0	52.0	41	50	14	250	160	318
L	RED35/08LOMD	35	08	6.0	44.0	37.0	52.0	41	50	17	250	160	318
L	RED35/10LOMD	35	10	8.0	45.0	38.0	53.0	41	50	19	250	160	318
L	RED35/12LOMD	35	12	10.0	45.0	38.0	53.0	41	50	22	250	160	324
L	RED35/15LOMD	35	15	12.0	46.0	39.0	54.0	41	50	27	250	160	328
L	RED35/18LOMD	35	18	15.0	46.0	38.5	55.0	41	50	32	250	160	328
L	RED35/22LOMD	35	22	19.0	48.0	40.5	57.0	41	50	36	250	160	331
L/S	RED35L/25SOMD	35	25	20.0	52.0	40.0	64.0	41	50	46	250	160	366
L	RED35/28LOMD	35	28	24.0	48.0	40.5	57.0	41	50	41	250	160	327
L/S	RED35L/30SOMD	35	30	25.0	55.0	41.5	68.0	46	50	50	250	160	435
L	RED42/10LOMD	42	10	8.0	48.5	41.5	56.0	50	60	19	250	160	537
L	RED42/12LOMD	42	12	10.0	48.5	41.5	56.0	50	60	22	250	160	538
L	RED42/15LOMD	42	15	12.0	49.5	42.5	58.0	50	60	27	250	160	534
L	RED42/18LOMD	42	18	15.0	49.5	42.0	58.0	50	60	32	250	160	544
L	RED42/22LOMD	42	22	19.0	51.5	44.0	60.0	50	60	36	250	160	543
L	RED42/28LOMD	42	28	24.0	51.5	44.0	61.0	50	60	41	250	160	539
L/S	RED42L/30SOMD	42	30	25.0	57.5	44.0	70.5	50	60	50	250	160	588
L	RED42/35LOMD	42	35	30.0	53.5	43.0	65.0	50	60	50	250	160	541
L/S	RED42L/38SOMD	42	38	32.0	61.5	45.5	76.0	55	60	60	250	160	701

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

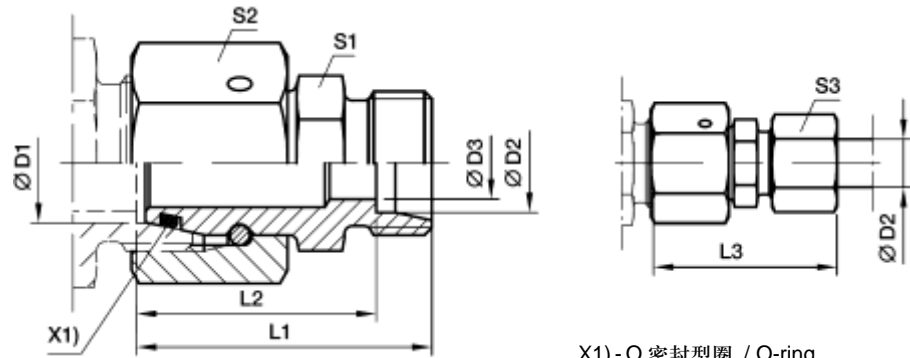
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		RED18/15LOMD	NBR
不锈钢	71	RED18/15LOMD71	VIT
黄铜	MS		NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		RED18/15LOMD	NBR
Stainless steel	71	RED18/15LOMD71	VIT
Brass	MS		NBR

RED 变径转接接头

RED Tube end reducer

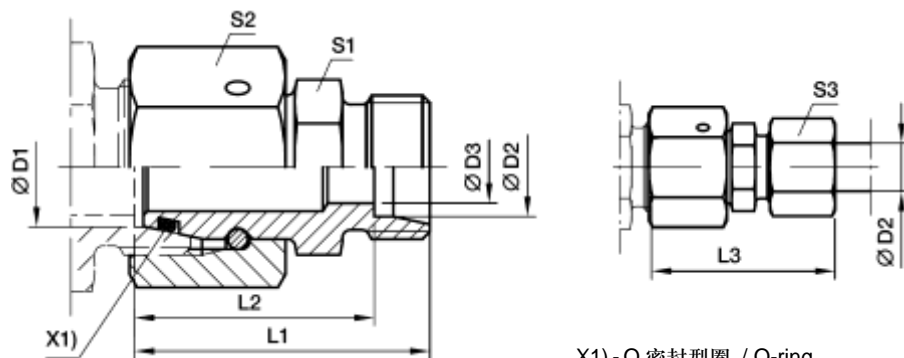


X1) -O 密封型圈 / O-ring

安装尺寸 (续) / Dimensions (continued)

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions									公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	D2	D3	L1	L2	L3	S1	S2	S3	71	MS	g	
S	RED08/06SOMD	08	06	4	34.0	27.0	42	14	19	17	800	630		42
S	RED10/06SOMD	10	06	4	34.5	27.5	42	17	22	17	800	630		55
S	RED10/08SOMD	10	08	5	34.5	27.5	42	17	22	19	800	630		58
S	RED12/06SOMD	12	06	4	36.0	29.0	44	17	24	17	630	630		66
S	RED12/08SOMD	12	08	5	36.0	29.0	44	17	24	19	630	630		68
S	RED12/10SOMD	12	10	7	37.0	29.5	46	19	24	22	630	630		75
S	RED14/06SOMD	14	06	4	38.5	31.5	46	19	27	17	630	630		88
S	RED14/08SOMD	14	08	5	38.5	31.5	46	19	27	19	630	630		90
S	RED14/10SOMD	14	10	7	38.5	31.0	47	19	27	22	630	630		91
S	RED14/12SOMD	14	12	8	38.5	31.0	47	22	27	24	630	630		100
S	RED16/06SOMD	16	06	4	39.0	32.0	47	22	30	17	630	400		112
S	RED16/08SOMD	16	08	5	39.0	32.0	47	22	30	19	630	400		114
S	RED16/10SOMD	16	10	7	39.0	31.5	48	22	30	22	630	400		115
S	RED16/12SOMD	16	12	8	39.0	31.5	48	22	30	24	630	400		118
S	RED16/14SOMD	16	14	10	41.0	33.0	51	24	30	27	630	400		128
S/L	RED16S/15LOMD	16	15	11	39.0	32.0	47	24	30	27	400	315		120
S	RED20/06SOMD	20	06	4	43.0	36.0	51	27	36	17	420	400		172
S	RED20/08SOMD	20	08	5	43.0	36.0	51	27	36	19	420	400		174
S	RED20/10SOMD	20	10	7	43.0	35.5	52	27	36	22	420	400		174
S	RED20/12SOMD	20	12	8	43.0	35.5	52	27	36	24	420	400		177
S	RED20/14SOMD	20	14	10	45.0	37.0	55	27	36	27	420	400		182
S/L	RED20S/15LOMD	20	15	12	43.0	36.0	51	27	36	27	400	315		173
S	RED20/16SOMD	20	16	12	45.0	36.5	55	27	36	30	420	400		182
S/L	RED20S/18LOMD	20	18	14	43.0	35.5	51	27	36	32	400	315		178
S	RED25/06SOMD	25	06	4	45.5	38.5	53	32	46	17	420	400		294
S	RED25/08SOMD	25	08	5	45.5	38.5	53	32	46	19	420	400		295
S	RED25/10SOMD	25	10	7	45.5	38.0	54	32	46	22	420	400		296
S	RED25/12SOMD	25	12	8	45.5	38.0	54	32	46	24	420	400		299
S	RED25/14SOMD	25	14	10	47.5	39.5	57	32	46	27	420	400		303
S	RED25/16SOMD	25	16	12	47.5	39.0	57	32	46	30	420	400		304
S/L	RED25S/18LOMD	25	18	15	45.5	38.0	54	32	46	32	400	315		299
S	RED25/20SOMD	25	20	16	49.5	39.0	61	32	46	36	420	400		315
S/L	RED25S/22LOMD	25	22	18	47.5	40.0	56	32	46	36	250	160		304

**RED 变径转接头**  
 RED Tube end reducer


X1) - O 密封型圈 / O-ring

**安装尺寸 (续) / Dimensions (continued)**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions									公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	D2	D3	L1	L2	L3	S1	S2	S3	71	MS	g
S	RED30/06SOMD	30	06	4	51.0	44.0	59	41	50	17	420	400	412
S	RED30/08SOMD	30	08	5	51.0	44.0	59	41	50	19	420	400	404
S	RED30/10SOMD	30	10	7	51.0	43.5	60	41	50	22	420	400	405
S	RED30/12SOMD	30	12	8	51.0	43.5	60	41	50	24	420	400	405
S	RED30/14SOMD	30	14	10	53.0	45.0	63	41	50	27	420	400	408
S	RED30/16SOMD	30	16	12	53.0	44.5	63	41	50	30	420	400	412
S	RED30/20SOMD	30	20	16	55.0	44.5	66	41	50	36	420	400	421
S/L	RED30S/22LOMD	30	22	19	53.0	45.5	61	41	50	36	250	160	406
S	RED30/25SOMD	30	25	20	57.0	45.0	69	41	50	46	420	400	439
S/L	RED30S/28LOMD	30	28	23	53.0	45.5	62	41	50	41	250	160	406
S	RED38/06SOMD	38	06	4	54.5	47.5	62	50	60	17	420	315	556
S	RED38/08SOMD	38	08	5	54.5	47.5	62	50	60	19	420	315	581
S	RED38/10SOMD	38	10	7	54.5	47.0	63	50	60	22	420	315	579
S	RED38/12SOMD	38	12	8	54.5	47.0	63	50	60	24	420	315	577
S	RED38/14SOMD	38	14	10	56.5	48.5	66	50	60	27	420	315	579
S	RED38/16SOMD	38	16	12	56.5	48.0	66	50	60	30	420	315	580
S	RED38/20SOMD	38	20	16	58.5	48.0	70	50	60	36	420	315	601
S	RED38/25SOMD	38	25	20	60.5	48.5	73	50	60	46	420	315	615
S/L	RED38S/28LOMD	38	28	24	56.5	49.0	65	50	60	41	250	160	573
S	RED38/30SOMD	38	30	25	62.5	49.0	76	50	60	50	420	315	625
S/L	RED38S/35LOMD	38	35	30	58.5	48.0	69	50	60	50	250	160	588

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

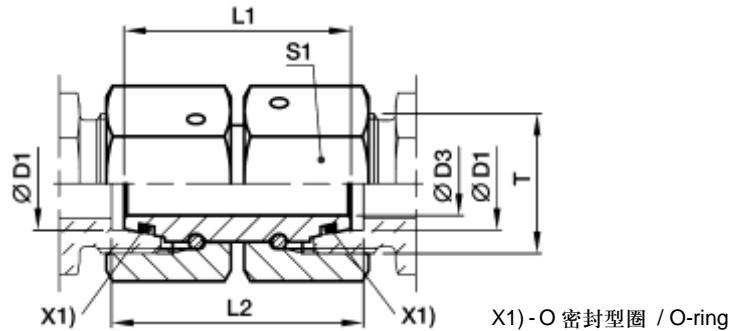
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		RED16/12SOMD	NBR
不锈钢	71	RED16/12SOMD71	VIT
黄铜	MS		NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		RED16/12SOMD	NBR
Stainless steel	71	RED16/12SOMD71	VIT
Brass	MS		NBR

GZ 直通旋转连接接头

GZ Swivel union



安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions						公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight
		D1	T	D3	L1	L2	S1	71	MS	g	
L	GZ06L	06	M 12x1.5	2.5	32	33	14	500	315		28
	GZ08L	08	M 14x1.5	4.0	32	33	17	500	315		41
	GZ10L	10	M 16x1.5	6.0	33	34	19	500	315		53
	GZ12L	12	M 18x1.5	8.0	33	34	22	400	315		71
	GZ15L	15	M 22x1.5	10.0	38	39	27	400	315		129
	GZ18L	18	M 26x1.5	13.0	36	38	32	400	315		165
	GZ22L	22	M 30x2	17.0	42	44	36	250	160		243
	GZ28L	28	M 36x2	22.0	46	48	41	250	160		319
	GZ35L	35	M 42x2	28.0	48	52	50	250	160		449
GZ42L	42	M 52x2	24.0	52	57	60	250	160		737	
S	GZ06S	06	M 14x1.5	2.5	32	33	17	800	630		41
	GZ08S	08	M 16x1.5	4.0	33	34	19	800	630		54
	GZ10S	10	M 18x1.5	6.0	33	35	22	800	630		74
	GZ12S	12	M 20x1.5	8.0	36	38	24	630	630		95
	GZ14S	14	M 22x1.5	9.0	39	41	27	630	630		131
	GZ16S	16	M 24x1.5	11.0	39	42	30	630	400		172
	GZ20S	20	M 30x2	14.0	44	48	36	420	400		261
	GZ25S	25	M 36x2	18.0	46	53	46	420	400		477
	GZ30S	30	M 42x2	23.0	52	62	50	420	400		605
GZ38S	38	M 52x2	30.0	52	67	60	420	315		826	

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

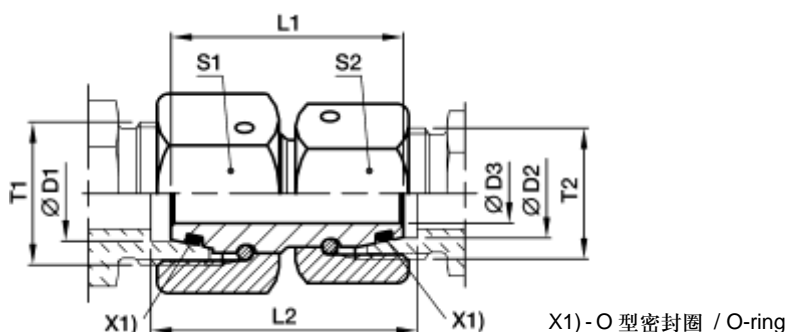
对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		GZ16S	NBR
不锈钢	71	GZ16S71	VIT
黄铜	MS		NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		GZ16S	NBR
Stainless steel	71	GZ16S71	VIT
Brass	MS		NBR

GZR 直通旋转变径连接接头  
GZR Swivel reducer



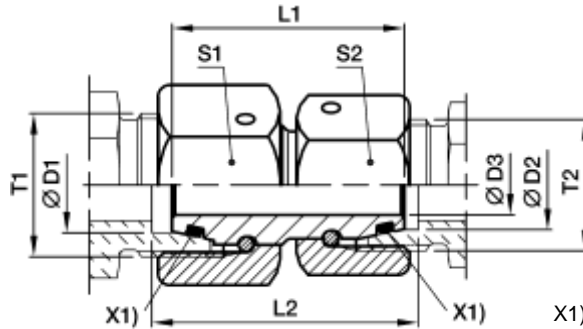
安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions									公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	D2	T1	T2	D3	L1	L2	S1	S2	71	MS	g	
L/S	GZR06L/06S	06	06	M 14x1.5	M 12x1.5	2.5	32	33.0	17	14	500	315		34
L	GZR08/06L	08	06	M 14x1.5	M 12x1.5	2.5	32	33.0	17	14	500	315		36
L/S	GZR08L/08S	08	08	M 16x1.5	M 14x1.5	4.0	33	34.0	19	17	500	315		48
L	GZR10/06L	10	06	M 16x1.5	M 12x1.5	2.5	33	34.0	19	14	500	315		44
L	GZR10/08L	10	08	M 16x1.5	M 14x1.5	4.0	33	34.0	19	17	500	315		50
L/S	GZR10L/10S	10	10	M 18x1.5	M 16x1.5	6.0	33	34.5	22	19	500	315		63
L	GZR12/06L	12	06	M 18x1.5	M 12x1.5	2.5	33	34.0	22	14	400	315		56
L	GZR12/08L	12	08	M 18x1.5	M 14x1.5	4.0	33	34.0	22	17	400	315		62
L	GZR12/10L	12	10	M 18x1.5	M 16x1.5	6.0	33	34.0	22	19	400	315		65
L/S	GZR12L/12S	12	12	M 20x1.5	M 18x1.5	8.0	36	37.5	24	22	400	315		85
L	GZR15/08L	15	08	M 22x1.5	M 14x1.5	4.0	38	39.0	27	17	400	315		98
L	GZR15/10L	15	10	M 22x1.5	M 16x1.5	6.0	38	39.0	27	19	400	315		101
L	GZR15/12L	15	12	M 22x1.5	M 18x1.5	8.0	38	39.0	27	22	400	315		108
L	GZR18/10L	18	10	M 26x1.5	M 16x1.5	6.0	36	37.5	32	19	400	315		125
L	GZR18/12L	18	12	M 26x1.5	M 18x1.5	8.0	36	37.5	32	22	400	315		132
L	GZR18/15L	18	15	M 26x1.5	M 22x1.5	10.0	38	39.5	32	27	400	315		155
L/S	GZR18L/16S	18	16	M 26x1.5	M 24x1.5	11.0	39	41.5	32	30	400	315		177
L	GZR22/12L	22	12	M 30x2	M 18x1.5	8.0	42	43.5	36	22	250	160		195
L	GZR22/15L	22	15	M 30x2	M 22x1.5	10.0	42	43.5	36	27	250	160		215
L	GZR22/18L	22	18	M 30x2	M 26x1.5	13.0	42	44.0	36	32	250	160		228
L/S	GZR22L/20S	22	20	M 30x2	M 30x2	14.0	44	47.0	36	36	250	160		266
L	GZR28/15L	28	15	M 36x2	M 22x1.5	10.0	46	47.5	41	27	250	160		143
L	GZR28/18L	28	18	M 36x2	M 26x1.5	13.0	46	48.0	41	32	250	160		311
L	GZR28/22L	28	22	M 36x2	M 30x2	17.0	46	46.0	41	36	250	160		309
L/S	GZR28L/25S	28	25	M 36x2	M 36x2	18.0	46	50.5	41	46	250	160		419
L	GZR35/18L	35	18	M 45x2	M 26x1.5	13.0	48	51.0	50	32	250	160		430
L	GZR35/22L	35	22	M 45x2	M 30x2	17.0	48	51.0	50	36	250	160		429
L	GZR35/28L	35	28	M 45x2	M 36x2	22.0	48	51.0	50	41	250	160		415
L/S	GZR35L/30S	35	30	M 45x2	M 42x2	23.0	52	59.0	50	50	250	160		577
L	GZR42/22L	42	22	M 52x2	M 30x2	17.0	52	55.5	60	36	250	160		653
L	GZR42/28L	42	28	M 52x2	M 36x2	22.0	52	55.5	60	41	250	160		648
L	GZR42/35L	42	35	M 52x2	M 45x2	28.0	52	56.5	60	50	250	160		662
L/S	GZR42L/38S	42	38	M 52x2	M 52x2	30.0	52	62.0	60	60	250	160		822

GZR 直通旋转变径连接接头

GZR Swivel reducer



X1) -O 型密封圈 / O-ring

安装尺寸 (续) / Dimensions (continued)

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions									公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	D2	T1	T2	D3	L1	L2	S1	S2	71	MS	g
S	GZR08/06S	08	06	M 16x1.5	M 14x1.5	2.5	33	34.0	19	17	800	630	49
S	GZR10/06S	10	06	M 18x1.5	M 14x1.5	2.5	33	34.5	22	17	800	630	60
S	GZR10/08S	10	08	M 18x1.5	M 16x1.5	4.0	33	34.5	22	19	800	630	66
S	GZR12/06S	12	06	M 20x1.5	M 14x1.5	2.5	36	37.5	24	17	630	630	77
S	GZR12/08S	12	08	M 20x1.5	M 16x1.5	4.0	36	37.5	24	19	630	630	82
S	GZR12/10S	12	10	M 20x1.5	M 18x1.5	6.0	36	38.0	24	22	630	630	89
S	GZR16/10S	16	10	M 24x1.5	M 18x1.5	6.0	39	41.5	30	22	630	400	138
S	GZR16/12S	16	12	M 24x1.5	M 20x1.5	8.0	39	41.5	30	24	630	400	143
S/L	GZR16S/15L	16	15	M 24x1.5	M 22x1.5	10.0	39	41.0	30	27	400	315	153
S	GZR20/12S	20	12	M 30x2	M 20x1.5	8.0	44	47.0	36	24	420	400	204
S	GZR20/16S	20	16	M 30x2	M 24x1.5	11.0	44	47.5	36	30	420	400	232
S/L	GZR20S/18L	20	18	M 30x2	M 26x1.5	13.0	44	47.0	36	32	400	315	224
S	GZR25/16S	25	16	M 36x2	M 24x1.5	11.0	46	51.0	46	30	420	400	224
S	GZR25/20S	25	20	M 36x2	M 30x2	14.0	46	51.5	46	36	420	400	364
S/L	GZR25S/22L	25	22	M 36x2	M 30x2	17.0	46	50.5	46	36	250	160	475
S	GZR30/16S	30	16	M 42x2	M 24x1.5	11.0	52	58.5	50	30	420	400	475
S	GZR30/20S	30	20	M 42x2	M 30x2	14.0	52	59.0	50	36	420	400	500
S	GZR30/25S	30	25	M 42x2	M 36x2	18.0	52	60.5	50	46	420	400	589
S/L	GZR30S/28L	30	28	M 42x2	M 36x2	22.0	52	58.0	50	41	250	160	476
S	GZR38/20S	38	20	M 52x2	M 30x2	14.0	52	61.5	60	36	420	315	671
S	GZR38/25S	38	25	M 52x2	M 36x2	18.0	52	63.0	60	46	420	315	759
S	GZR38/30S	38	30	M 52x2	M 42x2	23.0	52	64.5	60	50	420	315	767
S/L	GZR38S/35L	38	35	M 52x2	M 45x2	28.0	52	61.5	60	50	250	160	662

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

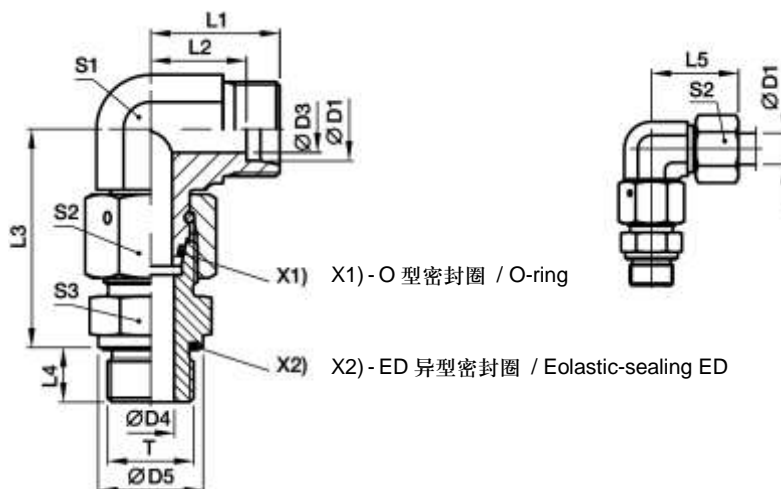
对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		GZR16/12S	NBR
不锈钢	71	GZR16/12S71	VIT
黄铜	MS		NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		GZR16/12S	NBR
Stainless steel	71	GZR16/12S71	VIT
Brass	MS		NBR



**EW-M-ED 弯通转向接头组件 - 拧入端 M 螺纹, ED 异型密封圈 (符合 ISO 9974)**  
 EW-M-ED Assembled adjustable swivel elbow - Male metric thread, ED-seal (ISO 9974)

**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions													公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight
		D1	T	D3	D4	D5	L1	L2	L3	L4	L5	S1	S2	S3	71	MS	g	
L	EW06LMEDOMD	06	M 10x1	4	4	14	19	12.0	34.5	8	27	12	14	14	500	315		47
	EW08LMEDOMD	08	M 12x1.5	6	6	17	21	14.0	37.5	12	29	12	17	17	500	315		69
	EW10LMEDOMD	10	M 14x1.5	8	7	19	22	15.0	40.0	12	30	14	19	19	500	315		87
	EW12LMEDOMD	12	M 16x1.5	10	9	22	24	17.0	42.0	12	32	17	22	22	400	315		111
	EW15LMEDOMD	15	M 18x1.5	12	11	24	28	21.0	46.0	12	36	19	27	24	400	315		179
	EW18LMEDOMD	18	M 22x1.5	15	14	27	31	23.5	50.0	14	40	24	32	27	400	315		272
	EW22LMEDOMD	22	M 26x1.5	19	18	32	35	27.5	55.0	16	44	27	36	32	250	160		360
	EW28LMEDOMD	28	M 33x2	24	23	40	38	30.5	59.0	18	47	36	41	41	250	160		538
	EW35LMEDOMD	35	M 42x2	30	30	50	45	34.5	68.5	20	56	41	50	50	250	160		843
	EW42LMEDOMD	42	M 48x2	36	36	55	51	40.0	75.0	22	63	50	60	55	250	160		1353
S	EW06SMEDOMD	06	M 12x1.5	4	4	17	23	16.0	40.0	12	31	12	17	17	800	630		77
	EW08SMEDOMD	08	M 14x1.5	5	5	19	24	17.0	42.5	12	32	14	19	19	800	630		107
	EW10SMEDOMD	10	M 16x1.5	6	7	22	25	17.5	45.0	12	34	17	22	22	800	630		146
	EW12SMEDOMD	12	M 18x1.5	8	8	24	29	21.5	48.0	12	38	17	24	24	630	630		178
	EW14SMEDOMD	14	M 20x1.5	9	10	26	30	22.0	54.0	14	40	19	27	27	630	630		203
	EW16SMEDOMD	16	M 22x1.5	12	12	27	33	24.5	55.0	14	43	24	30	27	630	400		307
	EW20SMEDOMD	20	M 27x2	16	16	32	37	26.5	65.0	16	48	27	36	32	420	400		459
	EW25SMEDOMD	25	M 33x2	20	20	40	42	30.0	73.0	18	54	36	46	41	420	400		812
	EW30SMEDOMD	30	M 42x2	25	25	50	49	35.5	78.5	20	62	41	50	50	420	400		1167
	EW38SMEDOMD	38	M 48x2	32	32	55	57	41.0	89.0	22	72	50	60	55	420	315		1790

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

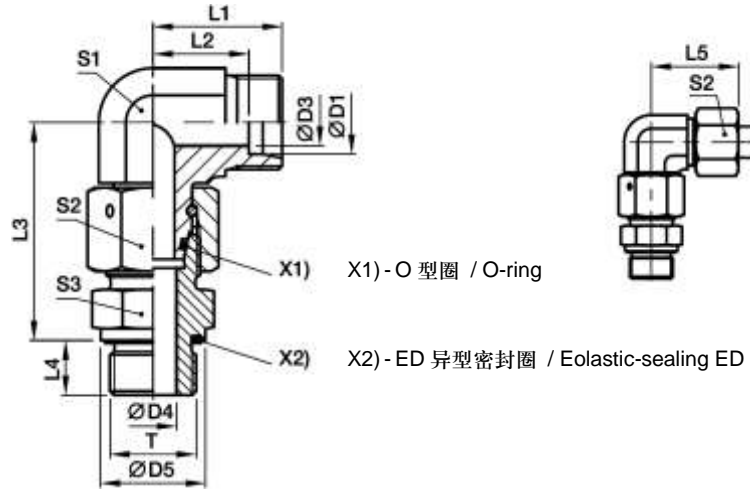
材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		EW16SMEDOMD	NBR
不锈钢	71	EW16SMEDOMD71	VIT
黄铜	MS		NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		EW16SMEDOMD	NBR
Stainless steel	71	EW16SMEDOMD71	VIT
Brass	MS		NBR



EW-R-ED 弯通转向接头组件 - 拧入端 BSPP 螺纹, ED 异型密封圈 (符合 ISO 1179)

EW-R-ED Assembled adjustable swivel elbow - Male BSPP thread, ED-seal (ISO 1179)



安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions													公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T	D3	D4	D5	L1	L2	L3	L4	L5	S1	S2	S3	71	MS	g	
L	EW06LREDDMD	06	G 1/8 A	4	4	14	19	12.0	34.5	8	27	12	14	14	500	315		47
	EW08LREDDMD	08	G 1/4 A	6	6	19	21	14.0	37.5	12	29	12	17	19	500	315		69
	EW10LREDDMD	10	G 1/4 A	8	6	19	22	15.0	40.0	12	30	14	19	19	500	315		87
	EW12LREDDMD	12	G 3/8 A	10	9	22	24	17.0	42.0	12	32	17	22	22	400	315		122
	EW15LREDDMD	15	G 1/2 A	12	11	27	28	21.0	46.5	14	36	19	27	27	400	315		199
	EW18LREDDMD	18	G 1/2 A	15	14	27	31	23.5	50.0	14	40	24	32	27	400	315		268
	EW22LREDDMD	22	G 3/4 A	19	18	32	35	27.5	55.0	16	44	27	36	32	250	160		360
	EW28LREDDMD	28	G 1 A	24	23	40	38	30.5	59.0	18	47	36	41	41	250	160		539
	EW35LREDDMD	35	G 1 1/4 A	30	30	50	45	34.5	68.5	20	56	41	50	50	250	160		834
EW42LREDDMD	42	G 1 1/2 A	36	36	55	51	40.0	75.0	22	63	50	60	55	250	160		1341	
S	EW06SREDDMD	06	G 1/4 A	4	4	19	23	16.0	40.0	12	31	12	17	19	800	630		83
	EW08SREDDMD	08	G 1/4 A	5	5	19	24	17.0	42.5	12	32	14	19	19	800	630		106
	EW10SREDDMD	10	G 3/8 A	6	7	22	25	17.5	45.0	12	34	17	22	22	800	630		148
	EW12SREDDMD	12	G 3/8 A	8	8	22	29	21.5	48.0	12	38	17	24	22	630	630		170
	EW14SREDDMD	14	G 1/2 A	9	10	27	30	22.0	54.0	14	40	19	27	27	630	630		242
	EW16SREDDMD	16	G 1/2 A	12	12	27	33	24.5	55.0	14	43	24	30	27	630	400		303
	EW20SREDDMD	20	G 3/4 A	16	16	32	37	26.5	65.0	16	48	27	36	32	420	400		458
	EW25SREDDMD	25	G 1 A	20	20	40	42	30.0	73.0	18	54	36	46	41	420	400		813
	EW30SREDDMD	30	G 1 1/4 A	25	25	50	49	35.5	78.5	20	62	41	50	50	420	400		1163
EW38SREDDMD	38	G 1 1/2 A	32	32	55	57	41.0	89.0	22	72	50	60	55	420	315		1784	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

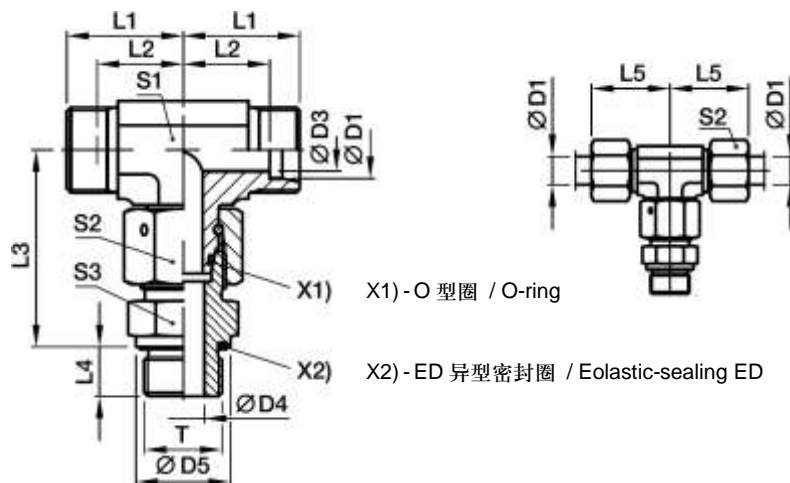
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		EW16SREDDMD	NBR
不锈钢	71	EW16SREDDMD71	VIT
黄铜	MS		NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		EW16SREDDMD	NBR
Stainless steel	71	EW16SREDDMD71	VIT
Brass	MS		NBR

**ET-M-ED 三通转向接头组件 - 拧入端 M 螺纹, ED 异型密封圈 (符合 ISO 9974)**

ET-M-ED Assembled adjustable swivel branch tee - Male metric thread, ED-seal (ISO 9974)


**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions													公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T	D3	D4	D5	L1	L2	L3	L4	L5	S1	S2	S3	71	MS	g	
L	ET06LMEDOMD	06	M 10x1	4	4	14	19	12.0	34.5	8	27	12	14	14	500	315		55
	ET08LMEDOMD	08	M 12x1.5	6	6	17	21	14.0	37.5	12	29	12	17	17	500	315		75
	ET10LMEDOMD	10	M 14x1.5	8	7	19	22	15.0	40.0	12	30	14	19	19	500	315		98
	ET12LMEDOMD	12	M 16x1.5	10	9	22	24	17.0	42.0	12	32	17	22	22	400	315		135
	ET15LMEDOMD	15	M 18x1.5	12	11	24	28	21.0	46.0	12	36	19	27	24	400	315		203
	ET18LMEDOMD	18	M 22x1.5	15	14	27	31	23.5	50.0	14	40	24	32	27	400	315		310
	ET22LMEDOMD	22	M 26x1.5	19	18	32	35	27.5	55.0	16	44	27	36	32	250	160		377
	ET28LMEDOMD	28	M 33x2	24	23	40	38	30.5	59.0	18	47	36	41	41	250	160		607
	ET35LMEDOMD	35	M 42x2	30	30	50	45	34.5	68.5	20	56	41	50	50	250	160		929
	ET42LMEDOMD	42	M 48x2	36	36	55	51	40.0	75.0	22	63	50	60	55	250	160		1478
S	ET06SMEDOMD	06	M 12x1.5	4	4	17	23	16.0	40.0	12	31	12	17	17	800	630		92
	ET08SMEDOMD	08	M 14x1.5	5	5	19	24	17.0	42.5	12	32	14	19	19	800	630		126
	ET10SMEDOMD	10	M 16x1.5	6	7	22	25	17.5	45.0	12	34	17	22	22	800	630		167
	ET12SMEDOMD	12	M 18x1.5	8	8	24	29	21.5	48.0	12	38	17	24	24	630	630		207
	ET14SMEDOMD	14	M 20x1.5	9	10	26	30	22.0	54.0	14	40	19	27	27	630	630		287
	ET16SMEDOMD	16	M 22x1.5	12	12	27	33	24.5	55.0	14	43	24	30	27	630	400		352
	ET20SMEDOMD	20	M 27x2	16	16	32	37	26.5	65.0	16	48	27	36	32	420	400		498
	ET25SMEDOMD	25	M 33x2	20	20	40	42	30.0	73.0	18	54	36	46	41	420	400		916
	ET30SMEDOMD	30	M 42x2	25	25	50	49	35.5	78.5	20	62	41	50	50	420	400		1328
	ET38SMEDOMD	38	M 48x2	32	32	55	57	41.0	89.0	22	72	50	60	55	420	315		2031

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

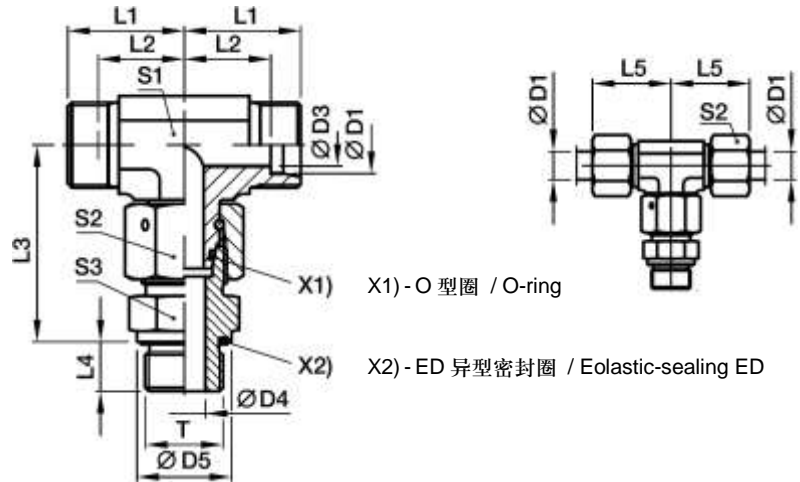
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		ET16SMEDOMD	NBR
不锈钢	71	ET16SMEDOMD71	VIT
黄铜	MS		NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		ET16SMEDOMD	NBR
Stainless steel	71	ET16SMEDOMD71	VIT
Brass	MS		NBR

ET-R-ED 三通转向接头组件 - 拧入端 BSPP 螺纹, ED 异型密封圈 (符合 ISO 1179)

ET-R-ED Assembled adjustable swivel branch tee - Male metric thread, ED-seal (ISO 1179)



安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions													公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T	D3	D4	D5	L1	L2	L3	L4	L5	S1	S2	S3	71	MS	g	
L	ET06LREDOMD	06	G 1/8 A	4	4	14	19	12.0	34.5	8	27	12	14	14	500	315		55
	ET08LREDOMD	08	G 1/4 A	6	6	19	21	14.0	37.5	12	29	12	17	19	500	315		80
	ET10LREDOMD	10	G 1/4 A	8	6	19	22	15.0	40.0	12	30	14	19	19	500	315		98
	ET12LREDOMD	12	G 3/8 A	10	9	22	24	17.0	42.0	12	32	17	22	22	400	315		136
	ET15LREDOMD	15	G 1/2 A	12	11	27	28	21.0	46.5	14	36	19	27	27	400	315		224
	ET18LREDOMD	18	G 1/2 A	15	14	27	31	23.5	50.0	14	40	24	32	27	400	315		306
	ET22LREDOMD	22	G 3/4 A	19	18	32	35	27.5	55.0	16	44	27	36	32	250	160		423
	ET28LREDOMD	28	G 1 A	24	23	40	38	30.5	59.0	18	47	36	41	41	250	160		608
	ET35LREDOMD	35	G 1 1/4 A	30	30	50	45	34.5	68.5	20	56	41	50	50	250	160		920
ET42LREDOMD	42	G 1 1/2 A	36	36	55	51	40.0	75.0	22	63	50	60	55	250	160		1466	
S	ET06SREDOMD	06	G 1/4 A	4	4	19	23	16.0	40.0	12	31	12	17	19	800	630		98
	ET08SREDOMD	08	G 1/4 A	5	5	19	24	17.0	42.5	12	32	14	19	19	800	630		125
	ET10SREDOMD	10	G 3/8 A	6	7	22	25	17.5	45.0	12	34	17	22	22	800	630		169
	ET12SREDOMD	12	G 3/8 A	8	8	22	29	21.5	48.0	12	38	17	24	22	630	630		198
	ET14SREDOMD	14	G 1/2 A	9	10	27	30	22.0	54.0	14	40	19	27	27	630	630		287
	ET16SREDOMD	16	G 1/2 A	12	12	27	33	24.5	55.0	14	43	24	30	27	630	400		348
	ET20SREDOMD	20	G 3/4 A	16	16	32	37	26.5	65.0	16	48	27	36	32	420	400		498
	ET25SREDOMD	25	G 1 A	20	20	40	42	30.0	73.0	18	54	36	46	41	420	400		918
	ET30SREDOMD	30	G 1 1/4 A	25	25	50	49	35.5	78.5	20	62	41	50	50	420	400		1324
ET38SREDOMD	38	G 1 1/2 A	32	32	55	57	41.0	89.0	22	72	50	60	55	420	315		2025	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

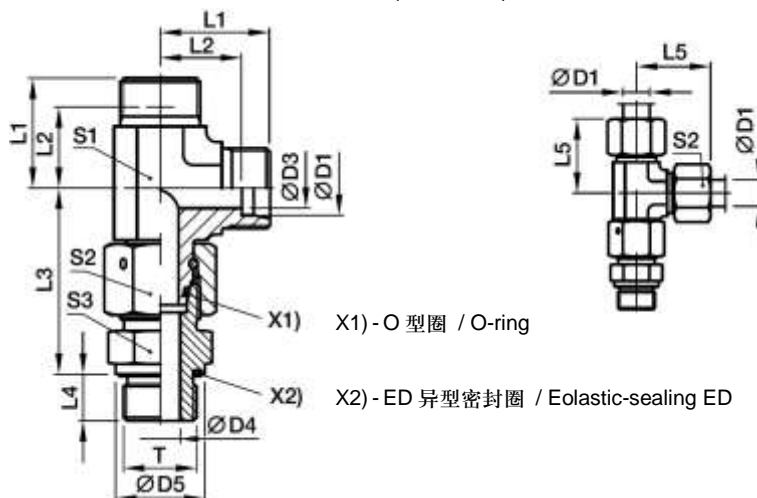
<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		ET16SREDOMD	NBR
不锈钢	71	ET16SREDOMD71	VIT
黄铜	MS		NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		ET16SREDOMD	NBR
Stainless steel	71	ET16SREDOMD71	VIT
Brass	MS		NBR

**EL-M-ED L 型三通转向接头组件 - 拧入端 M 螺纹, ED 异型密封圈 (符合 ISO 9974)**  
 EL-M-ED Assembled adjustable swivel run tee - Male metric thread, ED-seal (ISO 9974)

