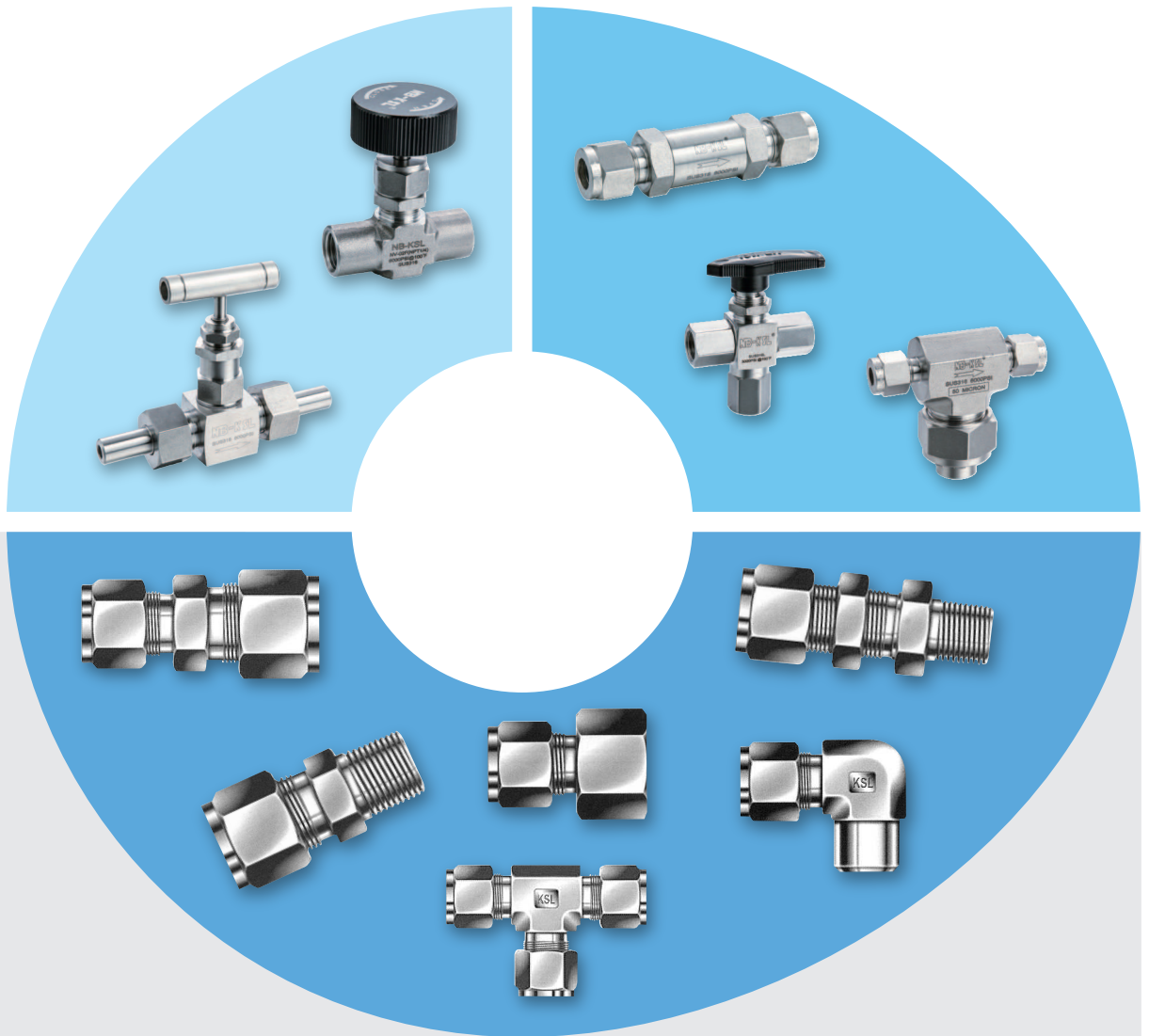


NB-KSL系列管接头、卡套式针阀、球阀系列



公司简介

宁波市科升利不锈钢管阀件有限公司坐落于著名的国家五星级风景旅游区溪口镇的东南侧，风景秀丽，交通便利。公司专业生产制造和销售国标、美标、英制等不锈钢管件、阀门，公司拥有先进的数控车床加工中心，材料检测和热处理加工设备，过硬的师资力量和生产队伍，以及健全的品质保证体系和优良的售后服务体系，真诚服务于广大客户。公司的主要产品有卡套式接头，螺纹接头，仪表接头，仪表针阀，仪表球阀，卡套针阀，卡套球阀，精小型高压仪表针阀，精小型高压仪表球阀，高压止回阀等产品，主要材质为SS316不锈钢。产品广泛用于石化、石油、电力、制药、食品、造纸、船舶及机械设备中，公司严格把关产品质量，坚持不渝，以先进的技术和经验带给您品质保证。公司秉承“质量第一，用户第一，诚信至上”的经营理念，致力于创建“NB-KSL”品牌形象，更好地服务于广大客户，与广大客户携手共创事业的辉煌。

NingBo Keshengli Stainless Steel Tube Fitting And Valve Co.,Ltd., located in the southeast of Xikou Town, the famous national five-star scenic tourist area, enjoys beautiful scenery and convenient transportation. The company produces and sells stainless steel pipes and valves of national standard, American standard and British standard. Equipped with an advanced CNC machining center, cutting-edge material inspection and heat treatment facilities, a strong production team, a sound quality assurance system and an excellent after-sales service system, the company is sincerely willing to serve the customers. The company mainly adopts SS316 stainless steel and produces bite-type joints, screwed nipples, instrumental joints, instrument needle valves, instrument ball valves, bite-type needle valves, bite-type ball valves, precision small high-pressure instrument needle valves, precision small high-pressure instrument ball valves, high-pressure check valves, etc, which are widely used in petrochemical, oil, electricity, pharmaceutical, food, paper making, shipping and machinery industries. The company strictly controls its product quality and always ensures quality by advanced technology and management. In the business philosophy of "Quality First, Customer First, Credit First", the company is committed to creating the "NB-KSL" brand image, better serving customers and striving for common brilliance with customers.



专利证书



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NB-KSL 系列

NB-KSL[®] 科昇利

管接头 Tube Fittings



规格：公制3mm-25mm,英制1/8" -1"
材质：SUS316L不锈钢
螺纹：NPT, BSPP, BSPT, SAE等
压力：3000PSI, 6000PSI

NB-KSL® TUBE FITTINGS DESCRIPTION / NB-KSL® 系列管接头介绍

The NB-KSL® has produced high quality tube and pipe fittings in various materials for high pressure applications since its establishment in 2007.

As a result of tremendous efforts in research and development during the last 3 years, NB-KSL® has gained an excellent reputation as a leading manufacturer of high pressure instrumentation Products.

The NB-KSL® range of connectors has been developed to fill the rapidly increasing demand for tube fittings suitable for high pressure use in environments such as petrochemical, fluid, power, nuclear, electronic, as well as other major industrial fields.

自2007年成立以来，科昇利公司 NB-KSL® 已经采用多种材料制造出适用于高压环境的高质量导管和管接头。

近三年来，由于在研究与开发方面投入了巨大的努力，科昇利公司的产品已经广泛应用于各个领域。

由于人们对高压环境导管连接件的需要日益快速增长，NB-KSL® 系列管接头的开发就是为了满足这一需要，该系列管接头适用于石化、流体、发电、核子、电子以及其他主要工

NB-KSL® tube fittings have been carefully manufactured to withstand the persistent demands for high-performance tube fittings. Each one has passed a stringent tolerance test for high pressure, impulse, vibration, vacuum and temperature. These precision-machined fittings are manufactured to exacting standards, employing the most modern state-of-the-art computerized automation. All NB-KSL® fittings are backed by NB-KSL® commitment to the highest quality-control standards and skilled craftsmanship.

业行业。NB-KSL® 系列管接头的制造工艺及测试手段十分精细，能够满足人们对高性能管接头的需要，例如，高压、冲击、振动、真空和高温等。

该系列导管连接件的制造工艺采用了最现代化的先进电脑自动控制技术，能够满足苛刻的配合公差要求。制造这些精密机械加工导管接头的主要手段之一是：执行高标准的质量控制，同时采用技术娴熟的技师。

NB-KSL® HOW DOES IT WORK? / NB-KSL® 系列管接头的工作原理

The NB-KSL® tube fitting is a mechanism used both to seal and to grip tubing. The mechanical advantage and geometry of this kind of fitting produces a leak-tight assembly. To assemble, simply insert the tube into the complete assembly until the tube bottoms-out against the shoulder of the fitting body(1). The two ferrules are driven forward between the nut (4) and fitting body using the mechanical force created by rotating the nut clockwise. The back ferrule(3) is driven against the tapered rear of the front

NB-KSL® 系列管接头是一种用来密封及夹紧导管材料的机械装置。接头的机械优点和几何形状使该机械装置成为一个能够防止泄漏的密封性组件。

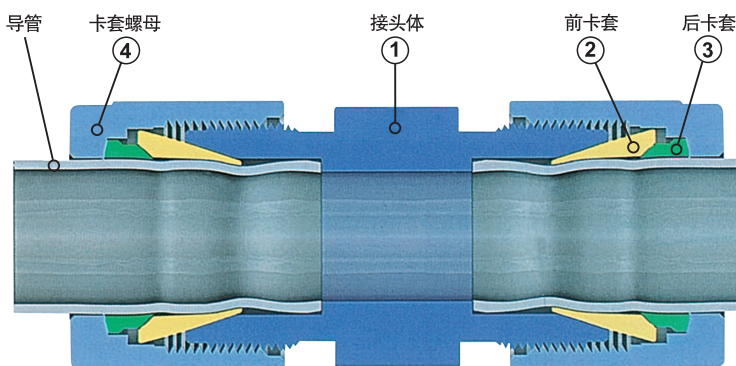
装配接头组件时，只需把导管插入一个成套组件，当管子达到最底部，接触到接头体的凸肩即可。沿顺时针方旋转卡套螺母时，所产生的机械推力在卡套螺母和接头体之间把接头组件的两个卡套向前推动。该机械推力逆着前卡套②的锥形背面推

ferrule(2) and the front ferrule is driven by force into the tapered mouth of the body.

The rear ferrule is swaged radially inwards on the tube while lifting the front ferrule out to form a full-faced seal on the tapered surface of the body.

The 1-1 / 4 turn of the nut from the hand tight position assures consistent drive of the sealing members. This ensures an effective seal against high pressure as well as ultra high vacuum conditions.

动后卡套③，同时，推力把前卡套推入接头体的锥形渐缩口中。后卡套被向内的径向作用力挤压到导管上，此时，把前卡套抽出、在接头体的锥形渐缩表面上形成整面的密封。当用手旋转到已经拧紧的时候，从该手动拧紧位置把卡套螺母再旋转1 1/4圈，即可确保密封件所受的推力均匀。这样就可以保证在高压和超高真空的环境中仍然能够获得有效的密封效果。



NB-KSL® tube fittings are composed of four parts:

NB-KSL® 系列管接头由下列四个部件组成：

- | | |
|-------------------|-----------------------------|
| 1. body
接头体 | 2. front
前卡套 |
| 3. ferrule
后卡套 | 4. back ferrule nut
卡套螺母 |

NB-KSL® INSTALLATION INSTRUCTIONS / NB-KSL® 系列管接头的安装说明

NB-KSL® fittings are supplied assembled and finger tight. Disassembly before use can allow the entry of dirt or other particles.

NB-KSL® 系列管接头供货时已经装配好的成品，已用手指旋转至感觉到紧的程度。如果使用之前拆卸，就可能让污垢或其他杂物微粒进入接头内部。

Insert the tubing into the NB-KSL® fitting.

Check that the tube rests firmly on the fitting shoulder and that the nut is finger tight. At this point it is recommended that a scribe mark be drawn on the hex of the nut extending onto the fitting body. This mark will serve as an indicator for the starting point and proper pull-up.

1. 把导管插入 NB-KSL® 系列管接头。检查导管是否稳固地支撑在接头的凸肩上，同时检查卡套螺母是否已经用手指旋转至感觉到紧的程度。此时，建议在卡套螺母的六角头螺母上划标记，该标记一直延伸到接头体上。该标记将作为起始点和适当的停止点的指示标记。

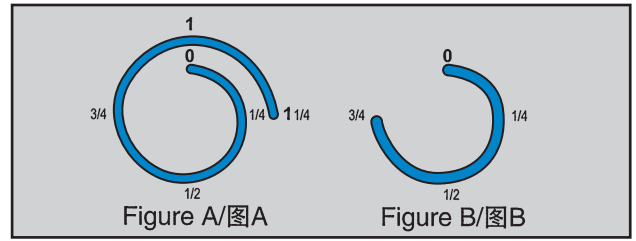
Tighten the nut.

1-1/4 turns of the nut are required for 1/4" (6 mm) and higher (see Fig. A).

3/4 turn of the nut is required for 3/16" (4 mm) and lower (see Fig. B).

2. 把卡套螺母拧紧 (参见下图A和B)

对于1/4英寸(6毫米)及以上的管接头，要求把卡套螺母旋转1 1/4圈。
对于3/16英寸(4毫米)及以下的管接头，要求把卡套螺母旋转3/4圈。



REASSEMBLY INSTRUCTIONS/重新组装说明

NB-KSL® connections may be disconnected and remade repeatedly, without loss of leaktight seal.

NB-KSL® 系列接头的连接可以拆开。之后还可以多次重复地重新组装，防泄漏密封件不会受到任何影响。

1. Before disconnecting, mark the position of the nut in relation to the fitting body.
2. To reassemble, use a wrench to tighten nut to original position.
3. Tighten slightly with wrench until a slight rise in torque is felt.

1. 拆开之前，标记卡套螺母与接头体的相对位置。
2. 重新组装时，使用扳手把卡套螺母上紧到原先的位置。
3. 用扳手轻轻地拧紧，感到扭矩略微增加即可。

TUBE CUTTING/导管的切割

Two different methods can be used to cut tubes:

1. Tube cutter
2. Hacksaw

切割导管可采用下列两种不同的方法：

1. 切管刀
2. 弓锯 (钢锯)

TUBE CUTTER/切管刀

To attain a leak free connection, the tubing must be cut squarely. A good quality tube cutter with the appropriate blade for the tubing material is recommended.

Do not try to reduce the time of cutting by taking deep cuts with each turn of the cutter. This will work harden the tube. The end of the tube must be deburred to avoid damage to the fitting and to ensure that the tube reaches the bottom of the fitting.

■ 要想使接头处的连接不会发生泄漏，导管的切口必须平直。建议使用优质的切管刀，切管刀的刀片应与需要切割的导管材料相适应。

■ 不要为了缩短切割时间而把切管刀的每圈切口切的很深。这样做会使导管出现加工硬化的现象。

■ 必须清理导管末端的毛刺，以免对管接头造成损坏，同时，这样做还可以保证导管能够达到接头的底部。

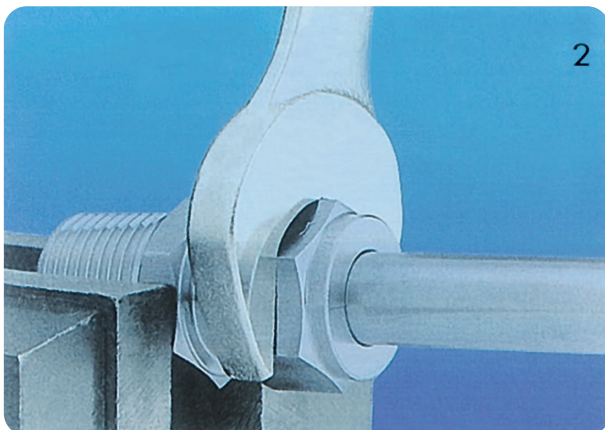
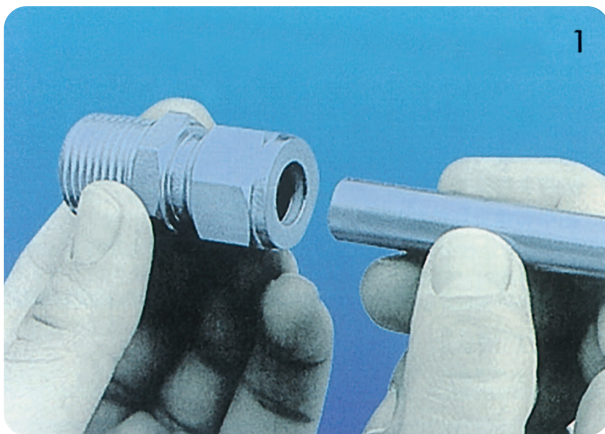
HACKSAW CUTTING/弓锯 (钢锯) 切割

In order to cut the tube with a hacksaw and get square ends, the tube must be cut with guide blocks.

This method of cutting necessitates deburring of the tube ends.

■ 使用弓锯 (钢锯) 切割导管时，要想获得平直的管端，必须使用锯管导向块。

■ 这种切割方法需要清理导管末端的毛刺。

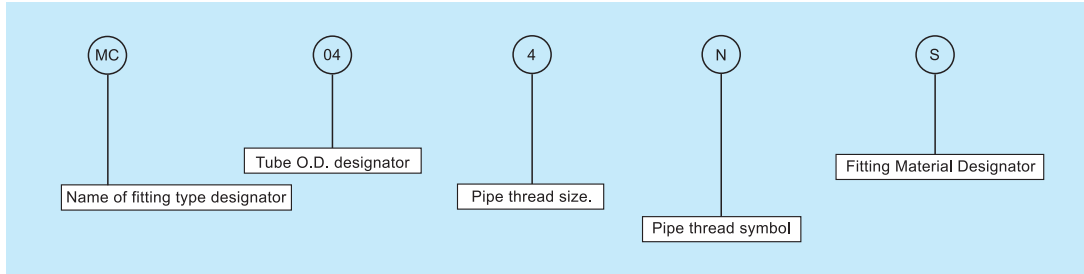


Order Information/ 订购选型:

Example: MC-04-4-N-S

Male Connector

Tube 1/2" O.D. x 1/2" Male NPT, 316SS


Tube O.D. Designator / 管子尺寸编号:

Inch O.D.	1/16	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1
Designator	005	01	015	02	025	03	04	05	06	07	08
Metric O.D.	4mm	6mm	8mm	10mm	12mm	14mm	16mm	18mm	20mm	22mm	25mm
Designator	4	6	8	10	12	14	16	18	20	22	25

Pipe Thread Size Designator / 螺纹尺寸编号:

Nom. Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Designator	1	2	3	4	6	8

Fitting Material Designator / 材质编号:

Material	316SS	316LSS	304SS	Monel	Brass	
Designator	S	L	4	M	B	

Pipe Thread Symbol / 螺纹种类编号:

Type	symbol	Specification
Taper Thread	R	ISO 7/1, BS21(BSPT), JIS B 0203(PT), DIN 2999
Parallel Thread	N	ANSI B1.20.1(NPT)
	G	ISO228/1, BS2779(BSPP), JISB0202(PF)
	U	American Standard Unified Screw Threads

Fitting Type Designator / 卡套接头产品名称:

Designator	Description	Designator	Description
Tube to Tube Union		Tube to SAE O-Ring Seal	
U	Union/ 卡套式直通接头	MCS	SAE Male Connector/ 卡套式至 SAE 接头
RU	Reducing Union 卡套式异径直通接头	MES	Positionable SAE Male Elbow/ 卡套式至 SAE 弯头
BU	Bulkhead Union/ 卡套式穿板直通接头	RTS	Positionable SAE Male Run Tee 卡套式至 SAE 接头侧三通
UE	Union Elbow/ 卡套式弯头	BTS	Positionable SAE Male Branch Tee 卡套式至 SAE 接头支管三通
UT	Union Tee/ 卡套式三通接头	COS	O-Seal Straight Thread Connector 卡套式至 O-Seal 直螺纹接头
UCR	Union Cross/ 卡套式四通接头	COP	O-Seal Straight Pipe Connector 卡套式至 O-Seal 锥螺纹接头
Tube to Male Pipe		Tube to AN Tube	
MC	Male Connector/ 卡套式外螺纹接头	UA	AN Union/ 卡套式至 AN 管接头
BMC	Bulkhead Male Connector/ 卡套式外螺纹穿板接头	BUA	AN Bulkhead Union/ 卡套式至 AN 管穿板接头
ME	Male Elbow/ 卡套式外螺纹弯头	Tube to Weld End	
MRT	Male Run Tee/ 卡套式外螺纹侧三通	DBW	Male Pipe Weld Connector/ 卡套式对焊接头
MBT	Male Branch Tee/ 卡套式外螺纹支管三通	EBW	Male Pipe Weld Elbow/ 卡套式对焊弯头
Tube to Male Pipe		DSW	Tube Socket Weld Connector/ 卡套式插焊接管接头
FC	Female Connector/ 卡套式内螺纹接头	ESW	Tube Socket Weld Elbow/ 卡套式插焊接管弯头
GO	Gauge Connector/ 卡套式压力表接头	Plug and Cap	
BFC	Bulkhead Female Connector/ 卡套式内螺纹穿板接头	P	Plug/ 堵头(堵塞)
FE	Female Elbow/ 卡套式内螺纹弯头	C	Cap/ 管帽
FRT	Female Run Tee/ 卡套式内螺纹侧三通	Spare Parts	
FBT	Female Branch Tee/ 卡套式内螺纹支管三通	N	Nut/ 卡套螺母
Stub Tube Connector		FF	Front Ferrule/ 前卡套
RB	Reducer/ 异径接头(渐缩管)	BF	Back Ferrule/ 后卡套
RA	Bulkhead Adapter/ 内外牙转换接头		
TAM	Male Adapter/Tube 管转 Pipe 管外螺纹转换接头		
TAF	Male Adapter/Tube 管转 Pipe 管内螺纹转换接头		

Warning/警告

Do not hold the tube in a vise in the place where it will be inserted into the fitting (the vise will leave a mark on the tube that may cause leaks, and might cause ovality).