**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions													公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T	D3	D4	D5	L1	L2	L3	L4	L5	S1	S2	S3	71	MS	g	
L	EL06LMEDOMD	06	M 10x1	4	4	14	19	12.0	34.5	8	27	12	14	14	500	315		55
	EL08LMEDOMD	08	M 12x1.5	6	6	17	21	14.0	37.5	12	29	12	17	17	500	315		75
	EL10LMEDOMD	10	M 14x1.5	8	7	19	22	15.0	40.0	12	30	14	19	19	500	315		97
	EL12LMEDOMD	12	M 16x1.5	10	9	22	24	17.0	42.0	12	32	17	22	22	400	315		135
	EL15LMEDOMD	15	M 18x1.5	12	11	24	28	21.0	46.0	12	36	19	27	24	400	315		201
	EL18LMEDOMD	18	M 22x1.5	15	14	27	31	23.5	50.0	14	40	24	32	27	400	315		308
	EL22LMEDOMD	22	M 26x1.5	19	18	32	35	27.5	55.0	16	44	27	36	32	250	160		404
	EL28LMEDOMD	28	M 33x2	24	23	40	38	30.5	59.0	18	47	36	41	41	250	160		605
	EL35LMEDOMD	35	M 42x2	30	30	50	45	34.5	68.5	20	56	41	50	50	250	160		947
	EL42LMEDOMD	42	M 48x2	36	36	55	51	40.0	75.0	22	63	50	60	55	250	160		1497
S	EL06SMEDOMD	06	M 12x1.5	4	4	17	23	16.0	40.0	12	31	12	17	17	800	630		91
	EL08SMEDOMD	08	M 14x1.5	5	5	19	24	17.0	42.5	12	32	14	19	19	800	630		126
	EL10SMEDOMD	10	M 16x1.5	6	7	22	25	17.5	45.0	12	34	17	22	22	800	630		169
	EL12SMEDOMD	12	M 18x1.5	8	8	24	29	21.5	48.0	12	38	17	24	24	630	630		206
	EL14SMEDOMD	14	M 20x1.5	9	10	26	30	22.0	54.0	14	40	19	27	27	630	630		275
	EL16SMEDOMD	16	M 22x1.5	12	12	27	33	24.5	55.0	14	43	24	30	27	630	400		354
	EL20SMEDOMD	20	M 27x2	16	16	32	37	26.5	65.0	16	48	27	36	32	420	400		526
	EL25SMEDOMD	25	M 33x2	20	20	40	42	30.0	73.0	18	54	36	46	41	420	400		919
	EL30SMEDOMD	30	M 42x2	25	25	50	49	35.5	78.5	20	62	41	50	50	420	400		1328
	EL38SMEDOMD	38	M 48x2	32	32	55	57	41.0	89.0	22	72	50	60	55	420	315		2039

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		EL16SMEDOMD	NBR
不锈钢	71	EL16SMEDOMD71	VIT
黄铜	MS		NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		EL16SMEDOMD	NBR
Stainless steel	71	EL16SMEDOMD71	VIT
Brass	MS		NBR

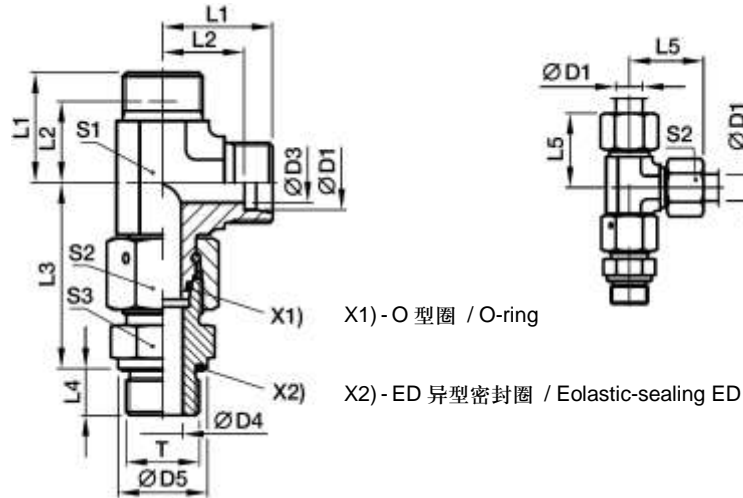
## 管接头系列 / Fitting Series



EL-R-ED L 型三通转向接头组件 / EL-R-ED Assembled Adjustable Swivel Run Tee

### EL-R-ED L 型三通转向接头组件 - 拧入端 BSPP 螺纹, ED 异型密封圈 (符合 ISO 1179)

EL-R-ED Assembled adjustable swivel run tee - Male metric thread, ED-seal (ISO 1179)



### 安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions													公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T	D3	D4	D5	L1	L2	L3	L4	L5	S1	S2	S3	71	MS	g	
L	EL06LREDO	06	G 1/8 A	4	4	14	19	12.0	34.5	8	27	12	14	14	500	315		55
	EL08LREDO	08	G 1/4 A	6	6	19	21	14.0	37.5	12	29	12	17	19	500	315		80
	EL10LREDO	10	G 1/4 A	8	6	19	22	15.0	40.0	12	30	14	19	19	500	315		97
	EL12LREDO	12	G 3/8 A	10	9	22	24	17.0	42.0	12	32	17	22	22	400	315		137
	EL15LREDO	15	G 1/2 A	12	11	27	28	21.0	46.5	14	36	19	27	27	400	315		222
	EL18LREDO	18	G 1/2 A	15	14	27	31	23.5	50.0	14	40	24	32	27	400	315		304
	EL22LREDO	22	G 3/4 A	19	18	32	35	27.5	55.0	16	44	27	36	32	250	160		404
	EL28LREDO	28	G 1 A	24	23	40	38	30.5	59.0	18	47	36	41	41	250	160		606
	EL35LREDO	35	G 1 1/4 A	30	30	50	45	34.5	68.5	20	56	41	50	50	250	160		938
EL42LREDO	42	G 1 1/2 A	36	36	55	51	40.0	75.0	22	63	50	60	55	250	160		1485	
S	EL06SREDO	06	G 1/4 A	4	4	19	23	16.0	40.0	12	31	12	17	19	800	630		97
	EL08SREDO	08	G 1/4 A	5	5	19	24	17.0	42.5	12	32	14	19	19	800	630		125
	EL10SREDO	10	G 3/8 A	6	7	22	25	17.5	45.0	12	34	17	22	22	800	630		171
	EL12SREDO	12	G 3/8 A	8	8	22	29	21.5	48.0	12	38	17	24	22	630	630		198
	EL14SREDO	14	G 1/2 A	9	10	27	30	22.0	54.0	14	40	19	27	27	630	630		269
	EL16SREDO	16	G 1/2 A	12	12	27	33	24.5	55.0	14	43	24	30	27	630	400		350
	EL20SREDO	20	G 3/4 A	16	16	32	37	26.5	65.0	16	48	27	36	32	420	400		524
	EL25SREDO	25	G 1 A	20	20	40	42	30.0	73.0	18	54	36	46	41	420	400		921
	EL30SREDO	30	G 1 1/4 A	25	25	50	49	35.5	78.5	20	62	41	50	50	420	400		1324
EL38SREDO	38	G 1 1/2 A	32	32	55	57	41.0	89.0	22	72	50	60	55	420	315		2033	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		EL16SREDO	NBR
不锈钢	71	EL16SREDO71	VIT
黄铜	MS		NBR

material	Suffix for Surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		EL16SREDO	NBR
Stainless steel	71	EL16SREDO71	VIT
Brass	MS		NBR

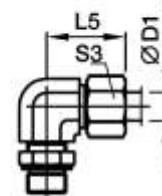
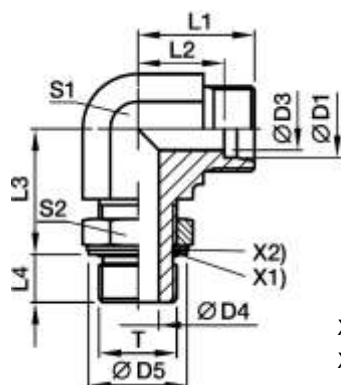


**WEE-R 螺母锁紧弯通转向接头 - BSPP 螺纹, O 型密封圈+保持环 (符合 ISO 1179)**

WEE-R Adjustable locknut elbow - BSPP thread, O-ring + retaining ring (ISO 1179)

大小沉孔的油口均适用, 但对于不锈钢接头, 尺寸 D5 有所不同, 仅适用于大沉孔油口 (例如: WEE16SRBOMD71)。

For ports with small or wide spot face; Differences in D5 in Stainless Steel are only for ports with wide spot face (e.g.: WEE16SRBOMD71).



X1) - O 型密封圈 / O-ring

X2) - 保持环 / Retaining ring

**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions														公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	T	D3	D4	D5 <sup>3)</sup>	D5 <sup>4)</sup>	L1	L2	L3	L4	L5	S1	S2	S3	71	g	
LL	WEE04LLROMD	04	G 1/8 A	3.0	4.5	15		15	11.3	20	7.1	21	11	14	10	250		27
	WEE06LLROMD	06	G 1/8 A	4.5	4.5	15		15	11.3	20	7.1	21	11	14	12	250		27
L	WEE06LROMD	06	G 1/8 A	4.0	4.5	15	15.0	21	14.0	19	7.0	29	14	14	14	315	315	40
	WEE08LROMD	08	G 1/4 A	6.0	7.5	20	20.0	23	16.0	23	9.0	31	14	19	17	315	315	59
	WEE10LROMD	10	G 1/4 A	8.0	7.5	20	20.0	24	17.0	25	9.0	32	19	19	19	315	315	82
	WEE12LROMD	12	G 3/8 A	10.0	10.0	23	23.5	26	19.0	28	9.0	34	19	22	22	250	250	96
	WEE15LROMD	15	G 1/2 A	12.0	12.5	28	28.5	28	21.0	30	13.0	36	22	27	27	250	250	149
	WEE18LROMD	18	G 1/2 A	15.0	12.5	28	28.5	31	24.0	36	13.0	40	27	27	32	250	250	221
	WEE22LROMD	22	G 3/4 A	19.0	15.5	33	34.5	35	28.0	36	13.0	44	30	36	36	160	160	310
	WEE28LROMD	28	G 1 A	24.0	21.5	41	43.5	38	31.0	44	15.0	47	36	41	41	160	160	455
	WEE35LROMD	35	G 1 1/4 A	30.0	27.5	51	52.5	48	38.0	50	15.0	59	50	50	50	160	160	1043
	WEE42LROMD	42	G 1 1/2 A	36.0	33.0	56	60.0	49	38.0	52	15.0	61	50	55	60	160	160	994
S	WEE06SROMD	06	G 1/4 A	4.0	7.5	20	20.0	22	15.0	23	9.0	30	14	19	17	315	315	56
	WEE08SROMD	08	G 1/4 A	5.0	7.5	20	20.0	24	17.0	27	9.0	32	19	19	19	315	315	88
	WEE10SROMD	10	G 3/8 A	7.0	10.0	23	23.5	25	18.0	29	9.0	34	19	22	22	250	250	98
	WEE12SROMD	12	G 3/8 A	8.0	10.0	23	23.5	29	22.0	29	9.0	38	22	22	24	250	250	128
	WEE16SROMD	16	G 1/2 A	12.0	12.5	28	28.5	33	25.0	36	13.0	43	27	27	30	250	250	234
	WEE20SROMD	20	G 3/4 A	16.0	15.5	33	34.5	38	28.0	39	12.0	49	30	36	36	250	250	344
	WEE25SROMD	25	G 1 A	20.0	21.5	41	43.5	42	30.0	44	14.0	54	36	41	46	250	250	533
	WEE30SROMD	30	G 1 1/4 A	25.0	27.5	51	52.5	49	36.0	49	15.0	62	50	50	50	160	160	1085
WEE38SROMD	38	G 1 1/2 A	32.0	33.0	56	60.0	50	34.0	55	15.0	65	50	55	60	160	160	1116	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>3)</sup> 用于碳钢

<sup>4)</sup> 用于不锈钢

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

<sup>3)</sup> For steel

<sup>4)</sup> For stainless steel

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		WEE16SROMD	NBR
不锈钢	71	WEE16SROMD71	VIT

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		WEE16SROMD	NBR
Stainless steel	71	WEE16SROMD71	VIT

## 管接头系列 / Fitting Series



螺母锁紧弯通、三通及 L 型三通转向接头 / Adjustable Locknut Elbow, Branch Tee or Run Tee

### 螺母锁紧弯通、三通及 L 型三通转向接头

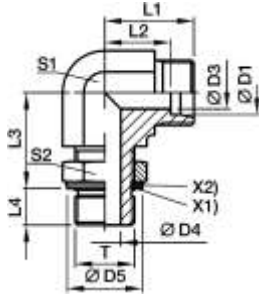
Adjustable locknut elbow, branch tee or run tee

按客户要求定制供货!

On customer request !

#### WEE 螺母锁紧弯通转向接头

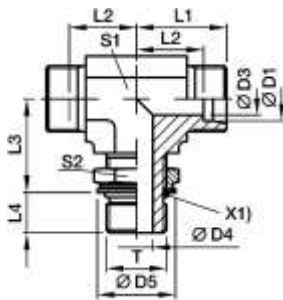
WEE Adjustable locknut elbow



订货代号 Ordering Code	T	表面处理 Surface
WEE...MOMD	公制螺纹, O 型密封圈+保持环 Metric thread, O-ring + retaining ring	
WEE...MOROMD	公制螺纹, O 型密封圈 (ISO 6149) Metric thread, O-ring (ISO 6149)	
WEE...UNFOMD	美制统一螺纹, O 型密封圈 (ISO 11926) UN/UNF thread, O-ring (ISO 11926)	

#### TEE 螺母锁紧 T 型三通转向接头

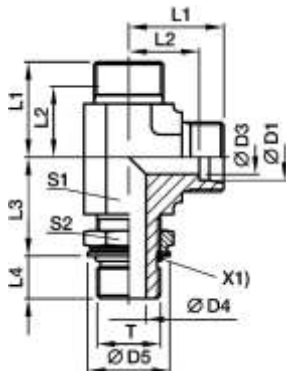
TEE Adjustable branch tee



订货代号 Ordering Code	T	表面处理 Surface
TEE...MOMD	公制螺纹, O 型密封圈+保持环 Metric thread, O-ring + retaining ring	
TEE...MOROMD	公制螺纹, O 型密封圈 (ISO 6149) Metric thread, O-ring (ISO 6149)	
TEE...UNFOMD	美制统一螺纹, O 型密封圈 (ISO 11926) UN/UNF thread, O-ring (ISO 11926)	
TEE...ROMD	英制直管螺纹, O 型密封圈+保持环 (ISO 1179) BSPP thread, O-ring + retaining ring (ISO 1179)	

#### LEE 螺母锁紧 L 型三通转向接头

LEE Adjustable locknut run tee

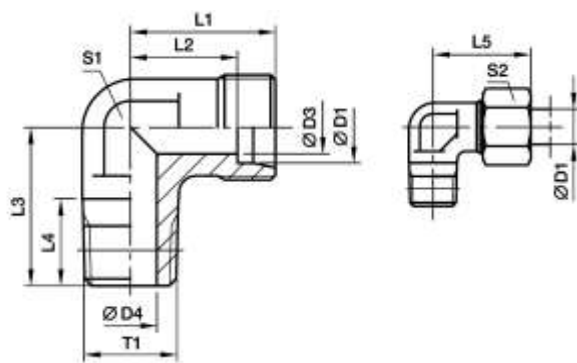


订货代号 Ordering Code	T	表面处理 Surface
LEE...MOMD	公制螺纹, O 型密封圈+保持环 Metric thread, O-ring + retaining ring	
LEE...MOROMD	公制螺纹, O 型密封圈 (ISO 6149) Metric thread, O-ring (ISO 6149)	
LEE...UNFOMD	美制统一螺纹, O 型密封圈 (ISO 11926) UN/UNF thread, O-ring (ISO 11926)	
LEE...ROMD	英制直管螺纹, O 型密封圈+保持环 (ISO 1179) BSPP thread, O-ring + retaining ring (ISO 1179)	



**WE-NPT 弯通接头, 美制锥管螺纹 (符合 SAE J476)**  
 WE-NPT Male stud elbow, Male NPT thread (SAE J476)

 图示外形碳钢及黄铜制接头体(S3)规格:  
 Profile body steel and brass (S3)

 LL 系列 / Series LL D1: 4 - 8 mm  
 L 系列 / Series L D1: 6 - 12 mm  
 S 系列 / Series S D1: 6 - 12 mm

**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions											公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight	
		D1	T1	D3	D4	L1	L2	L3	L4	L5	S1	S2	S3	71	MS	g	
LL	WE04LL1/8NPT	04	1/8-27 NPT	3.0	4.0	15	11.0	17	10.0	21	9	10	11	100			18
	WE06LL1/8NPT	06	1/8-27 NPT	4.5	4.5	15	9.5	17	10.0	21	9	12	11	100			17
	WE08LL1/8NPT	08	1/8-27 NPT	6.0	5.0	17	11.5	20	10.0	23	12	14	12	100			25
L	WE06L1/8NPT	06	1/8-27 NPT	4.0	4.0	19	12.0	20	10.0	27	12	14	12	315	315	315	29
	WE06L1/4NPT	06	1/4-18 NPT	4.0	7.0	21	14.0	26	14.5	29	12	14	14	315	315	315	44
	WE06L3/8NPT	06	3/8-18 NPT	4.0	8.0	25	18.0	28	14.5	33	17	14	19	315	315	315	55
	WE08L1/8NPT	08	1/8-27 NPT	6.0	4.0	21	14.0	26	10.0	29	12	17	14	315	315	315	48
	WE08L1/4NPT	08	1/4-28 NPT	6.0	6.0	21	14.0	26	14.5	29	12	17	14	315	315	315	47
	WE10L1/4NPT	10	1/4-18 NPT	8.0	7.0	22	15.0	27	14.5	30	14	19	17	315	315	315	61
	WE10L3/8NPT	10	3/8-18 NPT	8.0	8.0	24	17.0	28	14.5	32	17	19	19	315	315	315	92
	WE12L1/4NPT	12	1/4-18 NPT	10.0	7.0	24	17.0	28	14.5	32	17	22	19	315	315	315	82
	WE12L3/8NPT	12	3/8-18 NPT	10.0	8.0	24	17.0	28	14.5	32	17	22	19	315	315	315	92
	WE12L1/2NPT	12	1/2-14 NPT	10.0	11.0	28	21.0	34	19.5	36	19	22		315	315	315	90
	WE15L1/2NPT	15	1/2-14 NPT	12.0	11.0	28	21.0	34	19.5	36	19	27		315	315	315	89
	WE18L1/2NPT	18	1/2-14 NPT	15.0	12.0	31	23.5	36	19.5	40	24	32		315	315	315	150
	WE22L3/4NPT	22	3/4-14 NPT	19.0	16.0	35	27.5	42	19.5	44	27	36		160	160	160	176
	WE28L1NPT	28	1-11 1/2 NPT	24.0	21.0	38	30.5	48	24.5	47	36	41		160	160	160	314
	WE35L11/4NPT	35	11/4-11 1/2 NPT	30.0	28.0	45	34.5	54	25.0	56	41	50		160	160	160	465
WE42L11/2NPT	42	11/2-11 1/2 NPT	36.0	34.0	51	40.0	61	26.0	63	50	60		160	160	160	849	
S	WE06S1/4NPT	06	1/4-18 NPT	4.0	4.0	23	16.0	26	14.5	31	12	17	14	630	630	630	56
	WE08S1/4NPT	08	1/4-18 NPT	5.0	5.0	24	17.0	27	14.5	32	14	19	17	630	630	630	73
	WE08S3/8NPT	08	3/8-18 NPT	5.0	8.0	25	18.0	28	14.5	33	17	19	19	630	630	630	77
	WE08S1/2NPT	08	1/2-14 NPT	5.0	10.0	30	23.0	34	19.5	38	19	19		630	630	630	75
	WE10S1/4NPT	10	1/4-18 NPT	7.0	5.0	25	17.5	28	14.5	34	17	22	19	630	630	630	96
	WE10S3/8NPT	10	3/8-18 NPT	7.0	7.0	25	17.5	28	14.5	34	17	22	19	630	630	630	98
	WE12S1/4NPT	12	1/4-18 NPT	8.0	5.0	29	21.5	29	14.5	38	17	24	22	630	630	630	73
	WE12S3/8NPT	12	3/8-18 NPT	8.0	8.0	29	22.5	28	14.5	38	17	24	22	630	630	630	123
	WE12S1/2NPT	12	1/2-14 NPT	8.0	10.0	30	22.5	34	19.5	39	19	24		630	630	630	107
	WE14S1/2NPT	14	1/2-14 NPT	10.0	10.0	30	22.0	34	19.5	40	19	27		630	630	630	103
	WE16S1/2NPT	16	1/2-14 NPT	12.0	12.0	33	24.5	36	19.5	43	24	30		400	400	400	157
	WE20S3/4NPT	20	3/4-11 NPT	16.0	16.0	37	26.5	42	19.5	48	27	36		400	400	400	205
	WE25S1NPT	25	1-11 1/2 NPT	20.0	20.0	42	30.0	48	24.5	54	36	46		400	400	400	381
	WE30S11/4NPT	30	1 1/4-11 1/2 NPT	25.0	25.0	49	35.5	54	25.0	62	41	50		400	400	400	598
	WE38S11/2NPT	38	1 1/2-11 1/2 NPT	32.0	32.0	57	41.0	61	26.0	72	50	60		315	315	315	1029

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

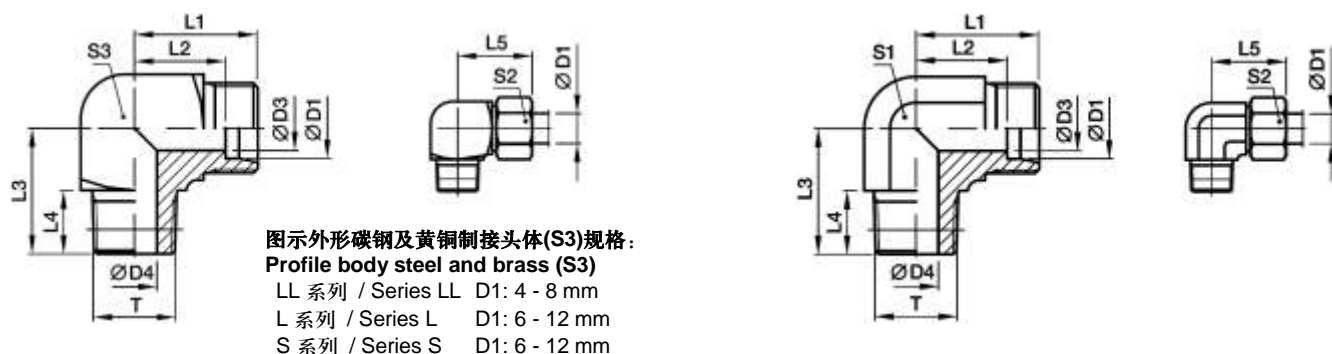
材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		WE16S1/2NPTX
不锈钢	71	WE16S1/2NPT71X
黄铜	MS	WE16S1/2NPTMSX

material	Suffix	Example
Steel, zinc plated, Cr(VI)-free		WE16S1/2NPTX
Stainless steel	71	WE16S1/2NPT71X
Brass	MS	WE16S1/2NPTMSX



**WE-R(KEG) 弯通接头, 英制锥管(R)螺纹 (符合 DIN 3852-2, C 型)**

WE-R(KEG) Male stud elbow, Male short BSP(R) taper thread (DIN 3852-2, type C)


 图示外形碳钢及黄铜制接头体(S3)规格:  
 Profile body steel and brass (S3)

 LL 系列 / Series LL D1: 4 - 8 mm  
 L 系列 / Series L D1: 6 - 12 mm  
 S 系列 / Series S D1: 6 - 12 mm

**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions											公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight		
		D1	T	D3	D4	L1	L2	L3	L4	L5	S1	S2	S3	71	MS	g	
LL	WE04LLR	04	R 1/8	3.0	4.0	15	11.0	17	8	21	9	10	11	100	100	63	17
	WE06LLR	06	R 1/8	4.5	4.5	15	9.5	17	8	21	9	12	11	100	100	63	17
	WE08LLR	08	R 1/8	6.0	6.0	17	11.5	20	8	23	12	14	12	100	100	63	24
	WE10LLR	10	R 1/4	8.0	7.0	18	12.5	23	12	24	12	17	14	100			36
	WE12LLR	12	R 1/4	10.0	7.0	19	13.0	23	12	25	14	19	17	100			46
L	WE06LR	06	R 1/8	4.0	4.0	19	12.0	20	8	27	12	14	12	315	315	200	30
	WE06LR1/4	06	R 1/4	4.0	6.0	21	14.0	26	12	29	12	14	14	315	315		47
	WE08LR	08	R 1/4	6.0	6.0	21	14.0	26	12	29	12	17	14	315	315	200	46
	WE08LR1/8	08	R 1/8	6.0	4.0	21	14.0	26	8	29	12	17	14	315	315		49
	WE08LR3/8	08	R 3/8	6.0	9.0	24	17.0	28	12	32	17	17	19	315	315		94
	WE10LR	10	R 1/4	8.0	7.0	22	15.0	27	12	30	14	19	17	315	315	200	61
	WE10LR3/8	10	R 3/8	8.0	9.0	24	17.0	28	12	32	17	19	19	315	315		87
	WE12LR	12	R 3/8	10.0	9.0	24	17.0	28	12	32	17	22	19	315	315	200	88
	WE12LR1/4	12	R 1/4	10.0	7.0	24	17.0	27	12	32	17	22	19	315	315		80
	WE12LR1/2	12	R 1/2	10.0	11.0	28	21.0	34	14	36	19	22		315	315		89
WE15LR	15	R 1/2	12.0	11.0	28	21.0	34	14	36	19	27		315	315	200	94	
WE18LR	18	R 1/2	15.0	14.0	31	23.5	36	14	40	24	32		315	315	200	141	
S	WE06SR	06	R 1/4	4.0	4.0	23	16.0	26	12	31	12	17	14	400	400	250	56
	WE06SR3/8	06	R 3/8	4.0	7.0	25	18.0	28	12	33	17	17	19	400	400		61
	WE08SR	08	R 1/4	5.0	5.0	24	17.0	27	12	32	14	19	17	400	400	250	73
	WE08SR3/8	08	R 3/8	5.0	7.0	25	18.0	28	12	33	17	19	19	400	400		63
	WE10SR	10	R 3/8	7.0	7.0	25	17.5	28	12	34	17	22	19	400	400	250	104
	WE10SR1/4	10	R 1/4	7.0	5.0	25	17.5	28	12	34	17	22	19	400	400		59
	WE10SR1/2	10	R 1/2	7.0	10.0	30	22.5	32	14	39	19	22		400	400		98
	WE12SR	12	R 3/8	8.0	8.0	29	21.5	28	12	38	17	24	22	400	400	250	126
	WE12SR1/2	12	R 1/2	8.0	11.0	30	22.5	32	14	39	19	24		400	400		97
	WE14SR	14	R 1/2	10.0	10.0	30	22.0	32	14	40	19	27		400	400	250	101
WE16SR	16	R 1/2	12.0	12.0	33	24.5	32	14	43	24	30		400	400	250	150	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		WE16SRX
不锈钢	71	WE16SR71X
黄铜	MS	WE16SRMSX

Please add the suffixes below according to the material and surface required:

material	Suffix	Example
Steel, zinc plated, Cr(VI)-free		WE16SRX
Stainless steel	71	WE16SR71X
Brass	MS	WE16SRMSX

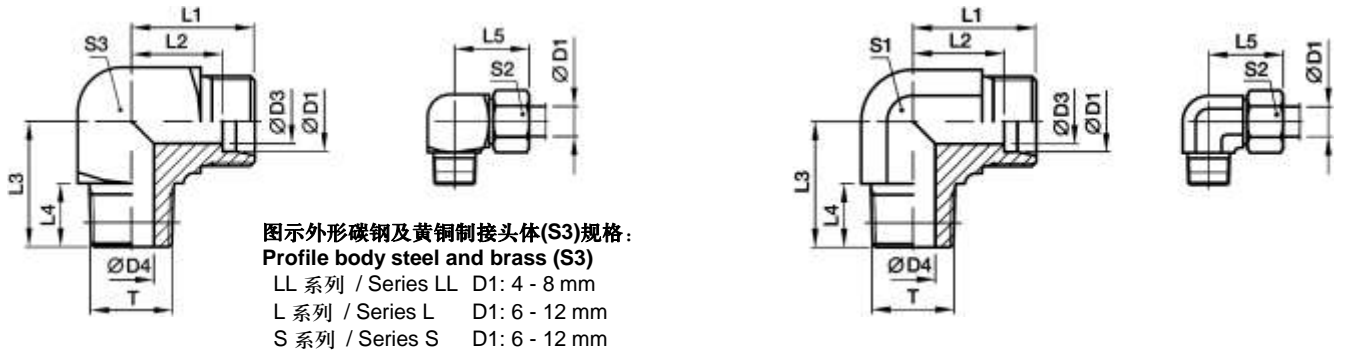
## 管接头系列 / Fitting Series

WE-M(KEG) 弯通接头 / WE-M(KEG) Male Stud Elbow



### WE-M(KEG) 弯通接头, 公制短锥管螺纹 (符合 DIN 3852-1, C 型)

WE-M(KEG) Male stud elbow, Male short metric taper thread (DIN 3852-1, type C)



图示外形碳钢及黄铜制接头体(S3)规格:  
Profile body steel and brass (S3)

LL 系列 / Series LL D1: 4 - 8 mm  
L 系列 / Series L D1: 6 - 12 mm  
S 系列 / Series S D1: 6 - 12 mm

### 安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions													公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	T	D3	D4	L1	L2	L3	L4	L5	S1	S2	S3	71	MS	g	
LL	WE04LLM	04	M 8x1 tap.	3.0	3.5	15	11.0	17	8	21	9	10	9	100	100	63	14
	WE06LLM	06	M 10x1 tap.	4.5	4.5	15	9.5	17	8	21	9	12	11	100	100	63	17
	WE08LLM	08	M 10x1 tap.	6.0	6.0	17	11.5	20	8	23	12	14	12	100	100	63	25
L	WE06LM	06	M 10x1 tap.	4.0	4.0	19	12.0	20	8	27	12	14	12	315	315	200	29
	WE08LM	08	M 12x1.5 tap.	6.0	6.0	21	14.0	26	12	29	12	17	14	315	315	200	46
	WE10LM	10	M 14x1.5 tap.	8.0	7.0	22	15.0	27	12	30	14	19	17	315	315	200	62
	WE12LM	12	M 16x1.5 tap.	10.0	9.0	24	17.0	28	12	32	17	22	19	315	315	200	89
	WE15LM	15	M 18x1.5 tap.	12.0	11.0	28	21.0	32	12	36	19	27		315	315	200	78
	WE18LM	18	M 22x1.5 tap.	15.0	14.0	31	23.0	36	14	40	24	32		315	315	200	148
S	WE06SM	06	M 12x1.5 tap.	4.0	4.0	23	16.0	26	12	31	12	17	14	400	400	250	53
	WE08SM	08	M 14x1.5 tap.	5.0	5.0	24	17.0	27	12	32	14	19	17	400	400	250	78
	WE10SM	10	M 16x1.5 tap.	7.0	7.0	25	17.5	28	12	34	17	22	19	400	400	250	102
	WE12SM	12	M 18x1.5 tap.	8.0	8.0	29	21.5	28	12	38	17	24	22	400	400	250	134
	WE14SM	14	M 20x1.5 tap.	10.0	10.0	30	22.0	32	14	40	19	27		400	400		99
	WE16SM	16	M 22x1.5 tap.	12.0	12.0	33	24.5	32	14	43	24	30		400	400	250	161

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

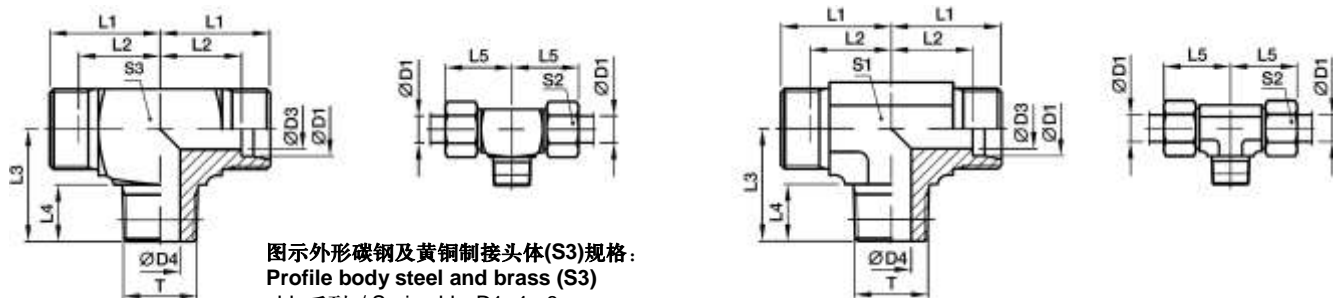
材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		WE16SMX
不锈钢	71	WE16SM71X
黄铜	MS	WE16SMMSX

Please add the suffixes below according to the material and surface required:

material	Suffix	Example
Steel, zinc plated, Cr(VI)-free		WE16SMX
Stainless steel	71	WE16SM71X
Brass	MS	WE16SMMSX

**TE-R(KEG) 三通接头, 英制锥管(R)螺纹 (符合 DIN 3852-2, C 型)**

TE-R(KEG) Male stud branch tee, Male short BSP(R) taper thread (DIN 3852-2, type C)


 图示外形碳钢及黄铜制接头体(S3)规格:  
**Profile body steel and brass (S3)**

LL 系列 / Series LL D1: 4 - 8 mm

L 系列 / Series L D1: 6 + 8 mm

S 系列 / Series S D1: 6 mm

**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions											公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight	
		D1	T	D3	D4	L1	L2	L3	L4	L5	S1	S2	S3	71	MS	g	
LL	TE04LLR	04	R 1/8	3.0	4.0	15	11.0	17	8	21	9	10	11	100	100	63	21
	TE06LLR	06	R 1/8	4.5	4.5	15	9.5	17	8	21	9	12	11	100	100	63	21
	TE08LLR	08	R 1/8	6.0	6.0	17	11.5	20	8	23	12	14	12	100	100	63	29
L	TE06LR	06	R 1/8	4.0	4.0	19	12.0	20	8	27	12	14	12	315	315	200	38
	TE08LR	08	R 1/4	6.0	6.0	21	14.0	26	12	29	12	17	14	315	315	200	58
	TE10LR	10	R 1/4	8.0	7.0	22	15.0	27	12	30	14	19		315	315	200	43
	TE12LR	12	R 3/8	10.0	9.0	24	17.0	28	12	32	17	22		315	315	200	61
	TE15LR	15	R 1/2	12.0	11.0	28	21.0	34	14	36	19	27		315	315	200	113
	TE18LR	18	R 1/2	15.0	14.0	31	23.5	36	14	40	24	32		315	315	200	149
S	TE06SR	06	R 1/4	4.0	4.0	23	16.0	26	12	31	12	17	14	400	400	250	73
	TE08SR	08	R 1/4	5.0	5.0	24	17.0	27	12	32	14	19		400	400	250	61
	TE10SR	10	R 3/8	7.0	7.0	25	17.5	28	12	34	17	22		400	400	250	82
	TE12SR	12	R 3/8	8.0	8.0	29	21.5	28	12	38	17	24		400	400	250	105
	TE14SR	14	R 1/2	10.0	10.0	30	22.0	32	14	40	19	27		400	400	250	134
	TE16SR	16	R 1/2	12.0	12.0	33	24.5	32	14	43	24	30		400	400	250	175

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		TE16SRX
不锈钢	71	TE16SR71X
黄铜	MS	TE16SRMSX

Please add the suffixes below according to the material and surface required:

material	Suffix	Example
Steel, zinc plated, Cr(VI)-free		TE16SRX
Stainless steel	71	TE16SR71X
Brass	MS	TE16SRMSX

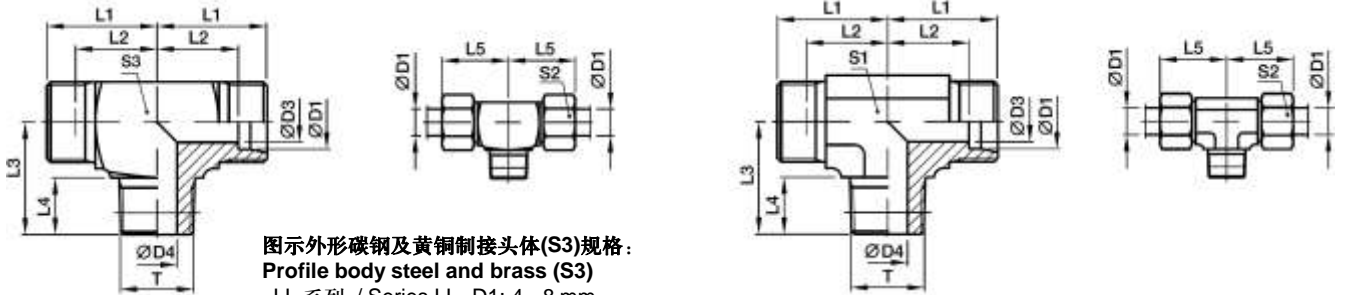
## 管接头系列 / Fitting Series

TE-M(KEG) 三通接头 / TE-M(KEG) Male Stud Branch Tee



### TE-M(KEG) 三通接头, 公制短锥管螺纹 (符合 DIN 3852-1, C 型)

TE-M(KEG) Male stud branch tee, Male short metric taper thread (DIN 3852-1, type C)



图示外形碳钢及黄铜制接头体(S3)规格:  
Profile body steel and brass (S3)

LL 系列 / Series LL D1: 4 - 8 mm

L 系列 / Series L D1: 6 + 8 mm

S 系列 / Series S D1: 6 mm

### 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions													公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	T	D3	D4	L1	L2	L3	L4	L5	S1	S2	S3	71	MS	g	
LL	TE04LLM	04	M 8x1 tap.	3.0	3.5	15	11.0	17	8	21	9	10	9	100	100		17
	TE06LLM	06	M 10x1 tap.	4.5	4.5	15	9.5	17	8	21	9	12	11	100	100		20
	TE08LLM	08	M 10x1 tap.	6.0	6.0	17	11.5	20	8	23	12	14	12	100	100		29
L	TE06LM	06	M 10x1 tap.	4.0	4.0	19	12.0	20	8	27	12	14	12	315	315		38
	TE08LM	08	M 12x1.5 tap.	6.0	6.0	21	14.0	26	12	29	12	17	14	315	315		54
	TE10LM	10	M 14x1.5 tap.	8.0	7.0	22	15.0	27	12	30	14	19		315	315		45
	TE12LM	12	M 16x1.5 tap.	10.0	9.0	24	17.0	28	12	32	17	22		315	315		60
	TE15LM	15	M 18x1.5 tap.	12.0	11.0	28	21.0	32	12	36	19	27		315	315		100
	TE18LM	18	M 22x1.5 tap.	15.0	14.0	31	23.5	36	14	40	24	32		315	315		149
S	TE06SM	06	M 12x1.5 tap.	4.0	4.0	23	16.0	26	12	31	12	17	14	400	400		69
	TE08SM	08	M 14x1.5 tap.	5.0	5.0	24	17.0	27	12	32	14	19		400	400		98
	TE10SM	10	M 16x1.5 tap.	7.0	7.0	25	17.5	28	12	34	17	22		400	400		82
	TE12SM	12	M 18x1.5 tap.	8.0	8.0	29	21.5	28	12	38	17	24		400	400		106
	TE14SM	14	M 20x1.5 tap.	10.0	10.0	30	22.0	32	14	40	19	27		400	400		126
	TE16SM	16	M 22x1.5 tap.	12.0	12.0	33	24.5	32	14	43	24	30		400	400		177

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		TE16SMX
不锈钢	71	TE16SM71X
黄铜	MS	

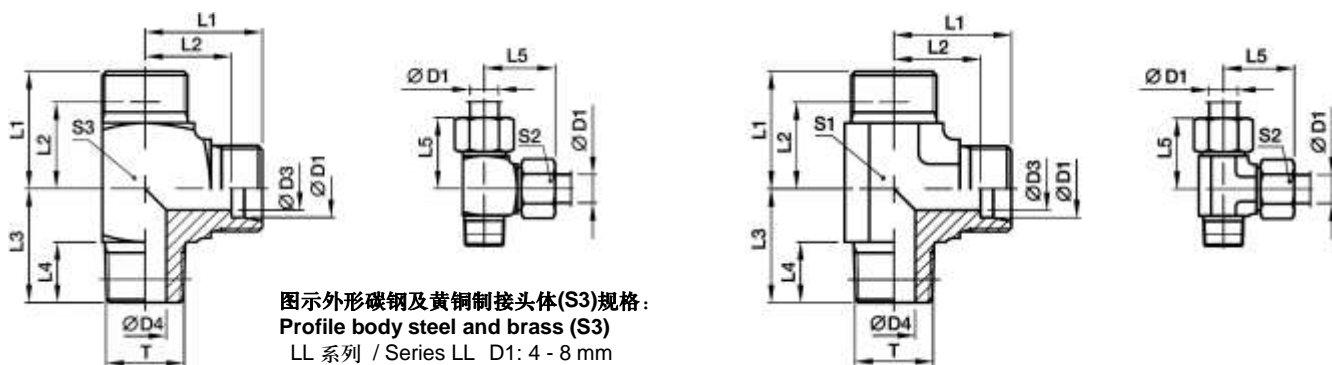
Please add the suffixes below according to the material and surface required:

material	Suffix	Example
Steel, zinc plated, Cr(VI)-free		TE16SMX
Stainless steel	71	TE16SM71X
Brass	MS	



**LE-R(KEG) L 型三通接头, 英制锥管(R)螺纹 (符合 DIN 3852-2, C 型)**

LE-R (KEG) Male stud run tee, Male short BSP(R) taper thread (DIN 3852-2, type C)



图示外形碳钢及黄铜制接头体(S3)规格:

**Profile body steel and brass (S3)**

LL 系列 / Series LL D1: 4 - 8 mm

L 系列 / Series L D1: 6 + 8 mm

S 系列 / Series S D1: 6 mm

**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions											公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight		
		D1	T	D3	D4	L1	L2	L3	L4	L5	S1	S2	S3	71	MS	g	
LL	LE04LLR	04	R 1/8	3.0	4.0	15	11.0	17	8	21	9	10	11	100	100		20
	LE06LLR	06	R 1/8	4.5	4.5	15	9.5	17	8	21	9	12	11	100	100		21
	LE08LLR	08	R 1/8	6.0	6.0	17	11.5	20	8	23	12	14	12	100	100		28
L	LE06LR	06	R 1/8	4.0	4.0	19	12.0	20	8	27	12	14	12	315	315		40
	LE08LR	08	R 1/4	6.0	6.0	21	14.0	26	12	29	12	17	14	315	315		57
	LE10LR	10	R 1/4	8.0	7.0	22	15.0	27	12	30	14	19		315	315		50
	LE12LR	12	R 3/8	10.0	9.0	24	17.0	28	12	32	17	22		315	315		60
	LE15LR	15	R 1/2	12.0	11.0	28	21.0	34	14	36	19	27		315	315		115
	LE18LR	18	R 1/2	15.0	14.0	31	23.5	36	14	40	24	32		315	315		145
S	LE06SR	06	R 1/4	4.0	4.0	23	16.0	26	12	31	12	17	14	400	400		71
	LE08SR	08	R 1/4	5.0	5.0	24	17.0	27	12	32	14	19		400	400		62
	LE10SR	10	R 3/8	7.0	7.0	25	17.5	28	12	34	17	22		400	400		82
	LE12SR	12	R 3/8	8.0	8.0	29	21.5	28	12	38	17	24		400	400		102
	LE14SR	14	R 1/2	10.0	10.0	30	22.0	32	14	40	19	27		400	400		130
	LE16SR	16	R 1/2	12.0	12.0	33	24.5	32	14	43	24	30		400	400		193

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		LE16SRX
不锈钢	71	LE16SR71X
黄铜	MS	

Please add the suffixes below according to the material and surface required:

material	Suffix	Example
Steel, zinc plated, Cr(VI)-free		LE16SRX
Stainless steel	71	LE16SR71X
Brass	MS	



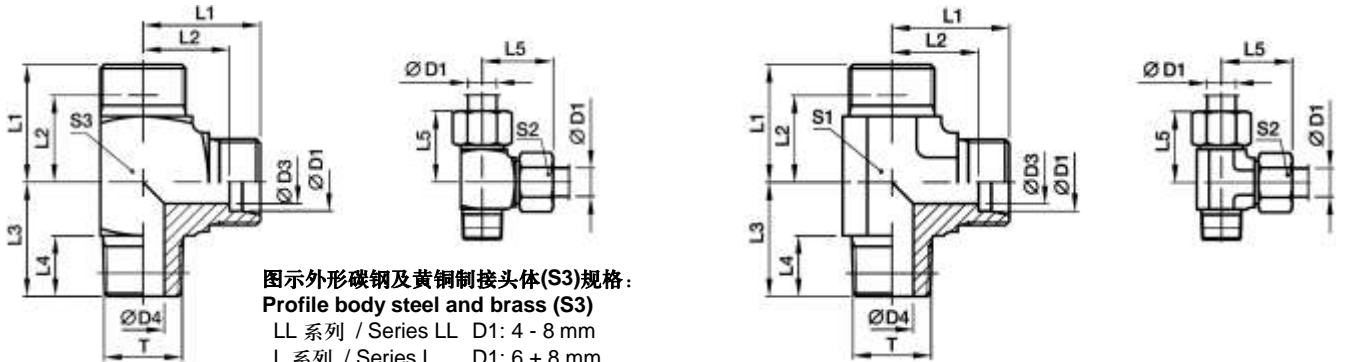
## 管接头系列 / Fitting Series

LE-M(KEG) L 型三通接头 / LE-M(KEG) Male Stud Run Tee



### LE-M(KEG) L 型三通接头, 公制短锥管螺纹 (符合 DIN 3852-1, C 型)

LE-M(KEG) Male stud run tee, Male short metric taper thread (DIN 3852-1, type C)



图示外形碳钢及黄铜制接头体(S3)规格:

Profile body steel and brass (S3)

LL 系列 / Series LL D1: 4 - 8 mm

L 系列 / Series L D1: 6 + 8 mm

S 系列 / Series S D1: 6 mm

### 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions											公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight		
		D1	T	D3	D4	L1	L2	L3	L4	L5	S1	S2	S3	71	MS	g	
LL	TE04LLM	04	M 8x1 tap.	3.0	3.5	15	11.0	17	8	21	9	10	9	100	100		17
	TE06LLM	06	M 10x1 tap.	4.5	4.5	15	9.5	17	8	21	9	12	11	100	100		21
	TE08LLM	08	M 10x1 tap.	6.0	6.0	17	11.5	20	8	23	12	14	12	100	100		29
L	TE06LM	06	M 10x1 tap.	4.0	4.0	19	12.0	20	8	27	12	14	12	315	315		38
	TE08LM	08	M 12x1.5 tap.	6.0	6.0	21	14.0	26	12	29	12	17	14	315	315		56
	TE10LM	10	M 14x1.5 tap.	8.0	7.0	22	15.0	27	12	30	14	19		315	315		47
	TE12LM	12	M 16x1.5 tap.	10.0	9.0	24	17.0	28	12	32	17	22		315	315		58
	TE15LM	15	M 18x1.5 tap.	12.0	11.0	28	21.0	32	12	36	19	27		315	315		98
	TE18LM	18	M 22x1.5 tap.	15.0	14.0	31	23.5	36	14	40	24	32		315	315		156
S	TE06SM	06	M 12x1.5 tap.	4.0	4.0	23	16.0	26	12	31	12	17	14	400	400		70
	TE08SM	08	M 14x1.5 tap.	5.0	5.0	24	17.0	27	12	32	14	19		400	400		66
	TE10SM	10	M 16x1.5 tap.	7.0	7.0	25	17.5	28	12	34	17	22		400	400		123
	TE12SM	12	M 18x1.5 tap.	8.0	8.0	29	21.5	28	12	38	17	24		400	400		169
	TE14SM	14	M 20x1.5 tap.	10.0	10.0	30	22.0	32	14	40	19	27		400	400		174
	TE16SM	16	M 22x1.5 tap.	12.0	12.0	33	24.5	32	14	43	24	30		400	400		178

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

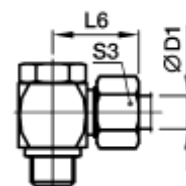
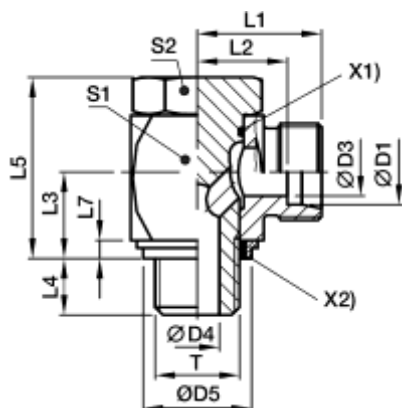
材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		LE16SMX
不锈钢	71	LE16SM71X
黄铜	MS	

Please add the suffixes below according to the material and surface required:

material	Suffix	Example
Steel, zinc plated, Cr(VI)-free		LE16SMX
Stainless steel	71	LE16SM71X
Brass	MS	

**WH-M-KDS 铰接式高压弯通接头 - 公制螺纹, 带软密封圈**

WH-M-KDS High pressure banjo elbow - Male metric thread with soft seal ring



- X1) - O 型密封圈 / O-ring OR
- X2) - KDS 密封圈 (用于小沉孔油口, ISO 9974) / Sealing ring KDS (for ports with small spot face, ISO 9974)
- X3) - KD 密封圈 (用于大沉孔油口, ISO 9974) / Sealing ring KDS (or ports with wide spot face, ISO 9974)

**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions															公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T	D3	D4	D5 KDS	D6 KD	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3	71	g	
L	WH06LMKDSOMD	06	M 10x1	4	4.5	14.9	17.0	19.0	12.0	10.5	8	24.0	27	2.5	17	17	14	315	315	54
	WH08LMKDSOMD	08	M 12x1.5	6	6.0	17.0	22.0	21.5	14.5	14.0	12	30.0	29	3.0	22	19	17	315	315	97
	WH10LMKDSOMD	10	M 14x1.5	8	6.0	18.9	22.5	22.5	15.5	14.0	12	30.0	30	3.0	22	19	19	315	315	104
	WH12LMKDSOMD	12	M 16x1.5	10	7.5	21.9	27.0	25.0	18.0	16.5	12	36.0	33	3.0	27	24	22	315	315	180
	WH15LMKDSOMD	15	M 18x1.5	11	9.0	23.9	29.0	27.5	21.5	18.5	12	39.5	37	3.0	30	30	27	315	315	244
	WH18LMKDSOMD	18	M 22x1.5	15	12.0	26.9	32.0	28.5	21.0	21.5	14	45.0	37	4.5	32	30	32	315	315	327
	WH22LMKDSOMD	22	M 26x1.5	19	17.0	31.9	41.0	35.0	27.5	24.0	16	53.0	44	3.5	41	36	36	160	160	573
	WH28LMKDSOMD	28	M 33x2	24	21.0	39.9	46.0	39.5	32.0	30.5	18	66.0	49	3.5	50	46	41	160	160	1017
	WH35LMKDSOMD	35	M 42x2	30	27.0	49.9	57.0	46.5	36.0	35.5	20	76.0	58	3.5	60	55	50	160	160	1512
	WH42LMKDSOMD	42	M 48x2	36	34.0	55.9	64.0	51.5	40.5	40.5	22	87.0	63	3.5	70	60	60	160	160	2217
S	WH06SMKDSOMD	06	M 12x1.5	4	6.0	17.0	22.0	23.5	16.5	14.0	12	30.0	31	3.0	22	19	17	400	400	104
	WH08SMKDSOMD	08	M 14x1.5	5	6.0	18.9	22.5	23.5	16.5	14.0	12	30.0	31	3.0	22	19	19	400	400	110
	WH10SMKDSOMD	10	M 16x1.5	7	7.5	21.9	27.0	26.0	18.5	16.5	12	36.0	35	3.0	27	24	22	400	400	186
	WH12SMKDSOMD	12	M 18x1.5	8	9.0	23.9	29.0	27.5	20.0	18.5	12	39.5	36	3.0	27	27	24	400	400	246
	WH14SMKDSOMD	14	M 20x1.5	10	10.0		32.0	30.5	22.5	20.0	14	43.5	40	3.0	32	30	27		400	322
	WH16SMKDSOMD	16	M 22x1.5	12	12.0	26.9	32.0	30.5	22.0	21.5	14	45.0	40	4.5	32	30	30	315	315	327
	WH20SMKDSOMD	20	M 27x2	16	16.0	32.9	41.0	37.0	26.5	24.0	16	53.0	48	3.5	41	36	36	315	315	598
	WH25SMKDSOMD	25	M 33x2	20	21.0	39.9	46.0	43.5	31.5	30.5	18	66.0	56	3.5	50	46	46	250	250	1055
	WH30SMKDSOMD	30	M 42x2	25	27.0	49.9	57.0	50.5	37.0	35.5	20	76.0	64	3.5	60	55	50	160	160	1572
	WH38SMKDSOMD	38	M 48x2	32	34.0	55.9	64.0	57.5	41.5	40.5	22	87.0	72	3.5	70	60	60	160	160	2317

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		WH16SMKDSOMD	NBR
不锈钢	71	WH16SMKDOMD71	VIT / PTFE

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		WH16SMKDSOMD	NBR
Stainless steel	71	WH16SMKDOMD71	VIT / PTFE

不锈钢接头只能使用 KD 密封圈, 在订货代号中用 KD 替代 KDS。

Stainless Steel only with sealing ring KD available! Replace KDS by KD in the order code.

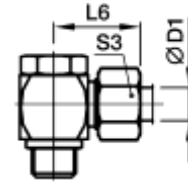
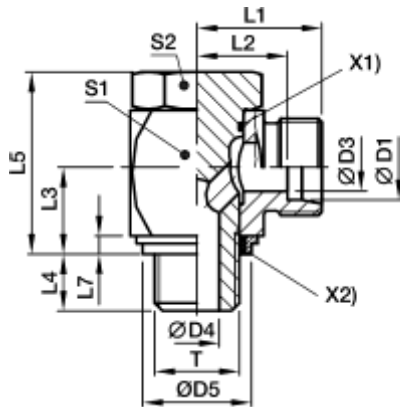
## 管接头系列 / Fitting Series

WH-R-KDS 铰接式高压弯通接头 / WH-R-KDS High Pressure Banjo Elbow



### WH-R-KDS 铰接式高压弯通接头 - 英制直管螺纹(G), 带软密封圈

WH-R-KDS High pressure banjo elbow - Male BSPP(G) thread with soft seal ring



- X1) - O 型密封圈 / O-ring OR
- X2) - KDS 密封圈 (用于小沉孔油口, ISO 1197) / Sealing ring KDS (for ports with small spot face, ISO 1197)
- X3) - KD 密封圈 (用于大沉孔油口, ISO 1197) / Sealing ring KDS (or ports with wide spot face, ISO 1197)

### 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions															公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T	D3	D4	D5 KDS	D6 KD	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3	71	g	
L	WH06LRKDSOMD	06	G 1/8 A	4	4.5	14.9	17	19.0	12.0	10.5	8	24	27	2.5	17	17	14	315	315	53
	WH08LRKDSOMD	08	G 1/4 A	6	6.0	18.9	22	21.5	14.5	14.0	12	30	29	3.0	22	19	17	315	315	101
	WH10LRKDSOMD	10	G 1/4 A	8	6.0	18.9	22	22.5	15.5	14.0	12	30	30	3.0	22	19	19	315	315	102
	WH12LRKDSOMD	12	G 3/8 A	10	7.5	21.9	27	25.0	18.0	16.5	12	36	33	3.0	27	24	22	315	315	181
	WH15LRKDSOMD	15	G 1/2 A	12	11.0	26.9	32	28.5	21.5	21.5	14	45	37	4.5	32	30	27	315	315	312
	WH18LRKDSOMD	18	G 1/2 A	15	11.0	26.9	32	28.5	21.0	21.5	14	45	37	4.5	32	30	32	315	315	319
	WH22LRKDSOMD	22	G 3/4 A	19	17.0	32.9	41	35.0	27.5	24.0	16	53	44	3.5	41	36	36	160	160	578
	WH28LRKDSOMD	28	G 1 A	24	21.0	39.9	46	39.5	32.0	30.5	18	66	49	3.5	50	46	41	160	160	1035
	WH35LRKDSOMD	35	G 1 1/4 A	30	27.0	49.9	57	46.5	36.0	35.5	20	76	58	3.5	60	55	50	160	160	1499
	WH42LRKDSOMD	42	G 1 1/2 A	36	34.0	55.9	64	51.5	40.5	40.5	22	87	63	3.5	70	60	60	160	160	2196
S	WH06SRKDSOMD	06	G 1/4 A	4	6.0	18.9	22	23.5	16.5	14.0	12	30	31	3.0	22	19	17	400	400	107
	WH08SRKDSOMD	08	G 1/4 A	5	6.0	18.9	22	23.5	16.5	14.0	12	30	31	3.0	22	19	19	400	400	107
	WH10SRKDSOMD	10	G 3/8 A	7	7.5	21.9	27	26.0	18.5	16.5	12	36	35	3.0	27	24	22	400	400	188
	WH12SRKDSOMD	12	G 3/8 A	8	7.5	21.9	27	26.0	18.5	16.5	12	36	35	3.0	27	24	24	400	400	190
	WH14SRKDSOMD	14	G 1/2 A	10	11.0	26.9	32	30.5	22.5	21.5	15	45	40	4.5	32	30	27	400	400	320
	WH16SRKDSOMD	16	G 1/2 A	12	11.0	26.9	32	30.5	22.0	21.5	14	45	40	4.5	32	30	30	315	315	324
	WH20SRKDSOMD	20	G 3/4 A	16	17.0	32.9	41	37.0	26.5	24.0	16	53	48	3.5	41	36	36	315	315	588
	WH25SRKDSOMD	25	G 1 A	20	21.0	39.9	46	43.5	31.5	30.5	18	66	56	3.5	50	46	46	250	250	1073
	WH30SRKDSOMD	30	G 1 1/4 A	25	27.0	49.9	57	50.5	37.0	35.5	20	76	64	3.5	60	55	50	160	160	1559
	WH38SRKDSOMD	38	G 1 1/2 A	32	34.0	55.9	64	57.5	41.5	40.5	22	87	72	3.5	70	60	60	160	160	2296

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		WH16SRKDSOMD	NBR
不锈钢	71	WH16SRKDOMD71	VIT / PTFE

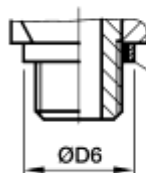
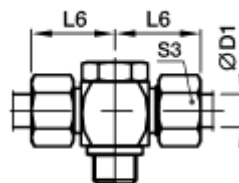
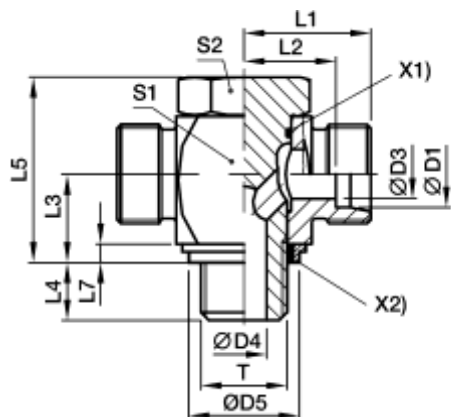
material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		WH16SRKDSOMD	NBR
Stainless steel	71	WH16SRKDOMD71	VIT / PTFE

不锈钢接头只能使用 KD 密封圈, 在订货代号中用 KD 替代 KDS。

Stainless Steel only with sealing ring KD available! Replace KDS by KD in the order code.

**TH-M-KDS 铰接式高压 T 型三通接头 - 公制螺纹, 带软密封圈**

TH-M-KDS High pressure banjo tee - Male metric thread with soft seal ring



X1) - O 型密封圈 / O-ring OR

X2) - KDS 密封圈 (用于小沉孔油口, ISO 9974) / Sealing ring KDS (for ports with small spot face, ISO 9974)

X3) - KD 密封圈 (用于大沉孔油口, ISO 9974) / Sealing ring KDS (or ports with wide spot face, ISO 9974)

**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions															公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T	D3	D4	D5 KDS	D6 KD	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3	71	g	
L	TH06LMKDSOMD	06	M 10x1	4	4.5	14.9	17.0	19.0	12.0	10.5	8	24.0	27	2.5	17	17	14	315	315	59
	TH08LMKDSOMD	08	M 12x1.5	6	6.0	17.0	22.0	21.5	14.5	14.0	12	30.0	29	3.0	22	19	17	315	315	104
	TH10LMKDSOMD	10	M 14x1.5	8	6.0	18.9	22.5	22.5	15.5	14.0	12	30.0	30	3.0	22	19	19	315	315	112
	TH12LMKDSOMD	12	M 16x1.5	10	7.5	21.9	27.0	25.0	18.0	16.5	12	36.0	33	3.0	27	24	22	315	315	192
	TH15LMKDSOMD	15	M 18x1.5	11	9.0	23.9	29.0	27.5	21.5	18.5	12	39.5	37	3.0	30	30	27	315	315	258
	TH18LMKDSOMD	18	M 22x1.5	15	12.0	26.9	32.0	28.5	21.0	21.5	14	45.0	37	4.5	32	30	32	315	315	337
	TH22LMKDSOMD	22	M 26x1.5	19	17.0	31.9	41.0	35.0	27.5	24.0	16	53.0	44	3.5	41	36	36	160	160	589
	TH28LMKDSOMD	28	M 33x2	24	21.0	39.9	46.0	39.5	32.0	30.5	18	66.0	49	3.5	50	46	41	160	160	1072
	TH35LMKDSOMD	35	M 42x2	30	27.0	49.9	57.0	46.5	36.0	35.5	20	76.0	58	3.5	60	55	50	160	160	1778
	TH42LMKDSOMD	42	M 48x2	36	34.0	55.9	64.0	51.5	40.5	40.5	22	87.0	63	3.5	70	60	60	160	160	2566
S	TH06SMKDSOMD	06	M 12x1.5	4	6.0	17.0	22.0	23.5	16.5	14.0	12	30.0	31	3.0	22	19	17	400	400	112
	TH08SMKDSOMD	08	M 14x1.5	5	6.0	18.9	22.5	23.5	16.5	14.0	12	30.0	31	3.0	22	19	19	400	400	123
	TH10SMKDSOMD	10	M 16x1.5	7	7.5	21.9	27.0	26.0	18.5	16.5	12	36.0	35	3.0	27	24	22	400	400	200
	TH12SMKDSOMD	12	M 18x1.5	8	9.0	23.9	29.0	27.5	20.0	18.5	12	39.5	36	3.0	27	27	24	400	400	261
	TH14SMKDSOMD	14	M 20x1.5	10	10.0		32.0	30.5	22.5	20.0	14	43.5	40	3.0	32	30	27		400	334
	TH16SMKDSOMD	16	M 22x1.5	12	12.0	26.9	32.0	30.5	22.0	21.5	14	45.0	40	4.5	32	30	30	315	315	351
	TH20SMKDSOMD	20	M 27x2	16	16.0	32.9	41.0	37.0	26.5	24.0	16	53.0	48	3.5	41	36	36	315	315	629
	TH25SMKDSOMD	25	M 33x2	20	21.0	39.9	46.0	43.5	31.5	30.5	18	66.0	56	3.5	50	46	46	250	250	1106
	TH30SMKDSOMD	30	M 42x2	25	27.0	49.9	57.0	50.5	37.0	35.5	20	76.0	64	3.5	60	55	50	160	160	1843
	TH38SMKDSOMD	38	M 48x2	32	34.0	55.9	64.0	57.5	41.5	40.5	22	87.0	72	3.5	70	60	60	160	160	2744

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		TH16SMKDSOMD	NBR
不锈钢	71	TH16SMKDOMD71	VIT / PTFE

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		TH16SMKDSOMD	NBR
Stainless steel	71	TH16SMKDOMD71	VIT / PTFE

 不锈钢接头只能使用 KD 密封圈, 在订货代号中用 KD 替代 KDS。

 Stainless Steel only with sealing ring KD available! Replace KDS by KD in the order code.

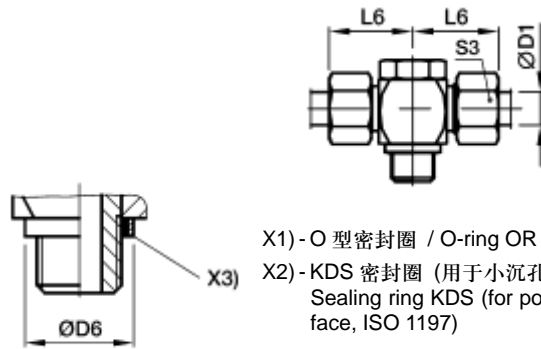
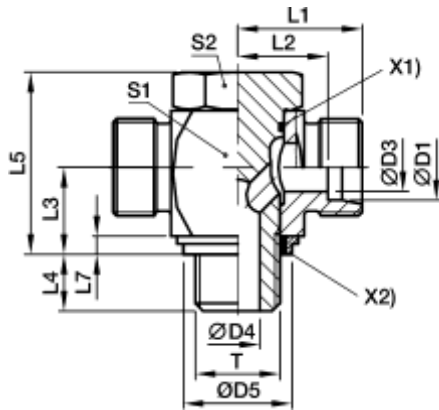
## 管接头系列 / Fitting Series

TH-R-KDS 铰接式高压 T 型三通接头 / TH-R-KDS High Pressure Banjo Tee



### TH-R-KDS 铰接式高压 T 型三通接头 - 英制直管螺纹(G), 带软密封圈

TH-R-KDS High pressure banjo tee - Male BSPP(G) thread with soft seal ring



X1) - O 型密封圈 / O-ring OR

X2) - KDS 密封圈 (用于小沉孔油口, ISO 1197) / Sealing ring KDS (for ports with small spot face, ISO 1197)

X3) - KD 密封圈 (用于大沉孔油口, ISO 1197) / Sealing ring KDS (or ports with wide spot face, ISO 1197)

### 安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions															公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T	D3	D4	D5 KDS	D6 KD	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3	71	g	
L	TH06LRKDSOMD	06	G 1/8 A	4	4.5	14.9	17	19.0	12.0	10.5	8	24	27	2.5	17	17	14	315	315	58
	TH08LRKDSOMD	08	G 1/4 A	6	6.0	18.9	22	21.5	14.5	14.0	12	30	29	3.0	22	19	17	315	315	108
	TH10LRKDSOMD	10	G 1/4 A	8	6.0	18.9	22	22.5	15.5	14.0	12	30	30	3.0	22	19	19	315	315	110
	TH12LRKDSOMD	12	G 3/8 A	10	7.5	21.9	27	25.0	18.0	16.5	12	36	33	3.0	27	24	22	315	315	193
	TH15LRKDSOMD	15	G 1/2 A	12	11.0	26.9	32	28.5	21.5	21.5	14	45	37	4.5	32	30	27	315	315	321
	TH18LRKDSOMD	18	G 1/2 A	15	11.0	26.9	32	28.5	21.0	21.5	14	45	37	4.5	32	30	32	315	315	329
	TH22LRKDSOMD	22	G 3/4 A	19	17.0	32.9	41	35.0	27.5	24.0	16	53	44	3.5	41	36	36	160	160	585
	TH28LRKDSOMD	28	G 1 A	24	21.0	39.9	46	39.5	32.0	30.5	18	66	49	3.5	50	46	41	160	160	1090
	TH35LRKDSOMD	35	G 1 1/4 A	30	27.0	49.9	57	46.5	36.0	35.5	20	76	58	3.5	60	55	50	160	160	1765
	TH42LRKDSOMD	42	G 1 1/2 A	36	34.0	55.9	64	51.5	40.5	40.5	22	87	63	3.5	70	60	60	160	160	2545
S	TH06SRKDSOMD	06	G 1/4 A	4	6.0	18.9	22	23.5	16.5	14.0	12	30	31	3.0	22	19	17	400	400	116
	TH08SRKDSOMD	08	G 1/4 A	5	6.0	18.9	22	23.5	16.5	14.0	12	30	31	3.0	22	19	19	400	400	121
	TH10SRKDSOMD	10	G 3/8 A	7	7.5	21.9	27	26.0	18.5	16.5	12	36	35	3.0	27	24	22	400	400	201
	TH12SRKDSOMD	12	G 3/8 A	8	7.5	21.9	27	26.0	18.5	16.5	12	36	35	3.0	27	24	24	400	400	207
	TH14SRKDSOMD	14	G 1/2 A	10	11.0	26.9	32	30.5	22.5	21.5	15	45	40	4.5	32	30	27	400	400	338
	TH16SRKDSOMD	16	G 1/2 A	12	11.0	26.9	32	30.5	22.0	21.5	14	45	40	4.5	32	30	30	315	315	350
	TH20SRKDSOMD	20	G 3/4 A	16	17.0	32.9	41	37.0	26.5	24.0	16	53	48	3.5	41	36	36	315	315	620
	TH25SRKDSOMD	25	G 1 A	20	21.0	39.9	46	43.5	31.5	30.5	18	66	56	3.5	50	46	46	250	250	1124
	TH30SRKDSOMD	30	G 1 1/4 A	25	27.0	49.9	57	50.5	37.0	35.5	20	76	64	3.5	60	55	50	160	160	1830
	TH38SRKDSOMD	38	G 1 1/2 A	32	34.0	55.9	64	57.5	41.5	40.5	22	87	72	3.5	70	60	60	160	160	2721

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		TH16SRKDSOMD	NBR
不锈钢	71	TH16SRKDOMD71	VIT / PTFE

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		TH16SRKDSOMD	NBR
Stainless steel	71	TH16SRKDOMD71	VIT / PTFE

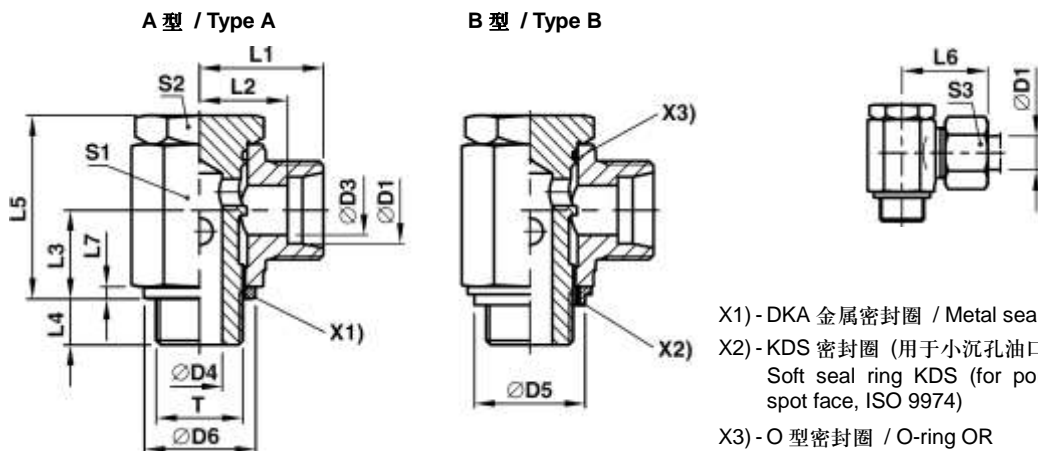
不锈钢接头只能使用 KD 密封圈, 在订货代号中用 KD 替代 KDS。

Stainless Steel only with sealing ring KD available! Replace KDS by KD in the order code.



**SWVE-M 公制螺纹铰接式弯通接头 - 带金属密封圈**

SWVE-M Metric male stud banjo elbow - Metric male stud with metal seal ring



- X1) - DKA 金属密封圈 / Metal seal ring DKA  
 X2) - KDS 密封圈 (用于小沉孔油口, ISO 9974) / Soft seal ring KDS (for ports with small spot face, ISO 9974)  
 X3) - O 型密封圈 / O-ring OR

**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions															公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>	重量 Weight
		D1	T	D3	D4	D6 DKA	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3		
LL	SWVE04LLMOMD	04	M 8x1	3.0	3.0	12.5	14.5	10.5	8.0	6	17.0	20	2.5	12	12	10	63	18
	SWVE06LLMOMD	06	M 10x1	4.5	5.0	14.0	15.5	10.0	10.0	6	21.0	22	2.5	14	14	12	63	29
	SWVE08LLMOMD	08	M 10x1	6.0	5.0	14.0	16.5	11.0	10.0	6	21.0	23	2.5	14	14	14	63	31
L	SWVE06LMOMD	06	M 10x1	4.5	5.0	14.0	15.5	10.5	10.0	6	21.5	25	2.5	14	14	14	160	31
	SWVE08LMOMD	08	M 12x1.5	6.0	6.0	17.0	19.0	12.0	12.0	9	25.0	27	3.0	17	17	17	160	51
	SWVE10LMOMD	10	M 14x1.5	8.0	6.5	19.0	21.0	14.0	13.0	9	27.0	29	3.0	19	19	19	160	68
	SWVE12LMOMD	12	M 16x1.5	10.0	8.5	21.0	22.5	15.5	15.0	9	32.0	30	3.0	22	21	22	100	100
	SWVE15LMOMD	15	M 18x1.5	12.0	11.0	23.0	24.5	17.5	18.0	9	37.5	33	3.0	24	24	27	100	138
	SWVE18LMOMD	18	M 22x1.5	15.0	13.0	27.0	28.0	20.5	21.5	11	44.0	37	4.5	30	27	32	100	241
	SWVE22LMOMD	22	M 26x1.5	19.0	18.0	31.0	33.0	25.5	24.0	13	49.0	42	3.5	36	32	36	100	351
	SWVE28LMOMD	28	M 33x2	24.0	22.0	39.0	39.5	32.0	30.5	14	66.5	49	3.5	50	46	41	100	
	SWVE35LMOMD	35	M 42x2	30.0	29.0	49.0	46.5	36.0	35.5	16	76.0	58	3.5	60	55	50	100	
	SWVE42LMOMD	42	M 48x2	36.0	35.0	55.0	51.5	40.5	40.5	18	86.0	63	3.5	70	60	60	100	
S	SWVE06SMOMD	06	M 12x1.5	4.0	6.0	17.0	21.0	14.0	12.0	9	25.0	29	3.0	17	17	17	160	55
	SWVE08SMOMD	08	M 14x1.5	5.0	6.5	19.0	22.0	15.0	13.0	9	27.0	30	3.0	19	19	19	160	75
	SWVE10SMOMD	10	M 16x1.5	7.0	8.5	21.0	23.5	16.0	15.0	9	32.0	32	3.0	22	22	22	100	106
	SWVE12SMOMD	12	M 18x1.5	8.0	11.0	23.0	24.5	17.0	18.0	9	37.0	33	3.0	24	24	24	100	134
	SWVE14SMOMD	14	M 20x1.5	10.0	10.0	25.0	28.0	20.0	18.0	11	37.0	38	3.0	27	27	27	100	179
	SWVE16SMOMD	16	M 22x1.5	12.0	13.0	27.0	30.0	21.5	21.5	11	44.0	40	4.5	30	27	30	100	252
	SWVE20SMOMD	20	M 27x2	16.0	18.0	32.0	35.0	24.5	24.0	13	49.0	46	3.5	36	32	36	100	363
	SWVE25SMOMD	25	M 33x2	20.0	22.0	39.0	43.5	31.5	30.5	14	66.5	56	3.5	50	46	46	100	
SWVE30SMOMD	30	M 42x2	25.0	29.0	49.0	50.5	37.0	35.5	16	76.0	64	3.5	60	55	50	100		
SWVE38SMOMD	38	M 48x2	32.0	35.0	55.0	57.5	41.5	40.5	18	86.0	72	3.5	70	60	60	100		

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

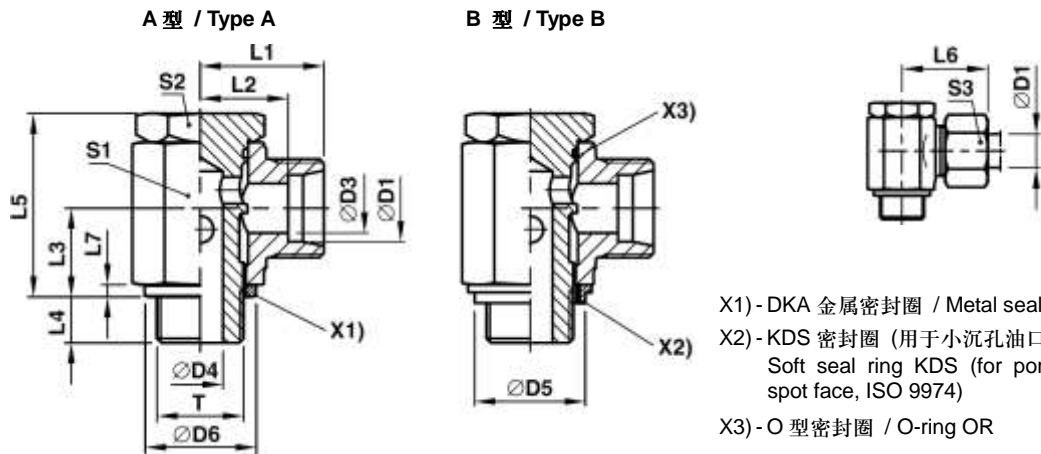
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		SWVE16SMOMD	NBR

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		SWVE16SMOMD	NBR

SWVE-M-KDS 公制螺纹铰接式弯通接头 - 带 KDS 软密封圈

SWVE-M-KDS Metric male stud banjo elbow - Metric male stud with soft seal ring



X1) - DKA 金属密封圈 / Metal seal ring DKA  
 X2) - KDS 密封圈 (用于小沉孔油口, ISO 9974) / Soft seal ring KDS (for ports with small spot face, ISO 9974)  
 X3) - O 型密封圈 / O-ring OR

安装尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions															公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	T	D3	D4	D5 KDS	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3	71	g	
LL	SWVE04LLMKDSOMD	04	M 8x1	3.0	3.0		14.5	10.5	8.0	6	17.0	20	2.5	12	12	10	63	18	
	SWVE06LLMKDSOMD	06	M 10x1	4.5	5.0	15	15.5	10.0	10.0	6	21.0	22	2.5	14	14	12	63	29	
	SWVE08LLMKDSOMD	08	M 10x1	6.0	5.0	15	16.5	11.0	10.0	6	21.0	23	2.5	14	14	14	63	31	
L	SWVE06LMKDSOMD	06	M 10x1	4.5	5.0	15	15.5	10.5	10.0	6	21.5	25	2.5	14	14	14	160	31	
	SWVE08LMKDSOMD	08	M 12x1.5	6.0	6.0	17	19.0	12.0	12.0	9	25.0	27	3.0	17	17	17	160	51	
	SWVE10LMKDSOMD	10	M 14x1.5	8.0	6.5	19	21.0	14.0	13.0	9	27.0	29	3.0	19	19	19	160	68	
	SWVE12LMKDSOMD	12	M 16x1.5	10.0	8.5	22	22.5	15.5	15.0	9	32.0	30	3.0	22	21	22	100	100	
	SWVE15LMKDSOMD	15	M 18x1.5	12.0	11.0	24	24.5	17.5	18.0	9	37.0	33	3.0	24	24	27	100	138	
	SWVE18LMKDSOMD	18	M 22x1.5	15.0	13.0	27	28.0	20.5	21.5	11	44.5	37	4.5	30	27	32	100	241	
	SWVE22LMKDSOMD	22	M 26x1.5	19.0	18.0	32	33.0	25.5	24.0	13	49.0	42	3.5	36	32	36	100	351	
	SWVE28LMKDSOMD	28	M 33x2	24.0	22.0	40	39.5	32.0	30.5	14	66.5	49	3.5	50	46	41	100		
	SWVE35LMKDSOMD	35	M 42x2	30.0	29.0	50	46.5	36.0	35.5	16	76.0	58	3.5	60	55	50	100		
	SWVE42LMKDSOMD	42	M 48x2	36.0	35.0	56	51.5	40.5	40.5	18	86.0	63	3.5	70	60	60	100		
S	SWVE06SMKDSOMD	06	M 12x1.5	4.0	6.0	17	21.0	14.0	12.0	9	25.0	29	3.0	17	17	17	160	55	
	SWVE08SMKDSOMD	08	M 14x1.5	5.0	6.5	19	22.0	15.0	13.0	9	27.0	30	3.0	19	19	19	160	75	
	SWVE10SMKDSOMD	10	M 16x1.5	7.0	8.5	22	23.5	16.0	15.0	9	32.0	32	3.0	22	22	22	100	106	
	SWVE12SMKDSOMD	12	M 18x1.5	8.0	9.0	24	24.5	17.0	18.0	9	37.0	33	3.0	24	24	24	100	134	
	SWVE14SMKDSOMD	14	M 20x1.5	10.0	10.0		28.0	20.0	18.0	11	37.0	38	3.0	27	27	27	100	179	
	SWVE16SMKDSOMD	16	M 22x1.5	12.0	13.0	27	30.0	21.5	21.5	11	44.5	40	4.5	30	27	30	100	252	
	SWVE20SMKDSOMD	20	M 27x2	16.0	18.0	33	35.0	24.5	24.0	13	49.0	46	3.5	36	32	36	100	363	
	SWVE25SMKDSOMD	25	M 33x2	20.0	22.0	40	43.5	31.5	30.5	14	66.5	56	3.5	50	46	46	100		
	SWVE30SMKDSOMD	30	M 42x2	25.0	29.0	50	50.5	37.0	35.5	16	76.0	64	3.5	60	55	50	100		
	SWVE38SMKDSOMD	38	M 48x2	32.0	35.0	56	57.5	41.5	40.5	18	86.0	72	3.5	70	60	60	100		

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

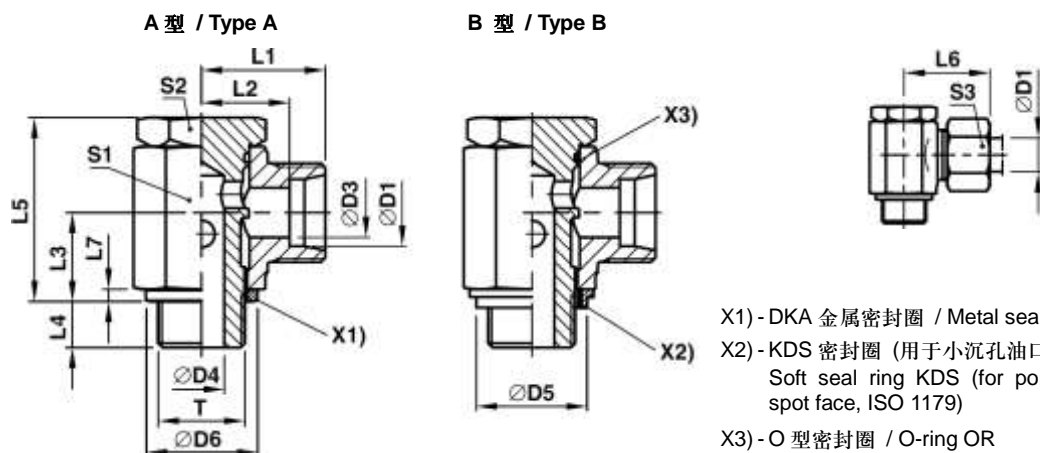
材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		SWVE16SMKDSOMD	NBR

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		SWVE16SMKDSOMD	NBR



**SWVE-R 英制直管螺纹(G)铰接式弯通接头 - 带金属密封圈**

SWVE-R BSPP(G) male stud banjo elbow - BSPP male stud with metal seal ring



- X1) - DKA 金属密封圈 / Metal seal ring DKA  
 X2) - KDS 密封圈 (用于小沉孔油口, ISO 1179) / Soft seal ring KDS (for ports with small spot face, ISO 1179)  
 X3) - O 型密封圈 / O-ring OR

**安装尺寸 / Dimensions**

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions															公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>	重量 Weight
		D1	T	D3	D4	D6 DKA	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3		
LL	SWVE04LLROMD	04	G 1/8 A	3.0	5.0	14	15.5	11.5	10.0	6	21.0	21	2.5	14	14	10	63	28
	SWVE06LLROMD	06	G 1/8 A	4.5	5.0	14	15.5	10.0	10.0	6	21.5	22	2.5	14	14	12	63	28
	SWVE08LLROMD	08	G 1/8 A	6.0	5.0	14	16.5	11.0	10.0	6	21.0	23	2.5	14	14	14	63	30
L	SWVE06LROMD	06	G 1/8 A	4.5	5.0	14	17.5	10.5	10.0	6	21.0	25	2.5	14	14	14	160	31
	SWVE08LROMD	08	G 1/4 A	6.0	6.5	18	20.0	13.0	13.0	9	27.0	28	3.0	19	19	17	160	65
	SWVE10LROMD	10	G 1/4 A	8.0	6.5	18	21.0	14.0	13.0	9	27.0	29	3.0	19	19	19	160	66
	SWVE12LROMD	12	G 3/8 A	10.0	8.5	22	22.5	15.5	15.0	9	32.0	30	3.0	22	22	22	100	102
	SWVE15LROMD	15	G 1/2 A	12.0	11.0	26	26.0	19.0	18.0	9	37.5	34	3.0	27	27	27	100	171
	SWVE18LROMD	18	G 1/2 A	15.0	13.0	26	28.0	20.5	21.5	11	44.5	37	4.5	30	27	32	100	249
	SWVE22LROMD	22	G 3/4 A	19.0	18.0	32	33.0	25.5	24.0	13	49.0	42	3.5	36	32	36	100	349
	SWVE28LROMD	28	G 1 A	24.0	22.0	39	39.5	32.0	30.5	14	66.5	49	3.5	50	46	41	100	
	SWVE35LROMD	35	G 1 1/4 A	30.0	29.0	49	46.5	36.0	35.5	16	76.0	58	3.5	60	55	50	100	
	SWVE42LROMD	42	G 1 1/2 A	36.0	35.0	55	51.5	40.5	40.5	18	86.0	63	3.5	70	60	60	100	
	S	SWVE06SROMD	06	G 1/4 A	4.0	6.5	18	22.0	15.0	13.0	9	27.0	30	3.0	19	19	17	160
SWVE08SROMD		08	G 1/4 A	5.0	6.5	18	22.0	15.0	13.0	9	27.0	30	3.0	19	19	19	160	73
SWVE10SROMD		10	G 3/8 A	7.0	8.5	22	23.5	16.0	15.0	9	32.0	32	3.0	22	22	22	100	108
SWVE12SROMD		12	G 3/8 A	8.0	9.0	22	24.5	17.0	18.0	9	37.0	33	3.0	24	24	24	100	147
SWVE14SROMD		14	G 1/2 A	10.0	11.0	26	28.0	20.0	18.0	11	37.5	38	4.5	27	27	27	100	177
SWVE16SROMD		16	G 1/2 A	12.0	13.0	26	30.0	21.5	21.5	11	44.5	40	4.5	30	27	30	100	249
SWVE20SROMD		20	G 3/4 A	16.0	18.0	32	35.0	24.5	24.0	13	49.0	46	3.5	36	32	36	100	359
SWVE25SROMD		25	G 1 A	20.0	22.0	39	43.5	31.5	30.5	14	66.5	56	3.5	50	46	46	100	
SWVE30SROMD		30	G 1 1/4 A	25.0	29.0	49	50.5	37.0	35.5	16	76.0	64	3.5	60	55	50	100	
SWVE38SROMD	38	G 1 1/2 A	32.0	35.0	55	57.5	41.5	40.5	18	86.0	72	3.5	70	60	60	100		

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

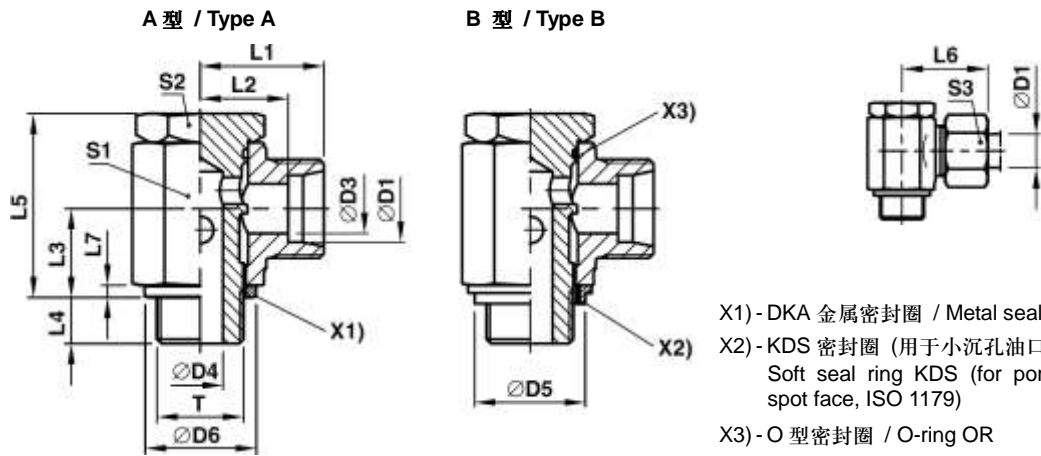
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		SWVE16SROMD	NBR

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		SWVE16SROMD	NBR

SWVE-R-KDS 英制直管螺纹(G)铰接式弯通接头 - 带 KDS 软密封圈

SWVE-R-KDS BSPP(G) male stud banjo elbow - BSPP male stud with KDS soft seal ring



X1) - DKA 金属密封圈 / Metal seal ring DKA  
 X2) - KDS 密封圈 (用于小沉孔油口, ISO 1179) / Soft seal ring KDS (for ports with small spot face, ISO 1179)  
 X3) - O 型密封圈 / O-ring OR

安装尺寸 / Dimensions

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions															公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	T	D3	D4	D5 KDS	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3	71	g	
LL	SWVE04LLRKDSOMD	04	G 1/8 A	3.0	5.0		15.5	11.5	10.0	6	21.0	21	2.5	14	14	10	63	28	
	SWVE06LLRKDSOMD	06	G 1/8 A	4.5	5.0	15	15.5	10.0	10.0	6	21.5	22	2.5	14	14	12	63	28	
	SWVE08LLRKDSOMD	08	G 1/8 A	6.0	5.0	15	16.5	11.0	10.0	6	21.0	23	2.5	14	14	14	63	30	
L	SWVE06LRKDSOMD	06	G 1/8 A	4.5	5.0	15	17.5	10.5	10.0	6	21.0	25	2.5	14	14	14	160	31	
	SWVE08LRKDSOMD	08	G 1/4 A	6.0	6.5	17	20.0	13.0	13.0	9	27.0	28	3.0	19	19	17	160	65	
	SWVE10LRKDSOMD	10	G 1/4 A	8.0	6.5	19	21.0	14.0	13.0	9	27.0	29	3.0	19	19	19	160	66	
	SWVE12LRKDSOMD	12	G 3/8 A	10.0	8.5	22	22.5	15.5	15.0	9	32.0	30	3.0	22	22	22	100	102	
	SWVE15LRKDSOMD	15	G 1/2 A	12.0	11.0	24	26.0	19.0	18.0	9	37.5	34	3.0	27	27	27	100	171	
	SWVE18LRKDSOMD	18	G 1/2 A	15.0	13.0	27	28.0	20.5	21.5	11	44.5	37	4.5	30	27	32	100	249	
	SWVE22LRKDSOMD	22	G 3/4 A	19.0	18.0	32	33.0	25.5	24.0	13	49.0	42	3.5	36	32	36	100	349	
	SWVE28LRKDSOMD	28	G 1 A	24.0	22.0	40	39.5	32.0	30.5	14	66.5	49	3.5	50	46	41	100		
	SWVE35LRKDSOMD	35	G 1 1/4 A	30.0	29.0	50	46.5	36.0	35.5	16	76.0	58	3.5	60	55	50	100		
SWVE42LRKDSOMD	42	G 1 1/2 A	36.0	35.0	56	51.5	40.5	40.5	18	86.0	63	3.5	70	60	60	100			
S	SWVE06SRKDSOMD	06	G 1/4 A	4.0	6.5	17	22.0	15.0	13.0	9	27.0	30	3.0	19	19	17	160	69	
	SWVE08SRKDSOMD	08	G 1/4 A	5.0	6.5	19	22.0	15.0	13.0	9	27.0	30	3.0	19	19	19	160	73	
	SWVE10SRKDSOMD	10	G 3/8 A	7.0	8.5	22	23.5	16.0	15.0	9	32.0	32	3.0	22	22	22	100	108	
	SWVE12SRKDSOMD	12	G 3/8 A	8.0	9.0	24	24.5	17.0	18.0	9	37.0	33	3.0	24	24	24	100	147	
	SWVE14SRKDSOMD	14	G 1/2 A	10.0	11.0		28.0	20.0	18.0	11	37.5	38	4.5	27	27	27	100	177	
	SWVE16SRKDSOMD	16	G 1/2 A	12.0	13.0	27	30.0	21.5	21.5	11	44.5	40	4.5	30	27	30	100	249	
	SWVE20SRKDSOMD	20	G 3/4 A	16.0	18.0	33	35.0	24.5	24.0	13	49.0	46	3.5	36	32	36	100	359	
	SWVE25SRKDSOMD	25	G 1 A	20.0	22.0	40	43.5	31.5	30.5	14	66.5	56	3.5	50	46	46	100		
	SWVE30SRKDSOMD	30	G 1 1/4 A	25.0	29.0	50	50.5	37.0	35.5	16	76.0	64	3.5	60	55	50	100		
SWVE38SRKDSOMD	38	G 1 1/2 A	32.0	35.0	56	57.5	41.5	40.5	18	86.0	72	3.5	70	60	60	100			

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

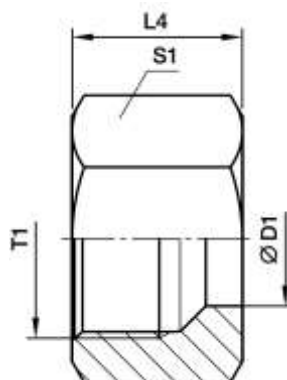
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		SWVE16SRKDSOMD	NBR

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		SWVE16SRKDSOMD	NBR

## M 型压紧螺母

M Nut



## 尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions				公称压力 <sup>1)</sup> PN / bar <sup>1)</sup>			重量 Weight
		D1	T1	L4	S1		71	MS	g
LL	M04LL	04	M 8x1	11.0	10	100	100	63	4
	M06LL	06	M 10x1	11.5	12	100	100	63	6
	M08LL	08	M 12x1	12.0	14	100	100	63	7
	M10LL	10	M 14x1	12.5	17	100	100	63	11
	M12LL	12	M 16x1	13.0	19	100	100	63	13
L	M06L	06	M 12x1.5	14.5	14	500	315	200	10
	M08L	08	M 14x1.5	14.5	17	500	315	200	15
	M10L	10	M 16x1.5	15.5	19	500	315	200	18
	M12L	12	M 18x1.5	15.5	22	400	315	200	25
	M15L	15	M 22x1.5	17.0	27	400	315	200	42
	M18L	18	M 26x1.5	18.0	32	400	315	200	62
	M22L	22	M 30x2	20.0	36	250	160	100	82
	M28L	28	M 36x2	21.0	41	250	160	100	89
	M35L	35	M 45x2	24.0	50	250	160	100	137
M42L	42	M 52x2	24.0	60	250	160	100	216	
S	M06S	06	M 14x1.5	16.5	17	800	630	400	17
	M08S	08	M 16x1.5	16.5	19	800	630	400	20
	M10S	10	M 18x1.5	17.5	22	800	630	400	31
	M12S	12	M 20x1.5	17.5	24	630	630	400	34
	M14S	14	M 22x1.5	20.5	27	630	630	400	53
	M16S	16	M 24x1.5	20.5	30	630	400	250	66
	M20S	20	M 30x2	24.0	36	420	400	250	102
	M25S	25	M 36x2	27.0	46	420	400	250	202
	M30S	30	M 42x2	29.0	50	420	400	250	219
M38S	38	M 52x2	32.5	60	420	315	200	339	

<sup>1)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

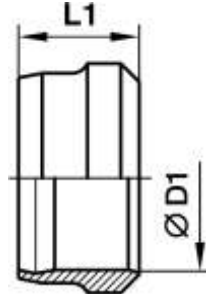
材料	材料及表面处理后缀	示例
碳钢，无六价铬镀锌		M16SX
不锈钢	71	M16S71X
黄铜	MS	M16SMSX

Please add the suffixes below according to the material and surface required:

material	Suffix	Example
Steel, zinc plated, Cr(VI)-free		M16SX
Stainless steel	71	M16S71X
Brass	MS	M16SMSX

## D 型卡套

D Cutting ring



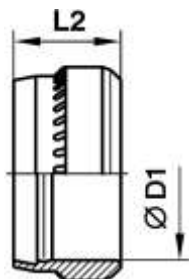
D 型 / Type D

## 尺寸 / Dimensions

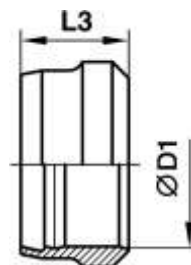
mm

系列 series	规格 Size	D 型卡套 D Cutting Ring							重量 Weight	
		碳钢, 镀锌无 Cr(VI)钝化 Steel, zinc plated Cr(VI) free		不锈钢 Stainless Steel		黄铜 Brass		L1		g
		订货代号 Order Code	PN <sup>1)</sup>	订货代号 Order Code	PN <sup>1)</sup>	订货代号 Order Code	PN <sup>1)</sup>			
LL	04	D04LLX	100	D04LL71X	100	D04LLMSX	63	6.0	0.3	
	06	D06LLX	100	D06LL71X	100	D06LLMSX	63	7.0	0.8	
	08	D08LLX	100	D08LL71X	100	D08LLMSX	63	7.0	1.0	
	10	D10LLX	100	D10LL71X	100	D10LLMSX	63	7.0	1.3	
	12	D12LLX	100	D12LL71X	100	D12LLMSX	63	7.5	1.6	
L	06	-	-	-	-	D06LMSX	200	9.5	1.7	
	08	-	-	-	-	D08LMSX	200	9.0	2.2	
	10	-	-	-	-	D10LMSX	200	10.0	3.1	
	12	-	-	-	-	D12LMSX	200	10.0	3.5	
	15	-	-	-	-	D15LMSX	200	10.0	4.5	
	18	-	-	-	-	D18LMSX	200	10.0	5.5	
	22	-	-	-	-	D22LMSX	100	10.5	7.3	
	28	-	-	-	-	D28LMSX	100	10.5	9.4	
	35	-	-	-	-	D35LMSX	100	13.0	20.0	
	42	-	-	-	-	D42LMSX	100	13.5	23.0	
S	06	-	-	-	-	D06SMSX	400	9.5	1.7	
	08	-	-	-	-	D08SMSX	400	9.0	3.2	
	10	-	-	-	-	D10SMSX	400	10.0	3.1	
	12	-	-	-	-	D12SMSX	400	10.0	3.5	
	14	-	-	-	-	D14SMSX	400	10.0	3.9	
	16	-	-	-	-	D16SMSX	250	10.5	5.6	
	20	-	-	-	-	D20SMSX	250	12.5	11.4	
	25	-	-	-	-	D25SMSX	250	12.5	13.3	
	30	-	-	-	-	D30SMSX	250	13.0	19.3	
	38	-	-	-	-	D38SMSX	200	13.5	22.5	

<sup>1)</sup> 标有压力值, 表明该项产品有供货。<sup>1)</sup> Pressure shown means the item deliverable.

DPR / PSR 型渐止式卡套 -  
 DPR / PSR Progressive stop ring


PSR 型 / Type PSR



DPR 型 / Type DPR

## 尺寸 / Dimensions

mm

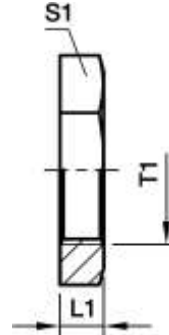
系列 series	规格 Size	PSR 型卡套 PSR Progressive stop ring			DPR 型卡套 DPR Progressive stop ring			重量 Weight
		碳钢, 镀锌无 Cr(VI)钝化 Steel, zinc plated Cr(VI) free			不锈钢 Stainless Steel			
	D1	订货代号 Order Code	PN <sup>1)</sup>	L2	订货代号 Order Code	PN <sup>1)</sup>	L3	g
L	06	PSR06LX	500	9.5	DPR06L71X	315	9.0	1.7
	08	PSR08LX	500	9.5	DPR08L71X	315	9.0	2.2
	10	PSR10LX	500	10.0	DPR10L71X	315	9.5	3.1
	12	PSR12LX	400	10.0	DPR12L71X	315	9.8	3.5
	15	PSR15LX	400	10.0	DPR15L71X	315	9.5	4.5
	18	PSR18LX	400	10.0	DPR18L71X	315	9.5	5.5
	22	PSR22LX	250	10.5	DPR22L71X	160	10.5	7.3
	28	PSR28LX	250	10.5	DPR28L71X	160	11.0	9.4
	35	PSR35LX	250	13.0	DPR35L71X	160	13.5	20.0
42	PSR42LX	250	13.0	DPR42L71X	160	13.5	23.0	
S	06	PSR06SX	800	9.5	DPR06S71X	630	9.0	1.7
	08	PSR08SX	800	9.5	DPR08S71X	630	9.0	3.2
	10	PSR10SX	800	10.0	DPR10S71X	630	9.5	3.1
	12	PSR12SX	630	10.0	DPR12S71X	630	9.8	3.5
	14	PSR14SX	630	10.0	DPR14S71X	630	9.5	3.9
	16	PSR16SX	630	10.0	DPR16S71X	400	9.5	5.6
	20	PSR20SX	420	13.0	DPR20S71X	400	12.5	11.4
	25	PSR25SX	420	13.0	DPR25S71X	400	12.5	13.3
	30	PSR30SX	420	13.0	DPR30S71X	400	12.5	19.3
38	PSR38SX	420	13.0	DPR38S71X	315	13.0	22.5	

管接头系列 / Fitting Series

GM 隔壁通用锁紧螺母 / GM Locknut for Bulkheads



GM 隔壁通用锁紧螺母 - SV 及 WSV 隔壁通管接头用  
GM Locknut for bulkheads - for bulkhead SV and WSV

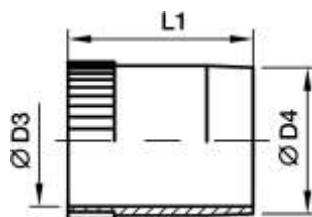


尺寸 / Dimensions

mm

系列 series	规格 Size	订货代号 Order Code			尺寸 Dimensions			重量 Weight
	管子外径 Tube O.D.	碳钢, 镀锌无 Cr(VI)钝化 Steel, zinc plated Cr(VI) free	不锈钢 Stainless Steel	黄铜 Brass	T1	L1	S1	g
L	06	GM06LX	GM06L71X	GM06LMSX	M 12x1.5	6	17	7
	08	GM08LX	GM08L71X	GM08LMSX	M 14x1.5	6	19	8
	10	GM10LX	GM10L71X	GM10LMSX	M 16x1.5	6	22	11
	12	GM12LX	GM12L71X	GM12LMSX	M 18x1.5	6	24	12
	15	GM15LX	GM15L71X	GM15LMSX	M 22x1.5	7	30	23
	18	GM18LX	GM18L71X	GM18LMSX	M 26x1.5	8	36	37
	22	GM22LX	GM22L71X	GM22LMSX	M 30x2	8	41	46
	28	GM28LX	GM28L71X	GM28LMSX	M 36x2	9	46	58
	35	GM35LX	GM35L71X	GM35LMSX	M 45x2	9	55	71
	42	GM42LX	GM42L71X	GM42LMSX	M 52x2	10	65	123
S	06	GM08LX	GM08L71X	GM08LMSX	M 14x1.5	6	19	8
	08	GM10LX	GM10L71X	GM10LMSX	M 16x1.5	6	22	11
	10	GM12LX	GM12L71X	GM12LMSX	M 18x1.5	6	24	12
	12	GM12SX	GM12S71X	GM12SMSX	M 20x1.5	6	27	15
	14	GM15LX	GM15L71X	GM15LMSX	M 22x1.5	7	30	23
	16	GM16SX	GM16S71X	GM16SMSX	M 24x1.5	7	32	24
	20	GM22LX	GM22L71X	GM22LMSX	M 30x2	8	41	46
	25	GM28LX	GM28L71X	GM28LMSX	M 36x2	9	46	58
	30	GM30SX	GM30S71X	GM30SMSX	M 42x2	9	50	58
	38	GM42LX	GM42L71X	GM42LMSX	M 52x2	10	65	123

VH 支承衬套 - 薄壁金属管支承用  
VH Support sleeve - for thin-walled metal tubing



尺寸 / Dimensions

mm

规格 Size	订货代号 Order Code			尺寸 Dimensions			重量 Weight
	碳钢, 镀锌无 Cr(VI)钝化 Steel, zinc plated Cr(VI) free	不锈钢 Stainless Steel	黄铜 Brass	D3	D4	L1	g
4.0	VH04X	VH0471X	VH04MSX	2.6	3.8	14.0	0.7
4.5	VH04.5X	VH04.571X	VH04.5MSX	3.1	4.3	14.0	0.8
5.0	VH05X	VH0571X	VH05MSX	3.6	4.8	14.0	0.8
6.0	VH06X	VH0671X	VH06MSX	4.6	5.8	14.0	1.0
6.5	VH06.5X	VH06.571X	VH06.5MSX	5.1	6.3	14.0	1.0
7.0	VH07X	VH0771X	VH07MSX	5.6	6.8	15.5	1.3
8.0	VH08X	VH0871X	VH08MSX	6.6	7.8	15.5	1.6
9.0	VH09X	VH0971X	VH09MSX	7.6	8.8	15.5	1.8
10.0	VH10X	VH1071X	VH10MSX	8.6	9.8	15.5	2.1
10.5	VH10.5X	VH10.571X	VH10.5MSX	9.1	10.3	15.5	2.3
11.0	VH11X	VH1171X	VH11MSX	9.6	10.8	15.5	2.6
12.0	VH12X	VH1271X	VH12MSX	10.2	11.8	17.0	3.7
13.0	VH13X	VH1371X	VH13MSX	11.2	12.8	17.0	3.9
14.0	VH14X	VH1471X	VH14MSX	12.2	13.8	17.0	4.3
15.0	VH15X	VH1571X	VH15MSX	13.2	14.8	20.0	5.7
16.0	VH16X	VH1671X	VH16MSX	14.2	15.8	20.0	5.8
17.0	VH17X	VH1771X	VH17MSX	15.2	16.8	20.0	6.3
18.0	VH18X	VH1871X	VH18MSX	16.2	17.8	20.0	6.3
19.0	VH19X	VH1971X	VH19MSX	17.2	18.8	16.0	5.8
20.0	VH20X	VH2071X	VH20MSX	18.2	19.8	21.5	7.9
21.0	VH21X	VH2171X	VH21MSX	19.2	20.8	21.5	8.0
22.0	VH22X	VH2271X	VH22MSX	20.2	21.8	23.5	9.7
23.0	VH23X	VH2371X	VH23MSX	21.2	22.8	23.5	10.6
24.0	VH24X	VH2471X	VH24MSX	22.2	23.8	23.5	11.1
25.0	VH25X	VH2571X	VH25MSX	23.2	24.8	23.5	10.8
26.0	VH26X	VH2671X	VH26MSX	24.2	25.8	23.5	12.7
27.0	VH27X	VH2771X	VH27MSX	25.2	26.8	23.5	12.2
30.0	VH30X	VH3071X	VH30MSX	27.8	29.8	26.5	18.7
31.0	VH31X	VH3171X	VH31MSX	28.8	30.8	26.5	20.7
32.0	VH32X	VH3271X	VH32MSX	29.8	31.8	26.5	19.2
33.0	VH33X	VH3371X	VH33MSX	30.8	32.8	26.5	19.9
34.0	VH34X	VH3471X	VH34MSX	31.8	33.8	26.5	26.5
38.0	VH38X	VH3871X	VH38MSX	35.8	37.8	21.0	19.7
39.0	VH39X	VH3971X	VH39MSX	36.8	38.8	21.0	19.5



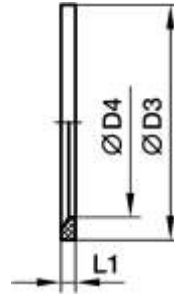
**ED 异型弹性密封圈 - BSPP(G) 及公制直管螺纹管接头端面密封用**  
 ED Eolastic soft seal - for BSPP(G) and metric parallel threads

适用管接头型式:

GE...ED, EGE...ED, EVGE...ED, EW...ED, EV...ED  
 ET...ED, EL...ED, VSTI...ED, RI...ED

For Type:

GE...ED, EGE...ED, EVGE...ED, EW...ED, EV...ED  
 ET...ED, EL...ED, VSTI...ED, RI...ED



尺寸 / Dimensions

mm

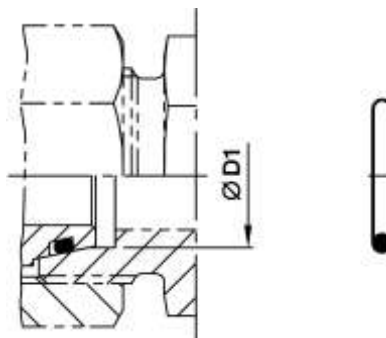
管接头拧入端螺纹 Male Stud Thread		订货代号 Order Code		尺寸 Dimensions			重量 Weight
T1 公制 / Metric	T1 英制 / BSPP (G)	丁腈橡胶 / NBR	氟橡胶 / FKM	D3	D4	L1	g
M 8x1		ED8x1X	ED8x1VITX	9.9	6.5	1.0	0.1
M 10x1	G 1/8 A	ED10x1X	ED10x1VITX	11.9	8.4	1.0	0.1
M 12x1.5		ED12x1.5X	ED12x1.5VITX	14.4	9.8	1.5	0.2
M 14x1.5	G 1/4 A	ED14x1.5X	ED14x1.5VITX	16.5	11.6	1.5	0.2
M 16x1.5		ED16x1.5X	ED16x1.5VITX	18.9	13.8	1.5	0.1
	G 3/8 A	ED3/8X	ED3/8VITX	18.9	14.7	1.5	0.2
M 18x1.5		ED18x1.5X	ED18x1.5VITX	20.9	15.7	1.5	0.1
M 20x1.5		ED20x1.5X	ED20x1.5VITX	22.9	17.8	1.5	0.2
	G 1/2 A	ED1/2X	ED1/2VITX	23.9	18.5	1.5	0.3
M 22x1.5		ED22x1.5X	ED22x1.5VITX	24.3	19.6	1.5	0.2
M 26x1.5	G 3/4 A	ED26x1.5X	ED26x1.5VITX	29.2	23.9	1.5	0.4
M 27x2	G 3/4 A	ED26x1.5X	ED26x1.5VITX	29.2	23.9	1.5	0.4
M 33x2	G 1 A	ED33x2X	ED33x2VITX	35.7	29.7	2.0	0.7
M 42x2	G 1 1/4 A	ED42x2X	ED42x2VITX	45.8	38.8	2.0	0.9
M 48x2	G 1 1/2 A	ED48x2X	ED48x2VITX	50.7	44.7	2.0	1.0

**OR O 型密封圈 - 带 24° 锥面密封转向接头用**  
 OR O-Ring - for fittings with EO 24° DKO swivel

适用管接头型式:

 DA, EGE, EGEO, MAVE, EW, EV, ET, EL, RED, GZ, GZR,  
 VKA, VKAM

For Type:

 DA, EGE, EGEO, MAVE, EW, EV, ET, EL, RED, GZ, GZR,  
 VKA, VKAM


mm

系列 series	规格 Size	订货代号 Order Code	
	D1	丁腈橡胶 (肖氏硬度约 90) NBR (Shore-hardness approx. 90)	氟橡胶 (肖氏硬度约 90) FKM (Shore-hardness approx. 90)
L	6	OR4.5x1.5X	OR4.5x1.5VITX
	8	OR6.5x1.5X	OR6.5x1.5VITX
	10	OR8x1.5X	OR8x1.5VITX
	12	OR10x1.5X	OR10x1.5VITX
	15	OR12x2X	OR12x2VITX
	18	OR15x2X	OR15x2VITX
	22	OR20x2X	OR20x2VITX
	28	OR26x2X	OR26x2VITX
	35	OR32x2.5X	OR32x2.5VITX
	42	OR38x2.5X	OR38x2.5VITX
S	6	OR4.5x1.5X	OR4.5x1.5VITX
	8	OR6.5x1.5X	OR6.5x1.5VITX
	10	OR8x1.5X	OR8x1.5VITX
	12	OR10x1.5X	OR10x1.5VITX
	14	OR11x2X	OR11x2VITX
	16	OR13x2X	OR13x2VITX
	20	OR16.3x2.4X	OR16.3x2.4VITX
	25	OR20.3x2.4X	OR20.3x2.4VITX
	30	OR25.3x2.4X	OR25.3x2.4VITX
	38	OR33.3x2.4X	OR33.3x2.4VITX

## 管接头系列 / Fitting Series

OR O 型密封圈 / OR O-Ring



### OR O 型密封圈 - 管接头拧入端密封用

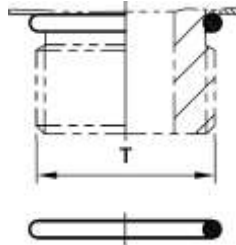
OR O-Ring - for male stud ends

适用管接头拧入端螺纹型式:

- 型圈密封公制螺纹油口 (符合 ISO 6149)
- 型圈密封美制 UN/UNF 螺纹油口 (符合 ISO 11926)

For male stud thread:

- Male metric thread - O-ring (ISO 6149)
- Male UN/UNF thread - O-ring (ISO 11926)



公制螺纹拧入端管接头 / Types with metric thread:  
VSTI-OR, GEO, EGEO

T	订货代号 / Order Code	
	丁腈橡胶 / NBR	氟橡胶 / FKM
M 8x1	OR6.1x1.6	OR6.1x1.6VITX
M 10x1	OR8.1x1.6	OR8.1x1.6VITX
M 12x1.5	OR9.3x2.2	OR9.3x2.2VITX
M 14x1.5	OR11.3x2.2	OR11.3x2.2VITX
M 16x1.5	OR13.3x2.2	OR13.3x2.2VITX
M 18x1.5	OR15.3x2.2	OR15.3x2.2VITX
M 22x1.5	OR19.3x2.2	OR19.3x2.2VITX
M 27x2	OR23.6x2.9	OR23.6x2.9VITX
M 33x2	OR29.6x2.9	OR29.6x2.9VITX
M 42x2	OR38.6x2.9	OR38.6x2.9VITX
M 48x2	OR44.6x2.9	OR44.6x2.9VITX

美制 UN/UNF 螺纹拧入端管接头 / Types with UN/UNF thread:  
GE-UNF

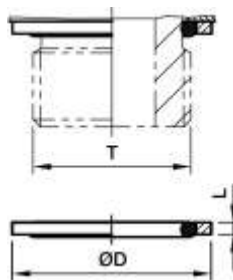
T	订货代号 / Order Code	
	丁腈橡胶 / NBR	氟橡胶 / FKM
7/16-20 UNF	OR8.92x1.83	OR8.92x1.83VITX
9/16-18 UNF	OR11.89x1.98	OR11.89x1.98VITX
3/4-16 UNF	OR16.36x2.21	OR16.36x2.21VITX
7/8-14 UNF	OR19.18x2.46	OR19.18x2.46VITX
1 1/16-12 UN	OR23.47x2.95	OR23.47x2.95VITX
1 5/16-12 UN	OR29.74x2.95	OR29.74x2.95VITX
1 5/8-12 UN	OR37.46x3	OR37.46x3VITX
1 7/8-12 UN	OR43.69x3	OR43.69x3VITX

适用管接头拧入端螺纹型式:

可调转向 BSPP 螺纹+挡圈 (符合 ISO 1179)

For male stud thread:

Adjustable BSPP thread - O-ring + retaining ring (ISO 1179)



适用管接头型式 / Types with BSPP thread:

WEE-R, TEE-R, LEE-R

螺纹 Thread T	碳钢接头 / Steel Fittings				不锈钢接头 / Stainless Steel Fittings			
	订货代号 / Order Code		D	L	订货代号 / Order Code		D	L
	O 型圈 / O-ring (NBR)	挡圈 / Retaining ring			O 型圈 / O-ring (FKM)	挡圈 / Retaining ring (不锈钢 / Stainless steel)		
G 1/8 A	OR8x1.88X	RRS1/8	14.8	1.4	OR8x1.88VITX	8207SS1/8	15.0	1.4
G 1/4 A	OR10.77x2.62X	RRS1/4	19.8	1.9	OR10.77x2.62VITX	8207SS1/4A	19.5	1.9
G 3/8 A	OR13.94x2.62X	RRS3/8	22.8	2.0	OR13.94x2.62VITX	8207SS3/8A	23.5	1.9
G 1/2 A	OR17.96x2.62X	RRS1/2	27.8	2.6	OR17.96x2.62VITX	8207SS1/2	28.5	1.9
G 3/4 A	OR23.47x2.62X	RRS3/4	32.8	2.5	OR23.47x2.62VITX	8207SS3/4	34.5	1.9
G 1 A	OR29.74x3.53X	RRS1	40.8	2.5	OR29.74x3.53VITX	8207SS1A	43.5	2.6
G 1 1/4 A	OR37.69x3.53X	RRS11/4	50.8	2.6	OR37.69x3.53VITX	8207SS1 1/4	52.5	2.6
G 1 1/2 A	OR44.04x3.53X	RRS11/2	55.8	2.6	OR44.04x3.53VITX	8207SS1 1/2	60.0	2.6

**OR O 型密封圈 - 管接头拧入端密封用**

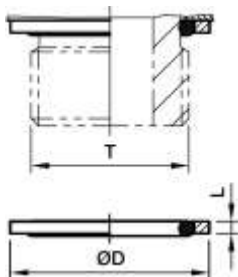
OR O-Ring - for male stud ends

适用管接头拧入端螺纹型式:

可调节 BSPP 螺纹+保持环 (符合 ISO 1179)

For male stud thread:

Adjustable BSPP thread - O-ring + retaining ring (ISO 1179)



适用管接头型式 / Types with BSPP thread:

WEE-M, TEE-M, LEE-M

螺纹 Thread T	碳钢接头 / Steel Fittings				不锈钢接头 / Stainless Steel Fittings			
	订货代号 / Order Code		D	L	订货代号 / Order Code		D	L
	O 型圈 / O-ring (NBR)	挡圈 / Retaining ring			O 型圈 / O-ring (FKM)	挡圈 / Retaining ring (不锈钢 / Stainless steel)		
M 10x1	OR8x1.88X	RRSM10	14.8	1.4	OR8x1.5VITX	RRM10x1SS	14.8	1.0
M 12x1.5	OR9.3x2.2X	RRSM12	17.8	1.6	OR9.25x1.78VITX	RRM12x1.5SS	17.8	1.3
M 14x1.5	OR11.3x2.2X	RRSM14	19.8	1.6	OR11x2VITX	RRM14x1.5SS	19.8	1.3
M 16x1.5	OR13.3x2.2X	RRSM16	22.8	1.6	OR13.4x2.1VITX	RRM16x1.5SS	21.8	1.5
M 18x1.5	OR15.54x2.62X	RRSM18	24.8	2.1	OR15.54x2.62VITX	RRM18x1.5SS	23.8	2.0
M 22x1.5	OR19.3x2.2X	RRSM22	27.8	1.8	OR18.77x1.78VITX	RRM22x1.5SS	27.8	1.3
M 27x2	OR23x3X	RRSM27	32.8	2.3	OR23.47x2.62VITX	RRM27x2SS	32.8	2.0
M 33x2	OR29.2x3X	RRSM33	40.8	2.5	OR29.7x2.8VITX	RRM33x2SS	39.8	2.0
M 42x2	OR37.69x3.53X	RRSM42	50.8	2.6	OR37.7x2.62VITX	RRM42x2SS	49.8	2.0
M 48x2	OR43.69x3X	RRSM48	55.8	2.3	OR44.12x2.62VITX	RRM48x2SS	55.0	2.0

**OR O 型密封圈 - WH/TH 铰接式管接头用**

OR O-Ring - for banjo fittings WH/TH

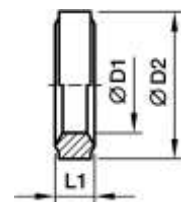
适用于 / For WH / TH	适用于 / For WH / TH	订货代号 / Order Code	
		丁腈橡胶 / NBR	氟橡胶 / FKM
06LM/LR		OR9.3x1.5X	OR9.3x1.5VITX
08LM/LR	06SM/SR	OR12.5x1.5X	OR12.5x1.5VITX
10LM/LR	08SM/SR	OR12.5x1.5X	OR12.5x1.5VITX
12LM/LR	10SM/SR	OR16x1.5X	OR16x1.5VITX
	12SR	OR16x1.5X	OR16x1.5VITX
15LM	12SM	OR18x1.5X	OR18x1.5VITX
15LR	14SM/SR	OR20x1.5X	OR20x1.5VITX
18LM/LR	16SM/SR	OR20x1.5X	OR20x1.5VITX
22LM/LR	20SM/SR	OR25x2X	OR25x2VITX
28LM/LR	25SM/SR	OR33x2.5X	OR33x2.5VITX
35LM/LR	30SM/SR	OR41x2.5X	OR41x2.5VITX
42LM/LR	38SM/SR	OR46x3X	OR46x3VITX

用于 / For SWVE...M/R KDSOMD	订货号 / Order Code
	丁腈橡胶 / NBR
04LLR/-, 06LLR/LLM, 08LLR/LLM, 06LR/LM	9x1.2
08LM, 06SM	10x1.5
08R, 10LR/LM, 06SR, 08SR/LM	12.5x1.5
12LR/LM, 10SR/LM, 12SR	15x1.5
15LM, 12SM	16x1.5
15LR, 14SR/-	19x1.5
18LR/LM, 16SR/LM	20x1.5
22LR/LM, 20SR/LM	25.12x1.78
28LR/LM, 25SR/LM	33x2.5
35LR/LM, 30SR/LM	41x2.5
42LR/LM, 38SR/LM	46x1.3

**DKI 型密封圈 - 压力表管接头用**

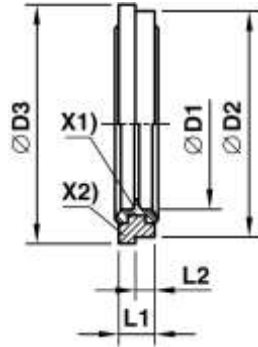
DKI Sealing ring - for pressure gauge connectors

管接头内螺纹 Female thread	订货代号 / Order Code		尺寸 Dimensions			重量 Weight
	碳钢 / Steel	不锈钢 / Stainless steel	D1	D2	L1	g
G 1/4 A	DKI1/4X	DKI1/471X	6	11.3	4.5	2.5
G 1/2 A	DKI1/2X	DKI1/271X	12	18.5	5.0	5.0



**KDS 组合弹性密封圈 - SWVE, WH 及 TH 绞接式接头用**

KDS Soft sealing ring from steel - for banjo fittings SWVE, WH and TH

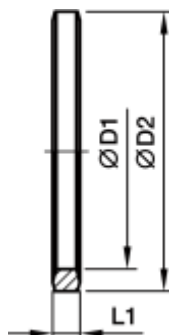


X1)- 弹性密封 / Soft sealing

X2)- 碳钢支承圈 / Steel supporting ring

适用于 / For WH / TH	管接头螺纹 Thread		订货代号 Order Code		尺寸 Dimensions					重量 Weight
	公制 / Metric	英制 / BSPP	碳钢 / 丁腈橡胶 Steel / NBR	碳钢 / 氟橡胶 Steel / FKM	D1	D2	D3	L1	L2	g
06LM/LRKDS	M 10x1	G 1/8 A	KDS10A3CX	KDS10VITA3CX	10.3	14.9	16.0	2.5	1.1	2
06SM/08LMKDS	M 12x1.5		KDS12A3CX	KDS12VITA3CX	12.3	17.0	18.0	3.0	1.6	2
06SRKDS	M 14x1.5	G 1/4 A	KDS14A3CX	KDS14VITA3CX	14.3	18.9	20.0	3.0	1.6	2
08LR/SM/SRKDS	M 14x1.5	G 1/4 A	KDS14A3CX	KDS14VITA3CX	14.3	18.9	20.0	3.0	1.6	2
10LM/LRKDS	M 14x1.5	G 1/4 A	KDS14A3CX	KDS14VITA3CX	14.3	18.9	20.0	3.0	1.6	2
10SM/SRKDS	M 16x1.5	G 3/8 A	KDS16A3CX	KDS16VITA3CX	17.0	21.9	24.0	3.0	2.1	3
12LM/LR/SRKDS	M 16x1.5	G 3/8 A	KDS16A3CX	KDS16VITA3CX	17.0	21.9	24.0	3.0	2.1	3
12SM/15LMKDS	M 18x1.5		KDS18A3CX	KDS18VITA3CX	18.3	23.9	23.9	3.0		4
15LRKDS	M 22x1.5	G 1/2 A	KDS22A3CX	KDS22VITA3CX	22.3	26.9	30.0	4.5	2.6	7
16SM/SRKDS	M 22x1.5	G 1/2 A	KDS22A3CX	KDS22VITA3CX	22.3	26.9	30.0	4.5	2.6	7
18LM/LRKDS	M 22x1.5	G 1/2 A	KDS22A3CX	KDS22VITA3CX	22.3	26.9	30.0	4.5	2.6	7
22LMKDS	M 26x1.5		KDS26A3CX	KDS26VITA3CX	26.3	31.9	35.0	3.5	2.6	7
20SM/SRKDS	M 27x2	G 3/4 A	KDS27A3CX	KDS27VITA3CX	27.3	32.9	38.0	3.5	2.6	8
22LRKDS	M 27x2	G 3/4 A	KDS27A3CX	KDS27VITA3CX	27.3	32.9	38.0	3.5	2.6	8
25SM/SRKDS	M 33x2	G 1 A	KDS33A3CX	KDS33VITA3CX	33.6	39.9	42.0	3.5	2.6	10
28LM/LRKDS	M 33x2	G 1 A	KDS33A3CX	KDS33VITA3CX	33.6	39.9	42.0	3.5	2.6	10
30SM/SRKDS	M 42x2	G 1 1/4 A	KDS42A3CX	KDS42VITA3CX	42.4	49.9	49.9	3.5		12
35LM/LRKDS	M 42x2	G 1 1/4 A	KDS42A3CX	KDS42VITA3CX	42.4	49.9	49.9	3.5		12
38SM/SRKDS	M 48x2	G 1 1/2 A	KDS48A3CX	KDS48VITA3CX	48.4	55.9	60.0	3.5	2.6	16
42LM/LRKDS	M 48x2	G 1 1/2 A	KDS48A3CX	KDS48VITA3CX	48.4	55.9	60.0	3.5	2.6	16