不要用老虎钳夹持导管将要插入接头中的部位(老虎钳会在导管上造成伤痕,该伤痕可能会导致泄漏,还可能使导管变成椭圆形)

TUBE HANDLING/导管的搬运

Scratches on the tube might cause leaks. It is, therefore, important to handle the tube carefully to reduce the risk of leaks.

导管上的刮痕可能会引起泄漏。因此,搬运管材时,小心轻放,以便减少泄漏的风险,做到这点十分重要。

SOME RECAUTIONS TO BE TAKEN/需要采取的一些预防措施:

1. Tubes must not be dragged on the floor.
 2. Tubes must not be dragged out of a tubing rack, especially in case of large OD tubes.
1. 严禁在地板上拖曳管材。
2. 严禁把管材从管架上拖曳出来,尤其是外径较大的管材,更须禁止如此操作。

COPPER TUBING/铜管

If using copper tubing from a roll, hold the end of the tube and roll the roll outwards allowing the tubing to lie on a flat surface.

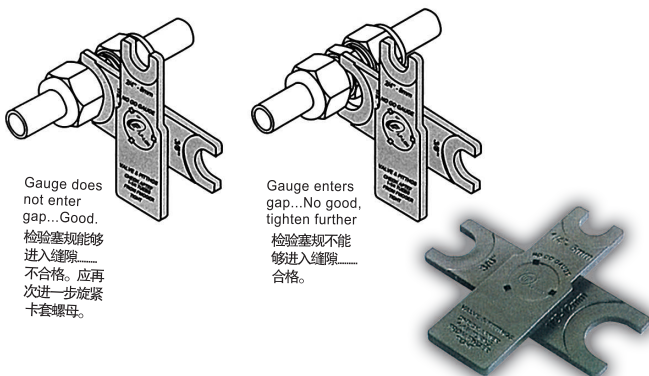
如果要从成卷的铜管卷盘中取用铜管,应先握住管材的末端,然后向外滚动铜管卷盘,让铜管平放在平坦的地面上。

INSPECTION GAUGE /间隙检验塞规

Use: This is a "No-Go" gauge and should be used as follows:

使用说明: 此检验塞规为“合格-不合格”式量规(即:无尺寸刻度),应遵照下列方法使用:

1. Make up the fitting according to the following instructions: 1/4 inch (6mm), 3/8 inch, 1/2 inch (12mm) - make up 1-1/4 turns from finger tight. Check gap between nut and body, using the appropriate sized gauge. If the gauge slides easily into the gap, tighten the nut further until gauge can not enter the gap.
1. 按照下列说明旋转管接头:
1/4英寸(6毫米), 3/8英寸, 1/2英寸(12毫米) - 当用手指旋转感觉到已经拧紧的时候,从该手指拧紧位置开始,再旋转1 1/4圈。
2. 使用适当大小的检验塞规,检查卡套螺母和接头体之间的缝隙。如果该检验塞规很容易滑入缝隙中,则需进一步旋紧卡套螺母,直到检验塞规不能进入缝隙为止。



**PHYSICAL DIFFERENCES AND MARKING
物理偏差及标志**

NB-KSL METRIC FITTINGS:

NB-KSL® 系列“公制”及“英制”管接头

Tee & Elbow (see Fig. 1)

公制管接头:三通和弯头(参见图1)

Straight Connectors: (see Fig. 2)

公制管接头:直通式接头(参见图2)

Body: Stepped shoulder

Marked: NB-KSL 316

公制接头体:台阶式凸肩(锁口凸肩)

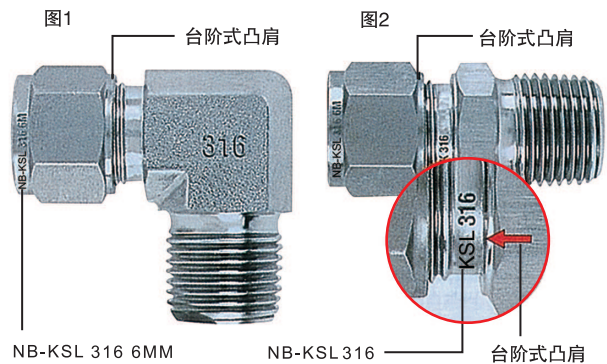
标记: NB-KSL 316

Nut: (see Figs. 1 & 2) Stepped shoulder marked: NB-KSL 316 6MM

公制卡套螺母:(参见图1和图2)

台阶式凸肩(锁口凸肩)

凸肩标记: NB-KSL 316 6MM



Tee & Elbow: (See Fig. 3)

英制管接头:直通和弯头(参见图3)

Straight Fittings: (see Fig. 4)

英制管接头:直通式接头(参见图4)

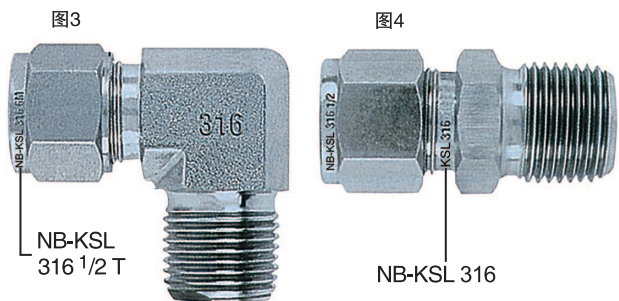
Body: Shoulder marked: NB-KSL 316

英制接头体:凸肩标记: NB-KSL 316

Nut: (See Fig. 3 & 4): Shoulder marked NB-KSL 316 1/2 T

英制卡套螺母:(参见图3和图4)

凸肩标记: NB-KSL 316 1/2 T



(1) 导管外径 (2) 材料批号

HIGH SAFETY/安全性高

In applications where severe conditions and high pressure exist, we recommend the following installation procedures: 在严酷的环境中使用, 如果同时存在高压, 我们建议遵守下列安装步骤:

1. Check that the nut is finger tight.
2. Insert the tube (up to the shoulder).
3. Rotate the nut with a wrench until the tube does not rotate freely.
4. Mark position of the nut.
5. Rotate the nut 1-1/4 turns.

This method ensures that even if the tube O.D. is at the minimum tolerance, the ferrules will be in contact with the tube for the full 1-1/4 rotation.

1. 检查卡套螺母, 用手指旋转, 看是否已经感觉到拧紧了。
2. 把导管插入接头 (一直插到凸肩为止)
3. 用扳手旋转卡套螺母, 直到导管不能自由旋转为止。
4. 标记卡套螺母的位置。
5. 把卡套螺母旋转1¼圈。

即使导管的外径公差为最大值时, 这种安装方法也能够保证卡套的整个1¼圈旋转都与导管接触。

TUBING DATA FOR NB-KSL® FITTINGS

NB-KSL® 系列管接头的配管数据

In order to assure maximum fitting reliability and performance, great care should be given when selecting the tubing for each application.

为了确保接头的可靠性及性能均达到最佳程度, 每次安装该系列管接头时, 都要认真地选择管材。

TUBE SELECTION/管材的选择:

Four variables must be considered when ordering tube for use with NB-KSL® fittings:

订购用于与NB-KSL®系列管接头连接的管材时, 必须考虑四个变量:

1. Material
材料
2. Tube wall thickness
导管壁的厚度
3. Tube surface finish
导管的表面处理
4. Tube hardness
导管的硬度

Tubing should comply with standard ASTM A213 or ASTM A269, be seamless, and fully annealed. The tube must be free of scratches and suitable for bending and flaring.

管材应符合“美国试验与材料协会标准”之“A213规范”或者“A269规范”(即ASTM A213或ASTM A269), 无缝, 经充分退火处理。

导管不能有刮伤的痕迹, 适于弯曲和旋转扩口加工。

TUBE OD TOLERANCES/管材的外径容许偏差:

$$\left. \begin{array}{l} 1/16 \text{英寸} - 1/8 \text{英寸} \\ 2 \text{毫米} - 3 \text{毫米} \end{array} \right\} \pm 0.003 \text{英寸}$$

$$\left. \begin{array}{l} 3/16 \text{英寸} - 1/4 \text{英寸} \\ 4 \text{毫米} - 25 \text{毫米} \end{array} \right\} \pm 0.005 \text{英寸}$$

$$1-1/2 \text{英寸} \left. \right\} \pm 0.01 \text{英寸}$$

$$\left. \begin{array}{l} 1/16 \text{英寸} - 1/8 \text{英寸} \\ 2 \text{mm} - 3 \text{mm} \end{array} \right\} \pm 0.003 \text{英寸}$$

$$\left. \begin{array}{l} 3/16 \text{英寸} - 1/4 \text{英寸} \\ 4 \text{mm} - 25 \text{mm} \end{array} \right\} \pm 0.005 \text{英寸}$$

$$1-1/2 \text{英寸} \left. \right\} \pm 0.01 \text{英寸}$$

Ovality of twice OD tolerance is not suitable for NB-KSL® fittings.

The tube must be reasonably round.

The ends of the tube must be free of burrs.

Tube hardness: The hardness of the tube must be lower than the hardness of the fitting material.

The hardness must be not more than Rockwell HRB 80.

椭圆变形达到导管外径容许偏差的两倍时, 该导管不适用于NB-KSL®系列管接头。

导管必须具有适当的圆度。

导管的末端必须无毛刺。

管材的硬度: 导管的硬度必须低于接头材料的硬度。

硬度一定不能超过洛氏硬度值HRB 80。

Tube To Union


RU 型 9

Reducing Union
卡套式异径直通接头 


U 型 10

Union
卡套式直通接头 

UE 型 11

Union Elbow
卡套式弯头 

UT 型 11

Union Tee
卡套式三通接头 


RUBT 型 12

Union Reducing Tee
卡套式异径三通接头 

RUT 型 12

Union Reducing Tee
卡套式异径三通接头 

UCR 型 13


Union Cross
卡套式四通接头 

BU 型 13

Bulkhead Union
卡套式穿板直通接头 

Tube To Male Pipe


MC 型 14

Male Connector
卡套式外螺纹接头 


BMC 型 16

Thermocouple Connector
卡套式外螺纹穿板接头 

ME 型 17

Male Elbow
卡套式外螺纹弯头 

MRT 型 19


Male Run Tee
卡套式外螺纹侧三通 

MBT 型 20


Male Branch Tee
卡套式外螺纹支管三通 

Tube To Female Pipe


FC 型 21

Female Connector
卡套式内螺纹接头 


FCG 型 22

Gauge Connector
卡套式压力表接头 


BFC 型 23

Bulkhead Female
卡套式内螺纹穿板接头 


FE 型 24

Female Elbow
卡套式内螺纹弯头 

FRT 型 25


Female Run Tee
卡套式内螺纹侧三通 

FBT 型 26


Female Branch Tee
卡套式内螺纹支管三通 

Stub Tube Connector


ODTA 型 27

Reducer
异径接头 (渐缩管) 

TAM 型 28


Male Adapter
管转 Pipe 管外螺纹转换接头 

TAF 型 30


Female Adapter
管转 Pipe 管内螺纹转换接头 

Tube to Weld End


ODBW 型 31

Male Pipe Weld Connector
卡套式转Pipe管对焊接头 


EBW 型 32

Male Pipe Weld Elbow
卡套式转Pipe管对焊弯头 

DSW 型 32


Tube Socket Weld Connector
卡套式转Tube管承插焊接头 

ESW 型 33


Tube Socket Weld Elbow
卡套式转Tube管承插焊弯头 

Plug and Cap

P 型 33


Plug
堵头(堵塞) 

C 型 34


Cap
管帽 

Spare Parts


N 型 34

Nut
卡套螺母 


FF 型 35

Front Ferrule
前卡套 


BF 型 35

Back Ferrule
后卡套 


PJT 型 36
HOSE CONNECTOR
直管宝塔接头



PJOD 型 36
HOSE CONNECTOR
卡套宝塔接头




PJM 型 36
HOSE CONNECTOR
外螺纹宝塔接头

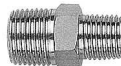


Tube Fittings

HN 型 37
HEX NIPPLE
双外牙接头




RHN 型 37
REDUCING HEX NIPPLE
异径双外牙接头




RA 型 37
REDUCING ADAPTOR
直通内外牙接头




HCG 型 38
HEX COUPLING
双内牙弯头




RHCG 型 38
REDUCING HEX COUPLING
异径双内牙




RB 型 38
REDUCING BUSHING
补申




MET 型 39
MALE ELBOW
双外牙直角接头




E 型 39
ELBOW
直角双内牙接头




SE 型 39
STREET ELBOW
内外牙弯头




T 型 40
TEE
内牙三通




BT 型 40
BRANCH TEE
内外牙三通接头



ST 型 40
STREET TEE
内外牙三通




MT 型 40
MALE TEE
外牙三通




Weld Fittings


RHW 型 41
BUTT WELD REDUCING STRAIGHTS
焊接变径直通




HEW 型 41
BUTT WELD ELBOWS
焊接弯头



HTW 型 41
BUTT WELD TEES
焊接正三通




RHTW 型 41
BUTT WELD REDUCING TEES
焊接变径三通




VCR 接头


FN 型 42
FEMALE NUT
内螺母



MN 型 42
MALE NUT
外螺母




SG 型 42
SHORT GLAND
短杆




LG 型 42
LONG GLAND
长杆




P-VCR 43
CAP
母堵头




HP-VCR 43
PLUG
公堵头



G-VCR 43
GASKET
垫片

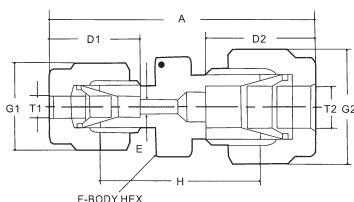
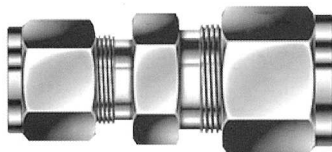


GN-VCR 43
RETAINER GASKET
带爪垫片



REDUCING UNION / 卡套式异径直通接头 (METRIC)

RU 型



TUBE O.D.		CATALOG NUMBER	A	D1	D2	E	G1	G2	F	H
T1	T2									
3	6	RU-3-6	40	13.5	15.8	2.4	12	14	14	25.2
4	6	RU-4-6	40.2	13.7	15.8	3	12	14	14	25.4
6	8	RU-6-8	42.9	15.8	16.7	4.8	14	16	16	27.4
6	10	RU-6-10	44.9	15.8	19.6	4.8	14	19	17	29.5
6	12	RU-6-12	48.1	15.8	23.8	4.8	14	22	19	29.5
8	10	RU-8-10	45.3	16.7	19.6	6.4	16	19	17	30
8	12	RU-8-12	48.7	16.7	23.8	6.4	16	22	19	30.2
10	12	RU-10-12	49.4	19.6	23.8	7.9	19	22	19	31
12	16	RU-12-16	52.8	23.8	24.3	9.5	22	27	24	31.8
12	18	RU-12-18	54.8	23.8	24.8	9.5	22	27	27	33.3
18	25	RU-18-25	60.6	22.8	24.8	15.1	30	38	35	38.1
20	25	RU-20-25	63.1	25.5	31.7	15.9	32	38	35	39.9

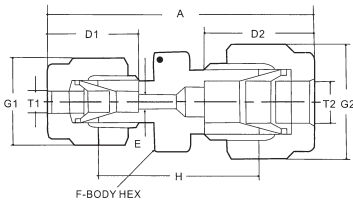
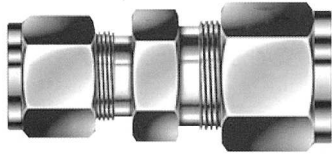
(FRACTIONAL)

TUBE O.D.		CATALOG NUMBER	A	D1	D2	E	G1	G2	F	H
In	T1 mm									
3	1/8	RU-3-01	36.9	13.5	14	2.4	12	12	12	22.4
4	1/8	RU-4-01	37.6	13.7	14	2.4	12	12	12	23.4
4	1/4	RU-4-02	39.9	13.7	15.8	3	12	14	14	25.4
6	1/8	RU-6-01	41	15.8	14	2.4	12	14	14	25.2
6	1/4	RU-6-02	41.8	15.8	15.8	4.8	14	14	14	26.2
8	1/4	RU-8-02	42.9	16.7	15.8	4.8	14	16	14	27.4
10	1/8	RU-10-01	44.1	19.6	14	2.4	12	19	17	28.5
10	1/4	RU-10-02	44.9	19.6	15.8	4.8	14	19	17	29.5
10	3/8	RU-10-03	46.2	19.6	19.6	7.1	17	19	17	31
12	3/8	RU-12-03	49.4	23.8	19.6	7.1	17	22	22	31
12	1/2	RU-12-04	52	23.8	23.4	9.5	22	22	22	31
18	3/4	RU-18-06	54.5	24.8	24.4	15.1	30	30	27	33.3
20	3/4	RU-20-06	55.7	25.5	24.4	15.7	32	30	30	34.8
20	1"	RU-20-08	63.1	25.5	31.7	15.9	32	38	35	39.9
22	1"	RU-22-08	63.1	25.5	31.7	18.3	32	38	35	39.9

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EQUAL UNION / 卡套式异径直通接头 (METRIC)

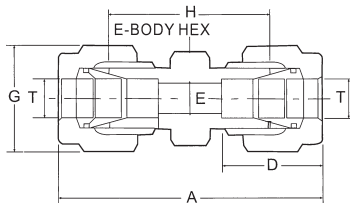
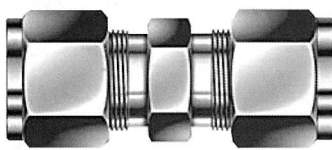
RU 型



CATALOG NUMBER	TUBE O.D.		A	D1	D2	E	G1	G2	F	H
	T1	T2								
RU-02-01	1/4	1/8	40.5	15.8	14	2.4	12	14	14	25.2
RU-03-01	3/8	1/8	42.5	19.6	14	2.4	12	17	16	27.4
RU-03-02	3/8	1/4	43.8	19.6	15.8	4.8	14	17	16	28.4
RU-04-01	1/2	1/8	46.2	23.4	14	2.4	12	22	19	28.5
RU-04-02	1/2	1/4	47.5	23.4	15.8	4.8	14	22	19	29.5
RU-04-03	1/2	3/8	48.8	23.4	19.6	7.1	17	22	19	31
RU-06-02	3/4	1/4	50	24.4	15.8	4.8	14	30	27	31.8
RU-06-03	3/4	3/8	51.3	24.4	19.6	7.1	17	30	27	33.3
RU-06-04	3/4	1/2	53.9	24.4	23.4	10.4	22	30	27	33.3
RU-08-04	1"	1/2	61	31.7	23.4	10.4	22	38	35	38.1
RU-08-06	1"	3/4	61.2	31.7	24.4	15.7	30	38	35	38.1

EQUAL UNION / 卡套式直通接头 (METRIC)

U 型



CATALOG NUMBER	TUBE O.D.	A	D	E	F	G	H
U-4-0	4	36.8	13.7	3	12	12	23.4
U-6-0	6	41.8	15.8	4.8	14	14	26.2
U-8-0	8	44.4	16.7	6	14	16	29
U-10-0	10	46.2	19.6	7.9	19	19	31
U-12-0	12	52.6	23.8	9.5	22	22	31
U-14-0	14	53.4	24.8	11	24	27	31.8
U-15-0	15	52.8	24.4	11.9	24	27	31.8
U-16-0	16	52.8	24.4	12.7	24	27	31.8
U-18-0	18	54.9	24.8	15.1	27	30	33.3
U-20-0	20	55.8	25.5	15.9	30	32	34.8
U-22-0	22	55.8	25.5	18.3	30	32	34.8
U-25-0	25	65.8	31.7	21.8	35	38	40.4

(FRACTIONAL)

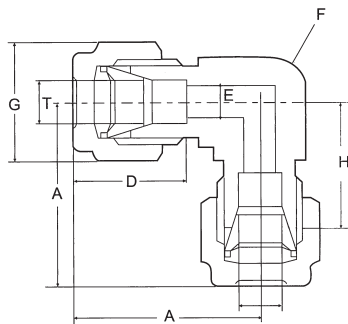
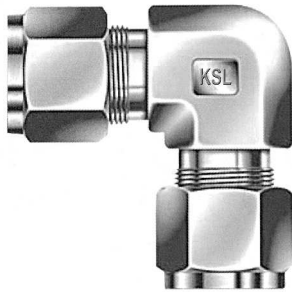
U-01-0	1/8	37.4	14	2.4	12	12	22.4
U-02-0	1/4	41.8	15.8	4.8	14	14	26.2
U-03-0	3/8	45.4	19.6	7.1	16	17	30.2
U-04-0	1/2	51.4	23.4	10.4	22	22	31
U-05-0	5/8	52.4	24.4	12.7	27	24	31.8
U-06-0	3/4	54.1	24.4	15.7	27	30	33.3
U-08-0	1"	65.8	31.7	22.4	35	38	40.4