DKA 金属密封圈 - SWVE, WH 及 TH 绞接式接头用  
DKA Sealing ring - for banjo fittings SWVE, WH and TH



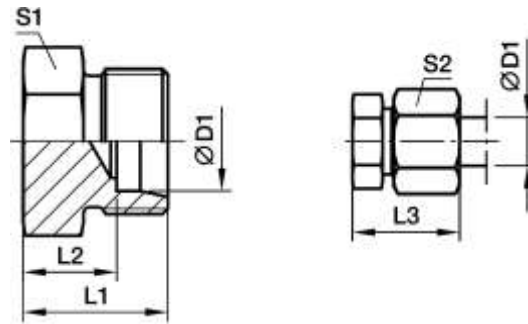
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适用于 For				管接头螺纹 Thread	订货代号 Order Code		尺寸 Dimensions			重量 Weight
WH / TH	SWVE				碳钢 Steel	不锈钢 Stainless steel	D1	D2	L1	g
06LR		04/06/08-LLR	06LR	G 1/8 A	DKA1/8X	DKA1/871X	9.8	14	2.5	1
08LR	06SR	08LR	06SR	G 1/4 A	DKA1/4X	DKA1/471X	13.3	18	3.0	3
10LR	08SR	10LR	08SR	G 1/4 A	DKA1/4X	DKA1/471X	13.3	18	3.0	3
12LR	10SR	12LR	10SR	G 3/8 A	DKA3/8X	DKA3/871X	16.8	22	3.0	3
	12SR		12SR	G 3/8 A	DKA3/8X	DKA3/871X	16.8	22	3.0	3
		15/18LR	14/16SR	G 1/2 A	DKA1/2X		21.1	26	3.0	4
15LR	14SR			G 1/2 A	DKA1/2x4.5X	DKA1/2x4.571X	21.1	26	4.5	6
18LR	16SR			G 1/2 A	DKA1/2x4.5X	DKA1/2x4.571X	21.1	26	4.5	6
22LR	20SR	22LR	20SR	G 3/4 A	DKA3/4X	DKA3/471X	26.6	32	3.5	6
28LR	25SR			G 1 A	DKA1X	DKA171X	33.4	39	3.5	8
35LR	30SR			G 1 1/4 A	DKA11/4X	DKA11/471X	42.1	49	3.5	12
42LR	38SR			G 1 1/2 A	DKA11/2X	DKA11/271X	48.1	55	3.5	15
		04LLM		M 8x1	DKA08X		8.1	12	2.5	1
06LM		06/08LLM	06LM	M 10x1	DKA10X	DKA1071X	10.1	14	3.0	1
08LM	06SM	08LM	06SM	M 12x1.5	DKA12X	DKA1271X	12.1	17	3.0	2
10LM	08SM	10LM	08SM	M 14x1.5	DKA14X	DKA1471X	14.1	19	3.0	3
12LM	10SM	12LM	10SM	M 16x1.5	DKA16X	DKA1671X	16.1	21	3.0	3
15LM	12SM	15LM	12SM	M 18x1.5	DKA18X	DKA1871X	18.1	23	3.0	3
	14SM		14-SM	M 20x1.5	DKA20X	DKA2071X	20.1	25	3.0	4
		18LM	16SM	M 22x1.5	DKA22X		22.1	27	3.0	4
18LM	16SM			M 22x1.5	DKA22x4.5X	DKA22x4.571X	22.1	27	4.5	6
			22LM	M 26x1.5	DKA26X		26.1	31	3.0	6
22LM				M 26x1.5	DKA26x3.5X	DKA26x3.571X	26.1	31	3.5	6
		20SM	20SM	M 27x2	DKA27X	DKA2771X	27.1	32	3.5	6
28LM	25SM			M 33x2	DKA33X	DKA3371X	33.1	39	3.5	8
35LM	30SM			M 42x2	DKA11/4X	DKA11/471X	42.1	49	3.5	12
42LM	38SM			M 48x2	DKA11/2X	DKA11/271X	48.1	55	3.5	15



## ROV 型管端螺堵

ROV Blanking plug for tube ends



## 尺寸 / Dimensions

mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions						公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	L1	L2	L3	S1	S2	71	MS	g
L	ROV06L	06	14	7.0	22	12	14	315	315	8
	ROV08L	08	15	8.0	23	14	17	315	315	13
	ROV10L	10	16	9.0	24	17	19	315	315	17
	ROV12L	12	17	10.0	25	19	22	315	315	24
	ROV15L	15	18	11.0	26	24	27	315	315	41
	ROV18L	18	19	11.5	28	27	32	315	315	56
	ROV22L	22	21	13.5	30	32	36	160	160	84
	ROV28L	28	22	14.5	31	41	41	160	160	138
	ROV35L	35	25	14.5	36	46	50	160	160	203
ROV42L	42	27	16.0	39	55	60	160	160	318	
S	ROV06S	06	18	11.0	26	14	17	630	630	17
	ROV08S	08	20	13.0	28	17	19	630	630	28
	ROV10S	10	20	12.5	29	19	22	630	630	33
	ROV12S	12	22	14.5	31	22	24	630	630	50
	ROV14S	14	24	16.0	34	24	27	630	630	62
	ROV16S	16	24	15.5	34	27	30	400	400	75
	ROV20S	20	28	17.5	39	32	36	400	400	125
	ROV25S	25	32	20.0	44	41	46	400	400	229
	ROV30S	30	34	20.5	47	46	50	400	400	310
ROV38S	38	39	23.0	54	55	60	315	315	508	

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

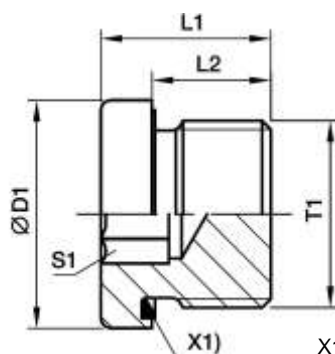
材料	材料及表面处理后缀	示例
碳钢，无六价铬镀锌		ROV16SX
不锈钢	71	ROV16S71X
黄铜	MS	

Please add the suffixes below according to the material and surface required:

material	Suffix	Example
Steel, zinc plated, Cr(VI)-free		ROV16SX
Stainless steel	71	ROV16S71X
Brass	MS	

**VSTI M/R-ED 型油口螺堵**

VSTI M/R-ED Blanking Plug for Ports



X1)- ED 弹性密封圈 / Eolastic-sealing ED

mm

T1		订货代号 <sup>1)</sup> Order Code <sup>1)</sup>		尺寸 Dimensions				公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
公制 / Metric	英制 / BSPP	碳钢 / 丁腈橡胶 Steel / NBR	碳钢 / 氟橡胶 Steel / FKM	D1	L1	L2	S1		71	g
M 10x1	G 1/8 A	VSTI10x1ED	VSTI1/8ED	14.0	12.0	8	5	400	400	8
M 12x1.5		VSTI12x1.5ED		17.0	17.0	12	6	400	400	14
M 14x1.5	G 1/4 A	VSTI14x1.5ED	VSTI1/4ED	19.0	17.0	12	6	400	400	20
M 16x1.5	G 3/8 A	VSTI16x1.5ED	VSTI3/8ED	22.0	17.0	12	8	400	400	25
M 18x1.5		VSTI18x1.5ED		23.9	17.0	12	8	400	400	32
M 20x1.5		VSTI20x1.5ED		25.9	19.0	14	10	400	400	42
M 22x1.5	G 1/2 A	VSTI22x1.5ED	VSTI1/2ED	27.0	19.0	14	10	400	400	51
M 26x1.5		VSTI26x1.5ED		31.9	21.0	16	12	400	400	78
M 27x2	G 3/4 A	VSTI27x2ED	VSTI3/4ED	32.0	21.0	16	12	400	400	79
M 33x2	G 1 A	VSTI33x2ED	VSTI1ED	39.9	22.5	16	17	400	400	130
M 42x2	G 1 1/4 A	VSTI42x2ED	VSTI11/4ED	49.9	22.5	16	22	315	315	198
M 48x2	G 1 1/2 A	VSTI48x2ED	VSTI11/2ED	55.0	22.5	16	24	315	315	263

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		VSTI1/2ED	NBR
不锈钢	71	VSTI1/2ED71	VIT

Please add the suffixes below according to the material and surface required:

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		VSTI1/2ED	NBR
Stainless steel	71	VSTI1/2ED71	VIT

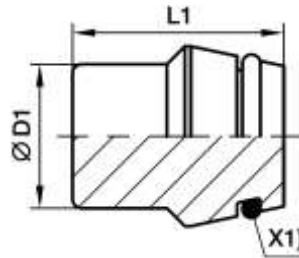
## 管接头系列 / Fitting Series

VKA 型 24° 锥孔螺堵 / VKA Blanking Plug for cones



### VKA 型 24° 锥孔堵头

VKA Blanking Plug for cones



X1) - OR O 型密封圈 / O-ring OR

系列 series	订货代号 Order Code	尺寸 Dimensions		公称压力 <sup>1)</sup> PN / bar <sup>1)</sup>			重量 Weight
		D1	L1		71	MS	g
L	VKA06	06	18.5	500	315	200	6
	VKA08	08	18.5	500	315	200	9
	VKA10	10	20.0	500	315	200	15
	VKA12	12	20.5	400	315	200	21
	VKA15	15	20.5	400	315	200	32
	VKA18	18	22.5	400	315	200	49
	VKA22	22	25.0	250	160	100	80
	VKA28	28	25.5	250	160	100	131
	VKA35	35	30.0	250	160	100	240
	VKA42	42	30.0	250	160	100	343
S	VKA06	06	18.5	800	630	400	6
	VKA08	08	18.5	800	630	400	9
	VKA10	10	20.0	800	630	400	15
	VKA12	12	20.5	630	630	400	21
	VKA14	14	22.5	630	630	400	30
	VKA16	16	23.5	630	400	250	40
	VKA20	20	28.5	420	400	250	78
	VKA25	25	29.0	420	400	250	120
	VKA30	30	30.5	420	400	250	180
	VKA38	38	33.0	420	315	200	309

<sup>1)</sup> 标有压力值，表明该项产品有供货。

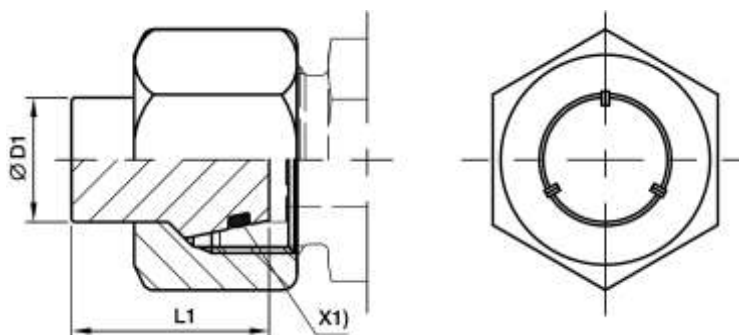
<sup>1)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		VKA16	NBR
不锈钢	71	VKA1671	VIT
黄铜	MS	VKA16MS	NBR

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		VKA16	NBR
Stainless steel	71	VKA1671	VIT
Brass	MS	VKA16MS	NBR

**VKAM 带压紧螺母的 24° 锥孔螺堵**  
 VKAM Blanking plug with nut for cone


X1) - OR O 型密封圈 / O-ring OR

mm

系列 series	订货代号 Order Code	尺寸 Dimensions		公称压力 <sup>1)</sup> PN / bar <sup>1)</sup>			重量 Weight
		D1	L1		71	MS	g
L	VKAM06L	06	18.5	500	315		15
	VKAM08L	08	18.5	500	315		24
	VKAM10L	10	20.0	500	315		33
	VKAM12L	12	20.5	400	315		46
	VKAM15L	15	20.5	400	315		73
	VKAM18L	18	22.5	400	315		111
	VKAM22L	22	25.0	250	160		162
	VKAM28L	28	25.5	250	160		220
	VKAM35L	35	30.0	250	160		376
	VKAM42L	42	30.0	250	160		558
S	VKAM06S	06	18.5	800	630		23
	VKAM08S	08	18.5	800	630		29
	VKAM10S	10	20.0	800	630		46
	VKAM12S	12	20.5	630	630		55
	VKAM14S	14	22.5	630	630		83
	VKAM16S	16	23.5	630	400		106
	VKAM20S	20	28.5	420	400		180
	VKAM25S	25	29.0	420	400		322
	VKAM30S	30	30.5	420	400		398
	VKAM38S	38	33.0	420	315		647

<sup>1)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

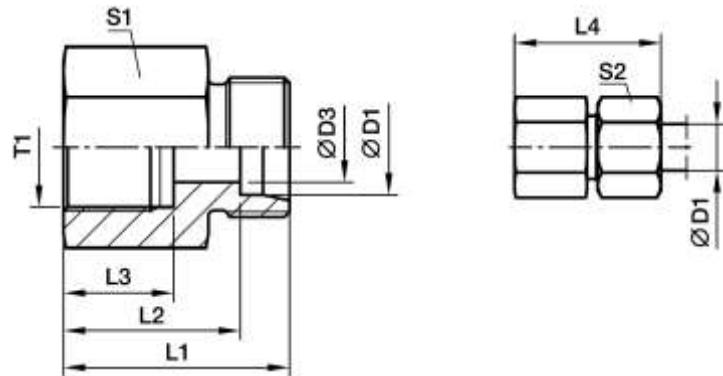
Please add the suffixes below according to the material and surface required:

材料	材料及表面 处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		VKAM16S	NBR
不锈钢	71	VKAM16S71	VIT
黄铜	MS		

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		VKAM16S	NBR
Stainless steel	71	VKAM16S71	VIT
Brass	MS		

## GAI-M 内螺纹管接头 - 公制内螺纹 (符合 ISO 9974-1)

GAI-M Female connector - Female metric thread (ISO 9974-1)



系列 series	订货代号 <sup>1)</sup> Order Code <sup>1)</sup>	尺寸 Dimensions									公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	T1	D3	L1	L2	L3	L4	S1	S2	71	MS	g
L	GAI06LM	06	M 10x1	4	26.5	19.5	12.5	34	14	14	315	315	18
	GAI08LM	08	M 12x1.5	6	31.0	24.0	17.0	39	17	17	315	315	32
	GAI10LM	10	M 14x1.5	8	32.0	25.0	17.0	40	19	19	315	315	39
	GAI12LM	12	M 16x1.5	10	33.0	26.0	17.0	41	22	22	315	315	52
	GAI15LM	15	M 18x1.5	12	35.0	28.0	17.0	43	24	27	315	315	68
	GAI18LM	18	M 22x1.5	15	37.0	29.5	19.0	46	30	32	315	315	111
	GAI22LM	22	M 26x1.5	19	42.0	34.5	21.0	51	32	36	160	160	123
	GAI28LM	28	M 33x2	24	45.0	37.5	24.0	54	41	41	160	160	211
	GAI35LM	35	M 42x2	30	51.0	40.5	26.0	62	55	50	160	160	459
GAI42LM	42	M 48x2	36	53.0	42.0	28.0	65	60	60	160	160	522	
S	GAI06SM	06	M 12x1.5	4	33.0	26.0	17.0	41	17	17	400	400	35
	GAI08SM	08	M 14x1.5	5	33.0	26.0	17.0	41	17	19	400	400	42
	GAI10SM	10	M 16x1.5	7	34.0	26.5	17.0	43	22	22	400	400	58
	GAI12SM	12	M 18x1.5	8	35.0	27.5	17.0	44	24	24	400	400	70
	GAI14SM	14	M 20x1.5	10	39.0	31.0	19.0	49	27	27	400	400	95
	GAI16SM	16	M 22x1.5	12	39.0	30.5	19.0	49	30	30	400	400	114
	GAI20SM	20	M 27x2	16	45.0	34.5	22.0	56	36	36	315	315	189
	GAI25SM	25	M 33x2	20	49.0	37.0	24.0	61	41	46	315	315	235
	GAI30SM	30	M 42x2	25	55.0	41.5	26.0	68	55	50	315	315	490
GAI38SM	38	M 48x2	32	59.0	43.0	28.0	74	60	60	250	250	597	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

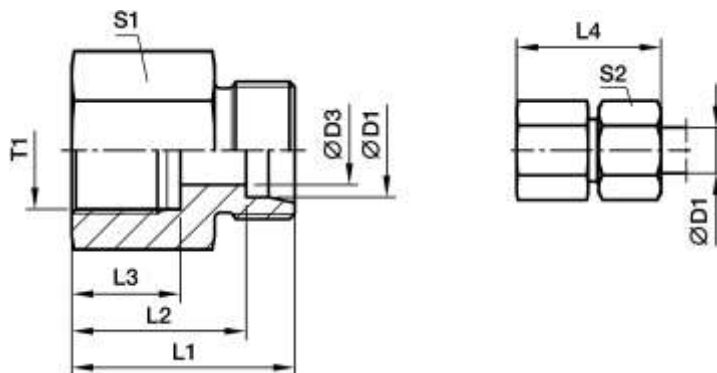
<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		GAI16SMX
不锈钢	71	GAI16SM71X
黄铜	MS	

Please add the suffixes below according to the material and surface required:

material	Suffix	Example
Steel, zinc plated, Cr(VI)-free		GAI16SMX
Stainless steel	71	GAI16SM71X
Brass	MS	

**GAI-R 内螺纹管接头 - 英制直管内螺纹(G) (符合 ISO 1197-1)**  
 GAI-R Female connector - Female BSPP(G) thread (ISO 1179-1)


mm

系列 series	订货代号 <sup>1)</sup> Order Code <sup>1)</sup>	尺寸 Dimensions									公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T1	D3	L1	L2	L3	L4	S1	S2	71	MS	g	
L	GAI06LR	06	G 1/8	4	26.0	19.0	12.0	34	14	14	315	315	200	18
	GAI06LR1/4	06	G 1/4	4	31.0	24.0	17.0	39	19	14	315	315	200	39
	GAI08LR	08	G 1/4	6	31.0	24.0	17.0	39	19	17	315	315	200	39
	GAI08LR3/8	08	G 3/8	6	32.0	25.0	17.0	40	24	17	315	315	200	61
	GAI08LR1/2	08	G 1/2	6	36.0	29.0	20.0	44	27	17	315	315	200	80
	GAI10LR	10	G 1/4	8	32.0	25.0	17.0	40	19	19	315	315	200	40
	GAI10LR3/8	10	G 3/8	8	33.0	26.0	17.0	41	24	19	315	315	200	63
	GAI10LR1/2	10	G 1/2	8	37.0	30.0	20.0	45	27	19	315	315	200	81
	GAI12LR	12	G 3/8	10	33.0	26.0	17.0	41	24	22	315	315	200	64
	GAI12LR1/2	12	G 1/2	10	37.0	30.0	20.0	45	27	22	315	315	200	83
	GAI15LR	15	G 1/2	12	38.0	31.0	20.0	46	27	27	315	315	200	87
	GAI18LR	18	G 1/2	15	38.0	30.5	20.0	47	27	32	315	315	200	89
	GAI18LR3/8	18	G 3/8	15	34.0	26.5	17.0	43	27	32	315	315	200	95
	GAI22LR	22	G 3/4	19	43.0	35.5	22.0	52	36	36	160	160	100	173
	GAI28LR	28	G 1	24	45.5	38.0	24.5	55	41	41	160	160	100	211
	GAI35LR	35	G 1 1/4	30	51.5	41.0	26.5	63	55	50	160	160	100	469
GAI42LR	42	G 1 1/2	36	53.5	42.5	28.5	65	60	60	160	160	100	540	
S	GAI06SR	06	G 1/4	4	33.0	26.0	17.0	41	19	17	400	400		43
	GAI08SR	08	G 1/4	5	33.0	26.0	17.0	41	19	19	400	400		47
	GAI10SR	10	G 3/8	7	34.0	26.5	17.0	43	24	22	400	400		68
	GAI12SR	12	G 3/8	8	34.0	26.5	17.0	43	24	24	400	400		71
	GAI12SR1/2	12	G 1/2	8	38.0	30.5	20.0	47	30	24	400	400		121
	GAI14SR	14	G 1/2	10	40.0	32.0	20.0	50	30	27	400	400		125
	GAI16SR	16	G 1/2	12	40.0	31.5	20.0	50	30	30	400	400		126
	GAI20SR	20	G 3/4	16	45.0	34.5	22.0	56	36	36	315	315		196
	GAI25SR	25	G 1	20	49.5	37.5	24.5	62	41	46	315	315		246
	GAI30SR	30	G 1 1/4	25	55.5	42.0	26.5	69	55	50	315	315		537
	GAI38SR	38	G 1 1/2	32	59.5	43.5	28.5	74	60	60	250	250		649

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

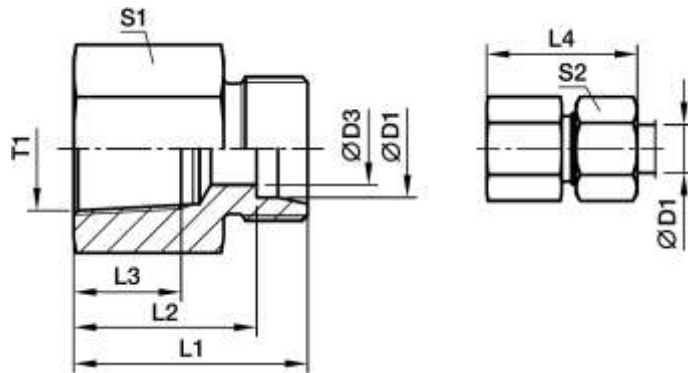
材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		GAI16SRX
不锈钢	71	GAI16SR71X
黄铜	MS	GAI16SRMSX

material	Suffix	Example
Steel, zinc plated, Cr(VI)-free		GAI16SRX
Stainless steel	71	GAI16SR71X
Brass	MS	GAI16SRMSX



GAI-NPT 内螺纹管接头 – 美制 NPT 锥管内螺纹(符合 SAE 476)

GAI-NPT Female connector - Female NPT thread (SAE 476)



系列 series	订货代号 <sup>1)</sup> Order Code <sup>1)</sup>	尺寸 Dimensions									公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	T1	D3	L1	L2	L3	L4	S1	S2	71	MS	g
L	GAI06L1/8NPT	06	1/8-27 NPT	4	26.0	19.0	11.6	34	14	14	315	315	19
	GAI06L1/4NPT	06	1/4-18 NPT	4	30.5	23.5	16.4	38	19	14	315	315	38
	GAI08L1/4NPT	08	1/4-18 NPT	6	30.5	23.5	16.4	38	19	17	315	315	39
	GAI10L1/4NPT	10	1/4-18 NPT	8	31.0	24.0	16.4	39	19	19	315	315	40
	GAI12L3/8NPT	12	3/8-18 NPT	10	34.0	27.0	17.4	42	24	22	315	315	69
	GAI12L1/2NPT	12	1/2-14 NPT	10	39.0	32.0	22.6	47	27	22	315	315	91
	GAI15L1/2NPT	15	1/2-14 NPT	12	40.0	33.0	22.6	48	27	27	315	315	96
	GAI18L1/2NPT	18	1/2-14 NPT	15	40.0	32.5	22.6	49	27	32	315	315	99
	GAI22L3/4NPT	22	3/4-14 NPT	19	43.0	35.5	23.1	52	36	36	160	160	184
	GAI28L1NPT	28	1-11 1/2 NPT	24	48.0	40.5	27.8	57	41	41	160	160	238
	GAI35L11/4NPT	35	1 1/4-11 1/2 NPT	30	51.0	40.5	28.3	62	55	50	160	160	424
GAI42L11/2NPT	42	1 1/2-11 1/2 NPT	36	53.0	42.0	28.3	65	60	60	160	160	547	
S	GAI06S1/8NPT	06	1/8-27 NPT	4	29.0	22.0	11.6	36	14	17	400	400	25
	GAI06S1/4NPT	06	1/4-18 NPT	4	33.0	26.0	16.4	41	19	17	400	400	41
	GAI08S1/4NPT	08	1/4-18 NPT	5	33.0	26.0	16.4	41	19	19	400	400	42
	GAI10S3/8NPT	10	3/8-18 NPT	7	35.0	27.0	17.4	44	24	22	400	400	74
	GAI12S1/4NPT	12	1/4-18 NPT	8	32.5	25.0	16.4	41	22	24	400	400	81
	GAI12S3/8NPT	12	3/8-18 NPT	8	35.0	27.5	17.4	44	24	24	400	400	76
	GAI12S1/2NPT	12	1/2-14 NPT	8	41.0	33.5	22.6	50	27	24	400	400	101
	GAI14S1/2NPT	14	1/2-14 NPT	10	43.0	35.0	22.6	53	27	27	400	400	108
	GAI16S1/2NPT	16	1/2-14 NPT	12	43.0	34.5	22.6	50	27	30	400	400	111
	GAI20S1/2NPT	20	1/2-14 NPT	16	44.0	33.5	22.6	55	32	36	315	315	129
	GAI20S3/4NPT	20	3/4-14 NPT	16	46.0	35.5	23.1	57	36	36	315	315	214
	GAI25S1NPT	25	1-11 1/2 NPT	20	53.0	41.0	27.8	65	41	46	315	315	288
	GAI30S11/4NPT	30	1 1/4-11 1/2 NPT	25	57.0	43.5	28.3	70	55	50	315	315	559
	GAI38S11/2NPT	38	1 1/2-11 1/2 NPT	32	59.0	43.0	28.3	74	60	60	250	250	632

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

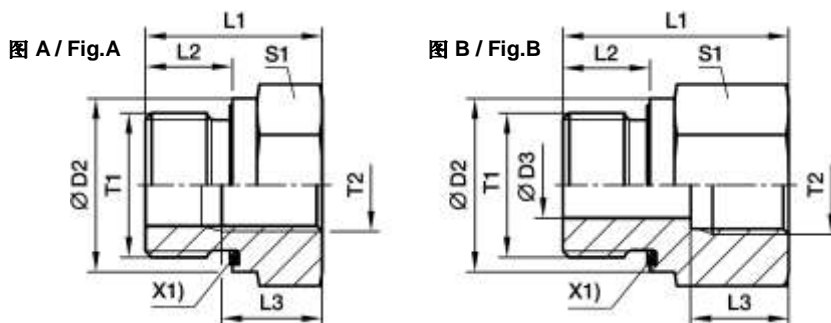
对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例
碳钢，无六价铬镀锌		GAI16S1/2NPTX
不锈钢	71	GAI16S1/2NPT71X
黄铜	MS	

material	Suffix	Example
Steel, zinc plated, Cr(VI)-free		GAI16S1/2NPTX
Stainless steel	71	GAI16S1/2NPT71X
Brass	MS	

RI-ED 油口变径转接头 - 英制直管外螺纹(G), ED 密封 (符合 ISO 1197) / 英制直管内螺纹(G) (符合 ISO 1197-1)  
 RI-ED Thread reducer/expander - Male BSPP thread, ED-seal (ISO 1179) / Female BSPP thread (ISO 1179-1)



X1) - ED 密封圈 / Eolastic-sealing ED

mm

订货代号 Order Code	尺寸 Dimensions									公称压力 <sup>1)</sup> PN / bar <sup>1)</sup>		重量 Weight g
	T1	T2	D2	D3	L1	L2	L3	S1	Fig.	71	MS	
RI1/8EDx1/4	G 1/8 A	G 1/4	14	4	31.0	8	17.0	19	B	400	400	41
RI1/8EDx3/8	G 1/8 A	G 3/8	14	4	32.0	8	17.0	24	B	400	400	63
RI1/4EDx1/8	G 1/4 A	G 1/8	19	5	29.0	12	12.0	19	B	400	400	41
RI1/4EDx3/8	G 1/4 A	G 3/8	19	5	36.0	12	17.0	24	B	400	400	69
RI1/4EDx1/2	G 1/4 A	G 1/2	19	5	40.0	12	20.0	30	B	400	400	120
RI1/4EDx3/4	G 1/4 A	G 3/4	19	5	43.0	12	22.0	36	B	400	400	171
RI3/8EDx1/8	G 3/8 A	G 1/8	22		22.5	12	8.0	22	A	400	400	38
RI3/8EDx1/4	G 3/8 A	G 1/4	22	8	36.0	12	17.0	22	B	400	400	68
RI3/8EDx1/2	G 3/8 A	G 1/2	22	8	41.0	12	20.0	30	B	400	400	124
RI3/8EDx3/4	G 3/8 A	G 3/4	22	8	44.0	12	22.0	36	B	315	315	182
RI1/2EDx1/8	G 1/2 A	G 1/8	27		24.0	14	8.0	27	A	400	400	65
RI1/2EDx1/4	G 1/2 A	G 1/4	27		24.0	14	12.0	27	A	400	400	56
RI1/2EDx3/8	G 1/2 A	G 3/8	27	12	37.0	14	17.0	27	B	400	400	95
RI1/2EDx3/4	G 1/2 A	G 3/4	27	12	46.0	14	22.0	36	B	315	315	183
RI1/2EDx1	G 1/2 A	G 1	27	12	49.0	14	24.5	41	B	315	315	232
RI1/2EDx11/4	G 1/2 A	G 1 1/4	27	10	53.0	14	26.5	55	B	315	315	481
RI3/4EDx1/4	G 3/4 A	G 1/4	32		26.0	16	12.0	32	A	315	315	103
RI3/4EDx3/8	G 3/4 A	G 3/8	32		26.0	16	12.0	32	A	315	315	86
RI3/4EDx1/2	G 3/4 A	G 1/2	32	16	43.0	16	20.0	32	B	315	315	156
RI3/4EDx1	G 3/4 A	G 1	32	16	51.0	16	24.5	41	B	315	315	237
RI3/4EDx11/4	G 3/4 A	G 1 1/4	32	16	55.0	16	26.5	55	B	315	315	486
RI3/4EDx11/2	G 3/4 A	G 1 1/2	32	16	57.0	16	28.5	60	B	250	250	561
RI1EDx1/4	G 1 A	G 1/4	40		29.0	18	12.0	41	A	315	315	197
RI1EDx3/8	G 1 A	G 3/8	40		29.0	18	12.0	41	A	315	315	179
RI1EDx1/2	G 1 A	G 1/2	40		29.0	18	14.0	41	A	315	315	153
RI1EDx3/4	G 1 A	G 3/4	40	20	49.0	18	22.0	41	B	315	315	290
RI1EDx11/4	G 1 A	G 1 1/4	40	20	57.0	18	26.5	55	B	315	315	503
RI1EDx11/2	G 1 A	G 1 1/2	40	20	59.0	18	28.5	60	B	250	250	585
RI11/4EDx1/2	G 1 1/4 A	G 1/2	50		32.0	20	14.0	50	A	315	315	313
RI11/4EDx3/4	G 1 1/4 A	G 3/4	50		32.0	20	16.0	50	A	315	315	393
RI11/4EDx1	G 1 1/4 A	G 1	50	25	5.0	20	24.5	50	B	315	315	469
RI11/4EDx11/2	G 1 1/4 A	G 1 1/2	50	25	60.0	20	28.5	60	B	250	250	624
RI11/2EDx1/2	G 1 1/2 A	G 1/2	55		36.0	22	14.0	55	A	250	250	470
RI11/2EDx3/4	G 1 1/2 A	G 3/4	55		36.0	22	16.0	55	A	250	250	415
RI11/2EDx1	G 1 1/2 A	G 1	55		36.0	22	18.0	55	A	250	250	338
RI11/2EDx11/4	G 1 1/2 A	G 1 1/4	55	32	58.0	22	26.5	55	B	250	250	542
RI2EDx11/2	G 2 A	G 1 1/2	75	40	65.0	24	28.5	75	B	160		1309

<sup>1)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

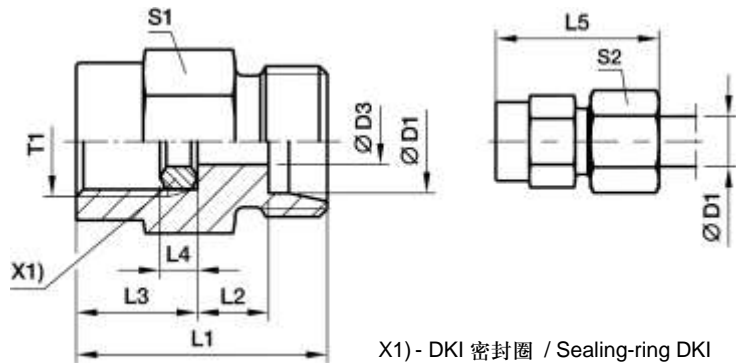
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		RI1EDX1/2
不锈钢	71	RI1EDX1/271

material	Suffix	Example
Steel, zinc plated, Cr(VI)-free		RI1EDX1/2
Stainless steel	71	RI1EDX1/271

MAV 压力表转接头 - 英制直管内螺纹 / 24° 锥孔端

MAV Pressure gauge connector - Female BSPP thread / EO 24° cone end



X1) - DK1 密封圈 / Sealing-ring DK1

系列 series	订货代号 <sup>1)</sup> Order Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T1	D3	L1	L2	L3	L4	L5	S1	S2	71	MS	g	
LL	MAV04LLROMD	04	G 1/4	2.5	27	8.5	14.5	4.5	33	19	10	100			33
L	MAV06LROMD	06	G 1/4	2.5	29	7.5	14.5	4.5	37	19	14	315	315	200	37
	MAV08LROMD	08	G 1/4	5.5	29	7.5	14.5	4.5	37	19	17	315	315	200	38
	MAV10LROMD	10	G 1/4	5.5	30	8.5	14.5	4.5	38	19	19	315	315	200	41
	MAV12LROMD	12	G 1/4	5.5	30	8.5	14.5	4.5	38	19	22	315	315	200	43
S	MAV06SROMD	06	G 1/2	3.5	38	11.0	20.0	5.0	46	27	17	630	630	400	86
	MAV08SROMD	08	G 1/2	3.5	38	11.0	20.0	5.0	46	27	19	630	630	400	86
	MAV10SROMD	10	G 1/2	7.5	38	10.5	20.0	5.0	47	27	22	630	630	400	88
	MAV12SROMD	12	G 1/2	7.5	38	10.5	20.0	5.0	47	27	24	630	630	400	93

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

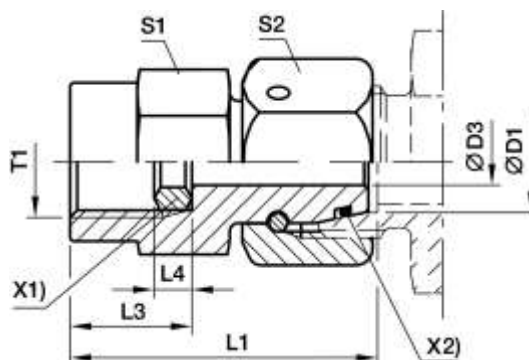
对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

材料	材料及表面处理后缀	示例
碳钢, 无六价铬镀锌		MAV10SROMD
不锈钢	71	MAV10SROMD71
黄铜	MS	MAV10SROMDMS

Please add the suffixes below according to the material and surface required:

material	Suffix	Example
Steel, zinc plated, Cr(VI)-free		MAV10SROMD
Stainless steel	71	MAV10SROMD71
Brass	MS	MAV10SROMDMS

MAVE 可转向压力表转接接头 - 英制直管内螺纹 / 24° 锥孔端, 带转向锁紧螺母  
 MAVE Pressure gauge swivel connector - Female BSPP thread / EO 24° DKO swivel



X1) - DKI 密封圈 / Sealing-ring DKI  
 X2) - OR O 型密封圈 / O-ring OR

mm

系列 series	订货代号 <sup>1)</sup> Order Code <sup>1)</sup>	尺寸 Dimensions								公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	T1	D3	L1	L3	L4	S1	S2	71	MS	g	
L	MAVE06LR	06	G 1/4	2.5	35.5	14.5	4.5	19	14	315	315		46
	MAVE08LR	08	G 1/4	4.0	35.5	14.5	4.5	19	17	315	315		52
	MAVE10LR	10	G 1/4	5.5	36.0	14.5	4.5	19	19	315	315		59
	MAVE12LR	12	G 1/4	5.5	36.0	14.5	4.5	19	22	315	315		70
S	MAVE06SR	06	G 1/2	2.5	42.5	20.0	5.0	27	17	630	630		95
	MAVE06SR1/4	06	G 1/4	2.5	35.5	14.5	4.5	19	17	630	630		52
	MAVE08SR	08	G 1/2	4.0	43.0	20.0	5.0	27	19	630	630		100
	MAVE08SR1/4	08	G 1/4	4.0	35.5	14.5	4.5	19	19	630	630		58
	MAVE10SR	10	G 1/2	6.0	43.5	20.0	5.0	27	22	630	630		109
	MAVE10SR1/4	10	G 1/4	7.0	39.0	14.5	4.5	19	22	630	630		67
	MAVE12SR	12	G 1/2	7.0	45.0	20.0	5.0	27	24	630	630		125
	MAVE12SR1/4	12	G 1/4	7.0	39.0	14.5	4.5	19	24	630	630		83

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		MAVE10SR	NBR
不锈钢	71	MAVE10SR71	VIT
黄铜	MS		

Please add the suffixes below according to the material and surface required:

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		MAVE10SR	NBR
Stainless steel	71	MAVE10SR71	VIT
Brass	MS		

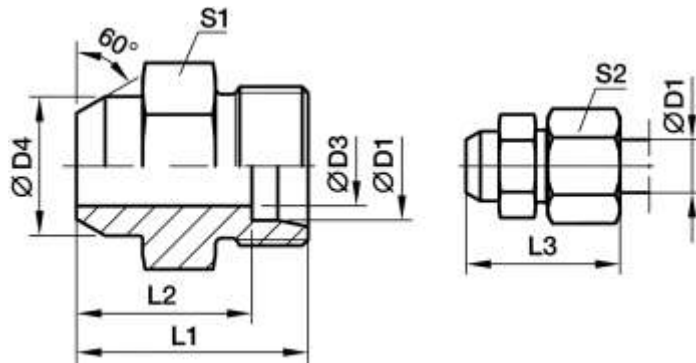
## 管接头系列 / Fitting Series

AS 直通焊接接头 / AS Weld Connector



### AS 直通焊接接头 - 对焊 / 24° 锥孔端

AS Weld connector - Butt weld / EO 24° cone end



系列 series	订货代号 <sup>1)</sup> Order Code <sup>1)</sup>	尺寸 Dimensions								公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>			重量 Weight
		D1	D3	D4	L1	L2	L3	S1	S2	碳钢 Steel	71	MS	g
L	AS06L	06	4	10	21	14.0	29	12	14	315	315		11
	AS08L	08	6	12	23	16.0	31	14	17	315	315		15
	AS10L	10	8	14	25	18.0	33	17	19	315	315		22
	AS12L	12	10	16	25	18.0	33	19	22	315	315		25
	AS15L	15	12	19	29	22.0	37	22	27	315	315		44
	AS18L	18	15	22	31	23.5	40	27	32	315	315		67
	AS22L	22	19	27	36	28.5	45	32	36	160	160		98
	AS28L	28	24	32	38	30.5	47	41	41	160	160		165
	AS35L	35	30	40	43	32.5	54	46	50	160	160		232
	AS42L	42	36	46	46	35.0	58	55	60	160	160		342
S	AS06S	06	4	11	26	19.0	34	14	17	630	630		21
	AS08S	08	5	13	28	21.0	36	17	19	630	630		31
	AS10S	10	7	15	30	22.5	39	19	22	630	630		41
	AS12S	12	8	17	32	24.5	41	22	24	630	630		93
	AS14S	14	10	19	35	27.0	45	24	27	630	630		55
	AS16S	16	12	21	35	26.5	45	27	30	400	400		82
	AS20S	20	16	26	40	29.5	51	32	36	400	400		131
	AS25S	25	20	31	44	32.0	56	41	46	400	400		219
	AS30S	30	25	36	49	35.5	62	46	50	400	400		297
	AS38S	38	32	44	54	38.0	69	55	60	315	315		448

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

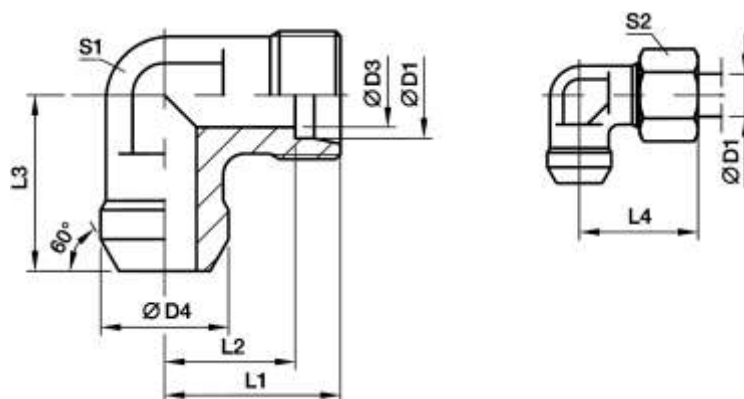
对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