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**UNION ELBOW / 卡套式弯头
(METRIC)**

UE 型



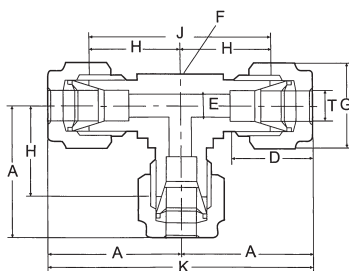
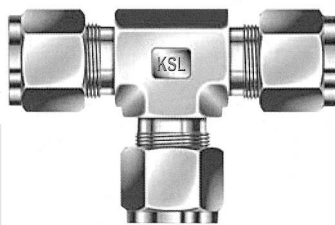
CATALOG NUMBER	TUBE O.D.	A	D	E	F	G	H
UE-3-0	3	23.5	13.5	2.4	9.5	12	16.5
UE-4-0	4	25.8	13.7	3	12.7	12	19.1
UE-6-0	6	27.8	15.8	4.8	12.7	14	20
UE-8-0	8	28.7	16.7	6.4	15	16	21
UE-10-0	10	31.6	19.6	7.9	17	19	24
UE-12-0	12	36.7	23.8	9.5	21	22	25.9
UE-14-0	14	38.8	24.8	11.1	24	27	28
UE-15-0	15	38.4	24.4	11.9	24	27	28
UE-16-0	16	38.4	24.4	12.7	24	27	28
UE-18-0	18	39.3	24.8	15.1	28	30	28.5
UE-20-0	20	43	25.5	15.9	32	32	32.5
UE-22-0	22	43	25.5	18.3	32	32	32.5
UE-25-0	25	47.7	31.7	21.8	34.5	38	35

(FRACTIONAL)

UE-01-0	1/8	24	14	2.4	9.5	12	16.5
UE-02-0	1/4	27.4	15.8	4.8	12.7	14	19.6
UE-03-0	3/8	30.7	19.6	7.1	17	17	23.1
UE-04-0	1/2	36.3	23.4	10.4	21	22	25.9
UE-05-0	5/8	38.4	24.4	12.7	24	27	28
UE-06-0	3/4	38.9	24.4	15.7	28	30	28.5
UE-08-0	1"	47.7	31.7	22.4	34.5	38	35

**UNION TEE / 卡套式三通接头
(METRIC)**

UT 型



CATALOG NUMBER	TUBE O.D.	A	D	E	F	G	H	J	K
UT-3-0	3	22.7	13.5	2.4	9.5	12	15.7	31.4	45.4
UT-4-0	4	25.7	13.7	3	12.7	12	19	38	51.4
UT-6-0	6	27.4	15.8	4.8	12.7	14	19.6	39.2	54.8
UT-8-0	8	30.1	16.7	6	16	16	22.4	44.8	60.2
UT-10-0	10	31.5	19.6	7.9	17.5	19	23.9	47.8	63
UT-12-0	12	36.7	23.8	9.5	19	22	25.9	51.8	73.4
UT-14-0	14	38.8	24.8	11.1	24	27	28	56	77.6
UT-15-0	15	38.4	24.4	11.9	24	27	28	56	76.8
UT-16-0	16	38.4	24.4	12.7	24	27	28	56	76.8
UT-18-0	18	39.3	24.8	15.1	28	30	28.5	57	78.6
UT-20-0	20	44	25.5	15.9	32	32	33.5	67	88
UT-22-0	22	44	25.5	18.3	32	32	33.5	67	88
UT-25-0	25	47.7	31.7	21.8	34.5	38	35	70	95.4

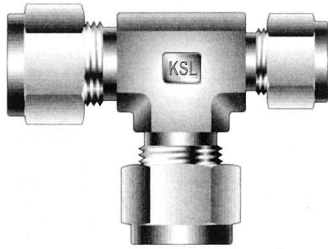
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UT-01-0	1/8	23.2	14	2.4	9.5	12	15.7	31.4	46.4
UT-02-0	1/4	27.4	15.8	4.8	12.7	14	19.6	39.2	54.8
UT-03-0	3/8	30.7	19.6	7.1	16	17	23.1	46.2	61.4
UT-04-0	1/2	36.1	23.4	10.4	19	22	25.9	52	72.2
UT-05-0	5/8	38.4	24.4	12.7	24	27	28	56	76.8
UT-06-0	3/4	38.9	24.4	15.7	28	30	28.5	57	77.8
UT-08-0	1"	47.7	31.7	22.4	34.5	38	35	70	95.4

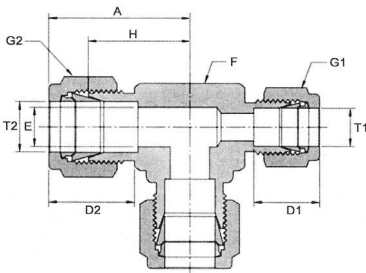
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UNION REDUCING TEE / 卡套式异径三通接头 (METRIC)

RUBT 型

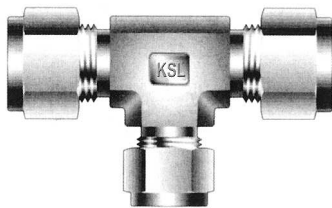


CATALOG NUMBER	O.D. TUBE		A	D1	D2	E1	E2	F	G1	G2	H1	H2
	T2	T1										
RUBT-03-02	3/8	1/4	30.7	19.6	15.8	7.1	4.8	16	14	17	23.1	21.1
RUBT-04-02	1/2	1/4	36.2	23.4	15.8	10.4	4.8	19	14	22	26	24
RUBT-04-03	1/2	3/8	36.2	23.4	19.6	10.4	7.1	19	17	22	26	26
RUBT-06-03	3/4	3/8	38.4	24.4	19.6	15.7	7.1	28	30	17	28	28
RUBT-06-04	3/4	1/2	38.4	24.4	23.4	15.7	10.4	28	22	30	28	28
RUBT-08-03	1"	3/8	47.7	31.7	19.6	22.4	7.1	34.5	17	38	35	32.7
RUBT-08-04	1"	1/2	47.7	31.7	23.4	22.4	10.4	34.5	22	38	35	32.7
RUBT-08-06	1"	3/4	47.7	31.7	24.4	22.4	15.7	34.5	38	30	35	32.7

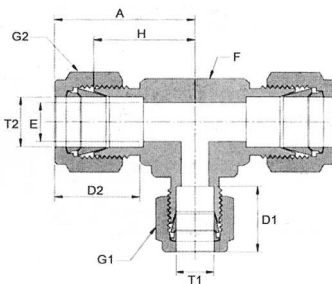


UNION REDUCING TEE / 卡套式异径三通接头 (METRIC)

RUT 型



CATALOG NUMBER	O.D. TUBE		A	D1	D2	E1	E2	F	G1	G2	H1	H2
	T2	T1										
RUT-02-01	1/4	1/8	27.4	15.8	14	4.8	2.4	12.7	12	14	19.6	18.6
RUT-03-02	3/8	1/4	30.7	19.6	15.8	7.1	4.8	16	14	17	23.1	21.1
RUT-04-02	1/2	1/4	36.2	23.4	15.8	10.4	4.8	19	14	22	26	24
RUT-04-03	1/2	3/8	36.2	23.4	19.6	10.4	7.1	19	17	22	26	26
RUT-06-03	3/4	3/8	38.4	24.4	19.6	15.7	7.1	24	17	30	28	28
RUT-06-04	3/4	1/2	38.4	24.4	23.4	15.7	10.4	24	22	30	28	28
RUT-08-03	1"	3/8	47.7	31.7	19.6	22.4	7.1	34.5	17	38	35	32.7
RUT-08-04	1"	1/2	47.7	31.7	23.4	22.4	10.4	34.5	22	38	35	32.7
RUT-08-06	1"	3/4	47.7	31.7	24.4	22.4	15.7	34.5	30	38	35	32.7

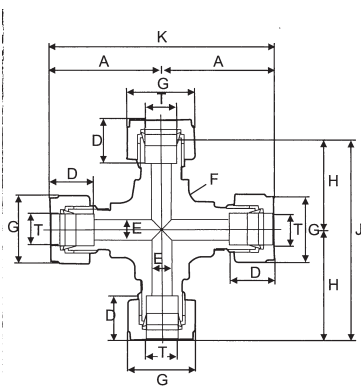


All dimensions are in millimeters unless otherwise specified, only for reference subject to change.

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UNION CROSS / 卡套式四通接头 (METRIC)

UCR 型



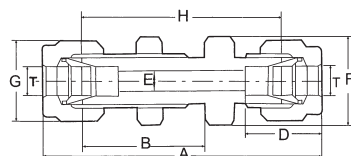
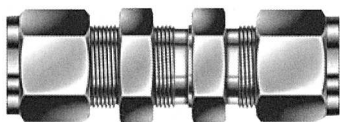
CATALOG NUMBER	TUBE								
	O.D. (mm)	A	D	E	F	G	H	J	K
UCR-3-0	3	26	13.5	2.4	12.7	12	19	38	52
UCR-4-0	4	26.7	13.7	3	12.7	12	20	40	53.4
UCR-6-0	6	28.8	15.8	4.8	12.7	14	21	42	57.6
UCR-8-0	8	28.7	16.7	6	12.7	16	21	42	57.4
UCR-10-0	10	31.6	19.6	7.9	17.5	19	24	48	63.2
UCR-12-0	12	36.8	23.8	9.5	20.6	22	26	52	73.6
UCR-16-0	16	38.4	24.4	12.7	24	27	28	56	76.8
UCR-18-0	18	39.3	24.8	15.1	28	30	28.5	57	78.6
UCR-20-0	20	44.5	25.5	15.9	34.5	32	34	68	89
UCR-25-0	25	47.7	31.7	21.8	34.5	38	35	70	95.4

(FRACTIONAL)

UCR-01-0	1/8	26.5	14	2.4	12.7	12	19	38	53
UCR-02-0	1/4	28.8	15.8	4.8	12.7	14	21	42	57.6
UCR-03-0	3/8	31.6	19.6	7.1	17.5	17	24	48	63.2
UCR-04-0	1/2	36.2	23.4	10.4	20.6	22	26	52	72.4
UCR-06-0	3/4	38.9	24.4	15.7	28	30	28.5	57	77.8
UCR-08-0	1"	47.7	31.7	22.4	34.5	38	35	70	95.4

BULKHEAD UNION / 卡套式穿板直通过头 (METRIC)

BU 型



CATALOG NUMBER	TUBE O.D.								PANEL HOLE SIZE	MAX PANEL THICK.
		A	B	D	E	F	G	H		
BU-3-0	3	52.1	24.6	13.5	2.4	12	12	38.1	8.3	11.2
BU-4-0	4	53.8	25.4	13.7	3	14	12	40.4	9.9	11.2
BU-6-0	6	58.5	26.2	15.8	4.8	16	14	42.9	11.5	10.2
BU-8-0	8	61.4	28.6	16.7	6.4	19	16	46	13.1	11.2
BU-10-0	10	63.7	29.4	19.6	7.9	22	19	48.5	16.3	11.2
BU-12-0	12	72.4	31.8	23.8	9.5	24	22	50.8	19.5	12.7
BU-14-0	14	73.9	32.5	24.8	11.1	27	27	52.3	22.8	12.7
BU-15-0	15	73.1	32.5	24.4	11.9	27	27	52.3	22.8	12.7
BU-16-0	16	73.1	32.5	24.4	12.7	27	27	52.3	22.8	12.7
BU-18-0	18	80.3	37.3	24.8	15.1	30	30	58.7	26	16.8
BU-20-0	20	85.3	42.9	25.5	15.9	35	32	64.3	29	23.9
BU-25-0	25	96.8	45.2	31.7	21.8	40	38	71.4	33.7	19

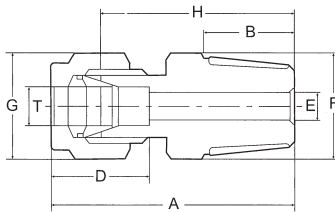
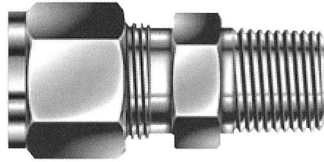
(FRACTIONAL)

BU-01-0	1/8	53.1	24.6	14	2.4	12	12	38.1	8.3	11.2
BU-02-0	1/4	58.5	26.2	15.8	4.8	16	14	42.9	11.5	10.2
BU-03-0	3/8	62.7	29.5	19.6	7.1	19	17	47.5	14.7	11.2
BU-04-0	1/2	71.2	31.8	23.4	10.4	24	22	50.8	19.5	12.7
BU-05-0	5/8	73.1	32.5	24.4	12.7	27	27	52.3	22.8	12.7
BU-06-0	3/4	79.5	37.3	24.4	15.7	30	30	58.7	26	16.8
BU-08-0	1"	96.8	45.2	31.7	22.4	40	38	71.4	33.7	19

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MALE CONNECTOR / 卡套式外螺纹接头 (METRIC)

MC 型

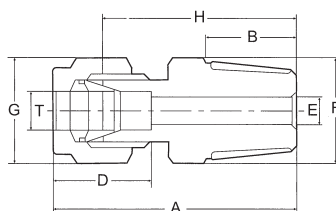
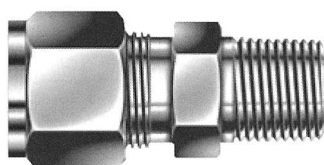


CATALOG NUMBER	T TUBE O.D.	PT-NPT MALE PIPE SIZE	A	B	D	E	F	G	H
MC-3-1	3	1/8	32	10	13.5	2.4	12	12	25
MC-3-2	3	1/4	37	14	13.5	2.4	14	12	30
MC-4-1	4	1/8	32.2	10	13.7	3	12	12	25.5
MC-4-2	4	1/4	36.7	14	13.7	3	14	12	30
MC-6-1	6	1/8	33.8	10	15.8	4.8	14	14	26
MC-6-2	6	1/4	38.8	14	15.8	4.8	14	14	31
MC-6-3	6	3/8	38.8	14	15.8	4.8	17	14	31
MC-6-4	6	1/2	45.1	19	15.8	4.8	22	14	37.3
MC-8-1	8	1/8	34.7	10	16.7	4.8	14	16	27
MC-8-2	8	1/4	39.7	14	16.7	6	14	16	32
MC-8-3	8	3/8	39.7	14	16.7	6.4	17	16	32
MC-8-4	8	1/2	45.8	19	16.7	6.4	22	16	38.1
MC-10-1	10	1/8	36.6	10	19.6	4.8	17	19	29
MC-10-2	10	1/4	40.6	14	19.6	7.1	17	19	33
MC-10-3	10	3/8	40.6	14	19.6	9.5	17	19	33
MC-10-4	10	1/2	46.5	19	19.6	7.9	22	19	38.9
MC-10-6	10	3/4	48	19	19.6	7.9	27	19	40.4
MC-12-1	12	1/8	39.8	10	23.8	4.8	19	22	29
MC-12-2	12	1/4	44.1	14	23.8	7.1	19	22	33.3
MC-12-3	12	3/8	44.1	14	23.8	9.5	19	22	33.3
MC-12-4	12	1/2	49.7	19	23.8	9.5	22	22	38.9
MC-12-6	12	3/4	51.2	19	23.8	9.5	27	22	40.4
MC-12-8	12	1"	57.8	22	23.8	9.5	35	22	47
MC-14-3	14	3/8	44.8	14	24.8	9.5	24	27	34
MC-14-4	14	1/2	49.7	19	24.8	11.1	24	27	38.9
MC-14-6	14	3/4	51.2	19	24.8	11.1	27	27	40.4
MC-16-3	16	3/8	44.4	14	24.4	9.5	24	27	34
MC-16-4	16	1/2	49.3	19	24.4	11.9	24	27	38.9
MC-16-6	16	3/4	50.8	19	24.4	12.7	27	27	40.4
MC-18-3	18	3/8	46.2	14	24.8	9.5	27	30	35.4
MC-18-4	18	1/2	51.2	19	24.8	11.9	27	30	40.4
MC-18-6	18	3/4	51.2	19	24.8	15.1	27	30	40.4
MC-18-8	18	1"	57.8	22	24.8	15.1	35	30	47
MC-20-4	20	1/2	52.7	19	25.5	11.9	30	32	42.2
MC-20-6	20	3/4	52.7	19	25.5	15.9	30	32	42.2
MC-22-4	22	1/2	52.7	19	25.5	11.9	30	32	42.2
MC-22-6	22	3/4	52.7	19	25.5	15.9	30	32	42.2
MC-22-8	22	1"	57.5	22	25.5	18.3	35	32	47
MC-25-4	25	1/2	57.9	19	31.7	11.9	35	38	45.2
MC-25-6	25	3/4	57.9	19	31.7	15.9	35	38	45.2
MC-25-8	25	1"	62.7	22	31.7	21.8	35	38	50

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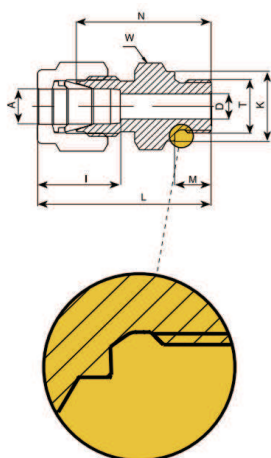
MALE CONNECTOR / 卡套式外螺纹接头 (FRACTIONAL)

MC 型



CATALOG NUMBER	TUBE O.D.	PT-NPT MALE PIPE SIZE	A	B	D	E	F	G	H
MC-01-1	1/8	1/8	32.5	10	14	2.4	12	12	25
MC-01-2	1/8	1/4	37.5	14	14	2.4	14	12	30
MC-01-3	1/8	3/8	37.5	14	14	2.4	14	12	30
MC-01-4	1/8	1/2	43.8	19	14	2.4	22	12	36.3
MC-02-1	1/4	1/8	33.8	10	15.8	4.8	14	14	26
MC-02-2	1/4	1/4	38.8	14	15.8	4.8	14	14	31
MC-02-3	1/4	3/8	38.8	14	15.8	4.8	17	14	31
MC-02-4	1/4	1/2	45.1	19	15.8	4.8	22	14	37.3
MC-02-6	1/4	3/4	46.1	19	15.8	4.8	27	14	38.3
MC-03-1	3/8	1/8	36.6	10	19.6	4.8	17	17	29
MC-03-2	3/8	1/4	40.1	14	19.6	7.1	17	17	32.5
MC-03-3	3/8	3/8	40.1	14	19.6	7.1	17	17	32.5
MC-03-4	3/8	1/2	46.5	19	19.6	7.1	22	17	38.9
MC-03-6	3/8	3/4	47.9	19	19.6	7.1	27	17	40.3
MC-04-1	1/2	1/8	39.2	10	23.4	4.8	19	22	29
MC-04-2	1/2	1/4	43.2	14	23.4	7.1	19	22	33
MC-04-3	1/2	3/8	43.5	14	23.4	9.5	19	22	33.3
MC-04-4	1/2	1/2	49.1	19	23.4	10.4	22	22	38.9
MC-04-6	1/2	3/4	50.5	19	23.4	10.4	27	22	40.3
MC-04-8	1/2	1"	57.2	22	23.4	10.4	35	22	47
MC-05-3	5/8	3/8	44.4	14	24.4	9.5	24	27	34
MC-05-4	5/8	1/2	49.3	19	24.4	11.9	24	27	38.9
MC-05-6	5/8	3/4	50.7	19	24.4	12.7	27	27	40.3
MC-06-4	3/4	1/2	50.7	19	24.4	11.9	27	30	40.3
MC-06-6	3/4	3/4	50.7	19	24.4	15.7	27	30	40.3
MC-06-8	3/4	1"	57.4	22	24.4	15.7	35	30	47
MC-08-4	1"	1/2	57.9	19	31.7	11.9	35	38	45.2
MC-08-6	1"	3/4	57.9	19	31.7	15.9	35	38	45.2
MC-08-8	1"	1"	62.7	22	31.7	22.4	35	38	50

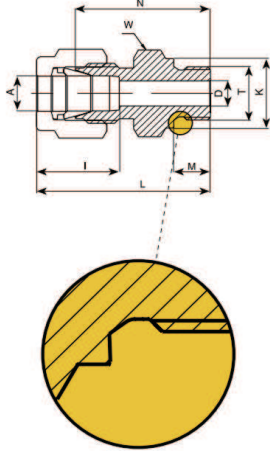
(FRACTIONAL)