材料	材料及表面处理后缀	示例
碳钢	无	AS16SX
不锈钢	71	AS16S71X
黄铜	MS	

Please add the suffixes below according to the material and surface required:

material	Suffix	Example
Steel	Without	AS16SX
Stainless steel	71	AS16S71X
Brass	MS	

WAS 弯通焊接接头 - 对焊 / 24° 锥孔端  
WAS Weld elbow - Butt weld / EO 24° cone end



mm

系列 series	订货代号 <sup>1)</sup> Order Code <sup>1)</sup>	尺寸 Dimensions									公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	D3	D4	L1	L2	L3	L4	S1	S2	碳钢 Steel	71	g
L	WAS06L	06	4	10	19	12.0	19	27	12	14	315	315	20
	WAS08L	08	6	12	21	14.0	23	29	12	17	315	315	25
	WAS10L	10	8	14	22	15.0	24	30	14	19	315	315	34
	WAS12L	12	10	16	24	17.0	25	32	17	22	315	315	45
	WAS15L	15	12	19	28	21.0	30	36	19	27	315	315	81
	WAS18L	18	15	22	31	23.5	33	40	24	32	315	315	113
	WAS22L	22	19	27	35	27.5	37	44	27	36	160	160	151
	WAS28L	28	24	32	38	30.5	42	47	36	41	160	160	271
	WAS35L	35	30	40	45	34.5	49	56	41	50	160	160	113
	WAS42L	42	36	46	51	40.0	57	63	50	60	160	160	420
S	WAS06S	06	4	11	23	16.0	23	31	12	17	630	630	31
	WAS08S	08	5	13	24	17.0	24	32	14	19	630	630	44
	WAS10S	10	7	15	25	17.5	25	34	17	22	630	630	59
	WAS12S	12	8	17	29	21.5	29	38	17	24	630	630	78
	WAS14S	14	10	19	30	22.0	30	40	19	27	630	630	98
	WAS16S	16	12	21	33	24.5	33	43	24	30	400	400	133
	WAS20S	20	16	26	37	26.5	37	48	27	36	400	400	192
	WAS25S	25	20	31	42	30.0	42	54	36	46	400	400	351
	WAS30S	30	25	36	49	35.5	49	62	41	50	400	400	525
	WAS38S	38	32	44	57	41.0	57	72	50	60	315	315	785

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例
碳钢	无	WAS16SX
不锈钢	71	WAS16S71X
黄铜	MS	

material	Suffix	Example
Steel	Without	WAS16SX
Stainless steel	71	WAS16S71X
Brass	MS	



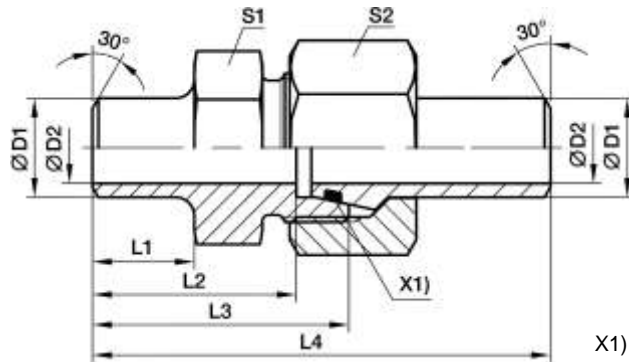
## 管接头系列 / Fitting Series

ASK 管道直通焊接接头 / ASK Weld Fitting for Tubes



### ASK 管道直通焊接接头 - 对焊 / 对焊

ASK Weld fitting for tubes - Butt weld / Butt weld



X1) - OR O 型密封圈 / O-ring OR

系列 series	订货代号 <sup>1)</sup> Order Code	推荐使用管道 recommended tube	尺寸 Dimensions								公称压力 <sup>1)</sup> PN / bar <sup>1)</sup>		重量 Weight
			D1	D2	L1	L2	L3	L4	S1	S2	碳钢 Steel	71	g
S	ASK610X1S	10 x 1.0	10	8	10.0	24.5	32.0	58.0	19	22	249	242	75
	ASK610X1.5S	10 x 1.5	10	7	10.0	24.5	32.0	58.0	19	22	358	349	81
	ASK610X2S	10 x 2.0	10	6	10.0	24.5	32.0	58.0	19	22	460	447	86
	ASK612X1.5S	12 x 1.5	12	9	15.0	29.5	37.0	63.0	22	24	305	297	106
	ASK612X2	12 x 2.0	12	8	15.0	29.5	37.0	63.0	22	24	393	383	107
	ASK612X2.5S	12 x 2.5	12	7	15.0	29.5	37.0	63.0	22	24	476	463	109
	ASK616X1.5S	16 x 1.5	16	13	16.5	33.0	41.5	73.5	27	30	234	228	166
	ASK616X2S	16 x 2.0	16	12	16.5	33.0	41.5	73.5	27	30	305	297	175
	ASK616X2.5S	16 x 2.5	16	11	16.5	33.0	41.5	73.5	27	30	372	362	184
	ASK616X3S	16 x 3.0	16	10	16.5	33.0	41.5	73.5	27	30	400	400	193
	ASK620X2S	20 x 2.0	20	16	19.0	36.5	47.0	83.5	32	36	249	242	301
	ASK620X2.5S	20 x 2.5	20	15	19.0	36.5	47.0	83.5	32	36	305	297	311
	ASK620X3S	20 x 3.0	20	14	19.0	36.5	47.0	83.5	32	36	358	349	316
	ASK620X4S	20 x 4.0	20	12	19.0	36.5	47.0	83.5	32	36	400	400	322
	ASK625X3S	25 x 3.0	25	19	19.5	39.5	51.5	92.5	41	46	294	286	551
	ASK625X4S	25 x 4.0	25	17	19.5	39.5	51.5	92.5	41	46	379	369	559
	ASK625X5S	25 x 5.0	25	15	19.5	39.5	51.5	92.5	41	46	400	400	589
	ASK630X3S	30 x 3.0	30	24	23.0	44.5	58.0	101.5	46	50	249	242	671
	ASK630X4S	30 x 4.0	30	22	23.0	44.5	58.0	101.5	46	50	323	314	679
	ASK630X5S	30 x 5.0	30	20	23.0	44.5	58.0	101.5	46	50	393	383	726
ASK630X6S	30 x 6.0	30	18	23.0	44.5	58.0	101.5	46	50	400	400	791	
ASK638X4S	38 x 4.0	38	30	22.0	44.0	60.0	108.0	55	60	261	254	988	
ASK638X5S	38 x 5.0	38	28	22.0	44.0	60.0	108.0	55	60	315	311	1044	
ASK638X6S	38 x 6.0	38	26	22.0	44.0	60.0	108.0	55	60	315	315	1108	
ASK638X7S	38 x 7.0	38	24	22.0	44.0	60.0	108.0	55	60	315	315	1205	

<sup>1)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Pressure shown means the item deliverable.

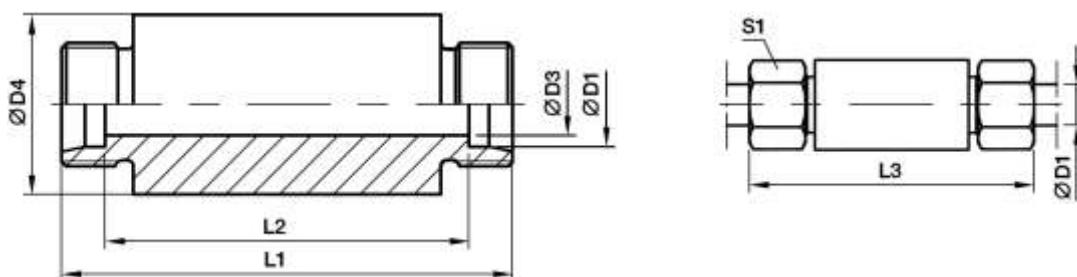
对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

Please add the suffixes below according to the material and surface required:

材料	材料及表面 处理后缀	示例	标准密封材料 (无需加后缀)
碳钢	无	ASK616X2S	NBR
不锈钢	71	ASK616X2S71	VIT

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel	Without	ASK616X2S	NBR
Stainless steel	71	ASK616X2S71	VIT

ESV 隔壁通焊接接头 - 24° 锥孔端 / 24° 锥孔端  
ESV Weld bulkhead fitting - EO 24° cone end / EO 24° cone end



mm

系列 series	订货代号 <sup>1)</sup> Order Code <sup>1)</sup>	尺寸 Dimensions							公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight
		D1	D3	D4	L1	L2	L3	S1	碳钢 Steel	71 MS	g
L	ESV06L	06	4	18	70	56	85	14	500	315	103
	ESV08L	08	6	20	70	56	85	17	500	315	121
	ESV10L	10	8	22	72	58	87	19	500	315	142
	ESV12L	12	10	25	72	58	87	22	400	315	176
	ESV15L	15	12	28	84	70	100	27	400	315	262
	ESV18L	18	15	32	84	69	101	32	400	315	333
	ESV22L	22	19	36	88	73	105	36	250	160	394
	ESV28L	28	24	40	88	73	106	41	250	160	448
	ESV35L	35	30	50	92	71	114	50	250	160	713
	ESV42L	42	36	60	92	70	115	60	250	160	997
S	ESV06S	06	4	20	74	60	89	17	800	630	135
	ESV08S	08	5	22	74	60	89	19	800	630	163
	ESV10S	10	7	25	74	59	91	22	800	630	201
	ESV12S	12	8	28	74	59	91	24	630	630	249
	ESV14S	14	10	30	88	72	107	27	630	630	337
	ESV16S	16	12	35	88	71	107	30	630	400	441
	ESV20S	20	16	38	92	71	114	36	420	400	509
	ESV25S	25	20	45	96	72	120	46	420	400	720
	ESV30S	30	25	50	100	73	126	50	420	400	873
	ESV38S	38	32	60	104	72	133	60	420	315	1248

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

材料	材料及表面处理后缀	示例
碳钢	无	ESV16SX
不锈钢	71	ESV16S71X

Please add the suffixes below according to the material and surface required:

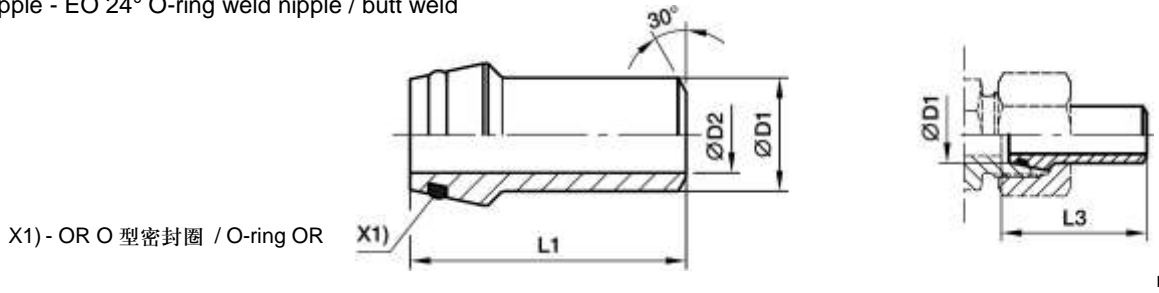
material	Suffix	Example
Steel	Without	ESV16SX
Stainless steel	71	ESV16S71X

# 管接头系列 / Fitting Series

SKA 24° 锥端焊接接管 / SKA Weld Nipple



SKA 24° 锥端焊接接管 - O 型圈密封 24° 锥端 / 对焊  
SKA Weld nipple - EO 24° O-ring weld nipple / butt weld



系列 series	订货代号 Order Code	推荐使用管道 recommended tube	尺寸 Dimensions				公称压力 <sup>1)</sup> PN / bar <sup>1)</sup>		重量 Weight g
			D1	D2	L1	L3	碳钢, Steel	71	
L, S	SKA06X1.5	6 x 1.5	06	3.0	31.0	31.5	528	539	7
	SKA08X1.5	8 x 1.5	08	4.5	31.0	31.5	414	424	11
	SKA08X2	8 x 2.0	08	4.0	31.0	31.5	528	539	11
	SKA10X1	10 x 1.0	10	8.0	32.5	33.5	249	242	13
	SKA10X1.5	10 x 1.5	10	7.0	32.5	33.5	358	349	13
	SKA10X2	10 x 2.0	10	6.0	32.5	33.5	460	447	16
	SKA12X1.5	12 x 1.5	12	9.0	32.5	33.5	305	297	21
	SKA12X2	12 x 2.0	12	8.0	32.5	33.5	393	383	20
L	SKA12X2.5	12 x 2.5	12	7.0	32.5	33.5	476	463	22
	SKA15X2	15 x 2.0	15	11.0	34.0	34.5	315	315	29
	SKA15X2.5	15 x 2.5	15	10.0	34.0	34.5	315	315	31
	SKA18X2.5	18 x 2.5	18	13.0	35.5	36.5	315	315	40
	SKA22X2.5	22 x 2.5	22	17.0	38.5	39.5	160	160	57
	SKA28X2.5	28 x 2.5	28	23.0	41.5	42.5	160	160	73
	SKA28X3	28 x 3.0	28	22.0	41.5	42.5	160	160	89
	SKA35X3.5	35 x 3.5	35	28.0	47.5	49.5	160	160	140
	SKA35X4	35 x 4.0	35	27.0	47.5	49.5	160	160	150
	SKA42X3	42 x 3.0	42	36.0	47.5	50.0	160	160	155
S	SKA42X4	42 x 4.0	42	34.0	47.5	50.0	160	160	190
	SKA14X2	14 x 2.0	14	10.0	38.5	39.5	343	334	26
	SKA14X3	14 x 3.0	14	8.0	38.5	39.5	487	474	33
	SKA16X1.5	16 x 1.5	16	13.0	39.0	40.5	234	228	32
	SKA16X2	16 x 2.0	16	12.0	39.0	40.5	305	297	31
	SKA16X2.5	16 x 2.5	16	11.0	39.0	40.5	372	362	38
	SKA16X3	16 x 3.0	16	10.0	39.0	40.5	400	400	41
	SKA20X2	20 x 2.0	20	16.0	45.0	47.0	249	242	57
	SKA20X2.5	20 x 2.5	20	15.0	45.0	47.0	305	297	57
	SKA20X3	20 x 3.0	20	14.0	45.0	47.0	358	349	64
	SKA20X3.5	20 x 3.5	20	13.0	45.0	47.0	400	400	71
	SKA20X4	20 x 4.0	20	12.0	45.0	47.0	400	400	78
	SKA25X3	25 x 3.0	25	19.0	49.5	53.0	294	286	89
	SKA25X3.5	25 x 3.5	25	18.0	49.5	53.0	337	328	100
	SKA25X4	25 x 4.0	25	17.0	49.5	53.0	379	369	111
	SKA25X5	25 x 5.0	25	15.0	49.5	53.0	400	400	125
	SKA30X3	30 x 3.0	30	24.0	52.0	57.0	249	242	113
	SKA30X4	30 x 4.0	30	22.0	52.0	57.0	323	314	141
	SKA30X5	30 x 5.0	30	20.0	52.0	57.0	393	383	166
	SKA30X6	30 x 6.0	30	18.0	52.0	57.0	400	400	188
SKA38X3	38 x 3.0	38	32.0	56.5	64.0	200	195	163	
SKA38X4	38 x 4.0	38	30.0	56.5	64.0	261	254	209	
SKA38X5	38 x 5.0	38	28.0	56.5	64.0	315	315	247	
SKA38X6	38 x 6.0	38	26.0	56.5	64.0	315	315	270	
SKA38X7	38 x 7.0	38	24.0	56.5	64.0	315	315	270	

<sup>1)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Pressure shown means the item deliverable.

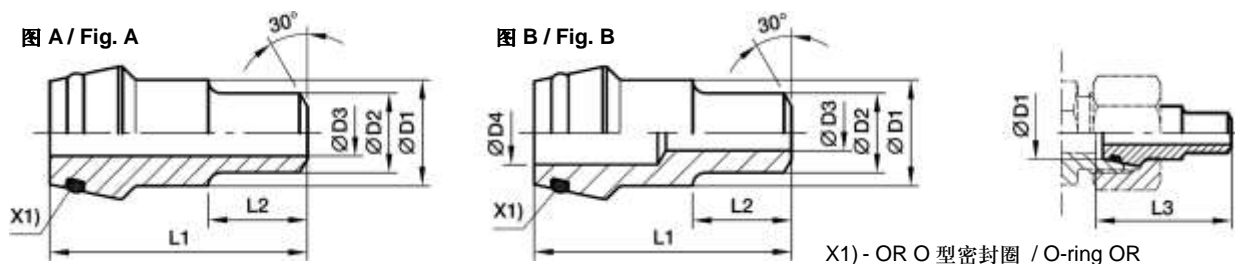
对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢	无	SKA16X2	NBR
不锈钢	71	SKA16X271	VIT

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel	Without	SKA16X2	NBR
Stainless steel	71	SKA16X271	VIT

SKAR 24° 锥端变径焊接接管 - O 型圈密封 24° 锥端 / 对焊  
 SKAR Reducing weld nipple - EO 24° O-ring weld nipple / butt weld



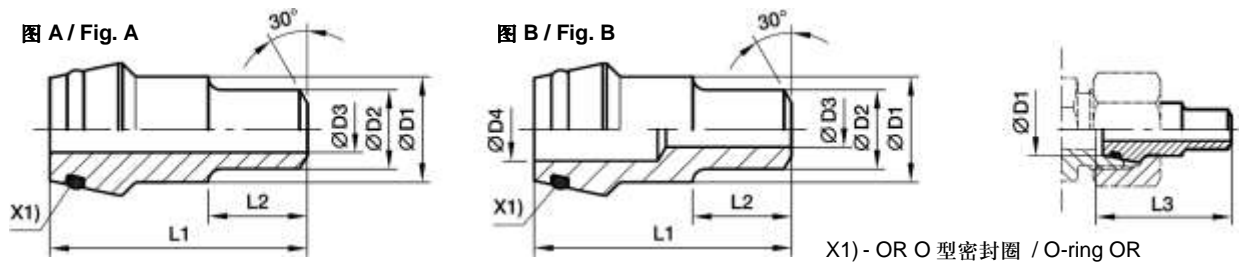
X1) - OR O 型密封圈 / O-ring OR

mm

系列 series	订货代号 Order Code	尺寸 Dimensions								公称压力 <sup>1)</sup> PN / bar <sup>1)</sup>		重量 Weight
		D1	D2	D3	D4	L1	L2	L3	图, Fig.	碳钢, Steel	71	g
L	SKAR08/06X1.5	08	06	3		31.0	12	31.5	A	528	539	14
	SKAR10/06X1.5	10	06	3	5	32.5	12	33.5	B	528	539	15
	SKAR10/08X1.5	10	08	5		32.5	12	33.5	A	414	424	16
	SKAR10/08X2	10	08	4		32.5	12	33.5	A	528	539	17
	SKAR12/08X1.5	12	08	5		32.5	14	33.5	A	414	424	18
	SKAR12/08X2	12	08	4	6	32.5	14	33.5	B	528	539	20
	SKAR12/10X1.5	12	10	7		32.5	14	33.5	A	358	349	18
S	SKAR16/10X2	16	10	6		39.0	15	40.5	A	400	400	43
	SKAR16/12X1.5	16	12	9		39.0	15	40.5	A	305	297	45
	SKAR16/12X2	16	12	8		39.0	15	40.5	A	393	383	47
	SKAR16/12X2.5	16	12	7		39.0	15	40.5	A	400	400	49
	SKAR20/12X1.5	20	12	9		45.0	17	47.0	A	305	297	76
	SKAR20/12X2	20	12	8		45.0	17	47.0	A	393	383	78
	SKAR20/12X2.5	20	12	7		45.0	17	47.0	A	400	400	80
	SKAR20/12X3	20	12	6		45.0	17	47.0	A	400	400	86
	SKAR20/16X2	20	16	12		45.0	17	47.0	A	305	297	74
	SKAR20/16X2.5	20	16	11		45.0	17	47.0	A	372	362	76
	SKAR20/16X3	20	16	10		45.0	17	47.0	A	400	400	78
	SKAR25/12X1.5	25	12	9		49.5	20	53.0	A	305	297	117
	SKAR25/12X2	25	12	8		49.5	20	53.0	A	393	383	121
	SKAR25/12X2.5	25	12	7		49.5	20	53.0	A	400	400	125
	SKAR25/12X3	25	12	6	15	49.5	20	53.0	B	400	400	129
	SKAR25/16X2	25	16	12		49.5	20	53.0	A	305	297	115
	SKAR25/16X2.5	25	16	11		49.5	20	53.0	A	372	362	120
	SKAR25/16X3	25	16	10		49.5	20	53.0	A	400	400	123
	SKAR25/20X2	25	20	16		49.5	20	53.0	A	249	242	94
	SKAR25/20X2.5	25	20	15		49.5	20	53.0	A	305	297	104
	SKAR25/20X3	25	20	14		49.5	20	53.0	A	358	349	114
	SKAR25/20X4	25	20	12		49.5	20	53.0	A	400	400	124
	SKAR30/12X1.5	30	12	9	22	52.0	22	57.0	B	305	297	135
	SKAR30/12X2	30	12	8	22	52.0	22	57.0	B	323	383	145
	SKAR30/12X3	30	12	6	22	52.0	22	57.0	B	400	400	155
	SKAR30/16X2	30	16	12		52.0	22	57.0	A	305	297	166
	SKAR30/16X2.5	30	16	11		52.0	22	57.0	A	323	362	176
	SKAR30/20X2	30	20	16		52.0	22	57.0	A	249	242	149
	SKAR30/20X2.5	30	20	15		52.0	22	57.0	A	305	297	159
	SKAR30/20X3	30	20	14		52.0	22	57.0	A	358	349	169
SKAR30/20X4	30	20	12		52.0	22	57.0	A	400	400	184	
SKAR30/25X2.5	30	25	20		52.0	22	57.0	A	249	242	141	
SKAR30/25X3	30	25	19		52.0	22	57.0	A	294	286	156	
SKAR30/25X4	30	25	17		52.0	22	57.0	A	379	369	168	

SKAR 24° 锥端变径焊接接管 - O 型圈密封 24° 锥端 / 对焊 (续)

SKAR Reducing weld nipple - EO 24° O-ring weld nipple / butt weld (continued)



系列 series	订货代号 Order Code	尺寸 Dimensions								公称压力 <sup>1)</sup> PN / bar <sup>1)</sup>		重量 Weight g
		D1	D2	D3	D4	L1	L2	L3	图, Fig.	碳钢, Steel	71	
S	SKAR38/12X1.5	38	12	9	28	56.5	26	64.0	B	305	297	219
	SKAR38/12X2	38	12	8	28	56.5	26	64.0	B	315	315	234
	SKAR38/12X3	38	12	6	28	56.5	26	64.0	B	315	315	249
	SKAR38/16X2	38	16	12		56.5	26	64.0	A	305	297	279
	SKAR38/16X2.5	38	16	11		56.5	26	64.0	A	315	315	294
	SKAR38/16X3	38	16	10		56.5	26	64.0	A	315	315	309
	SKAR38/20X2	38	20	16		56.5	26	64.0	A	249	242	263
	SKAR38/20X2.5	38	20	15		56.5	26	64.0	A	305	297	278
	SKAR38/20X3	38	20	14		56.5	26	64.0	A	315	315	293
	SKAR38/20X4	38	20	12		56.5	26	64.0	A	315	315	299
	SKAR38/25X2.5	38	25	20		56.5	26	64.0	A	249	242	242
	SKAR38/25X3	38	25	19		56.5	26	64.0	A	294	286	262
	SKAR38/25X4	38	25	17		56.5	26	64.0	A	315	315	285
	SKAR38/30X3	38	30	24		56.5	26	64.0	A	249	242	256
	SKAR38/30X4	38	30	22		56.5	26	64.0	A	315	315	286
SKAR38/30X5	38	30	20		56.5	26	64.0	A	315	315	316	

<sup>1)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Pressure shown means the item deliverable.

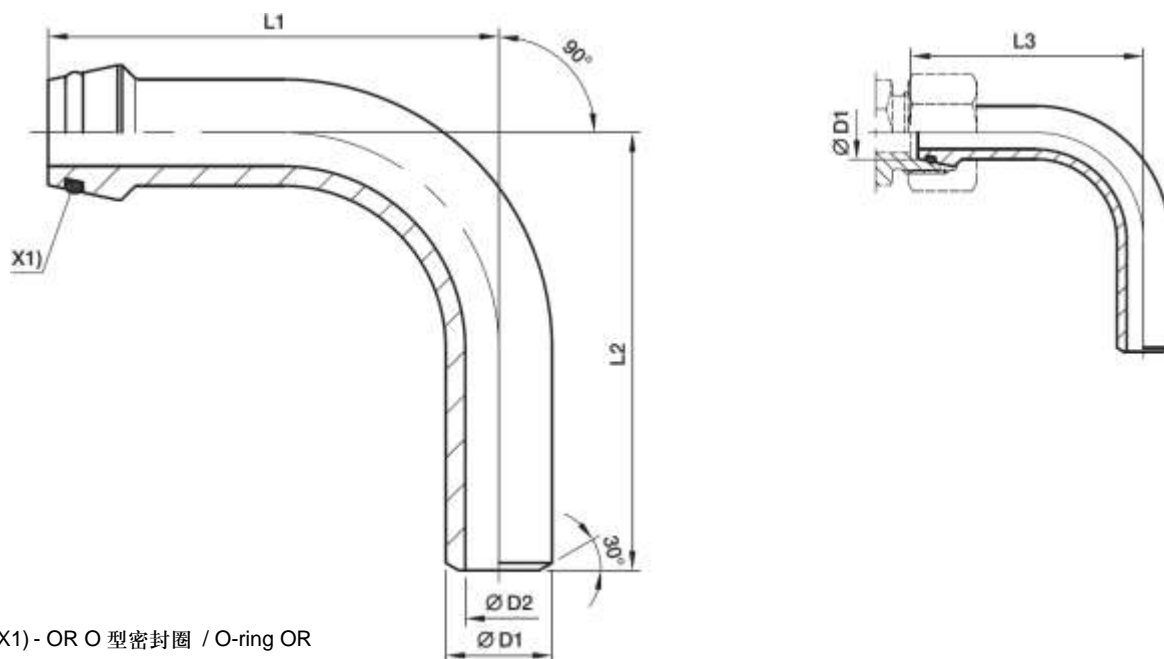
对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面 处理后缀	示例	标准密封材料 (无需加后缀)
碳钢	无	SKAR16/12X2	NBR
不锈钢	71	SKAR16/12X271	VIT

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel	Without	SKAR16/12X2	NBR
Stainless steel	71	SKAR16/12X271	VIT

SKA-RB 24° 锥端弯头焊接接管 - O 型圈密封 24° 锥端 / 对焊  
 SKA-RB Tube bend weld nipple - EO 24° O-ring weld nipple / butt weld



X1) - OR O 型密封圈 / O-ring OR

系列 series	订货代号 Order Code	推荐使用管道 recommended tube	尺寸 Dimensions					公称压力 <sup>1)</sup> PN / bar <sup>1)</sup>		重量 Weight
			D1	D2	L1	L2	L3	碳钢, Steel	71	g
S	SKA10X2RB	10 x 2.0	10	6	49	45	50.0	460	447	38
	SKA12X2.5RB	12 x 2.5	12	7	51	50	52.0	476	463	50
	SKA16X3RB	16 x 3.0	16	10	67	60	68.5	400	400	105
	SKA20X4RB	20 x 4.0	20	12	85	65	87.0	400	400	217
	SKA25X4RB	25 x 4.0	25	17	85	85	88.5	379	369	295
	SKA25X5RB	25 x 5.0	25	15	85	85	88.5	400	400	353
	SKA30X4RB	30 x 4.0	30	22	111	110	116.0	323	314	469
	SKA30X5RB	30 x 5.0	30	20	111	110	116.0	393	383	568
	SKA38X5RB	38 x 5.0	38	28	136	130	143.5	315	315	876
SKA38X6RB	38 x 6.0	38	26	136	130	143.5	315	315	1045	

mm

<sup>1)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

Please add the suffixes below according to the material and surface required:

材料	材料及表面 处理后缀	示例	标准密封材料 (无需加后缀)
碳钢	无	SKA16X3RB	NBR
不锈钢	71	SKA16X3RB71	VIT

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel,	Without	SKA16X3RB	NBR
Stainless steel	71	SKA16X3RB71	VIT



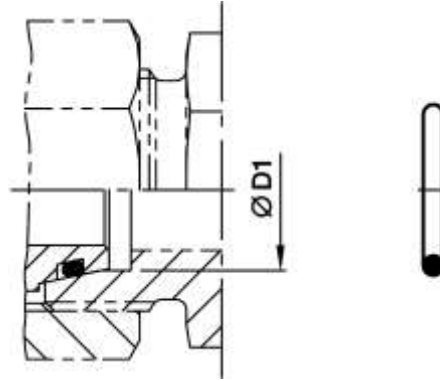
## 管接头系列 / Fitting Series

OR 24° 锥端焊接接管用 O 型密封圈 / OR O-ring for Weld Nipple



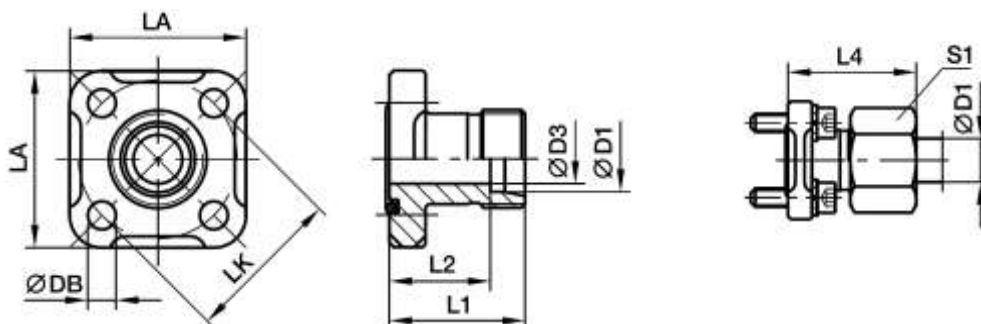
OR 24° 锥端焊接接管用 O 型密封圈 - 适用接管类型: SKA, SKAR, SKA-RB

OR O-ring for weld nipple - For Type: SKA, SKAR, SKA-RB



mm

系列 series	规格 Size	订货代号 Order Code	
		丁腈橡胶 (肖氏硬度约 90) NBR (Shore-hardness approx. 90)	氟橡胶 (肖氏硬度约 90) FKM (Shore-hardness approx. 90)
L	D1		
	06	OR4.5x1.5X	OR4.5x1.5VITX
	08	OR6.5x1.5X	OR6.5x1.5VITX
	10	OR8.5x1.5X	OR8x1.5VITX
	12	OR10.5x1.5X	OR10x1.5VITX
	15	OR12.5x1.5X	OR12x2VITX
	18	OR16x2X	OR15x2VITX
	22	OR20x2X	OR20x2VITX
	28	OR26x2X	OR26x2VITX
	35	OR32x2.5X	OR32x2.5VITX
S	42	OR39x2.5X	OR38x2.5VITX
	06	OR4.5x1.5X	OR4.5x1.5VITX
	08	OR6.5x1.5X	OR6.5x1.5VITX
	10	OR8.5x1.5X	OR8x1.5VITX
	12	OR10.5x1.5X	OR10x1.5VITX
	14	OR12x2X	OR11x2VITX
	16	OR14x2X	OR13x2VITX
	20	OR17x2.5X	OR16.3x2.4VITX
	25	OR22x2.5X	OR20.3x2.4VITX
	30	OR27x2.5X	OR25.3x2.4VITX
38	OR35x2.5X	OR33.3x2.4VITX	

**BFG 齿轮泵法兰直通转接头 - 齿轮泵法兰 / 24° 锥面端**  
 BFG Gear pump flange straight - Hydraulic flange / EO 24° cone end


mm

规格 Size LK	订货代号 <sup>1)</sup> Order Code <sup>1)</sup>	尺寸 Dimensions								螺栓 Screw	O 型密封圈 Screw	公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>	重量 Weight
		D1	D3	L1	L2	L4	LA	DB	S1	M			kg
35	BFG10L/LK35	10L	8	30	23.0	39.0	39	6.4	19	4 - M6x22	20 x 2.5	315	0.15
	BFG12L/LK35	12L	10	30	23.0	39.0	39	6.4	22	4 - M6x22	20 x 2.5	315	0.16
	BFG15L/LK35	15L	12	30	23.0	38.0	39	6.4	27	4 - M6x22	20 x 2.5	250	0.19
	BFG16S/LK35	16S	12	30	21.5	39.5	39	6.4	30	4 - M6x22	20 x 2.5	315	0.21
40	BFG15L/LK40	15L	12	35	28.0	43.0	42	6.4	27	4 - M6x22	26 x 2.5	100	0.17
	BFG18L/LK40	18L	15	35	27.5	44.0	42	6.4	32	4 - M6x22	26 x 2.5	100	0.22
	BFG22L/LK40	22L	19	35	27.5	44.5	42	6.4	36	4 - M6x22	26 x 2.5	100	0.24
	BFG28L/LK40	28L	24	35	27.5	44.5	42	6.4	41	4 - M6x22	26 x 2.5	100	0.28
55	BFG20S/LK55	20S	16	50	39.5	61.0	57	8.4	36	4 - M8x25	32 x 2.5	250	0.35

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		BFG16S/LK35OMD	NBR

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		BFG16S/LK35OMD	NBR

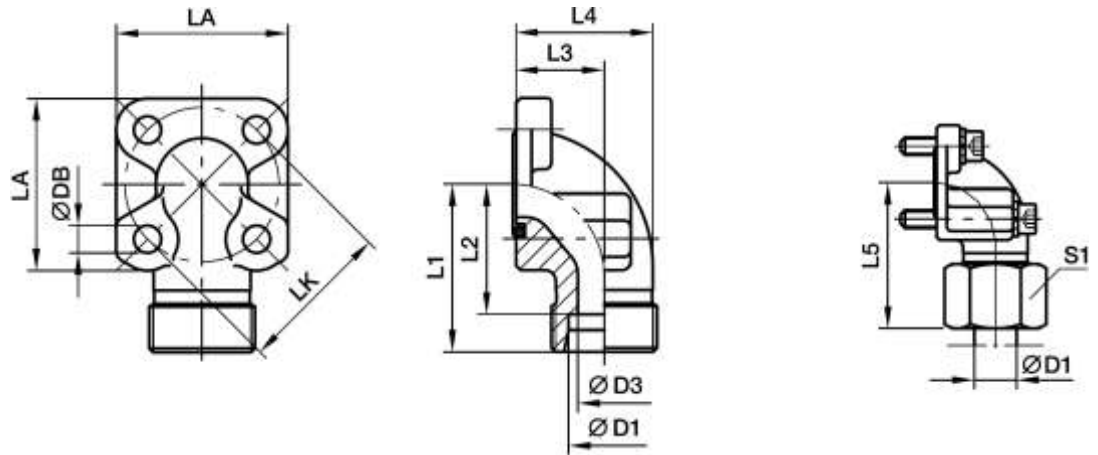
管接头系列 / Fitting Series



BFW 齿轮泵法兰 90° 弯通转接接头 / BFW Gear Pump Flange 90° Elbow

BFW 齿轮泵法兰 90° 弯通转接接头 - 齿轮泵法兰 / 24° 锥面端

BFW Gear pump flange 90° elbow - Hydraulic flange / EO 24° cone end



mm

规格 Size LK	订货代号 <sup>1)</sup> Order Code <sup>1)</sup>	尺寸 Dimensions										螺栓 Screw		O型密封圈 Screw	公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>	重量 Weight
		D1	D3	L1	L2	L3	L4	L5	LA	DB	S1	2件 2 pcs	2件 2 pcs			
35	BFW10L/LK35	10L	8	40	33.0	20.0	32.5	49.0	40	6.4	19	M6x22	M6x40	20 x 2.5	315	0.12
	BFW12L/LK35	12L	10	40	33.0	20.0	32.5	49.0	40	6.4	22	M6x22	M6x40	20 x 2.5	315	0.13
	BFW15L/LK35	15L	12	40	32.5	20.0	32.5	47.5	40	6.4	27	M6x22	M6x40	20 x 2.5	315	0.15
	BFW16S/LK35	16S	12	40	31.5	20.0	32.5	50.0	40	6.4	30	M6x22	M6x40	20 x 2.5	315	0.16
	BFW20S/LK35	20S	16	45	34.5	25.0	38.0	56.0	40	6.4	36	M6x22	M6x45	20 x 2.5	315	0.18
40	BFW15L/LK40	15L	12	40	32.5	24.0	37.5	47.5	42	6.4	27	M6x22	M6x45	26 x 2.5	100	0.28
	BFW18L/LK40	18L	15	40	32.5	24.0	37.5	49.0	42	6.4	32	M6x22	M6x45	26 x 2.5	100	0.28
	BFW22L/LK40	22L	19	40	32.5	24.0	37.5	49.5	42	6.4	36	M6x22	M6x45	26 x 2.5	100	0.28
	BFW28L/LK40	28L	22	41	33.5	34.0	52.5	50.0	42	6.4	41	M6x22	M6x55	26 x 2.5	100	0.39
	BFW35L/LK40	35L	31	41	31.5	34.0	52.5	53.0	42	6.4	50	M6x22	M6x55	26 x 2.5	100	0.42
	BFW20S/LK40	20S	16	40	29.5	24.0	37.5	50.0	42	6.4	36	M6x22	M6x45	26 x 2.5	250	0.39
55	BFW35L/LK55	35L	31	49	38.5	42.0	64.5	62.0	58	8.4	50	M8x25	M8x70	32 x 2.5	250	0.52
	BFW42L/LK55	42L	38	48	38.0	42.0	64.5	61.0	58	8.4	60	M8x25	M8x70	32 x 2.5	250	0.54
	BFW20S/LK55	20S	17	44	34.5	42.0	64.5	56.0	58	8.4	36	M8x25	M8x70	32 x 2.5	250	0.62
	BFW25S/LK55	25S	20	48	37.0	42.0	64.5	61.0	58	8.4	46	M8x25	M8x70	32 x 2.5	250	0.76
	BFW30S/LK55	30S	26	49	35.5	42.0	64.5	62.0	58	8.4	50	M8x25	M8x70	32 x 2.5	250	0.85

<sup>1)</sup> 供货范围不包含螺母及卡套，有关总成及密封材料换用的详细信息，请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值，表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

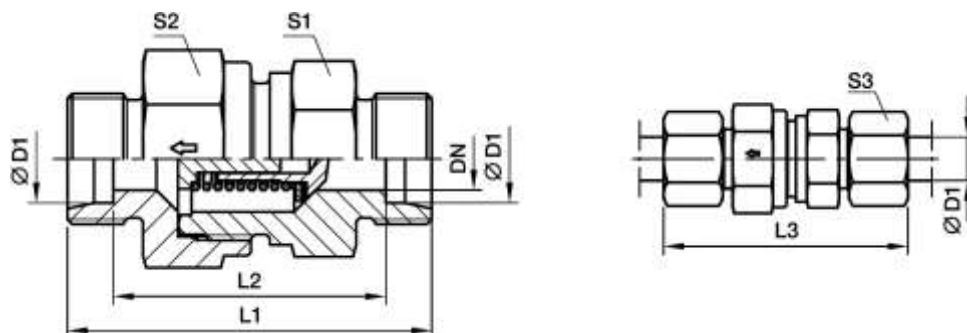
对于管接头材料及表面处理的要求，需在订货代号上添加后缀：

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		BFW16S/LK35OMD	NBR

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		BFW16S/LK35OMD	NBR

RHD 型单向阀 - 24° 锥面端 / 24° 锥面端  
RHD Non return valve - EO 24° cone end / EO 24° cone end



工作压力:

标准开启压力为 1 bar, 0.2, 0.5, 2, 3, 4, 5 bar 等其它开启压力也可按  
要求供货, 请在订货时予以规定。开启压力的差值范围为 ±20%。  
相应的工作压力见下表:

Opening pressure:

As standard, the cracking pressure is 1 bar (on request also 0.2, 0.5,  
2, 3, 4, 5 and 6 bar are available, please specify on order). Cracking  
pressure tolerance: ±20%.  
For working pressure see the table as below:

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	DN		L1		L2	L3	S1	S2		S3	71	g	
				71		71					71				
L	RHD06LOMD	06	3.5	3.5	43.0	43.0	29.0	58.0	17	17	17	14	400	250	46
	RHD08LOMD	08	5.5	5.5	44.0	44.9	30.0	59.0	19	19	19	17	400	250	61
	RHD10LOMD	10	7.5	7.5	55.0	54.5	40.5	69.5	22	24	24	19	400	250	104
	RHD12LOMD	12	9.5	9.5	58.0	57.5	43.5	72.5	27	30	30	22	400	250	166
	RHD15LOMD	15	11.0	11.5	62.0	61.5	47.5	77.5	27	32	32	27	400	250	192
	RHD18LOMD	18	14.0	14.0	67.0	66.5	51.5	83.5	36	41	36	32	400	160	292
	RHD22LOMD	22	18.0	18.0	77.0	76.5	61.5	93.5	41	46	46	36	250	160	472
	RHD28LOMD	28	23.0	23.0	85.0	84.5	69.5	102.5	50	55	55	41	250	100	746
	RHD35LOMD	35	29.0	29.0	96.0	95.5	74.5	117.5	60	65	60	50	250	100	1062
RHD42LOMD	42	29.0	29.0	96.0	96.0	74.0	119.0	65	70	70	60	250	100	1518	
S	RHD06SOMD	06	3.5	3.5	48.5	48.5	34.5	63.5	19	19	19	17	420	400	70
	RHD08SOMD	08	3.5	3.5	48.5	48.5	34.5	63.5	19	19	19	19	420	400	74
	RHD10SOMD	10	5.5	5.5	55.5	55.5	40.5	72.5	22	24	24	22	420	400	121
	RHD12SOMD	12	7.5	7.5	57.5	57.5	42.5	74.5	24	27	27	24	420	400	148
	RHD14SOMD	14	9.5	9.5	64.0	63.5	47.5	82.5	27	32	32	27	420	315	218
	RHD16SOMD	16	11.0	11.5	68.0	67.5	50.5	86.5	32	36	36	30	420	315	286
	RHD20SOMD	20	15.0	15.0	76.0	75.5	54.5	97.5	41	50	46	36	420	250	506
	RHD25SOMD	25	19.0	19.0	83.0	82.5	58.5	106.5	46	55	50	46	420	250	639
	RHD30SOMD	30	24.0	24.0	97.0	96.5	69.5	122.5	60	60	60	50	250	250	1157
	RHD38SOMD	38	29.0	29.0	108.0	107.5	75.5	136.5	65	70	70	60	250	250	1650