CATALOG NUMBER	A	T	L	M	I	D	W	K	N
MC-01-01	1/8	G1/8	30.9	7.1	14	2.4	14	13.8	23.4
MC-01-02	1/8	G1/4	36.7	11.2	14	2.4	19	18	29.2
MC-02-01	1/4	G1/8	32.8	7.1	17.8	4.8	14	13.8	25
MC-02-02	1/4	G1/4	38	11.2	17.8	4.8	19	18	30.2
MC-02-03	1/4	G3/8	39.3	11.2	17.8	4.8	22	21.8	31.5
MC-02-04	1/4	G1/2	45.1	14.2	17.8	4.8	27	26	37.3
MC-03-01	3/8	G1/8	35.7	7.1	19.6	4.8	17	13.8	28.1
MC-03-02	3/8	G1/4	39.4	11.2	19.6	6.4	19	18	31.8
MC-03-03	3/8	G3/8	40.3	11.2	19.6	7.1	22	21.8	33
MC-03-04	3/8	G1/2	46.5	14.2	19.6	7.1	27	26	38.9
MC-03-06	3/8	G3/4	50.3	15.7	19.6	7.1	35	32	42.7
MC-04-01	1/2	G1/8	38.6	7.1	23.4	4.8	19	13.8	28.4
MC-04-02	1/2	G1/4	42.7	11.2	23.4	4.8	19	18	32.5
MC-04-03	1/2	G3/8	43.2	11.2	23.4	7.9	22	21.8	33
MC-04-04	1/2	G1/2	49.1	14.2	23.4	10.4	27	26	38.9
MC-04-06	1/2	G3/4	52.9	15.7	23.4	10.4	35	32	42.7
MC-04-08	1/2	G1"	55.4	18.3	23.4	10.4	41	39	45.2
MC-06-04	3/4	G1/2	49.3	14.2	24.4	11.9	27	26	38.9
MC-06-06	3/4	G3/4	53.1	15.7	24.4	15.9	35	32	42.7
MC-06-08	3/4	G1"	55.6	18.3	24.4	15.9	41	39	45.2
MC-08-04	1"	G1/2	56.2	14.2	31.7	11.9	35	26	43.5
MC-08-06	1"	G3/4	57	15.7	31.7	15.9	35	32	44.3
MC-08-08	1"	G1"	60.5	18.3	31.7	19.8	41	39	47.8

ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED. ONLY FOR REFERENCE SUBJECT TO CHANGE.
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(FRACTIONAL)

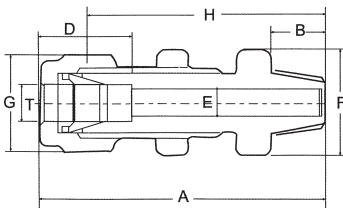
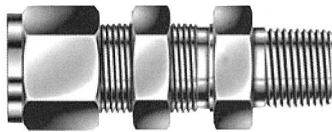


CATALOG NUMBER	A	T	L	M	I	D	W	K	N
MC-3-01	3	1/8	30.9	7.1	14	2.4	14	13.8	23.4
MC-3-02	3	1/4	36.7	11.2	14	2.4	19	18	29.2
MC-6-01	6	1/8	32.8	7.1	15.8	4.8	14	13.8	25
MC-6-02	6	1/4	38	11.2	15.8	4.8	19	18	30.2
MC-6-03	6	3/8	39.3	11.2	15.8	4.8	22	21.80	31.5
MC-6-04	6	1/2	45.1	14.2	15.8	4.8	27	26	37.3
MC-8-01	8	1/8	33.7	7.1	16.7	4.8	14	13.8	26
MC-8-02	8	1/4	38.9	11.2	16.7	6.4	19	18.00	31.2
MC-8-03	8	3/8	40	11.2	16.7	6.4	22	21.8	32.3
MC-8-04	8	1/2	45.8	14.2	16.7	6.4	27	26.00	38.1
MC-10-01	10	1/8	35.7	7.1	19.6	4.8	17	13.8	28.1
MC-10-02	10	1/4	39.4	11.2	19.6	6.4	19	18	31.8
MC-10-03	10	3/8	40.6	11.2	19.6	7.9	22	21.80	33
MC-10-04	10	1/2	46.5	14.2	19.6	7.9	27	26	38.9
MC-12-01	12	1/8	39.2	7.1	23.8	4.8	19	13.80	28.4
MC-12-02	12	1/4	43.3	11.2	23.8	6.4	19	18	32.5
MC-12-03	12	3/8	43.8	11.2	23.8	7.9	22	21.80	33
MC-12-04	12	1/2	49.7	14.2	23.8	9.5	27	26	38.9
MC-12-06	12	3/4	53.5	15.7	23.8	9.5	35	32.00	42.7
MC-14-03	14	3/8	44.6	11.2	24.8	7.9	22	21.8	33.8
MC-14-04	14	1/2	49.7	14.2	24.8	11.1	27	26.00	38.9
MC-15-04	15	1/2	49.7	14.2	24.4	11.9	27	26	38.9
MC-16-03	16	3/8	44.2	11.2	24.4	7.9	22	21.80	33.8
MC-16-04	16	1/2	49.3	14.2	24.4	11.9	27	26	38.9
MC-18-04	18	1/2	49.7	14.2	24.8	11.9	27	26.00	38.9
MC-22-06	22	3/4	53.2	15.7	25.5	15.9	35	32	42.7
MC-25-06	25	3/4	57	15.7	31.7	15.9	35	32.00	44.3

ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED. ONLY FOR REFERENCE SUBJECT TO CHANGE.
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BULKHEAD MALE CONNECTOR / 卡套式外螺纹穿板接头 (METRIC)

BMC 型



CATALOG NUMBER	TUBE O.D.	PIPESIZE PT/NPT	A	B	D	E	F	G	H	PANEL HOLE SIZE	MAX PANEL THICK.
BMC-6-1	6	1/8	49.8	10	15.8	4.8	16	14	42	11.5	11.2
BMC-6-2	6	1/4	53.8	14	15.8	4.8	16	14	46	11.5	11.2
BMC-6-3	6	3/8	53.8	14	15.8	4.8	17	14	46	11.5	11.2
BMC-6-4	6	1/2	61.8	19	15.8	4.8	22	14	54	11.5	11.2
BMC-8-1	8	1/8	52.1	10	16.7	6.4	16	16	44.4	13.1	11.2
BMC-8-2	8	1/4	56.7	14	16.7	6.4	19	16	49	13.1	11.2
BMC-8-3	8	3/8	56.7	14	16.7	6.4	19	16	49	13.1	11.2
BMC-8-4	8	1/2	63.7	19	16.7	6.4	22	16	56	13.1	11.2
BMC-10-2	10	1/4	58.1	14	19.6	7.1	22	19	50.5	16.3	11.2
BMC-10-3	10	3/8	58.1	14	19.6	7.9	22	19	50.5	16.3	11.2
BMC-10-4	10	1/2	64.9	19	19.6	7.9	22	19	57.3	16.3	11.2
BMC-12-2	12	1/4	63.9	14	23.8	7.1	24	22	53.1	19.5	12.7
BMC-12-3	12	3/8	63.9	14	23.8	9.5	24	22	53.1	19.5	12.7
BMC-12-4	12	1/2	69.6	19	23.8	9.5	24	22	58.8	19.5	12.7

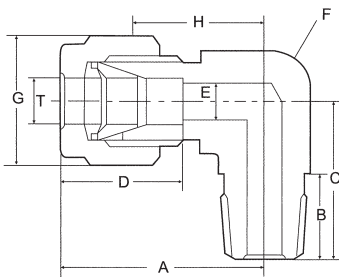
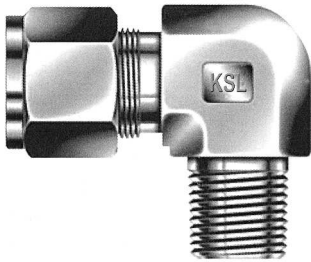
(FRACTIONAL)

BMC-02-1	1/4	1/8	49.8	10	15.8	4.8	16	14	42	11.5	11.2
BMC-02-2	1/4	1/4	53.8	14	15.8	4.8	16	14	46	11.5	11.2
BMC-02-3	1/4	3/8	53.8	14	15.8	4.8	17	14	46	11.5	11.2
BMC-02-4	1/4	1/2	61.8	19	15.8	4.8	22	14	54	11.5	11.2
BMC-03-2	3/8	1/4	57.6	14	19.6	7.1	19	17	50	14.7	11.2
BMC-03-3	3/8	3/8	57.6	14	19.6	7.1	19	17	50	14.7	11.2
BMC-03-4	3/8	1/2	64.9	19	19.6	7.1	24	17	57.3	14.7	11.2
BMC-04-2	1/2	1/4	63.5	14	23.4	7.1	24	22	53.1	19.5	12.7
BMC-04-3	1/2	3/8	63.5	14	23.4	9.5	24	22	53.1	19.5	12.7
BMC-04-4	1/2	1/2	69.2	19	23.4	10.4	24	22	58.8	19.5	12.7

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MALE ELBOW / 卡套式外螺纹弯头 (METRIC)

ME 型

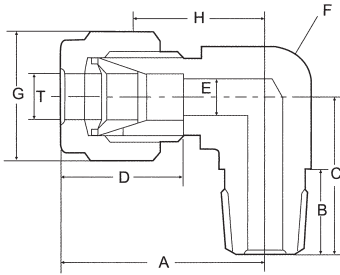
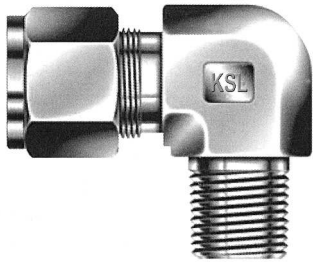


CATALOG NUMBER	T TUBE O.D.	PT-NPT MALE PIPE SIZE	A	B	C	D	E	F	K	G	H
ME-3-1	3	1/8	25.6	10	19.1	13.5	2.4	12.7	4.8	12	18.6
ME-3-2	3	1/4	25.6	14	23.2	13.5	2.4	15	7.1	12	18.6
ME-4-1	4	1/8	25.8	10	19.1	13.7	3	12.7	4.8	12	19.1
ME-4-2	4	1/4	25.8	14	23.2	13.7	3	15	7.1	12	19.1
ME-6-1	6	1/8	27.4	10	19.1	15.8	4.8	12.7	4.8	14	19.6
ME-6-2	6	1/4	27.4	14	23.2	15.8	4.8	15	7.1	14	19.6
ME-6-3	6	3/8	30.2	14	26	15.8	4.8	17.5	9.5	14	22.4
ME-6-4	6	1/2	32.2	19	33	15.8	4.8	20.6	11.9	14	24.4
ME-8-1	8	1/8	29	10	21.1	16.7	6.4	15	4.8	16	21.3
ME-8-2	8	1/4	29	14	23.2	16.7	6.4	15	7.1	16	21.3
ME-8-3	8	3/8	30.8	14	26	16.7	6.4	17.5	9.5	16	23.1
ME-8-4	8	1/2	32.8	19	33	16.7	6.4	20.6	11.9	16	25.1
ME-10-1	10	1/8	31.5	10	21.9	19.6	7.9	17	4.8	19	23.9
ME-10-2	10	1/4	31.5	14	26	19.6	7.9	17.5	7.1	19	23.9
ME-10-3	10	3/8	31.5	14	26	19.6	7.9	17.5	9.5	19	23.9
ME-10-4	10	1/2	33.5	19	33	19.6	7.9	20.6	11.9	19	25.9
ME-12-1	12	1/8	36.7	10	25.7	23.8	9.5	21	4.8	22	25.9
ME-12-2	12	1/4	36.7	14	28	23.8	9.5	20.6	7.1	22	25.9
ME-12-3	12	3/8	36.7	14	28	23.8	9.5	20.6	9.5	22	25.9
ME-12-4	12	1/2	36.7	19	33	23.8	9.5	20.6	11.9	22	25.9
ME-12-6	12	3/4	40.5	19	38.8	23.8	9.5	28	15.9	22	29.7
ME-12-8	12	1"	45.6	22	46.5	23.8	9.5	34.5	21.5	22	34.8
ME-14-3	14	3/8	38.7	14	29	24.8	11.1	23	9.5	27	27.9
ME-14-4	14	1/2	38.7	17	32	24.8	11.1	23	11.9	27	27.9
ME-14-6	14	3/4	40.5	19	38.8	24.8	11.1	28	15.9	27	29.7
ME-15-3	15	3/8	38.3	14	29	24.4	11.9	23	9.5	27	27.9
ME-15-4	15	1/2	38.3	17	32	24.4	11.9	23	11.9	27	27.9
ME-15-6	15	3/4	40.1	19	38.8	24.4	11.9	28	15.9	27	29.7
ME-16-3	16	3/8	38.3	14	29	24.4	12.7	23	9.5	27	27.9
ME-16-4	16	1/2	38.3	17	32	24.4	12.7	23	11.9	27	27.9
ME-16-6	16	3/4	40.1	19	38.8	24.4	12.7	28	15.9	27	29.7
ME-18-3	18	3/8	39.3	13.5	30	24.8	15.1	28	9.5	30	28.5
ME-18-4	18	1/2	40.5	17	36.8	24.8	15.1	28	11.9	30	29.7
ME-18-6	18	3/4	40.5	19	38.8	24.8	15.1	28	15.9	30	29.7
ME-20-4	20	1/2	42.5	19	38.5	25.5	15.9	32	11.9	32	32
ME-20-6	20	3/4	42.5	19	38.5	25.5	15.9	32	15.9	32	32
ME-22-4	22	1/2	42.5	19	38.5	25.5	18.3	32	11.9	32	32
ME-22-6	22	3/4	42.5	19	38.5	25.5	18.3	32	15.9	32	32
ME-22-8	22	1"	46	22	46.5	25.5	18.3	34.5	21.5	32	35.5
ME-25-4	25	1/2	49.5	19	41.7	31.7	21.8	34.5	11.9	38	36.8
ME-25-6	25	3/4	49.5	19	41.7	31.7	21.8	34.5	15.9	38	36.8
ME-25-8	25	1	49.5	22	46.5	31.7	21.8	34.5	21.5	38	36.8

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**MALE ELBOW / 卡套式外螺纹弯头
(FRACTIONAL)**

ME 型



CATALOG NUMBER	T TUBE O.D.	PT-NPT MALE PIPE SIZE	A	B	C	D	E	F	K	G	H
ME-01-1	1/8	1/8	26.1	10	19.1	14	2.4	12.7	4.8	12	18.6
ME-01-2	1/8	1/4	26.1	14	23.2	14	2.4	15	7.1	12	18.6
ME-015-1	3/16	1/8	25.8	10	19.1	13.7	3	12.7	4.8	12	19.1
ME-015-2	3/16	1/4	25.8	14	23.2	13.7	3	15	7.1	12	19.1
ME-02-1	1/4	1/8	27.4	10	19.1	15.8	4.8	12.7	4.8	14	19.6
ME-02-2	1/4	1/4	27.4	14	23.2	15.8	4.8	15	7.1	14	19.6
ME-02-3	1/4	3/8	30.2	14	26	15.8	4.8	17.5	9.5	14	22.4
ME-02-4	1/4	1/2	32.2	19	33	15.8	4.8	20.6	11.9	14	24.4
ME-03-1	3/8	1/8	28.9	10	21.1	19.6	7.1	15	4.8	17	21.3
ME-03-2	3/8	1/4	28.9	14	24.2	19.6	7.1	15	7.1	17	21.3
ME-03-3	3/8	3/8	31.5	14	26	19.6	7.1	17.5	9.5	17	23.9
ME-03-4	3/8	1/2	33.5	19	33	19.6	7.1	20.6	11.9	17	25.9
ME-04-1	1/2	1/8	36.1	10	25.7	23.4	10.4	20.6	4.8	22	25.9
ME-04-2	1/2	1/4	36.1	14	28	23.4	10.4	20.6	7.1	22	25.9
ME-04-3	1/2	3/8	36.1	14	28	23.4	10.4	20.6	9.5	22	25.9
ME-04-4	1/2	1/2	36.1	19	33	23.4	10.4	20.6	11.9	22	25.9
ME-04-6	1/2	3/4	39.9	19	38.8	23.4	10.4	28	15.9	22	29.7
ME-04-8	1/2	1"	45	22	46.5	23.4	10.4	34.5	21.5	22	34.8
ME-05-3	5/8	3/8	38.3	14	29	24.4	12.7	23	9.5	27	27.9
ME-05-4	5/8	1/2	38.3	17	32	24.4	12.7	23	11.9	27	27.9
ME-05-6	5/8	3/4	40.1	19	38.8	24.4	12.7	28	15.9	27	29.7
ME-06-3	3/4	3/8	40.1	14	33.8	24.4	15.7	28	9.5	30	29.7
ME-06-4	3/4	1/2	40.1	17	36.8	24.4	15.7	28	11.9	30	29.7
ME-06-6	3/4	3/4	40.1	19	38.8	24.4	15.7	28	15.9	30	29.7
ME-06-8	3/4	1"	45.2	22	46.5	24.4	15.7	34.5	21.5	30	34.8
ME-08-4	1"	1/2	49.5	19	41.7	31.7	22.4	34.5	11.9	38	36.8
ME-08-6	1"	3/4	49.5	19	41.7	31.7	22.4	34.5	15.9	38	36.8
ME-08-8	1"	1"	49.5	22	46.5	31.7	22.4	34.5	21.5	38	36.8

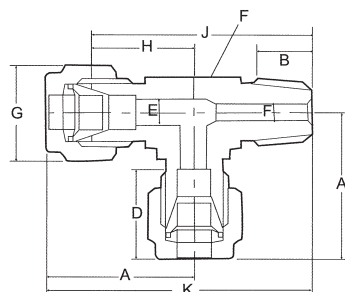
(FRACTIONAL)

CATALOG NUMBER	T TUBE O.D.	G-NPT MALE PIPE SIZE	A	B	C	D	E	F	K	G	H
ME-01-01-G	1/8	1/8	26.1	7.1	20.1	14	2.4	15	4.8	12	18.6
ME-02-01-G	1/4	1/8	27.4	7.1	20.1	15.8	4.8	15	4.8	14	19.6
ME-02-02-G	1/4	1/4	30.7	11.2	25.2	15.8	4.8	17.5	6.4	14	22.9
ME-02-03-G	1/4	3/8	31.7	12	25.9	15.8	4.8	21	7.9	14	23.9
ME-02-04-G	1/4	1/2	35.5	14.2	37.2	15.8	4.8	28	11.9	14	27.7
ME-03-01-G	3/8	1/8	28.9	7.1	20.1	19.6	7.1	15	4.8	17	21.3
ME-03-06-G	3/8	3/4	42.1	15.7	41.7	19.6	7.1	35	15.9	17	34.5
ME-04-02-G	1/2	1/4	36.1	11.2	26	23.4	10.4	21	13.2	22	25.9
M3-04-03-G	1/2	3/8	36.1	11.2	25.9	23.4	10.4	21	7.9	22	25.9
ME-04-04-G	1/2	1/2	39.9	14.2	37.2	23.4	10.4	28	11.9	22	29.7
ME-08-06-G	1"	3/4	49.5	15.7	41.7	31.7	22.4	35	15.9	38	36.8

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**MALE RUN TEE / 卡套式外螺纹侧三通
(METRIC)**

MRT 型



CATALOG NUMBER	TUBE O.D.	PT-NPT MALE PIPE SIZE	A	B	D	E	E1	F	G	H	J	K
MRT-4-1	4	1/8	25.7	10	13.7	3	4.8	12.7	12	19	38.6	45.3
MRT-4-2	4	1/4	27.5	14	13.7	3	7.1	16	12	20.8	44.8	51.5
MRT-6-1	6	1/8	27.4	10	15.8	4.8	4.8	12.7	14	19.6	39.2	47
MRT-6-2	6	1/4	29.2	14	15.8	4.8	6	16	14	21.4	45.4	53.2
MRT-6-3	6	3/8	30.2	14	15.8	4.8	9.5	17.5	14	22.4	46.9	54.7
MRT-6-4	6	1/2	31.7	19	15.8	4.8	11.9	20.6	14	23.9	56.9	64.7
MRT-8-1	8	1/8	30.1	10	16.7	6	4.8	16	16	22.4	43.4	51.1
MRT-8-2	8	1/4	30.1	14	16.7	6	6	16	16	22.4	46.4	54.1
MRT-8-3	8	3/8	30.8	19	16.7	6.4	9.5	17.5	16	23.1	47.6	55.3
MRT-8-4	8	1/2	32.7	19	16.7	6.4	11.9	20.6	16	24.9	57.9	65.7
MRT-10-1	10	1/8	31.5	10	19.6	7.9	4.8	17.5	19	23.9	46.4	54
MRT-10-2	10	1/4	31.5	14	19.6	7.9	7.1	17.5	19	23.9	48.9	56.5
MRT-10-3	10	3/8	31.5	14	19.6	7.9	7.9	17.5	19	23.9	48.9	56.5
MRT-10-4	10	1/2	33.5	19	19.6	7.9	11.9	20.6	19	25.9	58.9	66.5
MRT-12-2	12	1/4	36.7	14	23.8	9.5	7.1	20.6	22	25.9	54.1	64.9
MRT-12-3	12	3/8	36.7	14	23.8	9.5	9.5	20.6	22	25.9	54.1	64.9
MRT-12-4	12	1/2	36.7	19	23.8	9.5	9.5	20.6	22	25.9	58.9	69.7
MRT-12-6	12	3/4	38.8	19	23.8	9.5	15.7	28	22	28	64.8	75.6
MRT-14-3	14	3/8	39.5	14	24.8	11.1	9.5	23	27	28.7	57.7	68.5
MRT-14-4	14	1/2	39.5	19	24.8	11.1	11.1	23	27	28.7	62.7	73.5
MRT-14-6	14	3/4	38.8	19	24.8	11.1	15.7	28	27	28	64.8	75.6
MRT-16-3	16	3/8	39.1	14	24.4	12.7	9.5	22	27	28.7	57.7	68.1
MRT-16-4	16	1/2	39.1	19	24.4	12.7	11.9	22	27	28.7	62.7	73.1
MRT-16-6	16	3/4	38.4	19	24.4	12.7	15.7	28	27	28	64.8	75.2
MRT-18-3	18	3/8	38.8	14	24.8	15.1	9.5	28	30	28	60.5	71.3
MRT-18-4	18	1/2	38.8	19	24.8	15.1	11.9	28	30	28	64.8	75.6
MRT-18-6	18	3/4	38.8	19	24.8	15.1	15.1	28	30	28	64.8	75.6
MRT-20-4	20	1/2	46	19	25.5	15.9	11.9	34.5	32	35.5	77.2	87.7
MRT-20-6	20	3/4	46	19	25.5	15.9	15.9	34.5	32	35.5	77.2	87.7
MRT-22-4	22	1/2	46	19	25.5	18.3	11.9	34.5	32	35.5	77.2	87.7
MRT-22-6	22	3/4	46	19	25.5	18.3	15.7	34.5	32	35.5	77.2	87.7
MRT-25-4	25	1/2	49.5	19	31.7	21.8	11.9	34.5	38	36.8	78.5	91.2
MRT-25-6	25	3/4	49.5	19	31.7	21.8	15.7	34.5	38	36.8	78.5	91.2
MRT-25-8	25	1	49.5	22	31.7	21.8	21.8	34.5	38	36.8	81.3	94