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信  
息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering  
complete fittings or alternative sealing materials see “Ordering  
code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

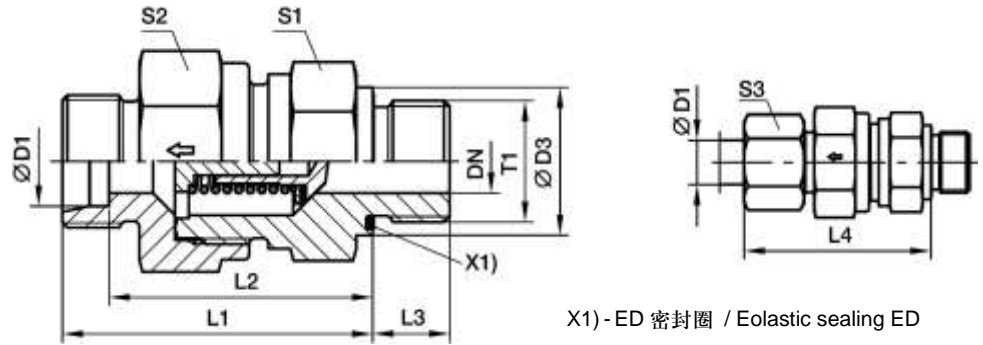
Please add the suffixes below according to the material and surface  
required:

材料	材料及表面 处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		RHD06LOMD	NBR
不锈钢	71	RHD06LOMD71	VIT

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		RHD06LOMD	NBR
Stainless steel	71	RHD06LOMD71	VIT

**RHV-R-ED 型单向阀 - 24° 锥面端 / 英制直管螺纹(G)端, ED 密封圈 (符合 ISO1179)**

RHV-R-ED Non return valve - EO 24° cone end / Male BSPP(G) thread, ED-seal (ISO 1179)



X1) - ED 密封圈 / Eolastic sealing ED

**工作压力:**

标准开启压力为 1 bar, 0.2, 0.5, 2, 3, 4, 5 bar 等其它开启压力也可按  
要求供货, 请在订货时予以规定。开启压力的差值范围为 ±20%。  
相应的工作压力见下表:

**Opening pressure:**

As standard, the cracking pressure is 1 bar (on request also 0.2, 0.5,  
2, 3, 4, 5 and 6 bar are avail able, please specify on order). Cracking  
pressure toler-ance: ±20%.  
For working pressure see the table as below:

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions													公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	DN		T1	D3	L1		L2	L3	L4	S1	S2		S3	71	g	
			71	71			71	71										
L	RHV06LREDDMD	06	3.5	3.5	G 1/8 A	14	35.0	35.0	28.0	8	42.5	17	17	17	14	400	250	47
	RHV08LREDDMD	08	5.5	5.5	G 1/4 A	19	37.0	37.0	30.0	12	44.5	19	19	19	17	400	250	62
	RHV10LREDDMD	10	7.5	7.5	G 1/4 A	19	46.0	45.5	38.5	12	53.0	22	24	24	19	400	250	105
	RHV12LREDDMD	12	9.5	9.5	G 3/8 A	22	50.0	49.5	42.5	12	57.0	27	30	30	22	400	250	175
	RHV15LREDDMD	15	11.0	11.5	G 1/2 A	27	53.0	52.5	45.5	14	60.5	27	32	32	27	400	250	205
	RHV18LREDDMD	18	14.0	14.0	G 1/2 A	27	58.0	57.5	50.0	14	66.0	36	41	36	32	400	160	294
	RHV22LREDDMD	22	18.0	18.0	G 3/4 A	32	63.0	62.5	55.0	16	71.0	41	46	46	36	250	160	450
	RHV28LREDDMD	28	23.0	23.0	G 1 A	40	71.0	70.5	63.0	18	79.5	50	55	55	41	250	100	720
	RHV35LREDDMD	35	29.0	29.0	G 1 1/4 A	50	80.0	79.5	69.0	20	90.5	60	65	60	50	250	100	1050
RHV42LREDDMD	42	29.0	29.0	G 1 1/2 A	55	80.0	79.5	68.5	22	91.0	65	70	70	60	250	100	1560	
S	RHV06SREDDMD	06	3.5	3.5	G 1/4 A	19	38.5	38.5	31.5	12	46.0	19	19	19	17	420	400	73
	RHV08SREDDMD	08	3.5	3.5	G 1/4 A	19	38.5	38.5	31.5	12	46.0	19	19	19	19	420	400	79
	RHV10SREDDMD	10	5.5	5.5	G 3/8 A	22	45.5	45.5	38.0	12	54.0	22	24	24	22	420	400	132
	RHV12SREDDMD	12	7.5	7.5	G 3/8 A	22	48.5	48.5	41.0	12	57.0	24	27	27	24	420	400	153
	RHV14SREDDMD	14	9.5	9.5	G 1/2 A	27	53.0	52.5	44.5	14	62.0	27	32	32	27	420	315	230
	RHV16SREDDMD	16	11.0	11.5	G 1/2 A	27	57.0	56.5	48.0	14	66.0	32	36	36	30	420	315	293
	RHV20SREDDMD	20	15.0	15.0	G 3/4 A	32	63.0	62.5	52.0	16	73.5	41	50	46	36	420	250	511
	RHV25SREDDMD	25	19.0	19.0	G 1 A	40	-	66.5	54.5	18	78.5	46	55	50	46	420	250	648
	RHV30SREDDMD	30	24.0	24.0	G 1 1/4 A	50	78.0	77.5	64.0	20	90.5	60	60	60	50	250	250	1176
	RHV38SREDDMD	38	29.0	29.0	G 1 1/2 A	55	86.0	85.5	69.5	22	100.0	65	70	70	60	250	250	1624

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

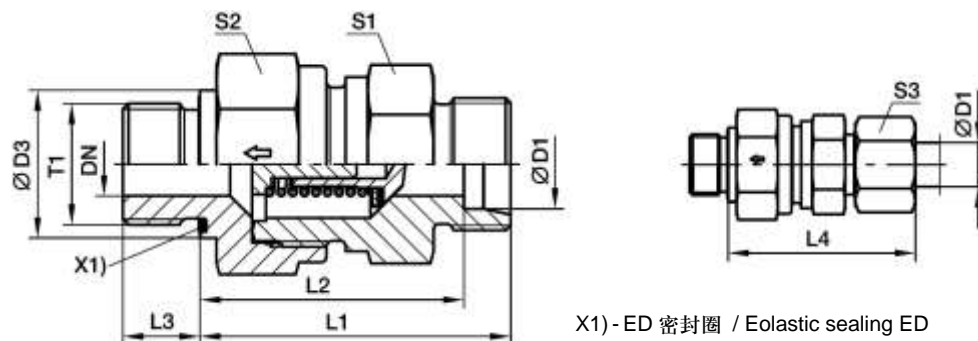
对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		RHV06LREDDMD	NBR
不锈钢	71	RHV06LREDDMD71	VIT

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		RHV06LREDDMD	NBR
Stainless steel	71	RHV06LREDDMD71	VIT

RHZ-R-ED 型单向阀 - 英制直管螺纹(G)端, ED 密封圈 (符合 ISO 1179) / 24° 锥面端  
 RHZ-R-ED Non return valve - Male BSPP(G) thread, ED-seal (ISO 1179) / EO 24° cone end



X1) - ED 密封圈 / Elastic sealing ED

**工作压力:**

标准开启压力为 1 bar, 0.2, 0.5, 2, 3, 4, 5 bar 等其它开启压力也可按  
 要求供货, 请在订货时予以规定。开启压力的差值范围为 ±20%。

相应的工作压力见下表:

**Opening pressure:**

As standard, the cracking pressure is 1 bar (on request also 0.2, 0.5,  
 2, 3, 4, 5 and 6 bar are available, please specify on order). Cracking  
 pressure tolerance: ±20%.

For working pressure see the table as below:

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions														公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	DN		T1	D3	L1		L2	L3	L4	S1	S2		S3	71	g		
				71				71						71					
L	RHZ06LREDO MD	06	3.5	3.5	G 1/8 A	14	33.5	-	26.5	8	41.0	17	17	17	14	400	250	44	
	RHZ08LREDO MD	08	5.5	5.5	G 1/4 A	19	35.5	-	28.5	12	43.0	19	19	19	17	400	250	59	
	RHZ10LREDO MD	10	7.5	7.5	G 1/4 A	19	46.0	-	38.5	12	53.0	22	24	24	19	400	250	125	
	RHZ12LREDO MD	12	9.5	9.5	G 3/8 A	22	48.0	-	40.5	12	55.0	27	30	30	22	400	250	161	
	RHZ15LREDO MD	15	11.0	11.5	G 1/2 A	27	50.0	-	42.5	14	57.5	27	32	32	27	400	250	186	
	RHZ18LREDO MD	18	14.0	14.0	G 1/2 A	27	56.0	-	48.0	14	64.0	36	41	36	32	400	160	275	
	RHZ22LREDO MD	22	18.0	18.0	G 3/4 A	32	64.0	-	56.0	16	72.0	41	46	46	36	250	160	463	
	RHZ28LREDO MD	28	23.0	23.0	G 1 A	40	72.0	-	64.0	18	80.5	50	55	55	41	250	100	721	
	RHZ35LREDO MD	35	29.0	29.0	G 1 1/4 A	50	81.0	-	70.0	20	91.5	60	65	60	50	250	100	1073	
RHZ42LREDO MD	42	29.0	29.0	G 1 1/2 A	55	82.0	-	70.5	22	93.0	65	70	70	60	250	100	1602		
S	RHZ06SREDO MD	06	3.5	3.5	G 1/4 A	19	38.5	-	31.5	12	46.0	19	19	19	17	420	400	71	
	RHZ08SREDO MD	08	3.5	3.5	G 1/4 A	19	38.5	-	31.5	12	46.0	19	19	19	19	420	400	74	
	RHZ10SREDO MD	10	5.5	5.5	G 3/8 A	22	45.5	-	38.0	12	54.0	22	24	24	22	420	400	128	
	RHZ12SREDO MD	12	7.5	7.5	G 3/8 A	22	48.5	-	41.0	12	57.0	24	27	27	24	420	400	152	
	RHZ14SREDO MD	14	9.5	9.5	G 1/2 A	27	52.0	-	43.5	14	61.0	27	32	32	27	420	315	223	
	RHZ16SREDO MD	16	11.0	11.5	G 1/2 A	27	55.0	-	46.0	14	64.0	32	36	36	30	420	315	275	
	RHZ20SREDO MD	20	15.0	15.0	G 3/4 A	32	61.0	-	50.0	16	71.5	41	50	46	36	420	250	490	
	RHZ25SREDO MD	25	19.0	19.0	G 1 A	40	67.0	-	54.5	18	78.5	50	55	50	46	420	250	647	
	RHZ30SREDO MD	30	24.0	24.0	G 1 1/4 A	50	78.0	-	64.0	20	90.5	55	60	60	50	250	250	1180	
	RHZ38SREDO MD	38	29.0	29.0	G 1 1/2 A	55	88.0	-	71.5	22	102.0	65	70	70	60	250	250	1670	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

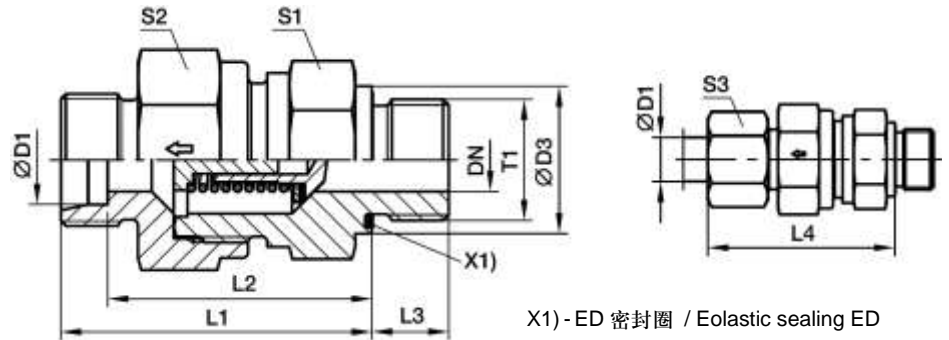
材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		RHZ06LREDO MD	NBR
不锈钢	71	RHZ06LREDO MD71	VIT

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		RHZ06LREDO MD	NBR
Stainless steel	71	RHZ06LREDO MD71	VIT



RHV-M-ED 型单向阀 - 24° 锥面端 / 公制螺纹端, ED 密封圈 (符合 ISO 9974)

RHV-M-ED Non return valve - EO 24° cone end / Male metric thread, ED-seal (ISO 9974)



X1) - ED 密封圈 / Eolastic sealing ED

工作压力:

标准开启压力为 1 bar, 0.2, 0.5, 2, 3, 4, 5 bar 等其它开启压力也可按  
要求供货, 请在订货时予以规定。开启压力的差值范围为 ±20%。  
相应的工作压力见下表:

Opening pressure:

As standard, the cracking pressure is 1 bar (on request also 0.2, 0.5,  
2, 3, 4, 5 and 6 bar are avail able, please specify on order). Cracking  
pressure toler-ance: ±20%.  
For working pressure see the table as below:

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions													公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	DN		T1	D3	L1		L2	L3	L4	S1	S2		S3	71	g	
			71	71			71	71										
L	RHV06LMEDOMD	06	3.5	3.5	M10x1	14	35.0	-	28.0	8	42.5	17	17	17	14	400	250	46
	RHV08LMEDOMD	08	5.5	5.5	M12x1.5	17	36.0	-	29.0	12	43.5	19	19	19	17	400	250	58
	RHV10LMEDOMD	10	7.5	7.5	M14x1.5	19	45.5	-	38.5	12	53.0	22	24	24	19	400	250	108
	RHV12LMEDOMD	12	9.5	9.5	M16x1.5	22	49.5	-	42.5	12	57.0	27	30	30	22	400	250	173
	RHV15LMEDOMD	15	11.0	11.5	M18x1.5	24	52.5	-	45.5	12	60.5	27	32	32	27	400	250	192
	RHV18LMEDOMD	18	14.0	14.0	M22x1.5	27	56.0	-	50.0	14	66.0	36	41	36	32	400	160	298
	RHV22LMEDOMD	22	18.0	18.0	M26x1.5	32	64.0	-	55.0	16	71.0	41	46	46	36	250	160	446
	RHV28LMEDOMD	28	23.0	23.0	M33x2	40	72.0	-	63.0	18	79.5	50	55	55	41	250	100	722
	RHV35LMEDOMD	35	29.0	29.0	M42x2	50	81.0	-	69.0	20	90.5	60	65	60	50	250	100	1053
RHV42LMEDOMD	42	29.0	29.0	M48x2	55	82.0	-	68.5	22	91.0	65	70	70	60	250	100	1563	
S	RHV06SMEDOMD	06	3.5	3.5	M12x1.5	17	38.5	-	31.5	12	46.0	19	19	19	17	420	400	70
	RHV08SMEDOMD	08	3.5	3.5	M14x1.5	19	38.5	-	31.5	12	46.0	19	19	19	19	420	400	76
	RHV10SMEDOMD	10	5.5	5.5	M16x1.5	22	45.5	-	38.0	12	54.0	22	24	24	22	420	400	124
	RHV12SMEDOMD	12	7.5	7.5	M18x1.5	24	48.5	-	41.0	12	57.0	24	27	27	24	420	400	157
	RHV14SMEDOMD	14	9.5	9.5	M20x1.5	26	52.5	-	44.5	14	62.0	27	32	32	27	420	315	215
	RHV16SMEDOMD	16	11.0	11.5	M22x1.5	27	55.0	-	48.0	14	66.0	32	36	36	30	420	315	296
	RHV20SMEDOMD	20	15.0	15.0	M27x2	32	61.0	-	52.0	16	73.5	41	50	46	36	420	250	521
	RHV25SMEDOMD	25	19.0	19.0	M33x2	40	67.0	-	54.5	18	78.5	46	55	50	46	420	250	648
	RHV30SMEDOMD	30	24.0	24.0	M42x2	50	78.0	-	64.0	20	90.5	60	60	60	50	250	250	1178
	RHV38SMEDOMD	38	29.0	29.0	M48x2	55	88.0	-	69.5	22	100.0	65	70	70	60	250	250	1627

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

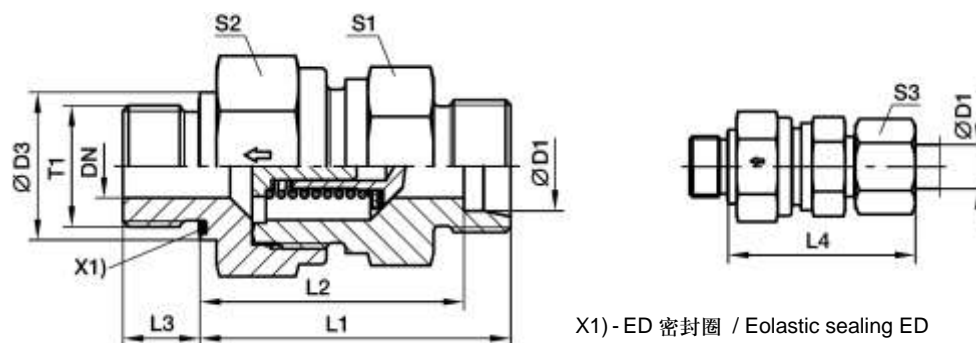
Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		RHV06LMEDOMD	NBR
不锈钢	71	RHV06LMEDOMD71	VIT

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		RHV06LMEDOMD	NBR
Stainless steel	71	RHV06LMEDOMD71	VIT

**RHZ-M-ED 型单向阀 - 公制螺纹端, ED 密封圈 (符合 ISO 9974) / 24° 锥面端**

RHZ-M-ED Non return valve - Male metric thread, ED-seal (ISO 9974) / EO 24° cone end



X1) - ED 密封圈 / Elastic sealing ED

**工作压力:**

 标准开启压力为 1 bar, 0.2, 0.5, 2, 3, 4, 5 bar 等其它开启压力也可按  
要求供货, 请在订货时予以规定。开启压力的差值范围为 ±20%。

相应的工作压力见下表:

**Opening pressure:**

 As standard, the cracking pressure is 1 bar (on request also 0.2, 0.5,  
2, 3, 4, 5 and 6 bar are available, please specify on order). Cracking  
pressure tolerance: ±20%.

For working pressure see the table as below:

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions											公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>		重量 Weight	
		D1	DN	T1	D3	L1	L2	L3	L4	S1	S2	S3	71	g		
L	RHZ06LMEDOMD	06	3.5	M10x1	14	33.5	26.5	8	41.0	17	17	14	400	250	44	
	RHZ08LMEDOMD	08	5.5	M12x1.5	17	35.5	28.5	12	43.0	19	19	17	400	250	58	
	RHZ10LMEDOMD	10	7.5	M14x1.5	19	45.5	38.5	12	53.0	22	24	19	400	250	104	
	RHZ12LMEDOMD	12	9.5	M16x1.5	22	47.5	40.5	12	55.0	27	30	22	400	250	169	
	RHZ15LMEDOMD	15	11.5	M18x1.5	24	49.5	42.5	12	57.5	27	32	27	400	250	174	
	RHZ18LMEDOMD	18	14.0	M22x1.5	27	55.5	48.0	14	64.0	36	41	32	400	160	279	
	RHZ22LMEDOMD	22	18.0	M26x1.5	32	63.5	56.0	16	72.0	41	46	36	250	160	459	
	RHZ28LMEDOMD	28	23.0	M33x2	40	71.5	64.0	18	80.5	50	55	41	250	100	721	
	RHZ35LMEDOMD	35	29.0	M42x2	50	80.5	70.0	20	91.5	60	65	50	250	100	1078	
RHZ42LMEDOMD	42	29.0	M48x2	55	81.5	70.5	22	93.0	65	70	60	250	100	1601		
S	RHZ06SMEDOMD	06	3.5	M12x1.5	17	38.5	31.5	12	46.0	19	19	17	420	400	70	
	RHZ08SMEDOMD	08	3.5	M14x1.5	19	38.5	31.5	12	46.0	19	19	19	420	400	75	
	RHZ10SMEDOMD	10	5.5	M16x1.5	22	45.5	38.0	12	54.0	22	24	22	420	400	123	
	RHZ12SMEDOMD	12	7.5	M18x1.5	24	48.5	41.0	12	57.0	24	27	24	420	400	157	
	RHZ14SMEDOMD	14	9.5	M20x1.5	26	51.5	43.5	14	61.0	27	32	27	420	315	214	
	RHZ16SMEDOMD	16	11.5	M22x1.5	27	54.5	46.0	14	64.0	32	36	30	420	315	279	
	RHZ20SMEDOMD	20	15.0	M27x2	32	60.5	50.0	16	71.5	41	50	36	420	250	487	
	RHZ25SMEDOMD	25	19.0	M33x2	40	68.0	54.5	18	78.5	46	55	46	420	250	647	
	RHZ30SMEDOMD	30	24.0	M42x2	50	77.5	64.0	20	90.5	60	60	50	250	250	1180	
	RHZ38SMEDOMD	38	29.0	M48x2	55	87.5	71.5	22	102.0	65	70	60	250	250	1669	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		RHZ06LMEDOMD	NBR
不锈钢	71	RHZ06LMEDOMD71	VIT

Please add the suffixes below according to the material and surface required:

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		RHZ06LMEDOMD	NBR
Stainless steel	71	RHZ06LMEDOMD71	VIT

WV 型梭阀 - 24° 锥面端 / 24° 锥面端 / 24° 锥面端

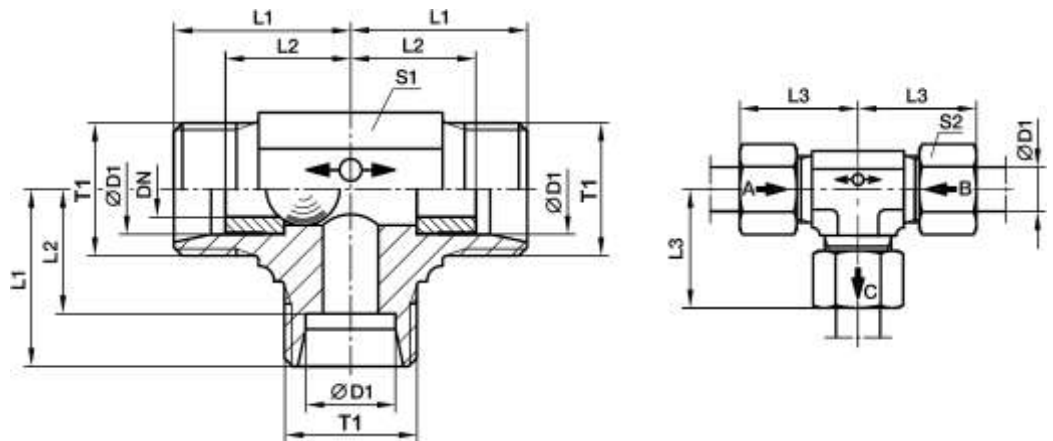
WV Alternating valve - EO 24° cone end / EO 24° cone end / EQ 24° cone end

该型阀允许液流从 A, B 两个进油口中的任何一个进入, 从出油口 C 输出, 同时将另一个进油口关闭, 进油口关闭的动作, 靠浮动的球阀芯在液流的压力作用下移动来实现。

- 材料: 碳钢, 表面处理: 无 Cr(VI) 镀锌。
- 不推荐用于压缩空气与燃气介质。
- 由于锥面孔内存在有止档台肩, WV 型梭阀不能使用焊接接管及带压紧螺母的转向接头一类的管接头, 接头的锥面端头无法与其锥面孔相接触, 不能形成密封。
- 不致造成降低工作压力使用的温度范围: -40°C 至 +120°C
- 泄漏量: 约 20 滴/min (液压试验的试验压力 =  $p_{max}$ )
- 推荐的安装姿态如图所示。

These valves permit the passage of flow from either inlet A or B to the outlet port C, whilst shutting of the inlet port not in use. The shutting off, of an inlet is achieved by a floating ball bearing which moves by the pressure of the flow.

- Material: steel; Surface finish: Cr(VI)-free.
- Valves are not recommended for compressed air and gases.
- WV-valves are not to be used in connection with weld nipples, swivel nuts etc. where there is no contact with a shoulder stop in the inner cone.
- Temperature range without pressure reductions: -40°C up to +120°C.
- Leakage rate for alternating valves (hydraulic test with test pressure =  $P_{max}$ : approx. 20 drops (test period of 1 minute).
- Recommended fitting position as shown in the picture.



系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions								公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>	重量 Weight
		D1	DN	T1	L1	L2	L3	S1	S2	g	
L	WV08LOMD	8	4.5	M14x1.5	21	14	29	14	17	160	53
	WV10LOMD	10	6.0	M16x1.5	22	15	30	17	19	160	73
	WV12LOMD	12	7.5	M18x1.5	24	17	32	19	22	160	96
	WV15LOMD	15	10.0	M22x1.5	28	21	36	19	27	160	134

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
碳钢 无六价铬镀锌		WV08LOMD	NBR

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Steel, zinc plated, Cr(VI)-free		WV08LOMD	NBR

**DV 型截止阀 PN 10, 阀体形式符合 DIN 3512 - 24° 锥面端 / 24° 锥面端**

DV Shut-off valve PN 10, Casing DIN 3512 - EO 24° cone end / EO 24° cone end

适用介质: 冷、热水 (最高温度 80°C), 压缩空气, 矿物油以及 EL 和 L 型燃油 (最高温度 80°C)

For cold and warm water up to 80°C, compressed air, mineral oils and fuel oils types EL and L, 6 bar and up to 80°C.

工作压力: 额定 6 bar, 最高 10 bar

The pressure specification PN for hand-operated shut-off valves applies to the design factor 1.5 (according DIN 3230 T5 and ISO 5208).

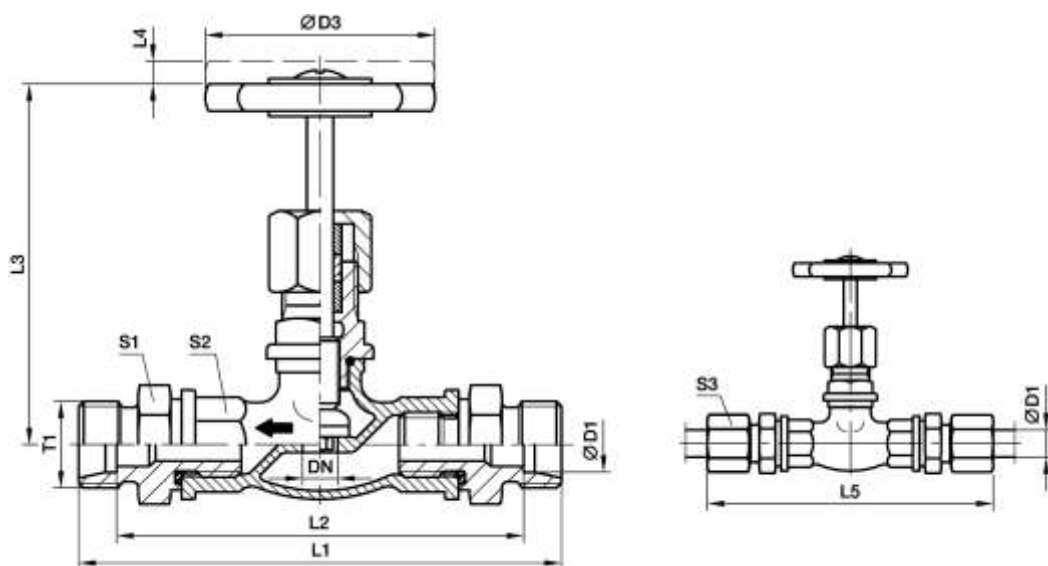
手动操作截止阀的额定工作压力 PN 的设计系数为 1.5 (按 DIN 3230 T5 及 ISO 5208 的规定)。

**Caution!**

Please note the admissible pressure ratings for the EO-tube ends.

**注意:**

请注意 EO 管接头端的容许压力。



mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions											公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>	重量 Weight	
		D1	DN	T1	D3	L1	L2	L3	L4	L5	S1	S2	S3	无表面处理 w/o surface	g
L	DV06LX	06	5	M12x1.5	50	102	88	63	7	117	22	21	14	10	313
	DV08LX	08	6	M14x1.5	50	102	88	63	7	117	22	21	17	10	305
	DV10LX	10	8	M16x1.5	50	104	90	63	7	119	22	21	19	10	308
	DV12LX	12	10	M18x1.5	50	104	90	63	7	119	22	21	22	10	304
	DV15LX	15	12	M22x1.5	50	107	93	65	8	123	27	25	27	10	426
	DV18LX	18	16	M26x1.5	50	109	94	67	8	126	27	25	32	10	434
	DV22LX	22	20	M30x2	60	123	108	67	8	140	32	32	36	10	670
	DV28LX	28	25	M36x2	60	140	125	95	10	158	41	38	41	10	1030
DV35LX	35	32	M45x2	70	166	145	102	10	188	50	47	50	10	1640	

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

Please add the suffixes below according to the material and surface required:

材料	材料及表面 处理后缀	示例	标准密封材料 (无需加后缀)
黄铜 2.0340.02	无	DV06LX	PTFE / NBR

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Brass 2.0340.02	Without	DV06LX	PTFE / NBR

## 管接头系列 / Fitting Series



DV 型截止阀 PN 10, 阀体形式符合 DIN 3512 / DV Shut-off valve PN 10, Casing DIN 3512

### LD 型截止阀 PN 40 - 24° 锥面端 / 24° 锥面端

LD Shut-off valve PN 40 - EO 24° cone end / EO 24° cone end

适用介质: 液压油, 矿物油, 燃油, 柴油及水等

工作温度: 最高 150°C

工作压力: PN 40

手动操作截止阀的额定工作压力 PN 的设计系数为 1.5 (按 DIN 3230 T5 及 ISO 5208 的规定)。

#### 注意:

请注意 EO 管接头端的容许压力。

For hydraulic oil, mineral, oil, fuel oil, Diesel, water etc.

Temperature up to 150°C.

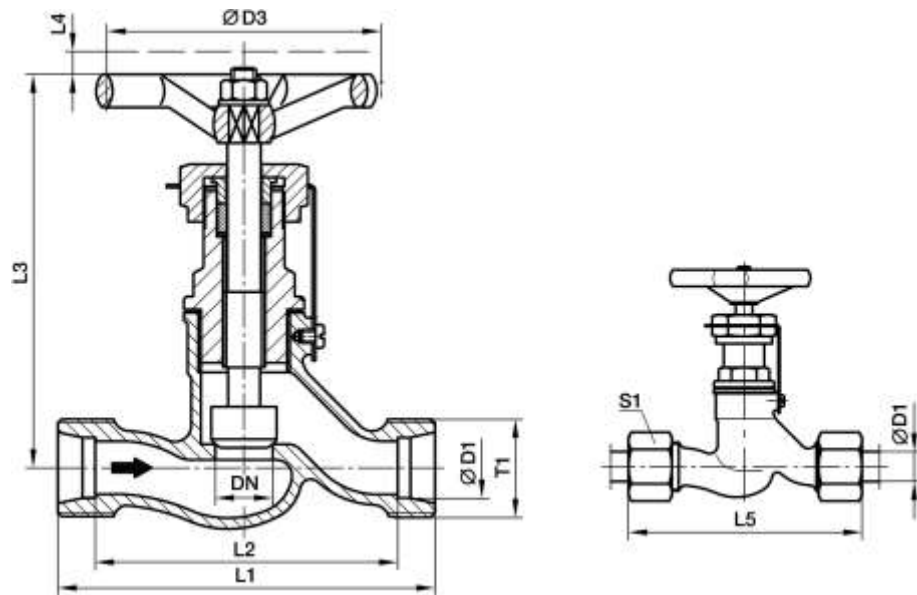
For steam up to 10 bar. For compressed air up to 35 bar on request.

Working pressure: PN 40

The pressure specification PN for hand-operated shut-off valves applies to the design factor 1.5 (according DIN 3230 T5 and ISO 5208).

#### Caution!

Please note the admissible pressure ratings for the EO-tube ends.



mm

系列 series	订货代号 <sup>1)</sup> Ordering Code <sup>1)</sup>	尺寸 Dimensions										公称压力 <sup>2)</sup> PN / bar <sup>2)</sup>	重量 Weight
		D1	DN	T1	D3	L1	L2	L3	L4	L5	S1	无表面处理 w/o surface	g
S	LD10SX	10	6	M18x1.5	63	60	45	98	7	77	22	40	383
	LD12SX	12	8	M20x1.5	63	64	49	98	7	81	24	40	401
	LD14SX	14	10	M22x1.5	63	70	54	98	7	89	27	40	417
	LD16SX	16	12	M24x1.5	80	84	67	110	9	103	30	40	631
	LD20SX	20	16	M30x2	80	90	69	110	9	112	36	40	688
	LD25SX	25	20	M36x2	100	110	86	129	12	134	46	40	1191
	LD30SX	30	25	M42x2	100	120	93	129	12	146	50	40	1322
	LD38SX	38	32	M52x2	100	140	108	158	12	169	60	40	2268

<sup>1)</sup> 供货范围不包含螺母及卡套, 有关总成及密封材料换用的详细信息, 请参阅第 C3 页“订货代号”的相关内容。

<sup>2)</sup> 标有压力值, 表明该项产品有供货。

<sup>1)</sup> Delivery without nut and cutting ring. Information on ordering complete fittings or alternative sealing materials see “Ordering code” on page C3.

<sup>2)</sup> Pressure shown means the item deliverable.

对于管接头材料及表面处理的要求, 需在订货代号上添加后缀:

材料	材料及表面处理后缀	示例	标准密封材料 (无需加后缀)
黄铜 2.0340.02	无	LD06SX	PTFE / NBR

Please add the suffixes below according to the material and surface required:

material	Suffix for surface and material	Example	Standard seal material (no suffix needed)
Brass 2.0340.02	Without	LD06SX	PTFE / NBR





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# 技术资料

# Technical Informations



内容 / Content	页次 / Page
<b>1 液压系统管道尺寸的确定 / Determining tube size for hydraulic systems</b> .....	D1
1.1 管道内径 / Inner diameter of the tube .....	D1
1.2 管道壁厚 / Wall thickness of the tube .....	D2
1.3 管道外径 / Outer diameter of the tube .....	D2
1.4 液压常用钢管尺寸 / Steel tube sizes normally used for hydraulic systems .....	D2
<b>2 法兰安装指南 / Installing instructions for flange connectors</b> .....	D4
2.1 配管 / Piping .....	D5
2.2 法兰的装配 / Flange connector assembly .....	D7
<b>3 管接头油口尺寸 / Ports dimensions for fittings</b> .....	D8
3.1 液压系统优先采用的管接头拧入端及油口形式 / Prefer male stud end for hydraulic applications .....	D8
3.2 直管螺纹管接头油口尺寸 / Port end dimensions for fittings with parallel thread .....	D9
3.3 锥管螺纹管接头油口尺寸 / Port end dimensions for fittings with tapered thread .....	D10
<b>4 液压管件常用钢材牌号对照 / Comparisons of the codes of steels commonly used for connectors</b> .....	D11



### 1 液压系统管道尺寸的确定

液压系统的管道尺寸、材料和类型，以及连接管件的形式，对于系统的高效和无故障运行十分重要，液压系统各部分的管道尺寸需综合优化效率和成本等诸多因素予以确定。管道尺寸的选择包括两个参数，即：管道的内径及其壁厚。

#### 1.1 管道内径

优化管道尺寸对于液压系统至关重要。管道通径太小，管内流速很高，将会带来许多不良影响。对高压管道，会造成紊流和产生很大的摩擦损失，两者均会产生很大的压力降和发热，由此引起运动零件的加速磨损，降低密封件及软管的使用寿命，同时，很大的发热量也说明了能量的浪费，亦即效率降低。若选用的管道过大，则造成系统成本的增加。

管道内径原则上按容许的流速进行选取，可按式(1)计算：

$$d \geq 4.61 \sqrt{\frac{Q}{v}} \quad \text{----- (1)}$$

式中，

- d - 管道内径，mm
- Q - 流量，L/min
- v - 容许的流速，m/s

金属管道内容许的工作液流速建议按表 1 选取。

### 1 Determining tube size for hydraulic systems

Proper tube size, material and type, and type of fitting for a hydraulic system is critical for efficient and trouble free operation of the system. Proper sizing of the tube for various parts of a hydraulic system results in an optimum combination of efficient and cost effective performance. Selection of tube size involves choosing the I.D. (internal diameter) and the wall thickness.

#### 1.1 Inner diameter of the tube

For a hydraulic system, it is very critical to optimize its tube size. A tube that is too small may cause high fluid velocity, which has many effects. In pressure lines, it causes high friction losses and turbulence, both resulting in high pressure drops and heat generation. High heat accelerates wear in moving parts and rapid aging of seals and hoses. High heat generation also means wasted energy, and hence, low efficiency. Too large tubes increase system cost.

It is based on the allowed flow velocity to determine the inner diameter of a tube. Use formula (1) to make the calculation and selection:

Herein,

- d - I.D. of the tube, in mm;
- Q - flow rate, in L/min;
- v - flow velocity, in m/s.

The allowed flow velocity in a metal tube is recommended in table 1.

表 1 容许流速

Table 1 Allowed flow velocity

管道类型 Pipe Type	压力 Pressure	容许流速 Allowed flow velocity	备注 Note
	bar	m/s	
吸油管道 Suction line		≤0.5~1.5	一般取 1m/s 以下 Usually it is Chosen under 1 m/s
压力管道 Pressure line	≤25	≤2.0~3.0	1 压力高或管道短时取大值； In case of higher pressure or shorter pipe, the larger value may be taken; 2 工作液粘度大时取小值。 For larger viscosity of the fluid, the smaller value may be taken.
	>25~63	≤3.0~4.0	
	>63~160	≤4.0~5.0	
	>160	≤5.0~6.0	
回油管道 Return line		≤1.5~3.0	
泄油管道 Drain line		≤1.0	

## 1.2 管道壁厚

金属管道的壁厚可按 (2) 式计算:

$$\delta = \frac{pd}{20[\sigma]} \quad \text{----- (2)}$$

式中:

- $\delta$  - 管道壁厚, mm
- $p$  - 管道内最高工作压力, bar
- $d$  - 管道内径, mm
- $[\sigma]$  - 许用应力, MPa
- 对钢管,  $[\sigma] = \sigma_b/n$ ,  $n$  为安全系数
- 当  $p < 70$  bar 时,  $n$  取为 8
- $p \leq 175$  bar 时,  $n$  取为 6
- $p > 175$  bar 时,  $n$  取为 4
- 对紫铜管, 可取  $[\sigma] = 25$  MPa

## 1.2 Wall thickness of the tube

The wall thickness of a tube can be calculated with formula (2):

In the formula,

- $\delta$  - wall thickness of the tube, in mm
- $p$  - max. operating pressure within the tube, in bar
- $d$  - I. D. of the tube, in mm
- $[\sigma]$  - working stress, in MPa
- For steel tubes,  $[\sigma] = \sigma_b/n$ ,  $n$  is the safety factor
- As  $p < 70$  bar, assume  $n$  as 8
- As  $p \leq 175$  bar, assume  $n$  as 6
- And as  $p > 175$  bar,  $n$  can be assumed as 4
- As for copper tubes,  $[\sigma] = 25$  MPa

## 1.3 管道外径

金属管道的外径应按式(3)计算:

$$D = d + 2\delta \quad \text{----- (3)}$$

计算得到的外径应圆整到表 2 《金属硬管外径系列》规定的数值。

## 1.3 Outer diameter of the tube

The O. D. (outer diameter) of tubes can be calculated with formula (3):

The O. D. of the tube calculated out by formula (3) should be accommodated to the value listed in table 2.

表 2 金属硬管外径系列

4	5	6	8	10	12	14	16	18	20	22	25	28	32	34	38	40	42
50	57	60	63	76	89	100	108	114	127	133	140	152	159	168	180	194	219

Table 2 O. D. series of metal tubes

## 1.4 液压常用钢管尺寸

 液压系统管道通常采用冷拔钢管, 推荐的管道尺寸见表 3, 材料的抗拉强度应为:  $\sigma_b \geq 350$  MPa。

## 1.4 Steel tube sizes normally used for hydraulic systems

 Hard-drawn steel tubes are normally used for hydraulic systems; The recommended sizes are shown in table 3. The tensile strength of the tube material should be:  $\sigma_b \geq 350$  MPa.