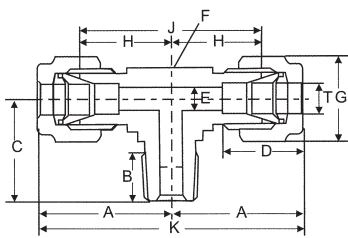
(FRACTIONAL)

MRT-01-1	1/8	1/8	26.1	10	14	2.4	4.8	12.7	12	18.6	38.2	45.7
MRT-01-2	1/8	1/4	28	14	14	2.4	6	16	12	20.5	44.5	52
MRT-02-1	1/4	1/8	27.4	10	15.8	4.8	4.8	12.7	14	19.6	39.2	47
MRT-02-2	1/4	1/4	29.2	14	15.8	4.8	6	16	14	21.4	45.4	53.2
MRT-02-3	1/4	3/8	30.2	14	15.8	4.8	9.5	17.5	14	22.4	46.9	54.7
MRT-02-4	1/4	1/2	31.7	19	15.8	4.8	11.9	20.6	14	23.9	56.9	64.7
MRT-03-1	3/8	1/8	30.7	10	19.6	7.1	4.8	16	17	23.1	44.1	51.7
MRT-03-2	3/8	1/4	30.7	14	19.6	7.1	7.1	16	17	23.1	47.1	54.7
MRT-03-3	3/8	3/8	30.7	14	19.6	7.1	7.1	16	17	23.1	47.6	55.2
MRT-03-4	3/8	1/2	33.5	19	19.6	7.1	11.9	20.6	17	25.9	58.9	66.5
MRT-04-2	1/2	1/4	36.1	14	23.4	10.4	7.1	20.6	22	25.9	54.1	64.3
MRT-04-3	1/2	3/8	36.1	14	23.4	10.4	9.5	20.6	22	25.9	54.1	64.3
MRT-04-4	1/2	1/2	36.1	19	23.4	10.4	10.4	20.6	22	25.9	58.9	69.1
MRT-04-6	1/2	3/4	38.2	19	23.4	10.4	15.7	28	22	28	64.8	75
MRT-05-3	5/8	3/8	39.1	14	24.4	12.7	9.5	22	27	28.7	57.7	68.1
MRT-05-4	5/8	1/2	39.1	19	24.4	12.7	11.9	22	27	28.7	62.7	73.1
MRT-05-6	5/8	3/4	38.4	19	24.4	12.7	15.7	28	27	28	64.8	75.2
MRT-06-4	3/4	1/2	38.4	14	24.4	15.7	11.9	28	30	28	64.8	75.2
MRT-06-6	3/4	3/4	38.4	19	24.4	15.7	15.7	28	32	28	64.8	75.2
MRT-08-6	1"	3/4	49.5	19	31.7	22.4	15.9	34.5	38	36.8	78.5	91.2
MRT-08-8	1"	1/1	49.5	22	31.7	22.4	22.4	34.5	38	36.8	81.3	94

All dimensions are in millimeters unless otherwise specified, only for reference subject to change.
上述尺寸数据仅供参考，如有变更恕不另行通知，未标注规格可询问工厂定制。

MALE BRANCH TEE / 卡套式外螺纹支管三通 (METRIC)

MBT 型



CATALOG NUMBER	T TUBE O.D.	PT-NPT MALE PIPE SIZE	A	B	C	D	E	F	G	H	J	K
MBT-4-1	4	1/8	25.7	10	19.6	13.7	3	12.7	12	19	38	51.4
MBT-4-2	4	1/4	27.5	14	24	13.7	3	16	12	20.8	41.6	55
MBT-6-1	6	1/8	27.4	10	19.6	15.8	4.8	12.7	14	19.6	39.2	54.8
MBT-6-2	6	1/4	29.2	14	24	15.8	4.8	16	14	21.4	42.8	58.4
MBT-6-3	6	3/8	30.2	14	24.5	15.8	4.8	17.5	14	22.4	44.8	60.4
MBT-6-4	6	1/2	31.7	19	33	15.8	4.8	20.6	14	23.9	47.8	63.4
MBT-8-1	8	1/8	30.1	10	21	16.7	6	16	16	22.4	44.8	60.2
MBT-8-2	8	1/4	30.1	14	24	16.7	6	16	16	22.4	44.8	60.2
MBT-8-3	8	3/8	30.8	14	24.5	16.7	6	17.5	16	23.1	46.2	61.6
MBT-8-4	8	1/2	32.6	19	33	16.7	6	20.6	16	24.9	49.8	65.2
MBT-10-1	10	1/8	33.5	10	22.5	19.6	7.9	17.5	19	25.9	51.8	67
MBT-10-2	10	1/4	33.5	14	26.5	19.6	7.9	17.5	19	25.9	51.8	67
MBT-10-3	10	3/8	33.5	14	26.5	19.6	7.9	17.5	19	25.9	51.8	67
MBT-10-4	10	1/2	33.5	19	33	19.6	7.9	20.6	19	25.9	51.8	67
MBT-12-2	12	1/4	36.7	14	28.2	23.8	9.5	20.6	22	25.9	51.8	73.4
MBT-12-3	12	3/8	36.7	14	28.2	23.8	9.5	20.6	22	25.9	51.8	73.4
MBT-12-4	12	1/2	36.7	19	33	23.8	9.5	20.6	22	25.9	51.8	73.4
MBT-12-6	12	3/4	38.8	19	36.8	23.8	9.5	28	22	28	56	77.6
MBT-14-3	14	3/8	39.5	14	29	24.8	11.1	22	27	28.7	57.4	79
MBT-14-4	14	1/2	39.5	19	34	24.8	11.1	22	27	28.7	57.4	79
MBT-14-6	14	3/4	38.8	19	36.8	24.8	11.1	28	27	28	56	77.6
MBT-16-3	16	3/8	39.1	14	29	24.4	12.7	22	27	28.7	57.4	78.2
MBT-16-4	16	1/2	39.1	19	34	24.4	12.7	22	27	28.7	57.4	78.2
MBT-16-6	16	3/4	38.4	19	36.8	24.4	12.7	28	27	28	56	76.8
MBT-18-3	18	3/8	38.8	14	32.5	24.8	15.1	28	30	28	56	77.6
MBT-18-4	18	1/2	38.8	19	36.8	24.8	15.1	28	30	28	56	77.6
MBT-18-6	18	3/4	38.8	19	36.8	24.8	15.1	28	30	28	56	77.6
MBT-20-4	20	1/2	46	19	41.7	25.5	15.9	34.5	32	35.5	71	92
MBT-20-6	20	3/4	46	19	41.7	25.5	15.9	34.5	32	35.5	71	92
MBT-22-4	22	1/2	46	19	41.7	25.5	18.3	34.5	32	35.5	71	92
MBT-22-6	22	3/4	46	19	41.7	25.5	18.3	34.5	32	35.5	71	92
MBT-25-4	25	1/2	49.5	19	41.7	31.7	21.8	34.5	38	36.8	73.6	99
MBT-25-6	25	3/4	49.5	19	41.7	31.7	21.8	34.5	38	36.8	73.6	99
MBT-25-8	25	1"	49.5	22	44.5	31.7	21.8	34.5	38	36.8	73.6	99

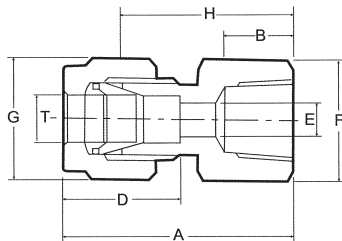
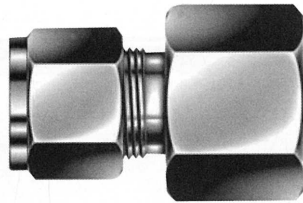
(FRACTIONAL)

MBT-01-1	1/8	1/8	26.1	10	19.6	14	2.4	12.7	12	18.6	37.2	52.2
MBT-01-2	1/8	1/4	28	14	24	14	2.4	16	12	20.5	41	56
MBT-02-1	1/4	1/8	27.4	10	19.6	15.8	4.8	12.7	14	19.6	39.2	54.8
MBT-02-2	1/4	1/4	29.2	14	24	15.8	4.8	16	14	21.4	42.8	58.4
MBT-02-3	1/4	3/8	30.2	14	24.5	15.8	4.8	17.5	14	22.4	44.8	60.4
MBT-02-4	1/4	1/2	31.7	19	33	15.8	4.8	20.6	14	23.9	47.8	63.4
MBT-03-1	3/8	1/8	30.7	14	21	19.6	7.1	16	17	23.1	46.2	61.4
MBT-03-2	3/8	1/4	30.7	14	24	19.6	7.1	16	17	23.1	46.2	61.4
MBT-03-3	3/8	3/8	30.7	14	24.5	19.6	7.1	17.5	17	23.1	46.2	61.4
MBT-03-4	3/8	1/2	33.5	19	33	19.6	7.1	20.6	17	25.9	51.8	67
MBT-04-2	1/2	1/4	36.1	14	28.2	23.4	10.4	20.6	22	25.9	51.8	72.2
MBT-04-3	1/2	3/8	36.1	14	28.2	23.4	10.4	20.6	22	25.9	51.8	72.2
MBT-04-4	1/2	1/2	36.1	19	33	23.4	10.4	20.6	22	25.9	51.8	72.2
MBT-04-6	1/2	3/4	38.2	19	36.8	23.4	10.4	28	22	28	56	76.4
MBT-05-3	5/8	3/8	39.1	14	29	24.4	12.7	22	27	28.7	57.4	78.2
MBT-05-4	5/8	1/2	39.1	19	34	24.4	12.7	22	27	28.7	57.4	78.2
MBT-05-6	5/8	3/4	38.4	19	36.8	24.4	12.7	28	27	28	56	76.8
MBT-06-4	3/4	1/2	38.4	19	36.8	24.4	15.7	28	30	28	56	76.8
MBT-06-6	3/4	3/4	38.4	19	36.8	24.4	15.7	28	30	28	56	76.8
MBT-08-6	1"	3/4	49.5	19	41.7	31.7	22.4	34.5	38	36.8	73.6	99
MBT-08-8	1"	1"	49.5	22	44.5	31.7	22.4	34.5	38	36.8	73.6	99

All dimensions are in millimeters unless otherwise specified, only for reference subject to change.
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FEMALE CONNECTOR / 卡套式内螺纹接头 (METRIC)

FC 型



CATALOG NUMBER	T TUBE O.D.	PT-NPT FEMALE PIPE SIZE	A	B	D	E	F	G	H
FC-4-1	4	1/8	30.6	10	13.7	3	14	12	23.9
FC-4-2	4	1/4	34.6	15	13.7	3	19	12	27.9
FC-6-1	6	1/8	31.7	10	15.8	4.8	14	14	23.9
FC-6-2	6	1/4	36.2	15	15.8	4.8	19	14	28.4
FC-6-3	6	3/8	38	15	15.8	4.8	22	14	30.2
FC-6-4	6	1/2	42.9	20	15.8	4.8	27	14	35.1
FC-8-1	8	1/8	32.3	10	16.7	6.4	14	16	24.6
FC-8-2	8	1/4	37.2	15	16.7	6.4	19	16	29.5
FC-8-3	8	3/8	38.7	15	16.7	6.4	22	16	31
FC-8-4	8	1/2	43.5	20	16.7	6.4	27	16	35.8
FC-10-1	10	1/8	34.8	10	19.6	7.9	17	19	27.2
FC-10-2	10	1/4	37.8	15	19.6	7.9	19	19	30.2
FC-10-3	10	3/8	39.4	15	19.6	7.9	22	19	31.8
FC-10-4	10	1/2	44.2	20	19.6	7.9	27	19	36.6
FC-12-1	12	1/8	38	10	23.8	8.6	22	22	27.2
FC-12-2	12	1/4	41	15	23.8	9.5	22	22	30.2
FC-12-3	12	3/8	42.6	15	23.8	9.5	22	22	31.8
FC-12-4	12	1/2	47.4	20	23.8	9.5	27	22	36.6
FC-12-6	12	3/4	48.9	19	23.8	9.5	35	22	38.1
FC-12-8	12	1"	52	22	23.8	9.5	41	22	41.2
FC-14-3	14	3/8	42.6	15	24.8	11.1	24	27	31.8
FC-14-4	14	1/2	47.4	20	24.8	11.1	27	27	36.6
FC-14-6	14	3/4	48.9	20	24.8	11.1	35	27	38.1
FC-15-3	15	3/8	42.2	15	24.4	11.9	24	27	31.8
FC-15-4	15	1/2	47	20	24.4	11.9	27	27	36.6
FC-15-6	15	3/4	48.5	20	24.4	11.9	35	27	38.1
FC-16-3	16	3/8	42.2	15	24.4	12.7	24	27	31.8
FC-16-4	16	1/2	47.2	20	24.4	12.7	27	27	36.8
FC-16-6	16	3/4	48.5	20	24.4	12.7	35	27	38.1
FC-18-3	18	3/8	42.6	15	24.8	15.1	27	30	31.8
FC-18-4	18	1/2	47.6	20	24.8	15.1	27	30	36.8
FC-18-6	18	3/4	48.9	20	24.8	15.1	35	30	38.1
FC-20-4	20	1/2	48.3	20	25.5	15.9	30	32	37.8
FC-20-6	20	3/4	50.1	20	25.5	15.9	35	32	39.6
FC-22-4	22	1/2	48.3	20	25.5	18.3	30	32	37.8
FC-22-6	22	3/4	50.1	20	25.5	18.3	35	32	39.6
FC-22-8	22	1"	58.3	22	31.7	18.3	41	32	47.8
FC-25-6	25	3/4	53.8	20	31.7	21.8	35	38	41.1
FC-25-8	25	1"	62.7	22	31.7	21.8	41	38	50

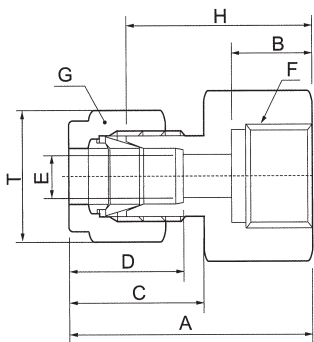
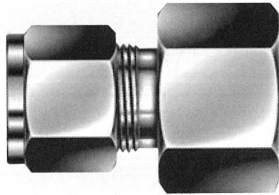
(FRACTIONAL)

FC-01-1	1/8	1/8	30.4	10	14	2.4	14	12	22.9
FC-01-2	1/8	1/4	34.5	15	14	2.4	14	12	27
FC-02-1	1/4	1/8	31.7	10	15.8	4.8	14	14	23.9
FC-02-2	1/4	1/4	36.2	15	15.8	4.8	19	14	28.4
FC-02-3	1/4	3/8	38	15	15.8	4.8	22	14	30.2
FC-02-4	1/4	1/2	42.9	20	15.8	4.8	27	14	35.1
FC-03-1	3/8	1/8	33	10	19.6	7.1	16	17	25.4
FC-03-2	3/8	1/4	37.8	15	19.6	7.1	19	17	30.2
FC-03-3	3/8	3/8	39.4	15	19.6	7.9	22	17	31.8
FC-03-4	3/8	1/2	44.2	20	19.6	7.9	27	17	36.6
FC-03-6	3/8	3/4	45.7	19	19.6	7.1	35	17	38.1
FC-04-1	1/2	1/8	37.4	10	23.4	10.4	22	22	27.2
FC-04-2	1/2	1/4	40.4	15	23.4	10.4	22	22	30.2
FC-04-3	1/2	3/8	42	15	23.4	10.4	22	22	31.8
FC-04-4	1/2	1/2	46.8	20	23.4	10.4	27	22	36.6
FC-04-6	1/2	3/4	48.3	20	23.4	10.4	35	22	38.1
FC-04-8	1/2	1"	51.4	22	23.4	10.4	41	22	41.2
FC-05-3	5/8	3/8	42.2	15	24.4	12.7	24	27	31.8
FC-05-4	5/8	1/2	47	20	24.4	12.7	27	27	36.6
FC-05-6	5/8	3/4	48.5	20	24.4	12.7	35	27	38.1
FC-06-4	3/4	1/2	47	20	24.4	15.7	27	30	36.6
FC-06-6	3/4	3/4	48.5	20	24.4	15.7	35	30	38.1
FC-06-8	3/4	1"	51.6	22	24.4	15.7	41	30	41.2
FC-08-4	1"	1/2	53.8	20	31.7	18.5	35	38	41.1
FC-08-6	1"	3/4	53.8	20	31.7	22.4	35	38	41.1
FC-08-8	1"	1"	62.7	22	31.7	22.4	41	38	50

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GAUGE CONNECTOR / 卡套式压力表接头
(METRIC) Connects metric tube to ISO parallel thread(gauge)

FCG 型



CATALOG NUMBER	T TUBE O.D.	R(PF) FEMALE PIPE SIZE	A	B	D	E	F	G	H
FCG-3-2G	3	1/8	34	14	13.5	2.4	19	12	27
FCG-6-2G	6	1/4	36.2	14	15.8	4.8	19	14	28.4
FCG-6-3G	6	3/8	38	15	15.8	4.8	22	14	30.2
FCG-6-4G	6	1/2	40.9	19	15.8	4.8	27	14	33.1
FCG-8-2G	8	1/4	38.7	14	16.7	5.5	19	16	31
FCG-8-3G	8	3/8	38.7	15	16.7	6.4	22	16	31
FCG-8-4G	8	1/2	43.5	20	16.7	6.4	27	16	35.8
FCG-10-2G	10	1/4	39.4	14	19.6	5.5	19	19	31.8
FCG-10-3G	10	3/8	39.4	15	19.6	6.5	22	19	31.8
FCG-10-4G	10	1/2	44.2	19	19.6	7	27	19	36.6
FCG-12-2G	12	1/4	42.6	14	23.8	5.5	22	22	31.8
FCG-12-3G	12	3/8	42.6	15	23.8	6.5	22	22	31.8
FCG-12-4G	12	1/2	48.9	19	23.8	7	27	22	38.1
FCG-20-4G	20	1/2	54.7	19	25.5	7	30	32	44.2
FCG-22-4G	20	1/2	54.7	19	25.5	7	30	32	44.2

(FRACTIONAL) Connects metric tube to ISO parallel thread(gauge)

FCG-02-1G	1/4	1/8	31.7	10	15.8	4.8	14	14	23.9
FCG-02-2G	1/4	1/4	36.2	14	15.8	4.8	19	14	28.4
FCG-02-3G	1/4	3/8	38	15	15.8	4.8	22	14	30.2
FCG-02-4G	1/4	1/2	40.9	19	15.8	4.8	27	14	33.1
FCG-03-2G	3/8	1/4	39.4	14	19.6	5.5	19	17	31.8
FCG-03-3G	3/8	3/8	44.2	15	19.6	6.5	22	17	36.6
FCG-03-4G	3/8	1/2	44.2	19	19.6	7	27	17	36.6
FCG-04-2G	1/2	1/4	42	14	23.4	5.5	22	22	31.8
FCG-04-3G	1/2	3/8	42	15	23.4	6.5	24	22	31.8
FCG-04-4G	1/2	1/2	48.3	19	23.4	7	27	22	38.1

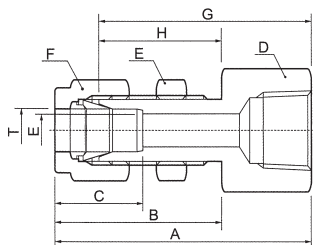
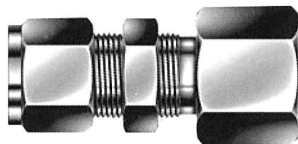
(FRACTIONAL) Connects metric tube to ISO parallel thread(gauge)

FC-3-M14*1.5	3	M14x1.5	34	15	13.5	2.4	19	12	27
FC-6-M14*1.5	6	M14x1.5	38	15	15.8	4.8	19	14	30.2
FC-8-M14*1.5	8	M14x1.5	37.8	15	16.7	5.5	19	16	31
FC-10-M14*1.5	10	M14x1.5	39.4	15	19.6	5.5	19	19	31.8
FC-12-M14*1.5	12	M14x1.5	42.6	15	23.8	5.5	22	22	31.8
FC-6-M16*1.5	6	M16x1.5	38	16	15.8	6.5	22	14	30.2
FC-8-M16*1.5	8	M16x1.5	38.7	16	16.7	6.4	22	16	31
FC-10-M16*1.5	10	M16x1.5	39.4	16	19.6	6.4	22	19	31.8
FC-12-M16*1.5	12	M16x1.5	42.6	16	23.8	6.5	22	22	31.8
FC-8-M18*1.5	8	M18x1.5	41.3	16	16.7	6.4	24	16	33.6
FC-12-M18*1.5	12	M18x1.5	44.4	16	23.8	7	24	22	33.6
FC-6-M20*1.5	6	M20x1.5	40.3	16	15.8	4.8	27	14	32.5
FC-8-M20*1.5	8	M20x1.5	41.2	16	16.7	6.4	27	16	33.5
FC-10-M20*1.5	10	M20x1.5	42.1	16	19.6	7	27	19	34.5
FC-12-M20*1.5	12	M20x1.5	45.3	16	23.8	7	27	22	34.5

All dimensions are in millimeters unless otherwise specified, only for reference subject to change.
 上述尺寸数据仅供参考, 如有变更恕不另行通知, 未标注规格可询问工厂定制。

BULKHEAD FEMALE CONNECTOR / 卡套式内螺纹穿板接头 (METRIC)

BFC 型

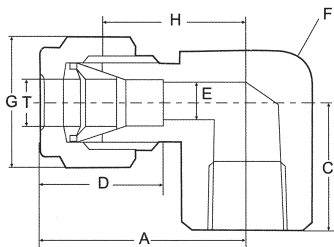
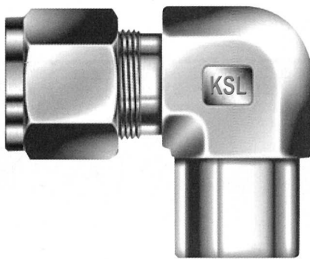


CATALOG NUMBER	T TUBE O.D.	PT-NPT FEMALE PIPE SIZE	A	D	E	F	G	H	PANEL HOLE DRILL	MAX PANEL THICK
BFC-6-1	6	1/8	47.4	16	4.8	14	39.6	26.2	11.5	10.2
BFC-6-2	6	1/4	52.2	19	4.8	14	44.4	26.2	11.5	10.2
BFC-8-2	8	1/4	54.4	19	6.4	16	46.7	28.2	13.1	11.2
BFC-10-4	10	1/2	61.6	27	7.9	19	54.01	29.4	16.3	11.2
BFC-12-4	12	1/2	67.2	27	9.5	22	56.4	31.8	19.5	12.7
BFC-14-4	14	1/4	67.9	27	11.1	27	57.1	32.5	22.8	12.7
BFC-01-1	1/8	1/8	45.6	14	2.4	12	38.1	24.2	8.3	11.2
BFC-02-1	1/4	1/8	47.4	16	4.8	14	39.6	26.2	11.5	10.2
BFC-02-2	1/4	1/4	52.2	19	4.8	14	44.4	26.2	11.5	10.2
BFC-03-2	3/8	1/4	55.4	19	7.1	17	47.8	29.5	14.7	11.2
BFC-03-3	3/8	3/8	57	22	7.9	17	49.4	29.5	14.7	11.2
BFC-04-3	1/2	3/8	61.8	24	10.4	22	51.6	31.8	19.5	12.7
BFC-04-4	1/2	1/2	66.6	27	10.4	22	56.4	31.8	19.5	12.7
BFC-06-6	3/4	3/4	74	35	15.7	30	63.6	37.3	26	16.8

All dimensions are in millimeters unless otherwise specified, only for reference subject to change.
 上述尺寸数据仅供参考, 如有变更恕不另行通知, 未标注规格可询问工厂定制。

**FEMALE ELBOW / 卡套式内螺纹接头
(METRIC)**

FE 型



CATALOG NUMBER	T	PT-NPT		A	C	D	E	E2	F	G	H
		MALE	PIPE								
	O.D.	SIZE									
FE-6-1	6	1/8		27.4	19.1	15.8	4.8	8	15	14	19.6
FE-6-2	6	1/4		30.2	22.4	15.8	4.8	11	17	14	22.4
FE-6-3	6	3/8		31.7	22.4	15.8	4.8	15	21	14	23.9
FE-6-4	6	1/2		35.3	28.5	15.8	4.8	18.5	28	14	27.5
FE-8-1	8	1/8		28.7	19.1	16.7	6.4	8	15	16	21
FE-8-2	8	1/4		30.1	22.4	16.7	6.4	11	17	16	23
FE-8-3	8	3/8		31.7	22.4	16.7	6.4	15	21	16	24
FE-8-4	8	1/2		35.7	28.5	16.7	6.4	18.5	28	16	27.5
FE-10-1	10	1/8		31.6	21	19.6	7.9	8	17	19	24
FE-10-2	10	1/4		31.6	22.4	19.6	7.9	11	17	19	24
FE-10-3	10	3/8		32.6	22.4	19.6	7.9	15	21	19	25
FE-10-4	10	1/2		36.1	28.5	19.6	7.9	18.5	28	19	28.5
FE-12-1	12	1/8		36.7	22.4	23.8	9.5	8	21	22	25.9
FE-12-2	12	1/4		36.7	22.4	23.8	9.5	11	21	22	25.9
FE-12-3	12	3/8		36.7	22.4	23.8	9.5	15	21	22	25.9
FE-12-4	12	1/2		39.3	28.5	23.8	9.5	18.5	28	22	28.5
FE-12-6	12	3/4		42.8	33.5	23.8	9.5	21.8	32	22	32
FE-14-3	14	3/8		38.8	28	24.8	11.1	15	24	27	28
FE-14-4	14	1/2		39.3	28.5	24.8	11.1	18.5	28	27	28.5
FE-14-6	14	3/4		42.8	33.5	24.8	11.1	21.8	32	27	32
FE-15-3	15	3/8		38.4	28	24.4	11.9	15	24	27	28
FE-15-4	15	1/2		38.9	28.5	24.4	11.9	18.5	28	27	28.5
FE-15-6	15	3/4		42.4	33.5	24.4	11.9	21.8	32	27	32
FE-16-3	16	3/8		38.4	28	24.4	12.7	12.7	24	27	28
FE-16-4	16	1/2		38.9	28.5	24.4	12.7	18.5	28	27	28.5
FE-16-6	16	3/4		42.4	33.5	24.4	12.7	21.8	32	27	32
FE-18-3	18	3/8		39.3	25.4	24.8	15.1	15	28	30	28.5
FE-18-4	18	1/2		39.3	28.4	24.8	15.1	18.5	28	30	28.5
FE-18-6	18	3/4		42.8	33.5	24.8	15.1	21.8	32	30	32
FE-20-4	20	1/2		43	33.5	25.5	15.9	18.5	32	32	32.5
FE-20-6	20	3/4		43	33.5	25.5	15.9	21.8	32	32	32.5
FE-22-4	22	1/2		43	33.5	25.5	18.3	18.5	32	32	32.5
FE-22-6	22	3/4		43	33.5	25.5	18.3	21.8	32	32	32.5
FE-25-4	25	1/2		47.7	35	31.7	21.8	18.5	34.5	38	35
FE-25-6	25	3/4		47.7	35	31.7	21.8	21.8	34.5	38	35

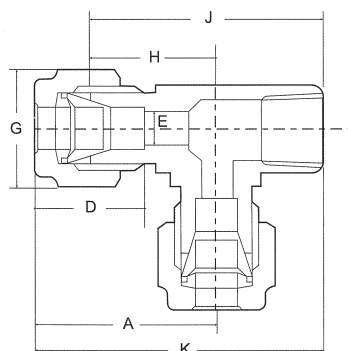
(FRACTIONAL)

FE-02-1	1/4	1/8		27.4	19.1	15.8	4.8	8	15	14	19.6
FE-02-2	1/4	1/4		30.2	22.4	15.8	4.8	11	17	14	22.4
FE-02-3	1/4	3/8		30.2	23.9	15.8	4.8	15	21	14	22.4
FE-02-4	1/4	1/2		36.3	27.5	15.8	4.8	18.5	28	14	28.5
FE-03-1	3/8	1/8		30.7	19.8	19.6	7.1	8	17	17	23.1
FE-03-2	3/8	1/4		31.6	22.4	19.6	7.1	11	17	17	24
FE-03-3	3/8	3/8		32.6	22.4	19.6	7.1	15	21	17	25
FE-03-4	3/8	1/2		36.1	28.5	19.6	7.1	18.5	28	17	28.5
FE-04-1	1/2	1/8		36.1	22.4	23.4	10.4	8	21	22	25.9
FE-04-2	1/2	1/4		36.1	22.4	23.4	10.4	11	21	22	25.9
FE-04-3	1/2	3/8		36.1	22.4	23.4	10.4	15	21	22	25.9
FE-04-4	1/2	1/2		38.7	28.5	23.4	10.4	18.5	28	22	28.5
FE-04-6	1/2	3/4		42.2	33.5	23.4	10.4	21.8	32	22	32
FE-05-6	5/8	1/2		42.4	33.5	24.4	12.7	21.8	32	27	32
FE-06-4	3/4	3/4		38.9	28.4	24.4	15.7	18.5	28	30	28.5
FE-06-6	3/4	3/4		42.4	33.5	24.4	15.7	21.8	32	30	32
FE-08-6	1"	3/4		47.7	35	31.7	22.4	22.4	34.5	38	35

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FEMALE RUN TEE / 卡套式内螺纹侧三通
(METRIC)

FRT 型



CATALOG NUMBER	T TUBE O.D.	PT-NPT MALE PIPE SIZE	A	D	E	F	G	H	J	K
FRT-6-1	6	1/8	30.2	15.8	4.8	16	14	22.4	44.8	52.6
FRT-6-2	6	1/4	30.2	15.8	4.8	17.5	14	22.4	44.8	52.6
FRT-6-3	6	3/8	31.1	15.8	4.8	21	14	23.3	45.7	53.5
FRT-6-4	6	1/2	34.3	15.8	4.8	28	14	26.5	56.5	64.3
FRT-8-1	8	1/8	30.1	16.7	6.4	16	16	22.4	44.8	52.5
FRT-8-2	8	1/4	30.1	16.7	6.4	17.5	16	22.4	44.8	52.5
FRT-8-3	8	3/8	32	16.7	6.4	21	16	24.3	46.7	54.4
FRT-8-4	8	1/2	35.2	16.7	6.4	28	16	27.5	57.5	65.2
FRT-10-1	10	1/8	31.5	19.6	7.9	17.5	19	23.9	46.3	53.9
FRT-10-2	10	1/4	31.5	19.6	7.9	17.5	19	23.9	46.3	53.9
FRT-10-3	10	3/8	32.9	19.6	7.9	21	19	25.3	47.7	55.3
FRT-10-4	10	1/2	36.6	19.6	7.9	28	19	28.5	58.5	66.6
FRT-12-1	12	1/8	36.7	23.8	8	19	22	25.9	48.3	59.1
FRT-12-2	12	1/4	36.7	23.8	9.5	19	22	25.9	48.3	59.1
FRT-12-3	12	3/8	36.1	23.8	9.5	21	22	25.3	47.7	58.5
FRT-12-4	12	1/2	36.7	23.8	9.5	28	22	28.5	58.5	66.7
FRT-12-6	12	3/4	43.3	23.8	9.5	32	22	32.5	65.5	76.3
FRT-14-3	14	3/8	38.8	24.8	11.1	24	27	28	55	65.8
FRT-14-4	14	1/2	39.3	24.8	11.1	28	27	28.5	58.5	69.3
FRT-14-6	14	3/4	43.3	24.8	11.1	32	27	32.5	65.5	76.3
FRT-15-3	15	3/8	38.4	24.4	11.9	24	27	28	55	65.4
FRT-15-4	15	1/2	38.9	24.4	11.9	28	27	28.5	58.5	68.9
FRT-15-6	15	3/4	42.9	24.4	11.9	32	27	32.5	65.5	75.9
FRT-16-3	16	3/8	38.4	24.4	12.7	24	27	28	55	65.4
FRT-16-4	16	1/2	38.9	24.4	12.7	28	27	28.5	58.5	68.9
FRT-16-6	16	3/4	42.9	24.4	12.7	32	27	32.5	65.5	75.9
FRT-18-3	18	3/8	39.3	24.8	15.1	28	30	28.5	55.5	66.3
FRT-18-4	18	1/2	39.3	24.8	15.1	28	30	28.5	58.5	66.3
FRT-18-6	18	3/4	43.3	24.8	15.1	32	30	32.5	65.5	76.3
FRT-20-4	20	1/2	44	25.5	15.9	32	32	33.5	66.5	77
FRT-20-6	20	3/4	44	25.5	15.9	32	32	33.5	66.5	77
FRT-22-4	22	1/2	44	25.5	18.3	32	32	33.5	66.5	77
FRT-22-6	22	3/4	44	25.5	18.3	32	32	33.5	66.5	77
FRT-25-4	25	1/2	47.7	31.7	18.5	34.5	38	35	70	82.7
FRT-25-6	25	3/4	47.7	31.7	21.8	34.5	38	35	70	82.7

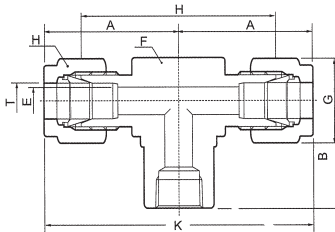
(FRACTIONAL)

FRT-02-1	1/4	1/8	30.2	15.8	4.8	16	14	22.4	44.8	52.6
FRT-02-2	1/4	1/4	30.2	15.8	4.8	17.5	14	22.4	44.8	52.6
FRT-02-3	1/4	3/8	31.1	15.8	4.8	21	14	23.3	45.7	53.5
FRT-02-4	1/4	1/2	34.3	15.8	4.8	28	14	26.5	56.5	64.3
FRT-03-1	3/8	1/8	30.7	19.6	7.1	16	17	23.1	45.5	53.1
FRT-03-2	3/8	1/4	31.5	19.6	7.1	17.5	17	23.9	46.3	53.9
FRT-03-3	3/8	3/8	32.9	19.6	7.1	21	17	25.3	47.7	55.3
FRT-03-4	3/8	1/2	36.1	19.6	7.1	28	17	28.5	58.5	66.1
FRT-04-1	1/2	1/8	36.1	23.4	8	19	22	25.9	48.3	58.5
FRT-04-2	1/2	1/4	36.1	23.4	10.4	19	22	25.9	48.3	58.5
FRT-04-3	1/2	3/8	35.5	23.4	10.4	21	22	25.3	47.7	57.9
FRT-04-4	1/2	1/2	38.7	23.4	10.4	28	22	28.5	58.5	68.7
FRT-04-6	1/2	3/4	38.4	23.4	10.4	32	22	32.5	65.5	71.4
FRT-06-4	3/4	1/2	38.4	24.4	15.7	28	30	28.5	58.5	68.4
FRT-06-6	3/4	3/4	42.9	24.4	15.7	32	30	32.5	65.5	75.9
FRT-08-6	1"	3/4	47.7	31.7	22.4	34.5	38	35	70	82.7

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FEMALE BRANCH TEE / 卡套式内螺纹支管三通 (METRIC)

FBT 型



CATALOG NUMBER	T TUBE O.D.	PT-NPT MALE PIPE SIZE	A	B	D	E	F	G	H	K
FBT-6-1	6	1/8	22.4	22.4	15.8	4.8	16	14	44.8	60.4
FBT-6-2	6	1/4	22.4	22.4	15.8	4.8	17.5	14	44.8	60.4
FBT-6-3	6	3/8	23.3	22.4	15.8	4.8	21	14	46.6	62.2
FBT-6-4	6	1/2	26.5	30	15.8	4.8	28	14	53	68.6
FBT-8-1	8	1/8	22.4	22.4	16.7	6.4	16	16	44.8	60.2
FBT-8-2	8	1/4	22.4	22.4	16.7	6.4	17.5	16	44.8	60.2
FBT-8-3	8	3/8	24.3	22.4	16.7	6.4	21	16	48.6	64
FBT-8-4	8	1/2	27.5	30	16.7	6.4	28	16	55	70.4
FBT-10-1	10	1/8	23.9	22.4	19.6	7.9	17.5	19	47.8	63
FBT-10-2	10	1/4	23.9	22.4	19.6	7.9	17.5	19	47.8	63
FBT-10-3	10	3/8	25.3	22.4	19.6	7.9	21	19	50.6	65.8
FBT-10-4	10	1/2	28.5	30	19.6	7.9	28	19	58	73.2
FBT-12-1	12	1/8	25.9	22.4	23.8	9.5	19	22	51.8	73.4
FBT-12-2	12	1/4	25.9	22.4	23.8	9.5	19	22	51.8	73.4
FBT-12-3	12	3/8	25.3	22.4	23.8	9.5	21	22	50.6	72.2
FBT-12-4	12	1/2	28.5	30	23.8	9.5	28	22	51.8	73.4
FBT-12-6	12	3/4	32.5	33	23.8	9.5	32	22	65	86.6
FBT-14-3	14	3/8	28	27	24.8	11.1	24	27	56	77.6
FBT-14-4	14	1/2	28.5	30	24.8	11.1	28	27	57	78.6
FBT-14-6	14	3/4	32.5	33	24.8	11.1	32	27	65	86.6
FBT-15-3	15	3/8	28	27	24.4	11.9	24	27	56	76.8
FBT-15-4	15	1/2	28.5	30	24.4	11.9	28	27	57	77.8
FBT-15-6	15	3/4	32.5	33	24.4	11.9	32	27	65	85.8
FBT-16-3	16	3/8	28	27	24.4	12.7	24	27	56	76.8
FBT-16-4	16	1/2	28.5	30	24.4	12.7	28	27	57	77.8
FBT-16-6	16	3/4	32.5	33	24.4	12.7	32	27	65	85.8
FBT-18-3	18	3/8	28.5	27	24.8	15.1	28	30	57	78.6
FBT-18-4	18	1/2	28.5	30	24.8	15.1	28	30	57	78.6
FBT-18-6	18	3/4	32.5	33	24.8	15.1	32	30	65	86.6
FBT-20-4	20	1/2	33.5	33	25.5	15.9	32	32	67	88
FBT-20-6	20	3/4	33.5	33	25.5	15.9	32	32	67	88
FBT-22-4	22	1/2	33.5	33	25.5	18.3	32	32	67	88
FBT-22-6	22	3/4	33.5	33	25.5	18.3	32	32	67	88
FBT-25-4	25	1/2	35	35	31.7	21.8	34.5	38	70	95.4
FBT-25-6	25	3/4	35	35	31.7	21.8	34.5	38	70	95.4

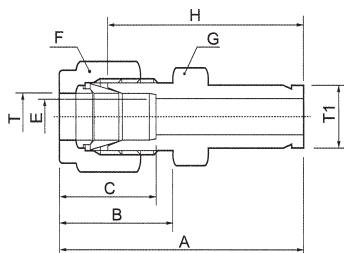
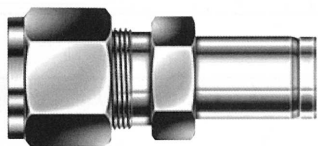
(FRACTIONAL)

FBT-02-1	1/4	1/8	22.4	22.4	15.8	4.8	16	14	44.8	60.4
FBT-02-2	1/4	1/4	22.4	22.4	15.8	4.8	17.5	14	44.8	60.4
FBT-02-3	1/4	3/8	23.3	22.4	15.8	4.8	21	14	46.6	62.2
FBT-02-4	1/4	1/2	26.5	30	15.8	4.8	28	14	53	68.6
FBT-03-1	3/8	1/8	23.1	22.4	19.6	7.1	16	17	46.2	61.4
FBT-03-2	3/8	1/4	23.9	22.4	19.6	7.1	17.5	17	47.8	63
FBT-03-3	3/8	3/8	25.3	22.4	19.6	7.1	21	17	50.6	65.8
FBT-03-4	3/8	1/2	28.5	30	19.6	7.1	28	17	57	72.2
FBT-04-1	1/2	1/8	25.9	22.4	23.4	10.4	19	22	51.8	72.2
FBT-04-2	1/2	1/4	25.9	22.4	23.4	10.4	19	22	51.8	72.2
FBT-04-3	1/2	3/8	25.3	22.4	23.4	10.4	21	22	50.6	71
FBT-04-4	1/2	1/2	28.5	30	23.4	10.4	28	22	57	77.4
FBT-06-3	3/4	3/8	28.5	27	24.4	15.7	28	30	56	76.8
FBT-06-4	3/4	1/2	28.5	30	24.4	15.7	28	30	56	76.8
FBT-06-6	3/4	3/4	32.5	33	24.4	15.7	32	30	65	85.8
FBT-08-6	1"	3/4	35	35	31.7	22.4	34.5	38	70	95.4