表 3 推荐的液压用钢管尺寸

Table 3 Recommended steel tube sizes for hydraulic systems

O. D. x $\delta$	I. D	$p_{work}$	$p_{max}$	容许流量 / Permissible flow rate				
				吸油或泄油管路 Suction or Drain line	回油管路 Return line	压力管路 Pressure line		
				-	-	25~63 bar	63~160 bar	160 bar
mm x mm	mm	bar	bar	L/min				
6 x 1.0	4	350	360	-	2.3	3.0	3.8	4.5
6 x 1.5	3	450	500	-	-	1.7	2.1	2.5
8 x 1.5	5	400	410	1.2	3.5	4.7	5.9	7.1
8 x 2.0	4	630	660	-	-	3.0	3.8	4.5
10 x 1.5	7	320	350	2.3	6.9	9.2	11.6	13.9
10 x 2.0	6	400	470	-	-	6.8	8.5	10.2
12 x 2.0	8	350	400	3.0	9.0	12.0	15.0	18.0
12 x 2.5	7	400	490	-	-	9.2	11.6	13.9
14 x 2.0	10	340	390	4.7	14.0	18.8	23.6	28.3
15 x 2.0	11	310	340	5.7	17.1	22.8	28.5	34.2



表 3 推荐的液压用钢管尺寸 (续)

Table 3 Recommended steel tube sizes for hydraulic systems (continued)

O. D. x $\delta$	I. D	p <sub>op</sub>	p <sub>max</sub>	容许流量 / Permissible flow rate				
				吸油或泄油管路 Suction Drain line	回油管路 Return line	压力管路 Pressure line		
				-	-	25~63 bar	63~160 bar	160 bar
				v ≤ 1.0 m/s	v ≤ 3.0 m/s	v ≤ 4.0 m/s	v ≤ 5.0 m/s	v ≤ 6.0 m/s
mm x mm	mm	bar	bar	L/min				
16 x 2.0	12	280	330	6.8	20.4	27.2	34.0	40.7
16 x 2.5	11	320	350	5.7	17.1	22.8	28.5	34.2
16 x 3.0	10	400	480	-	-	18.8	23.6	28.3
18 x 2.0	14	210	250	9.3	27.8	37.0	46.2	55.4
18 x 3.0	12	350	390	-	-	27.2	34.0	40.7
20 x 2.5	15	250	290	10.6	31.8	42.4	53.0	63.6
20 x 3.0	14	320	350	-	27.8	37.0	46.2	55.4
20 x 4.0	12	400	450	-	-	18.8	23.6	28.3
22 x 3.0	16	250	290	12.0	36.0	48.0	60.0	72.0
25 x 3.0	19	250	290	17.0	57.0	76.0	95.0	114.0
25 x 4.0	17	320	350	-	40.8	54.4	68.0	82.0
25 x 5.0	15	400	520	-	-	42.4	53.0	64.0
28 x 3.0	22	160	210	22.8	68.0	91.0	114.0	-
28 x 4.0	20	210	250	18.8	56.4	75.0	94.0	113.0
30 x 4.0	22	250	300	22.8	68.0	91.0	114.0	137.0
30 x 5.0	20	320	360	-	56.4	75.0	94.0	113.0
30 x 6.0	18	400	410	-	-	61.0	76.0	92.0
34 x 4.0	26	160	210	32.0	96.0	128.0	160.0	192.0
34 x 5.0	24	250	290	-	81.0	108.0	135.0	163.0
34 x 6.0	22	350	380	-	-	91.0	114.0	137.0
35 x 4.0	27	200	240	34.4	103.0	138.0	172.0	206.0
38 x 5.0	28	250	290	37.0	111.0	148.0	185.0	222.0
38 x 6.0	26	320	340	-	96.0	128.0	160.0	192.0
38 x 7.0	24	400	410	-	-	108.0	135.0	163.0
42 x 4.0	34	130	170	54.5	163.0	218.0	-	-
42 x 5.0	32	160	210	48.3	145.0	193.0	242.0	-
42 x 6.0	30	250	290	-	127.0	170.0	212.0	254.0
50 x 6.0	38	160	210	68.0	204.0	272.0	340.0	-
50 x 7.0	36	250	280	-	183.0	244.0	306.0	367.0
50 x 8.0	34	320	350	-	-	218.0	273.0	327.0
60 x 5.0	50	130	170	118.0	353.0	471.0	-	-
60 x 6.0	48	160	200	109.0	326.0	434.0	543.0	-
63 x 10.0	43	300	350	87.0	261.0	348.0	436.0	523.0
76 x 6.0	64	120	160	193.0	579.0	772.0	-	-
89 x 6.0	77	100	130	279.0	838.0	1118.0	-	-
89 x 12.0	65	250	280	-	357.0	476.0	596.0	715.0
100 x 6.0	88	75	90	365.0	1095.0	1460.0	-	-
100 x 14.0	72	250	280	-	733.0	977.0	1222.0	1466.0
114 x 6.0	102	63	75	490.0	1470.0	1960.0	-	-
140 x 8.0	124	70	80	725.0	2175	2900.0	-	-

## 2 液压法兰安装指南

液压元件油口及系统管道可采用管接头或法兰进行连接。由于管接头的安装尺寸较小且安装方便，故较小通径 ( $\leq DN25$ ) 的液压管道常常采用管接头连接。但，对于较大通径的管接头，其安装连接的螺纹较大，需要很大的安装扭矩，给安装工作带来困难，尤其在扳手空间很小的场合，接头难以拧紧，甚至无法安装。此时，法兰连接件可弥补该问题：法兰连接件可将液压负载力分解给四个安装螺栓来承担，每个螺栓所需的紧固力矩就相对较小，可使用较小的扳手，所需的安装空间也大为减小。因此，大通径的液压油口和管道，常常采用法兰进行连接。

有两种类型的液压法兰连接件：一种是符合 ISO 6162 规定的 SAE 法兰，如：SFS、DSFS、AFS/AFSA 等系列法兰组件；另一种是符合 ISO 6164 规定的方法兰，如 VKK 系列法兰。两种法兰均为采用焊接接管与管道焊接连接，并用压板法兰和紧固螺栓予以结合的结构方式，结合处采用 O 形圈密封，结构组成见图 1 - 图 4。

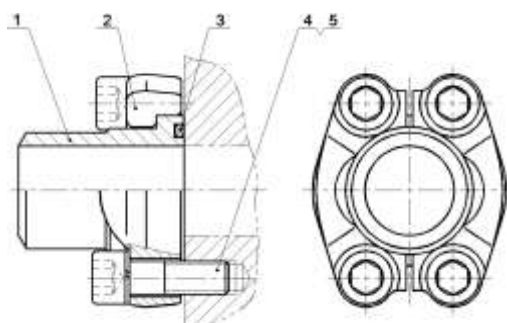


图 1 SAE 油口法兰  
Fig.1 SAE port flange connector

- |  |                        |
|--|------------------------|
| 1 焊接接管<br>Welding head                         | 4 弹簧垫圈<br>Lock washers |
| 2 对开或整体压板法兰<br>Split or one piece flange clamp | 5 紧固螺栓<br>Fixing belts |
| 3 O 形密封圈<br>O-ring                             |                        |

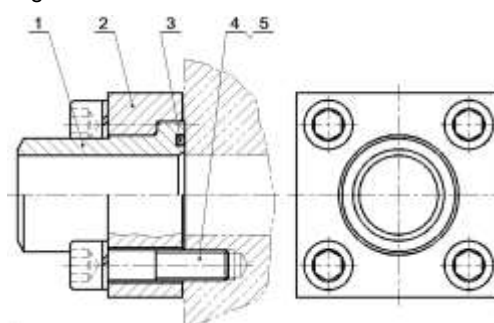


图 2 油口连接方法兰  
Fig.2 Square port flange connector

- |                                |                        |
|--------------------------------|------------------------|
| 1 焊接接管<br>Welding head         | 4 弹簧垫圈<br>Lock washers |
| 2 方压板法兰<br>Square flange clamp | 5 紧固螺栓<br>Fixing belts |
| 3 O 形密封圈<br>O-ring             |                        |

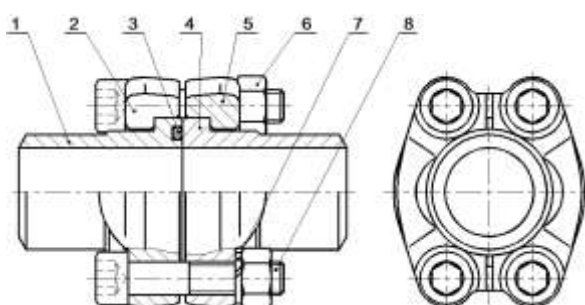


图 3 SAE 管道连接法兰  
Fig.3 SAE flange connector

- |  |                                    |
|--|------------------------------------|
| 1 焊接接管<br>Welding head, O-ring face            | 5 整体压板法兰<br>One piece flange clamp |
| 2 对开或整体压板法兰<br>Split or one piece flange clamp | 6 螺母<br>Fixing nuts                |
| 3 O 形密封圈<br>O-ring                             | 7 弹簧垫圈<br>Lock washers             |
| 4 平端面焊接接管<br>Welding head, flat face           | 8 紧固螺栓<br>Fixing belts             |

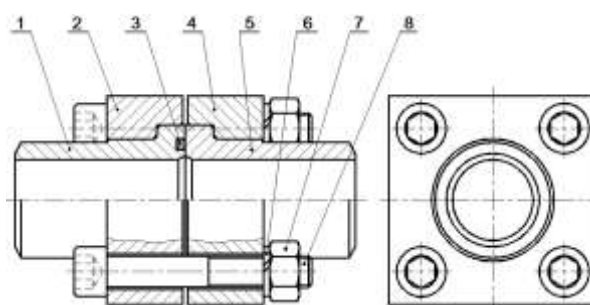


图 4 管道连接方法兰  
Fig.4 Square flange connector

- |                                     |                                      |
|-------------------------------------|--------------------------------------|
| 1 焊接接管<br>Welding head, O-ring face | 5 平端面焊接接管<br>Welding head, flat face |
| 2 方压板法兰<br>Square flange clamp      | 6 螺母<br>Fixing nuts                  |
| 3 O 形密封圈<br>O-ring                  | 7 弹簧垫圈<br>Lock washers               |
| 4 方压板法兰<br>Square flange clamp      | 8 紧固螺栓<br>Fixing belts               |

2.1 配管

液压系统各设备、元件安装就位后，应按设计要求进行配管，以连接组成符合功能要求的液压系统。

2.1.1 管道的配制

按液压系统的连接要求及实际的管道走向布置，截取及弯制管道。管道的布置走向应合理、整齐，应避免因管道安装连接不当，而引起泄漏，设备振动，甚至疲劳破坏。

配制管道时应注意下列要点：

- a) 管道布置应整齐、美观，且利于排故及维修。
- b) 避免过于直接的连接，如图 5 所示。  
过于直接的连接方式，例如直线的（没有任何弯曲）或强制安装到位的连接，必定会造成泄漏。
- c) 留有伸缩的余地，如图 6 所示。  
对于长管道采用“U”形弯曲或软管进行连接，以允许有温度引起的涨缩余地。
- d) 允许在负载力的作用下有活动的余地，如图 7 所示。  
一些看似刚性很好的系统，在承载的情况下，实际上还是会发生移动，可采用“S”形弯曲，以期得到补偿。

2.1 Piping

After all hydraulic equipments and components are mounted in position, they should be connected with proper tubes and hoses according to the design, to compose a complete hydraulic system having all desired functions.

2.1.1 Tube processing

Cut and bend all the tubes properly according to the requirements of the system and the actual routing of the pipe lines. Routing of lines should be logical and orderly. Avoid improper connecting which may cause leak, vibration, even fatigue damages.

The factors below should be considered:

- a) Have a neat appearance and allow for easy trouble shooting, maintenance and repair.
- b) Avoid excessive strain on joint, as shown in Fig.5. A strained joint, for example: a straight line tube assembly (with no bends) or a joint that is forced into position, will eventually leak.
- c) Allow for expansion and contraction, as shown in Fig.6. Use a “U” bend or a hose in long lines to allow for expansion and contraction due to pressure or temperature fluctuations.
- d) Allow for motion under load, as shown in Fig.7. Even some apparently rigid systems do move under load. Use an offset (“S”) bend.

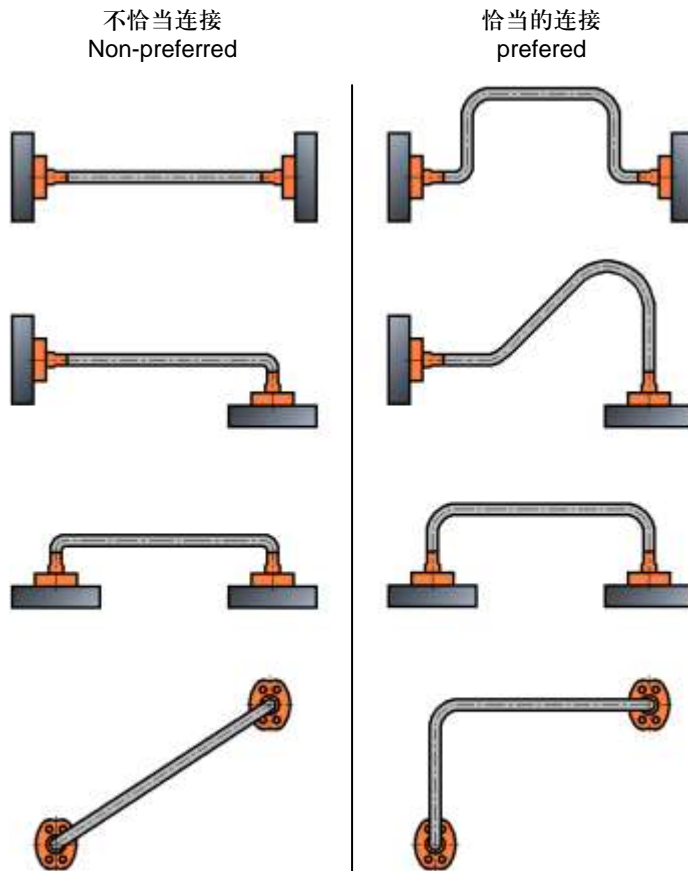


图 5 避免过于直接的连接  
Fig.5 Avoid excessive strain on joint

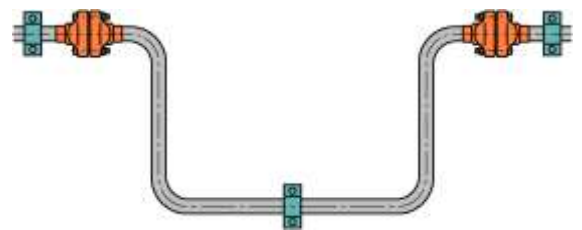


图 6 留有伸缩余地  
Fig.6 Allow for expansion and contraction

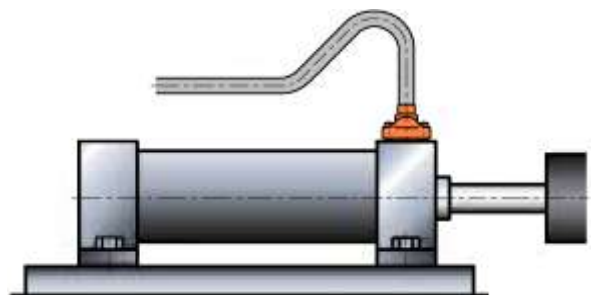


图 7 允许在负载力的作用下有活动的余地  
Fig.7 Allow for motion under load

- e) 在管道需绕过障碍物时，勿采用  $90^\circ$  的弯角，而尽可能采用  $45^\circ$  弯角，因为  $90^\circ$  弯角的液阻压降远大于  $45^\circ$  弯角的压降，如图 8 所示。
- f) 管路的布置应为需要定期维护的元器件留出维修空间。
- g) 为管路连接件（法兰、管接头）留出安装空间，否则连接件的安装及紧固十分困难，将会在安装、维护工作上浪费较多的时间，如图 9 所示。

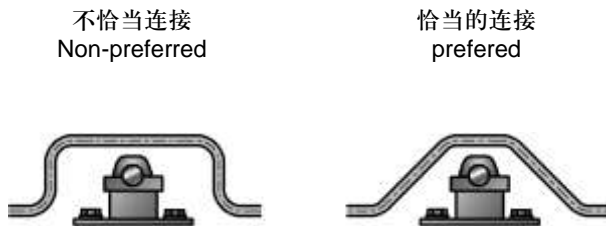


图 8 管道需绕过障碍物  
Fig.8 Get around obstructions

- e) Get around obstructions without using excessive amount of  $90^\circ$  bends, because the pressure drop due to one  $90^\circ$  bend is greater than that due to two  $45^\circ$  bends, as shown in Fig.8.
- f) Keep tube lines away from components that require regular maintenance.
- g) Leave fitting joints as accessible as possible. Inaccessible joints are more difficult to assemble and tighten properly, and more time consuming to service, as shown in Fig.9.

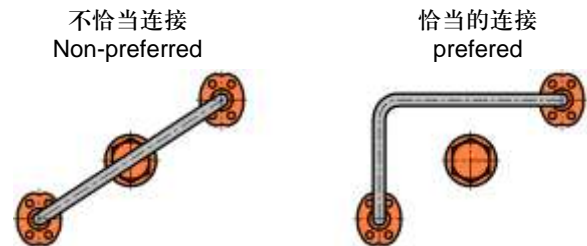


图 9 留出安装、维修空间  
Fig.9 Leave space for mounting and regular maintenance

### 2.1.2 法兰的安装与焊接

法兰的安装与焊接按以下步骤进行：

- a) 配管时，所用的法兰均应按图 1 - 图 4 所示进行预装配，并与相连接的管道点焊定位。法兰预装配时，应检查确认法兰接头的密封面，无毛刺、划痕、擦伤及外来污染颗粒等，勿装 O 形密封圈及弹簧垫圈，以免点焊及重复装配时损坏。
- b) 与法兰焊接接头对焊的管道端面应平整，与管道轴线应垂直，偏斜不超过  $2^\circ$ ，并按图 10 所示开坡口，以确保焊接可靠。

### 2.1.2 Mounting and welding of flange connectors

Mounting and welding work of flange connectors can be carried out as follows:

- a) When piping, all the flange connectors being used should be preassembled as shown in Fig.1- Fig.4, and positioned and joined to the tubes by spot welding. Before preassembly, check sealing surfaces of the flange heads, and make sure there are free of burres, nicks, scratches or any foreign particles. The O-ring and lock washes are not be mounted on during preassembly, to avoid damages from welding and reassembling.
- b) The tube end sections welded with the flange heads should be flat and perpendicular to the tube axes. The obliqueness should not exceeds  $2^\circ$ . And the pipe end should be chamfered as shown in Fig.10, to insure the reliability of welding.

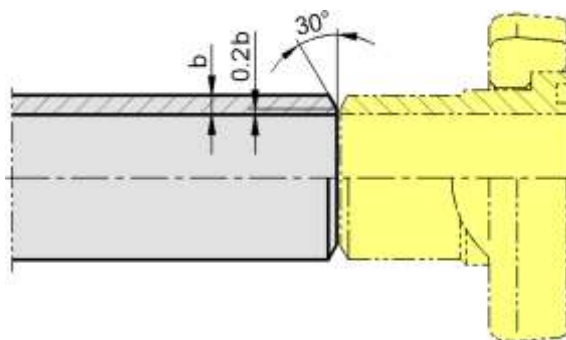


图 10 管端开焊接坡口  
Fig.10 Tube end chamfering

- c) 拆卸配置好的管道，在专门的焊接工作台上完成管道与法兰接头的焊接，并清理干净焊接处的焊渣等杂物。
- d) 焊接完成的管道应进行酸洗，并冲洗干净。

- c) Disassemble the arranged pipe line. Weld up the tubes and the flange heads, and clean up all welding spatters and slags.
- d) The welded tubes should be pickled, and flushed clean.

2.2 法兰的装配

管道配置并清洗完成后，便可进行系统的最终安装。法兰的正确装配应按下列步骤进行：

- a) 在 O 形圈上涂少许液压油润滑，将其装入接头 O 形圈槽内到位；
- b) 将压板法兰或对开法兰安放到位；
- c) 对于油口连接法兰(图 1 及图 2 所示)，螺栓装上弹簧垫圈后，穿入法兰螺栓孔，并拧入油口螺纹孔内；对于管道连接法兰(图 3 及图 4 所示)，螺栓应在穿过法兰螺栓孔后装上弹簧垫圈及螺帽；
- d) 手工拧紧螺栓或螺帽；
- e) 拧紧螺栓或螺帽时应按对角顺序进行（见图 11），并逐渐均匀地将其拧紧至恰当的力矩，拧紧力矩见表 4 和表 5。

2.2 Flange connector assembly

As the piping work is fulfilled and all tubes are cleaned, the system can be reinstalled. The steps to properly assemble the flange connectors are as follows:

- a) Lubricate the O-ring, and install it into the groove on the sealing surface of the join head;
- b) Position flange and clamp halves;
- c) For port flange connectors, place lock washers on bolts and insert through the clamp flange or clamp halves; For pipe line flange connectors, insert bolts through the clamp flange or clamp halves, then place lock washers and nuts on;
- d) Hand tighten bolts or nuts;
- e) Torque bolts or nuts in diagonal sequence (see Fig.11) in small increments to the appropriate torque level listed in Table 4 and Table 5.

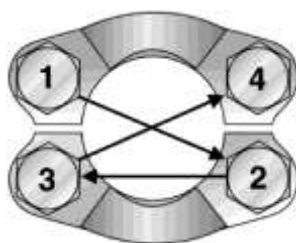


图 11 法兰螺栓拧紧顺序  
Fig.11 Flange bolt tightening sequence

表 4 SAE 法兰推荐螺栓拧紧力矩

Table 4 SAE flange recommended bolt torque

法兰规格 Flange Size		公制螺栓 Metric Bolt	拧紧力矩* Torque*	英制螺栓 Inch Bolt	拧紧力矩* Torque*
mm	inch	ISO 6162	N-m (+10%)	SAE J518C	N-m (+10%)
ISO 6162-1 / SAE J581C-61 (3000 psi)					
13	1/2	M8	32	5/16-18	32
19	3/4	M10	70	3/8-16	60
25	1	M10	70	3/8-16	60
32	1-1/4	M10	70	7/16-14	92
38	1-1/2	M12	130	1/2-13	150
51	2	M12	130	1/2-13	150
64	2-1/2	M12	130	1/2-13	150
76	3	M16	295	5/8-11	295
89	3-1/2	M16	295	5/8-11	295
102	4	M16	295	5/8-11	295
127	5	M16	295	5/8-11	295
ISO 6162-2 / SAE J518C-62 (6000 psi)					
13	1/2	M8	32	5/16-18	
19	3/4	M10	70	3/8-16	
25	1	M12	130	7/16-14	
32	1-1/4	M12	130	1/2-13	
		M14	180		
38	1-1/2	M16	295	5/8-11	
51	2	M20	550	3/4-10	

表 5 液压方法兰推荐螺栓拧紧力矩

Table 5 Square flange recommended bolt torque

法兰规格 Flange Size	螺栓 Bolt	拧紧力矩* Torque*	螺栓 Bolt	拧紧力矩* Torque*
DN		N-m (+10%)		N-m (+10%)
	25 MPa series		40 MPa series	
10	M6	12	M6	12
13	M8	32	M8	32
19	M8	32	M8	32
25	M10	65	M10	65
32	M12	120	M12	120
38	M16	275	M16	275
51	M16	275	M16	275
56	M20	490	M20	490
63	M20	490	M24	1000
70	-	-	M24	1000
80	-	-	M30	2000

\* 使用强度等级为 10.9 的高强度螺栓。  
Belts of property class 10.9 are used.



### 3 管接头油口尺寸

#### 3.1 液压系统优先采用的管接头拧入端及油口形式

采用 O 型圈密封, 对公制螺纹, 符合 ISO 6149; 对 UN 螺纹则符合 ISO11926。

固定的管接头拧入端  
不带密封挡圈

O 型圈密封

公制螺纹 - 符合 ISO 6149-2/3

UN 螺纹 - 符合 ISO 11926-2/3

Male stud non adjustable  
without retaining-ring

Sealing O-ring

Metric - ISO 6149

UN - ISO 11926-2/3

### 3 Port end dimensions for fittings

#### 3.1 Prefer male stud end for hydraulic applications

Sealed with O-ring. The metric version is according to ISO 6149, and the UN version is according to ISO 11926.

固定的管接头拧入端  
不带密封挡圈

O 型圈密封

公制螺纹 - 符合 ISO 6149-2/3

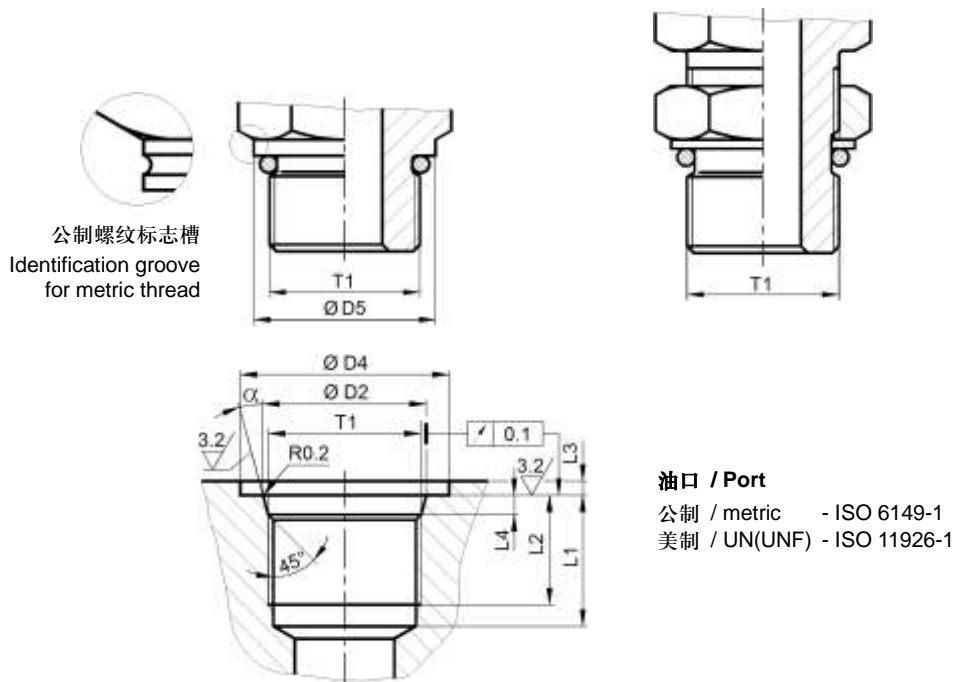
UN 螺纹 - 符合 ISO 11926-2/3

Male stud non adjustable  
without retaining-ring

Sealing O-ring

Metric - ISO 6149

UN - ISO 11926-2/3



mm

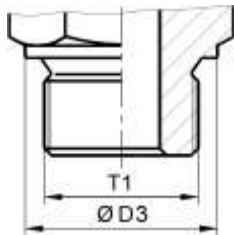
螺纹 / Thread			D2 +0.1	D4-1 min	D4-2 min	D5	L1 min	L2 min	L3 max	L4 +0.2	$\alpha$
T1	大径 major dia.	小径 minor dia.									
M 8x1	8.00	6.92	9.10	14	17	11.8	11.5	10.0	1.0	1.6	12°
M 10x1	10.00	8.92	11.10	16	20	13.8	11.5	10.0	1.0	1.6	12°
M 12x1.5	12.00	10.38	13.80	19	23	16.8	14.0	11.5	1.5	2.4	15°
M 14x1.5	14.00	12.38	15.80	21	25	18.8	14.0	11.5	1.5	2.4	15°
M 16x1.5	16.00	14.38	17.80	24	28	21.8	15.5	13.0	1.5	2.4	15°
M 18x1.5	18.00	16.38	19.80	26	30	23.8	17.0	14.5	2.0	2.4	15°
M 22x1.5	22.00	20.38	23.80	29	34	26.8	18.0	15.5	2.0	2.4	15°
M 27x2	27.00	24.84	29.40	34	40	31.8	22.0	19.0	2.0	3.1	15°
M 33x2	33.00	30.84	35.40	43	49	40.8	22.0	19.0	2.5	3.1	15°
M 42x2	42.00	39.84	44.40	52	60	49.8	22.5	19.5	2.5	3.1	15°
M 48x2	48.00	45.84	50.40	57	66	54.8	25.0	22.0	2.5	3.1	15°
7/16-20 UNF-2B	11.11	9.74	12.40	21	-	13.8	14.0	11.5	1.6	2.4	12°
9/16-18 UNF-2B	14.29	12.76	15.65	25	-	16.8	15.5	12.7	1.6	2.5	12°
3/4-16 UNF-2B	19.05	17.33	20.60	30	-	21.8	17.5	14.3	2.4	2.5	15°
7/8-14 UNF-2B	22.23	20.26	23.95	34	-	26.8	20.0	16.7	2.4	2.5	15°
1 1/16-12 UN-2B	26.99	24.69	29.15	41	-	31.8	23.0	19.0	2.4	3.3	15°
1 5/16-12 UN-2B	33.34	31.04	35.50	49	-	40.8	23.0	19.0	3.2	3.3	15°
1 5/8-12 UN-2B	41.28	38.99	43.50	58	-	49.8	23.0	19.0	3.2	3.3	15°
1 7/8-12 UN-2B	47.63	45.33	49.85	65	-	54.8	23.0	19.0	3.2	3.3	15°

3.2 直管螺纹管接头油口尺寸

3.2 Port end dimensions for fittings with parallel thread

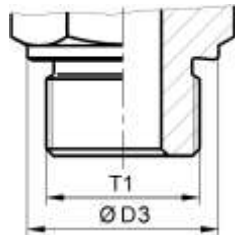
**A 型拧入端**  
**Male stud type A**

密封: 密封垫圈  
sealing: Sealing washer  
公制 / metric: DIN 3852-1  
英制 / BSPP: DIN 3852-2



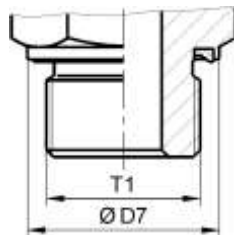
**B 型拧入端**  
**Male stud type B**

密封: 金属接触  
sealing: Cutting face  
公制 / metric: ISO 9974-3  
英制 / BSPP: ISO 1197-4



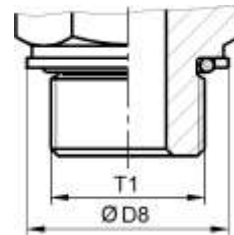
**E 型拧入端**  
**Male stud type E**

密封: ED 密封圈  
sealing: Elastolic seal ED  
公制 / metric: ISO 9974-2  
英制 / BSPP: ISO 1197-2



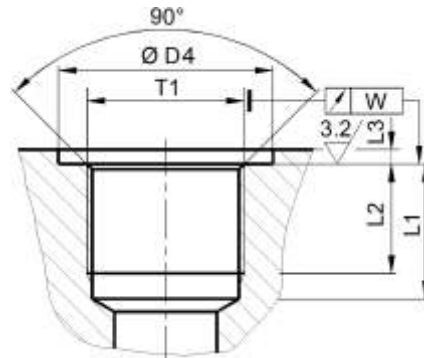
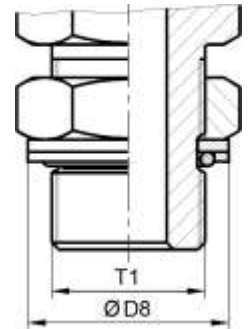
**G 型拧入端**  
**Male stud type G**

密封: O 型圈+挡圈  
sealing: O-ring + retaining-ring  
公制 / metric: -  
英制 / BSPP: ISO 1197-3



**H 型可转向拧入端**  
**Male stud type H (adjustable)**

密封: O 型圈+挡圈  
sealing: O-ring + retaining-ring  
公制 / metric: -  
英制 / BSPP: ISO 1197-3



**X 型油口**  
**Port type X**

公制 / metric - ISO 9974-1  
英制 / BSPP - ISO 1179-1

mm

螺纹 / Thread			D3	D4		D7	D8		L1 min	L2 min	L3 max	W
T1	大径 major dia.	小径 minor dia.		小 / small min	大* / Wide* +0.4		小 small	大 Wide				
M 8x1	8.00	6.92				11.8	12.8	13.15			1.0	0.1
M 10x1	10.00	8.92	13.9	15	20	13.9	14.8	14.75	10	8	1.0	0.1
M 12x1.5	12.00	10.38	16.9	18	25	16.9	17.8	17.75	15	12	1.5	0.1
M 14x1.5	14.00	12.38	18.9	20	25	18.9	19.8	19.75	15	12	1.5	0.1
M 16x1.5	16.00	14.38	20.9	23	28	21.9	22.8	21.75	15	12	1.5	0.1
M 18x1.5	18.00	16.38	22.9	25	30	23.9	24.8	23.75	15	12	2.0	0.1
M 20x1.5	20.00	18.38	24.9	27	34	25.9	26.8	25.75	17	14	2.0	0.1
M 22x1.5	22.00	20.38	26.9	28	34	26.9	27.8	27.75	17	14	2.5	0.1
M 26x1.5	26.00	24.38	30.9	33	42	31.9	32.8	31.75	19	16	2.5	0.2
M 27x2	27.00	24.84	31.9	33	42	31.9	32.8	32.75	20	16	2.5	0.2
M 33x2	33.00	30.84	38.9	41	47	39.9	40.8	39.75	22	18	2.5	0.2
M 42x2	42.00	39.84	48.9	51	58	49.9	50.8	49.75	24	20	2.5	0.2
M 48x2	48.00	45.84	54.9	56	65	54.9	55.8	54.95	26	22	2.5	0.2
G 1/8 A	9.73	8.57	13.8	15	19	13.9	14.8	15.0	10	8	1.0	0.1
G 1/4 A	13.16	11.45	17.8	20	25	18.9	19.8	19.5	15	12	1.5	0.1
G 3/8 A	16.66	14.95	21.8	23	28	21.9	22.8	23.5	15	12	2.0	0.1
G 1/2 A	20.96	18.63	25.8	28	34	26.9	27.8	28.5	17	14	2.5	0.1
G 3/4 A	26.44	24.12	31.8	33	42	31.9	32.8	34.5	19	16	2.5	0.2
G 1 A	33.25	30.29	38.8	41	47	39.9	40.8	43.5	22	18	2.5	0.2
G 1 1/4 A	41.91	38.95	48.8	51	58	49.9	50.8	52.5	24	20	2.5	0.2
G 1 1/2 A	47.80	44.85	54.8	56	65	54.9	55.8	60.0	26	22	2.5	0.2

\* 对英制螺纹, 该尺寸比 ISO 1179-1 规定的数值有所增大, 以适应安装多种类型的密封圈。

\* For inch threads: Enlarged diameter vs. ISO 1179-1 to adopt multiple seal ring designs.



### 3.3 锥管螺纹管接头油口尺寸

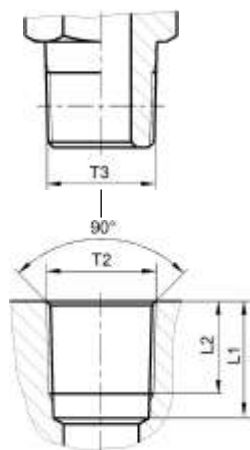
### 3.3 Port end dimensions for fittings with tapered thread

#### NPT 螺纹拧入端 / Male stud NPT

密封 / Sealing: 锥螺纹密封  
Tapered thread

NPT: ANSI/ASME B 1.20.1-1983

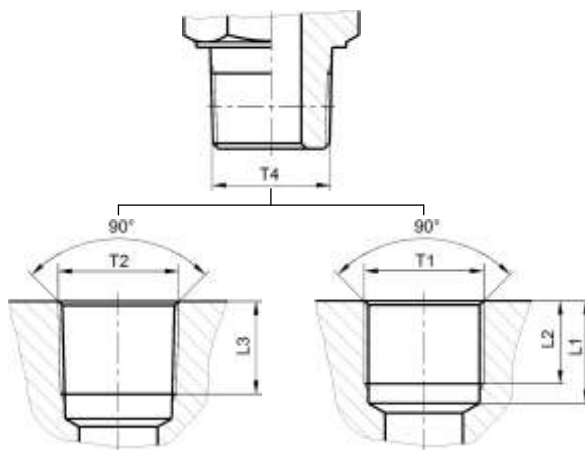
NPTF: ANSI/ASME B 1.20.3-1976



#### BSPT 螺纹拧入端 / Male stud BSPT

密封 / Sealing: 锥螺纹密封\*  
Tapered thread\*

ISO 7 / BS 21 / DIN 2999-1

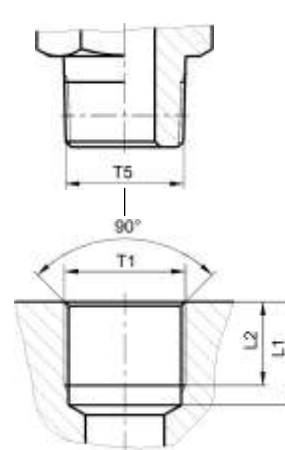


#### C型拧入端 / Male stud type C

密封 / Sealing: 锥螺纹密封\*  
Tapered thread\*

公制 / metric: DIN 3852-1

英制 / BSPP: DIN 3852-2



#### NPT 螺纹油口 / Male stud NPT

NPT: ANSI/ASME B 1.20.1-1983

NPTF: ANSI/ASME B 1.20.3-1976

#### BSPT 油口 / Port BSPT

ISO 7/1-Rc / BS 21-Rc

DIN 2999-Rc

#### BSPP 油口 / Port BSPP (ISO 1179-1)

ISO 7/1-Rp / BS 21-Rp

DIN 2999-Rp

#### 直螺纹油口 / Port (parallel)

公制 / metric: DIN 3852-1

英制 / BSPP: DIN 3852-2

\* 需使用塑料或液体填料方具有拧紧密封效果。

\* Tightness can only be achieved by liquid or plastic sealing aids.

油口内螺纹 / Port thread		管接头拧入端螺纹 / Thread of male stud			mm		
T1	T2	T3	T4	T5	L1 min	L2 min	L3 min
	1/8-27 NPT	1/8-27 NPT			11.6	6.9	
	1/4-18 NPT	1/4-18 NPT			16.4	10.0	
	3/8-18 NPT	3/8-18 NPT			17.4	10.3	
	1/2-14 NPT	1/2-14 NPT			22.6	13.6	
	3/4 14NPT	3/4 14NPT			23.1	14.1	
	1-11.5 NPT	1-11.5 NPT			27.8	16.8	
	1 1/4-11.5 NPT	1 1/4-11.5 NPT			28.3	17.3	
	1 1/2-11.5 NPT	1 1/2-11.5 NPT			28.3	17.3	
Rp 1/8	Rc 1/8		R 1/8		9.7	7.9	7.4
Rp 1/4	Rc 1/4		R 1/4		12.0	11.2	11.0
Rp 3/8	Rc 3/8		R 3/8		13.5	12.0	11.4
Rp 1/2	Rc 1/2		R 1/2		17.6	15.0	15.0
Rp 3/4	Rc 3/4		R 3/4		19.1	16.0	16.3
Rp 1	Rc 1		R 1		21.4	19.1	19.0
Rp 1 1/4	Rc 1 1/4		R 1 1/4		21.4	19.9	21.4
Rp 1 1/2	Rc 1 1/2		R 1 1/2		22.4	20.6	21.4
M 8x1				M 8x1 tap.	10.0	5.5	
M 10x1				M 10x1 tap.	10.0	5.5	
M 12x1.5				M 12x1.5 tap.	13.5	8.5	
M 14x1.5				M 14x1.5 tap.	13.5	8.5	
M 16x1.5				M 16x1.5 tap.	13.5	8.5	
M 18x1.5				M 18x1.5 tap.	13.5	8.5	
M 20x1.5				M 20x1.5 tap.	15.5	10.5	
M 22x1.5				M 22x1.5 tap.	15.5	10.5	
Rp 1/8				Rc 1/8	8.5	5.5	
Rp 1/4				Rc 1/4	12.5	8.5	
Rp 3/8				Rc 3/8	12.5	8.5	
Rp 1/2				Rc 1/2	16.5	10.5	

4 液压管件常用钢材牌号对照

各国常用的液压管件用钢材的牌号对照见表 6 所示:

4 Comparisons of the codes of steels commonly used for connectors

The comparison of various countries' codes of steels used for hydraulic connectors is shown in table 6:

表 6 各国钢号对照表

Table 6 Comparisons of steel codes of varies countries

国家 Countries	中国 P. R. China	美国 U. S. A.		德国 Germany		力学特性 Mechanical characteristics		
						$\sigma_b \geq$	$\sigma_s \geq$	$\delta_s \geq$
						MPa	MPa	%
	GB	ASTM/AISI	UNS	DIN	W-Nr			
碳素钢 Carbon steel	Q235A Q235B	A570Gr. A A570Gr. D	K02501 K02502	S235JR S235JRG1	1.0037 1.0036	375	235	21
	10	1010	G10100	C10 Ck10	1.0301 1.1121	335	205	31
	15	1015	G10150	C15 Ck15	1.0401 1.1141	375	225	27
	20	1020	G10200	C22E Ck22	1.1151	410	245	25
	35	1035	G10350	C35E Ck35	1.1181	530	315	20
	45	1045	G10450	C45E Ck45	1.1191	600	355	16
	20Cr	5120	G51200	20Cr4	1.7027	785	490	10
	40Cr	5140	G51400	41Cr4	1.7035	980	785	9
马氏体不锈钢 Martensitic stainless steel	0Cr13	405	S40500	X6Cr13	1.4000	370	180	22
	1Cr13	410	S41000	X10Cr13	1.4006	410	205	20
	2Cr13	420	S42000	X20Cr13	1.4021	470	215	19
	3Cr13	-	-	X30Cr13	1.4028	540	225	18
奥氏体不锈钢 Austenitic stainless steel	1Cr18Ni9	302	S30200	X12CrNi18-8	1.4300	520	205	35
	1Cr18Ni9Ti	321	S32100	X12CrNiTi18-9	1.4878	520	205	35
	0Cr19Ni9	304	S30400	X5CrNi18-10	1.4301	520	205	35
	0Cr17Ni12Mo2	316	S31600	X5CrNiMo17-12-2 X5CrNiMo17-13-3	1.4401 1.4436	520	205	35
	0Cr18Ni12Mo2Ti	316Ti	S31635	X6CrNiMoTi17-12-2	1.4571	530	205	35