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REDUCER / 异径接头(渐缩管)
(METRIC) Connects metric tube to fractional NB-KSL port

ODTA 型



CATALOG NUMBER	T TUBE O.D.	T1 TUBE O.D.	A	B	C	E	F	G	H
ODTA-01-02	1/8	6.35	37	16.5	14	2.4	12	12	29.5
ODTA-01-03	1/8	9.52	39.5	16.5	14	2.4	12	12	32
ODTA-01-04	1/8	12.7	45.1	16.5	14	2.4	12	14	37.6
ODTA-02-02	1/4	6.35	40.3	17.8	15.8	4.8	14	12	32.5
ODTA-02-03	1/4	9.52	41.1	17.8	15.8	4.8	14	12	33.3
ODTA-02-04	1/4	12.7	46.7	17.8	15.8	4.8	14	14	38.9
ODTA-02-06	1/4	19.05	48.8	17.8	15.8	4.8	14	22	41
ODTA-03-02	3/8	6.35	41.5	19.6	19.6	4.8	17	16	33.9
ODTA-03-03	3/8	9.52	43.4	19.6	19.6	7.1	17	16	35.8
ODTA-03-04	3/8	12.7	49	19.6	19.6	7.1	17	16	41.4
ODTA-03-06	3/8	19.05	50.6	19.6	19.6	7.1	17	22	43
ODTA-04-02	1/2	6.35	45	22.2	23.4	4.8	22	22	34.8
ODTA-04-03	1/2	9.52	47.1	22.2	23.4	7.1	22	22	36.9
ODTA-04-04	1/2	12.7	52.7	22.2	23.4	9.9	22	22	42.5
ODTA-04-05	1/2	15.88	53.9	22.2	23.4	10.4	22	22	43.7
ODTA-04-06	1/2	19.05	53.9	22.2	23.4	10.4	22	22	43.7
ODTA-06-04	3/4	12.7	54.9	22.4	24.4	9.9	30	27	44.5
ODTA-06-08	3/4	25.4	62.7	22.4	24.4	15.7	30	27	52.3
ODTA-08-03	1"	9.52	56.8	27	31.7	7.1	38	35	44.1
ODTA-08-04	1"	12.7	62.4	27	31.7	9.9	38	35	49.7
ODTA-08-06	1"	19.05	63.9	27	31.7	12.7	38	35	51.2
ODTA-08-08	1"	25.4	69.9	27	31.7	20.3	38	35	57.2

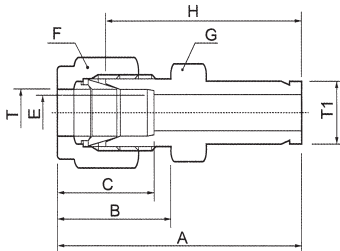
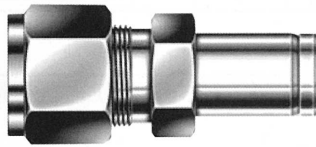
(METRIC) Connects metric tube to fractional NB-KSL port

ODTA-3-02	3	6.35	36.5	16	13.5	2.4	12	12	29.5
ODTA-4-02	4	6.35	36.7	16.2	13.7	3	12	12	30
ODTA-6-02	6	6.35	40.3	17.8	15.8	4.8	14	12	32.5
ODTA-6-03	6	9.52	41.1	17.8	15.8	4.8	14	12	33.3
ODTA-6-04	6	12.7	46.7	17.8	15.8	4.8	14	14	38.9
ODTA-8-02	8	6.35	40.1	18.7	16.7	4.8	16	14	32.4
ODTA-8-03	8	9.52	42	18.7	16.7	6.4	16	14	34.3
ODTA-8-04	8	12.7	47.8	18.7	16.7	6.4	16	16	40.1
ODTA-10-03	10	9.52	44.5	19.6	19.6	7.1	19	17	36.9
ODTA-10-04	10	12.7	49.8	19.6	19.6	7.9	19	17	42.2
ODTA-12-04	12	12.7	53.3	22.8	23.8	9.5	22	22	42.5
ODTA-12-06	12	19.05	54.5	22.8	23.8	9.5	22	22	43.7
ODTA-18-06	18	19.05	56.8	22.8	24.8	12.7	30	27	46
ODTA-18-08	18	25.4	63.1	22.8	24.8	13.9	30	27	52.3
ODTA-25-08	25	25.4	69.9	27	31.7	20.3	38	35	57.2

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REDUCER / 异径接头(渐缩管)
(METRIC) Connects metric tube to fractional NB-KSL port

ODTA 型

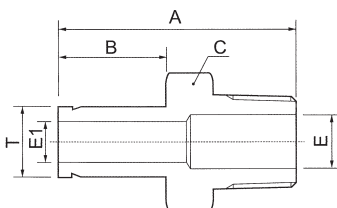
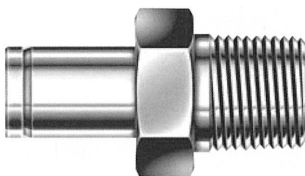


CATALOG NUMBER	T TUBE O.D.	T1 TUBE	A	B	C	E	F	G	H
ODTA-3-6	3	6	36.5	16	13.5	2.4	12	12	29.5
ODTA-4-6	4	6	36.7	16.2	13.7	3	12	12	30
ODTA-6-8	6	8	40.3	17.8	15.8	4.8	14	12	32.5
ODTA-6-10	6	10	41.1	17.8	15.8	4.8	14	14	33.3
ODTA-6-12	6	12	46.7	17.8	15.8	4.8	14	14	38.9
ODTA-8-6	8	6	40.1	18.7	16.7	4.4	16	14	32.4
ODTA-8-10	8	10	42.1	18.7	16.7	6.4	16	14	34.5
ODTA-8-12	8	12	47.6	18.7	16.7	6.4	16	14	39.9
ODTA-10-6	10	6	42.4	19.6	19.6	4.4	19	17	34.8
ODTA-10-8	10	8	43.4	19.6	19.6	6.2	19	17	35.8
ODTA-10-12	10	12	49.8	19.6	19.6	7.9	19	17	42.2
ODTA-12-6	12	6	45.6	22.8	23.8	9.5	22	22	34.8
ODTA-12-8	12	8	46.3	22.8	23.8	6.2	22	22	35.5
ODTA-12-10	12	10	47.4	22.8	23.8	7.9	22	22	36.6
ODTA-12-16	12	16	54.5	22.8	23.8	9.5	22	22	43.7
ODTA-12-18	12	18	54.5	22.8	23.8	9.5	22	22	43.7
ODTA-12-20	12	20	56.8	22.8	23.8	9.5	22	22	46
ODTA-12-22	12	22	56.8	22.8	23.8	9.5	22	24	46
ODTA-12-25	12	25	63.1	22.8	23.8	9.5	22	27	52.3
ODTA-16-12	16	12	53.3	22.4	24.4	9.1	27	24	42.9
ODTA-18-12	18	12	55.3	22.8	24.8	9.1	30	27	44.5
ODTA-18-20	18	20	58.3	22.8	24.8	15.1	30	27	47.5
ODTA-18-22	18	22	58.3	22.8	24.8	15.1	30	27	47.5
ODTA-18-25	18	25	63.1	22.8	24.8	15.1	30	27	52.3
ODTA-20-16	20	16	58.3	23.5	25.5	12.7	32	30	47.8
ODTA-20-18	20	18	58.3	23.5	25.5	13.9	32	30	47.8
ODTA-20-22	20	22	59.8	23.5	25.5	15.8	32	30	49.3
ODTA-20-25	20	25	64.6	23.5	25.5	15.8	32	30	54.1
ODTA-22-18	22	18	58.3	23.5	25.5	13.9	32	30	47.8
ODTA-22-20	22	20	59.8	23.5	25.5	15.1	32	30	49.3
ODTA-22-25	22	25	64.6	23.5	25.5	18.3	32	30	54.1
ODTA-25-18	25	18	63.5	27	31.7	13.9	38	35	50.8
ODTA-25-20	25	20	65	27	31.7	15.1	38	35	52.3

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MALE ADAPTER / Tube 管转Pipe管外螺纹转换接头
Connects metric NB-KSL port to female ISO tapered thread

TAM 型

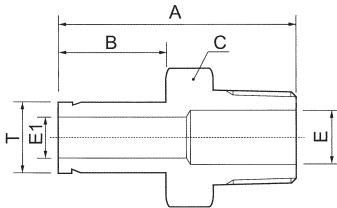
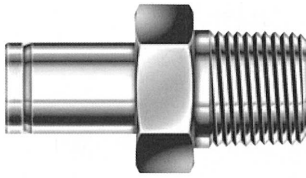


CATALOG NUMBER	T TUBE	PT-NPT FEMALE PIPE SIZE	A	B	C	E	E1
TAM-02-1	1/4	1/8	31.6	15.7	12	4.4	4.7
TAM-02-2	1/4	1/4	38.1	15.7	14	7.1	4.4
TAM-02-3	1/4	3/8	36.2	15.7	17	9.5	4.4
TAM-02-4	1/4	1/2	43.4	15.7	22	11.9	4.4
TAM-03-1	3/8	1/8	33.5	17.6	14	7.1	4.8
TAM-03-2	3/8	1/4	38.9	17.6	14	7.1	7.1
TAM-03-3	3/8	3/8	39.6	17.6	17	9.5	7.1
TAM-03-4	3/8	1/2	43.4	17.6	22	11.9	7.1
TAM-04-2	1/2	1/4	44.5	23.2	14	7.1	9.5
TAM-04-3	1/2	3/8	43.7	23.2	17	9.5	9.5
TAM-04-4	1/2	1/2	50.5	23.2	22	11.9	9.5
TAM-04-6	1/2	3/4	52.3	23.2	27	15.0	9.5
TAM-06-4	3/4	1/2	52.3	24.7	22	11.9	15
TAM-06-6	3/4	3/4	52.3	24.7	27	15	15
TAM-06-8	3/4	1"	59.1	24.7	35	19.6	15
TAM-08-6	1"	3/4	57.9	30.7	27	15	19.6
TAM-08-8	1"	1"	65.1	30.7	35	19.6	19.6

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MALE ADAPTER / Tube 管转Pipe管外螺纹转换接头
Connects fractional NB-KSL port to female PT(NPT) thread

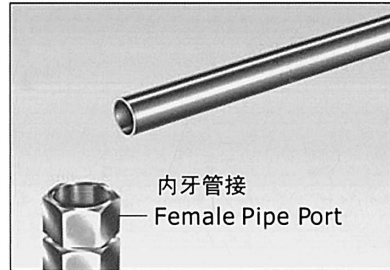
TAM 型



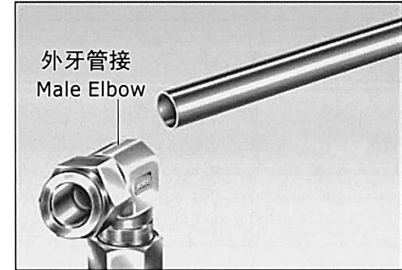
CATALOG NUMBER	T TUBE O.D.	PT-NPT FEMALE PIPE SIZE	A	B	C	E	E1
TAM-6-1	6	1/8	32.8	15.7	12	4.6	4.6
TAM-6-2	6	1/4	38.1	15.7	14	7.1	4.6
TAM-6-4	6	1/2	43.4	15.7	22	11.9	4.6
TAM-8-2	8	1/4	39.1	16.5	14	6.3	6.3
TAM-10-2	10	1/4	39.9	17.6	14	7.1	7.1
TAM-10-3	10	3/8	40.6	17.6	17	9.5	7.1
TAM-10-4	10	1/2	43.4	17.6	22	11.9	7.1
TAM-12-2	12	1/4	44.5	23.2	14	7.1	9.5
TAM-12-3	12	3/8	43.7	23.2	17	9.5	9.5
TAM-12-4	12	1/2	50.5	23.2	22	11.9	9.5
TAM-14-4	14	1/2	50.5	24.7	22	11	11
TAM-16-4	16	1/2	50.5	24.7	22	11.9	11.9
TAM-18-4	18	1/2	52.3	24.7	22	11.9	14
TAM-18-6	18	3/4	52.3	24.7	27	14	14
TAM-25-4	25	1/2	57.9	30.7	27	11.9	19.6
TAM-25-6	25	3/4	57.9	30.7	27	15	19.6
TAM-25-8	25	1"	65.1	30.7	35	19.6	19.6

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NB-KSL Adapter eliminates alignment problems



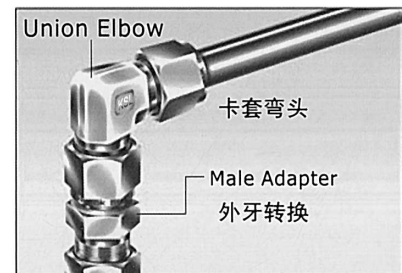
In the direction shown the female port is required to connect with tubing.



The male elbow is positioning in the wrong direction.



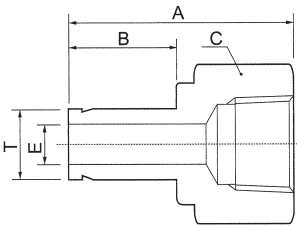
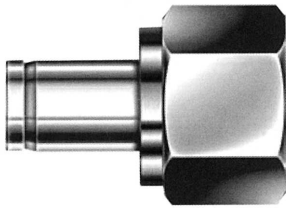
To eliminate the problem, use a male adapter into the female port.



Connect a union elbow to the adapter by tightening the NB-KSL port with a wrench while holding the elbow wrench pad in the desired direction

FEMALE ADAPTER / Tube 管转Pipe管内螺纹转换接头
Connects fractional NB-KSL port to male PT(NPT) thread

TAF 型



CATALOG NUMBER	T TUBE O.D.	PT-NPT FEMALE PIPE SIZE	A	B	C	E
TAF-02-1	1/4	1/8	33	15.7	14	4.4
TAF-02-2	1/4	1/4	37.1	15.7	19	4.4
TAF-02-3	1/4	3/8	39.5	15.7	22	4.4
TAF-02-4	1/4	1/2	45.5	15.7	27	4.4
TAF-03-1	3/8	1/8	34.3	17.6	14	7.1
TAF-03-2	3/8	1/4	38.1	17.6	19	7.1
TAF-03-3	3/8	3/8	40.4	17.6	22	7.1
TAF-03-4	3/8	1/2	46.7	17.6	27	7.1
TAF-04-2	1/2	1/4	43.4	23.2	19	9.9
TAF-04-3	1/2	3/8	45.5	23.2	22	9.9
TAF-04-4	1/2	1/2	52.3	23.2	27	9.9
TAF-06-4	3/4	1/2	53.8	24.7	27	15
TAF-06-6	3/4	3/4	54.9	24.7	32	15
TAF-06-8	3/4	1"	58.4	24.7	41	15
TAF-08-4	1"	1/2	60.7	30.7	27	18
TAF-08-8	1"	1"	64.2	30.7	41	19.6

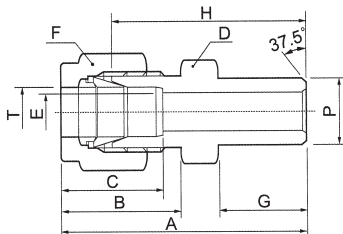
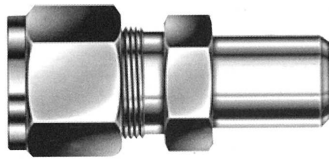
Connects metric NB-KSL port to male PT(NPT) thread

TAF-6-1	6	1/8	33	15.7	14	4.4
TAF-6-2	6	1/4	37.1	15.7	19	4.4
TAF-6-3	6	3/8	39.5	15.7	22	4.4
TAF-8-2	8	1/4	37.6	16.5	19	6
TAF-8-3	8	3/8	39.5	16.5	22	6
TAF-10-2	10	1/4	38.1	17.6	19	7.1
TAF-10-3	10	3/8	40.1	17.6	22	7.1
TAF-10-4	10	1/2	46.5	17.6	27	7.1
TAF-12-2	12	1/4	43.4	23.2	19	9.1
TAF-12-3	12	3/8	45.5	23.2	22	9.1
TAF-12-4	12	1/2	52.3	23.2	27	9.1
TAF-18-4	18	1/2	54.8	24.7	27	14

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MALE PIPE WELD CONNECTOR / 卡套式至 PIPE 管对焊接头
Connects fractional tube to pipe

ODBW 型



T TUBE O.D.	MALE PIPE SIZE P O.D. mm	CATALOG NUMBER	A	B	C	D	E	F	G	H
1/8	10.29	ODBW-01-1P	31.4	16.5	14	12	2.4	12	9.7	23.9
1/4	10.29	ODBW-02-1P	35.9	17.8	15.8	14	4.8	14	9.7	25.7
1/4	13.72	ODBW-02-2P	38	17.8	15.8	14	4.8	14	14.2	30.2
3/8	10.29	ODBW-03-1P	36.6	19.6	19.6	17	5.1	17	9.7	29
3/8	13.72	ODBW-03-2P	40.1	19.6	19.6	17	7.1	17	14.2	32.5
3/8	17.15	ODBW-03-3P	40.1	19.6	19.6	19	7.1	17	14.2	32.5
3/8	21.35	ODBW-03-4P	46.5	19.6	19.6	22	7.1	17	19	38.9
1/2	13.72	ODBW-04-2P	43.5	22.2	23.4	22	7.1	22	14.2	33.3
1/2	17.15	ODBW-04-3P	43.5	22.2	23.4	22	9.5	22	14.2	33.3
1/2	21.35	ODBW-04-4P	49.1	22.2	23.4	22	10.4	22	19	38.9
1/2	26.67	ODBW-04-6P	50.5	22.2	23.4	27	10.4	22	19	40.4
3/4	21.35	ODBW-06-4P	50.7	22.4	24.4	27	10.4	30	19	40.3
3/4	26.67	ODBW-06-6P	50.7	22.4	24.4	27	15.7	30	19	40.3
1"	33.4	ODBW-08-8P	62.7	27	31.7	35	22.4	38	23.9	50

Connects metric tube to pipe

T TUBE O.D.	MALE PIPE SIZE P O.D. mm	CATALOG NUMBER	A	B	C	D	E	F	G	H
3	10.29	ODBW-3-1P	30.1	16	13.5	12	2.4	12	9.7	23.1
4	10.29	ODBW-4-1P	30.8	16.2	13.7	12	3	12	9.7	24.1
6	10.29	ODBW-6-1P	33.5	17.8	15.8	14	4.8	14	9.7	25.7
6	13.72	ODBW-6-2P	38	17.8	15.8	14	4.8	14	14.2	30.2
8	10.29	ODBW-8-1P	34.4	18.7	16.7	14	5.1	16	9.7	26.7
8	13.72	ODBW-8-2P	38.9	18.7	16.7	16	6.4	16	14.2	31.2
8	21.34	ODBW-8-4P	45	18.7	16.7	22	6.4	16	19	37.3
10	13.72	ODBW-10-2P	40.9	19.6	19.6	17	7.1	19	14.2	33.3
10	17.15	ODBW-10-3P	40.9	19.6	19.6	19	7.9	19	14.2	33.3
10	21.34	ODBW-10-4P	45.7	19.6	19.6	22	7.9	19	19	38.1
12	13.72	ODBW-12-2P	44.1	22.8	23.8	22	7.1	22	14.2	33.3
12	17.15	ODBW-12-3P	44.1	22.8	23.8	22	9.5	22	14.2	33.3
12	21.34	ODBW-12-4P	49.7	22.8	23.8	22	9.5	22	19	38.9
14	17.15	ODBW-14-3P	44.8	22.8	24.8	24	10.3	27	14.2	34
16	21.34	ODBW-16-4P	49.3	22.4	24.4	24	12.7	27	19	38.9
16	26.67	ODBW-16-6P	50.7	22.4	24.4	27	12.7	27	19	40.3
18	21.34	ODBW-18-4P	51.2	22.8	24.8	27	10.4	30	19	40.4
20	26.67	ODBW-20-6P	52.7	23.5	25.5	30	15.9	32	19	42.2

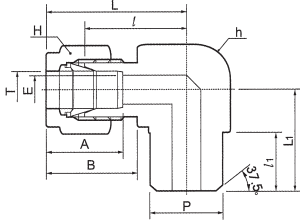
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NB-KSL WELDING INFORMATION

NB-KSL weld ends are constructed to Schedule 80 wall or greater. The first step is to remove the nut and ferrules from the NB-KSL fitting to protect them from weld heat and cover the threads with a protective device (i.e. another nut or a plug) DP to protect the NB-KSL port threads & sealing surface from weld spatter. Only finger-tighten the protective device so that you can use it many times. The second step is to tack weld at four positions 90 apart to hold the fitting in place to ensure alignment and concentricity of the components, then complete the weld.

TUBE SOCKET WELD ELBOW / 卡套式转 PIPE 管对焊弯头
Connects fractional tube to pipe

EBW 型



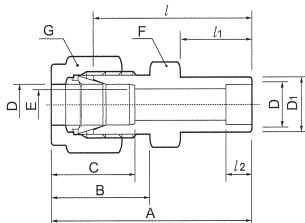
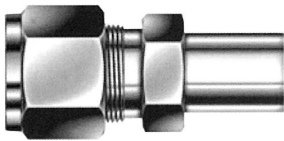
T TUBE O.D.	MALE PIPE SIZE P	CATALOG NUMBER	A	B	E	h	H	/	/ ₁	L	L ₁
1/8	10.29	EBW-01-1P	14	16.5	2.4	12.7	12	18.6	10	26.1	19.1
1/4	10.29	EBW-02-1P	15.8	17.8	4.8	15	14	19.6	10	27.1	21.1
1/4	13.72	EBW-02-2P	15.8	17.8	4.8	15	14	23.2	14.2	30.7	23.2
3/8	13.72	EBW-03-2P	19.6	19.6	7.1	15	17	21.3	14.2	27.8	24
1/2	21.34	EBW-04-4P	23.4	22.2	10.4	23	22	26.5	17	36.5	31
3/4	26.67	EBW-06-6P	24.4	22.4	15.7	28	30	29.7	19	40.1	38.8

Connects fractional tube to pipe

T TUBE O.D.	MALE PIPE SIZE P	CATALOG NUMBER	A	B	E	h	H	/	/ ₁	L	L ₁
8	10.29	EBW-8-1P	16.7	18.7	6.4	15	16	21.3	10	28	21.1
8	13.72	EBW-8-2P	16.7	18.7	6.4	15	16	21.3	14.2	28	24
8	17.15	EBW-8-3P	16.7	18.7	6.4	17.5	16	23.1	14.2	29.8	26
8	21.34	EBW-8-4P	16.7	18.7	6.4	23	16	25.5	17	32.2	31
10	13.72	EBW-10-2P	19.6	19.6	7.9	17.5	19	23.9	14.2	30.9	26
10	17.15	EBW-10-3P	16.6	19.6	7.9	17.5	19	23.9	14.2	30.9	26
12	13.72	EBW-12-2P	23.8	22.8	9.5	23	22	26.5	14.2	37	28.2
12	17.15	EBW-12-3P	23.8	22.8	9.5	23	22	26.5	14.2	37.3	28.2
12	21.34	EBW-12-4P	23.8	22.8	9.5	23	22	26.5	17	37.3	31
14	21.34	EBW-14-4P	24.8	22.8	11.1	23	27	26.5	17	37.3	31
16	21.34	EBW-16-4P	24.4	22.4	12.7	23	27	26.5	17	36.9	31
16	26.67	EBW-16-6P	24.4	22.4	12.7	28	27	29.7	19	40.1	38.8
20	21.34	EBW-20-4P	25.5	23.5	15.8	28	32	32	17	42.5	38.5
20	26.67	EBW-20-6P	25.5	23.5	15.8	28	32	32	19	42.5	38.5
25	26.67	EBW-25-6P	31.7	27	21.8	35	38	36.8	19	50.5	41.7

TUBE SOCKET WELD CONNECTOR / 卡套式转 TUBE 管承插焊接头
Connects fractional tube

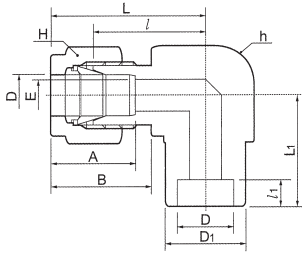
DSW 型



TUBE O.D. D	D1	CATALOG NUMBER	A	B	C	E	F	G	/	/ ₁	/ ₂
inch	mm										
3.17	7.8	DSW-01-1	29.9	16.5	14	2.4	12	12	22.4	8.6	6.4
6.35	11.1	DSW-02-2	34	17.8	15.8	4.8	12	14	26.2	10.4	7.8
9.52	15.7	DSW-03-3	37.8	19.6	19.6	7.1	16	17	30.2	12	9.7
12.7	19	DSW-04-4	41.2	22.2	23.4	10.4	22	22	31	12	12.7
19.05	26.7	DSW-06-6	43.7	22.4	24.4	15.7	27	30	33.3	12	14.2
25.4	33.3	DSW-08-8	53.1	27	31.7	22.4	35	38	40.4	14.2	19

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ESW 型

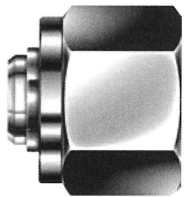


TUBE SOCKET WELD ELBOW / 卡套式转 TUBE 管承插焊弯头
Connects fractional tube

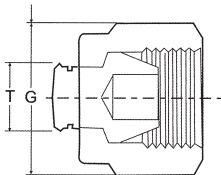
TUBE O.D. D		D1	CATALOG NUMBER	A	B	E	h	H	/	/1	L	L1
inch	mm											
6.35	12		ESW-02-2	15.8	17.8	4.8	12	14	19.6	7.8	27.4	119.6
9.52	15.7		ESW-03-3	19.6	19.6	7.1	17	17	23.1	9.7	30.7	23.1
12.7	20.6		ESW-04-4	23.4	22.2	10.4	21	22	25.9	12.7	36.1	25.9
19.05	27		ESW-06-6	24.4	22.4	15.7	28	30	28.5	14.2	38.9	28.5
25.4	35		ESW-08-8	31.7	27	22.4	35	38	35	19	47.7	35

PLUG / 堵头
(METRIC)

P 型



NUT HEX



TUBE O.D.	CATALOG NUMBER	G	T
3	P-3	12	3
4	P-4	12	4
6	P-6	14	6
8	P-8	16	8
10	P-10	19	10
12	P-12	22	12
14	P-14	27	14
16	P-16	27	16
18	P-18	30	18
20	P-20	32	20
22	P-22	32	22
25	P-25	38	25

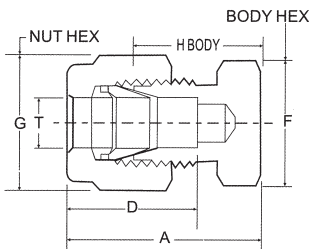
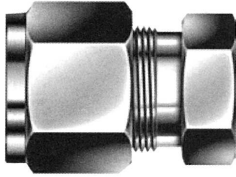
(FRACTIONAL)

1/8	P-01	12	3.18
1/4	P-02	14	6.35
3/8	P-03	16	9.52
1/2	P-04	22	12.7
3/4	P-06	30	19.05
1"	P-08	38	25.4

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**CAP / 管帽
(METRIC)**

C 型



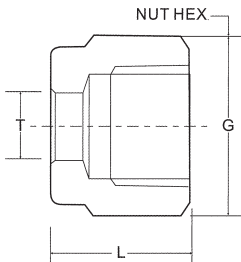
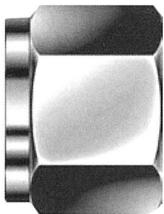
TUBE O.D.	CATALOG NUMBER	A	D	F	G	H
3	C-3	20.5	13.5	12	12	13.5
4	C-4	21.4	13.7	12	12	14.7
6	C-6	23.5	15.8	14	14	15.7
8	C-8	24.7	16.7	14	16	17
10	C-10	26.6	19.6	17	19	19
12	C-12	29.8	23.8	22	22	19
14	C-14	30.6	24.8	24	27	19.8
16	C-16	30.2	24.4	24	27	19.8
18	C-18	32.1	24.8	27	30	21.3
20	C-20	34.4	25.5	30	32	23.9
22	C-22	34.4	25.5	30	32	23.9
25	C-25	38.9	31.7	35	38	26.2

(FRACTIONAL)

1/8	C-01	21	14	12	12	13.5
1/4	C-02	23.5	15.8	14	14	15.7
3/8	C-03	25.9	19.6	17	17	18.3
1/2	C-04	29.2	23.4	22	22	19
3/4	C-06	31.7	24.4	27	30	21.3
1"	C-08	38.9	31.7	35	38	26.2

**NUT / 螺帽
(METRIC)**

N 型



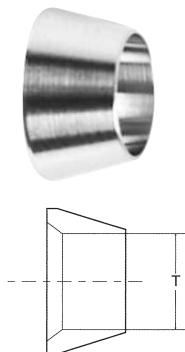
TUBE O.D.	CATALOG NUMBER	G	L
3	N-3	12	11.9
4	N-4	12	11.9
6	N-6	14	12.7
8	N-8	16	13.5
10	N-10	19	15.1
12	N-12	22	17.4
14	N-14	27	17.4
16	N-16	27	17.4
18	N-18	30	17.4
20	N-20	30	17.4
22	N-22	32	17.4
25	N-25	38	20.6

(FRACTIONAL)

1/8	N-01	12	11.9
1/4	N-02	14	12.7
3/8	N-03	16	14.2
1/2	N-04	22	17.4
3/4	N-06	30	17.4
1"	N-08	38	20.6

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FF 型



FRONT FERRULE / 前卡圈
(METRIC)

TUBE O.D.	CATALOG FFUMBER	TUBE O.D.	CATALOG FFUMBER
3	FF-3	3	FF-3-KO
4	FF-4	4	FF-4-KO
6	FF-6	6	FF-6-KO
8	FF-8	8	FF-8-KO
10	FF-10	10	FF-10-KO
12	FF-12	12	FF-12-KO
14	FF-14	14	FF-14-KO
16	FF-16	16	FF-16-KO
18	FF-18	18	FF-18-KO
20	FF-20	20	FF-20-KO
22	FF-22	22	FF-22-KO
25	FF-25	25	FF-25-KO

进口前卡套
(FRACTIONAL)

FRONT FERRULE / 前卡圈
(METRIC)

TUBE O.D.	CATALOG NUMBER	TUBE O.D.	CATALOG NUMBER
1/8	FF-01	1/8	FF-01-KO
1/4	FF-02	1/4	FF-02-KO
3/8	FF-03	3/8	FF-03-KO
1/2	FF-04	1/2	FF-04-KO
3/4	FF-06	3/4	FF-06-KO
1"	FF-08	1"	FF-08-KO

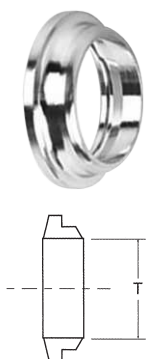
(FRACTIONAL)

BACK FERRULE / 后卡圈
(METRIC)

TUBE O.D.	CATALOG FFUMBER	TUBE O.D.	CATALOG FFUMBER
3	BF-3	3	BF-3-KO
4	BF-4	4	BF-4-KO
6	BF-6	6	BF-6-KO
8	BF-8	8	BF-8-KO
10	BF-10	10	BF-10-KO
12	BF-12	12	BF-12-KO
14	BF-14	14	BF-14-KO
16	BF-16	16	BF-16-KO
18	BF-18	18	BF-18-KO
20	BF-20	20	BF-20-KO
22	BF-22	22	BF-22-KO
25	BF-25	25	BF-25-KO

进口后卡套
(FRACTIONAL)

BF 型



BACK FERRULE / 后卡圈
(METRIC)

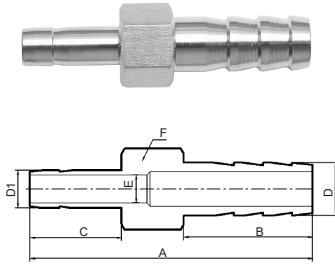
TUBE O.D.	CATALOG NUMBER	TUBE O.D.	CATALOG NUMBER
1/8	BF-01	1/8	BF-01-KO
1/4	BF-02	1/4	BF-02-KO
3/8	BF-03	3/8	BF-03-KO
1/2	BF-04	1/2	BF-04-KO
3/4	BF-06	3/4	BF-06-KO
1"	BF-08	1"	BF-08-KO

(FRACTIONAL)

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HOSE CONNECTOR / 直管宝塔接头
Connects fractional tube to pipe

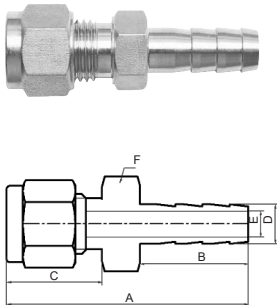
PJT 型



	CATALOG NUMBER	A	B	C	E	D	D1	F
1/4-4mm	PJT-02-4	41.4	15	15.7	2.5	4.80	6.35	12
1/4-6mm	PJT-02-6	46.5	20.1	15.7	4.8	7.27	6.35	12
1/4-8mm	PJT-02-8	46.5	22.1	15.7	4.8	9	6.35	12
1/4-10mm	PJT-02-10	50.3	22.1	15.7	4.8	11.9	6.35	14
3/8-8mm	PJT-03-8	49.3	22.1	17.6	6	9	9.52	12
3/8-10mm	PJT-03-10	50.3	22.1	17.6	6	11.9	9.52	14
3/8-12mm	PJT-03-12	52.1	23.8	17.6	7.1	14.5	9.52	16
1/2-8mm	PJT-04-8	55.9	22.1	23.2	6	9	12.7	14
1/2-10mm	PJT-04-10	55.9	22.1	23.2	8	11.9	12.70	14
1/2-12mm	PJT-04-12	57.7	23.8	23.2	9.5	14.5	12.7	16
6mm-6mm	PJT-6-6	46.5	20.1	15.7	4.8	7.27	6	12
8mm-8mm	PJT-8-8	46.5	22.1	16.5	6	9	8	12
3/8-3/8	PJT-03-03	50.3	22.1	17.6	7.1	11.43	9.52	14
1/2-1/2	PJT-04-04	57.7	23.8	23.2	9.5	15.12	12.7	16
3/4-3/4	PJT-06-06	62	26.7	24.6	15	22.72	19.05	27

HOSE CONNECTOR / 卡套宝塔接头
Connects metric tube to pipe

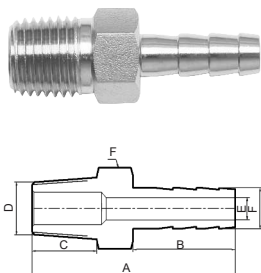
PJOD 型



	CATALOG NUMBER	T	A	B	C	E	D	F
1/4-6mm	PJOD-02-6	1/4	44.9	20.1	17.8	4.8	7.27	12
1/4-8mm	PJOD-02-8	1/4	46.8	22.1	17.8	6	9	12
3/8-6mm	PJOD-03-6	3/8	46.2	20.1	19.6	4.8	7.27	16
3/8-8mm	PJOD-03-8	3/8	48.2	22.1	19.6	6	9	16
6mm-6mm	PJOD-6-6	6	44.9	20.1	17.8	4.8	7.27	12
8mm-8mm	PJOD-8-8	8	47.8	22.1	18.7	6	9	14
8mm-1/2	PJOD-8-04	8	49.5	23.8	18.7	6.4	15.12	17
12mm-1/2	PJOD-12-04	12	55.1	23.8	22.8	9.7	15.12	22

HOSE CONNECTOR / 外螺纹宝塔接头
Connects metric tube to pipe

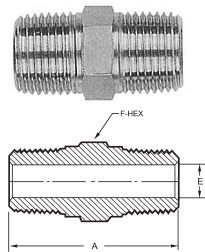
PJM 型



	CATALOG NUMBER	A	B	C	D	E	D	F
1/4NPT-6mm	PJM-6-02-N	41.9	20.1	14	1/4NPT	4.8	7.27	14
1/4NPT-8mm	PJM-8-02-N	43.9	22.1	14	1/4NPT	5	9	14
1/4NPT-10mm	PJM-10-02-N	43.9	22.1	14	1/4NPT	7.1	11.9	14
1/2NPT-1/2	PJM-04-04-N	51.6	23.8	19	1/2NPT	9.7	15.12	22

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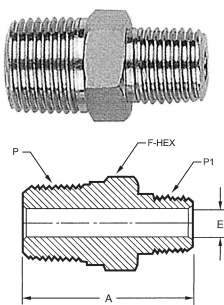
HN 型



HEX NIPPLE / 双外牙接头
(METRIC)

P MALE PT/NPT SIZE	CATALOG NUMBER	A	E MIN OPENING	F HEX FLAT
1/8	HN-01	25.6	4.8	12
1/4	HN-02	36	7.1	14
3/8	HN-03	36.3	9.6	17
1/2	HN-04	46.7	11.9	22
3/4	HN-06	46.7	15.7	27
1"	HN-08	58.9	21.5	35

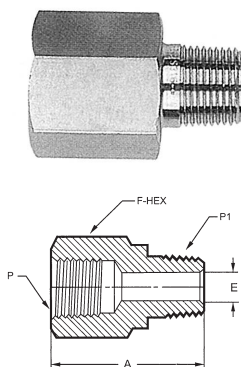
RHN 型



REDUCING HEX NIPPLE / 异径双外牙接头

P MALE PT/NPT SIZE	P1 MALE PT/NPT SIZE	CATALOG NUMBER	A	E MIN OPENING	F HEX FLAT	
1/4	1/8	RHN-02-01	31	4.8	14	7.1
3/8	1/8	RHN-03-01	31.8	4.8	17	9.6
3/8	1/4	RHN-03-02	36.3	7.1	17	9.6
1/2	1/8	RHN-04-01	37.3	4.8	22	11.9
1/2	1/4	RHN-04-02	41.9	7.1	22	11.9
1/2	3/8	RHN-04-03	41.9	9.5	22	11.9
3/4	1/4	RHN-06-02	41	7.1	27	15.7
3/4	3/8	RHN-06-03	41	9.5	27	15.7
3/4	1/2	RHN-06-04	46.7	11.9	27	15.7
1"	1/2	RHN-08-04	54.1	11.9	35	21.5
1"	3/4	RHN-08-06	54.1	15.7	35	21.5

RA 型

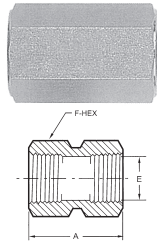


REDUCING ADAPTOR / 直通内外牙接头

P MALE PT/NPT SIZE	P1 MALE PT/NPT SIZE	CATALOG NUMBER	A	E MIN OPENING	F HEX FLAT
1/8	1/8	RA-01-01	27.7	4.8	14
1/4	1/8	RA-02-01	32	4.8	19
1/4	1/4	RA-02-02	35.6	7.1	19
3/8	1/8	RA-03-01	33.8	4.8	22
3/8	1/4	RA-03-02	38.1	7.1	22
3/8	3/8	RA-03-03	38.1	9.5	22
1/2	1/8	RA-04-01	40.1	4.8	27
1/2	1/4	RA-04-02	44.7	7.1	27
1/2	3/8	RA-04-03	44.7	9.6	27
1/2	1/2	RA-04-04	49.3	11.9	27
3/4	1/4	RA-06-02	46.2	7.1	32
3/4	3/8	RA-06-03	46.2	9.6	32
3/4	1/2	RA-06-04	51.3	11.9	32
1"	1/4	RA-08-02	49.8	7.1	41
1"	3/8	RA-08-03	49.8	9.6	41
1"	1/2	RA-08-04	54.9	11.9	41
1"	3/4	RA-08-06	55.1	15.7	41

ALL DIMENSIONS ARE IN MILLIMETERS. DIMENSIONS FOR REFERENCE ONLY, SUBJECT TO CHANGE.
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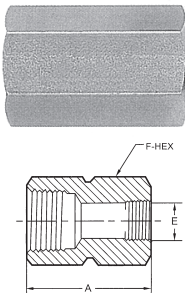
HCG 型



HEX COUPLING / 双内牙弯头

P FEMALE PT/NPT SIZE	CATALOG NUMBER	A	E MIN OPENING	F HEX FLAT
1/4	HCG-01	25	8	14
1/8	HCG-02	35	11	17
3/8	HCG-03	35	15	22
1/2	HCG-04	39.6	18.5	27
3/4	HCG-06	41.1	23.9	35
1"	HCG-08	50.8	29	41

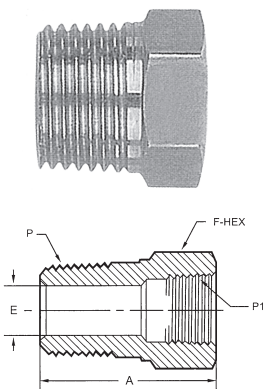
RHCG 型



REDUCING HEX COUPLING / 异径双内牙

FEMALE PT/NPT SIZE	FEMALE PT/NPT SIZE	CATALOG NUMBER	A	E	F
1/4	1/8	RHCG-02-01	31	8.6	17
3/8	1/8	RHCG-03-01	32	8.6	22
3/8	1/4	RHCG-03-02	35	11	22
1/2	1/8	RHCG-04-01	37	8.6	27
1/2	1/4	RHCG-04-02	45.2	11	27
1/2	3/8	RHCG-04-03	45.2	15	27
3/4	1/4	RHCG-06-02	40	11	32
3/4	3/8	RHCG-06-03	41	15	32
3/4	1/2	RHCG-06-04	41.1	18	35
1"	1/2	RHCG-08-04	47	18	41
1"	3/4	RHCG-08-06	47	23.9	41

RB 型

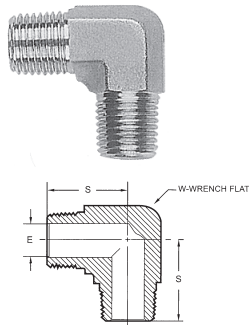


REDUCING BUSHING / 补申

P MALE PT/NPT SIZE	P1 FEMALE PT/NPT SIZE	CATALOG NUMBER	A	E MIN OPENING	F HEX FLAT
1/4	1/8	RB-02-01	21.8	7.1	14
3/8	1/8	RB-03-01	21.8	8.6	17
3/8	1/4	RB-03-02	30.2	9.6	19
1/2	1/8	RB-04-01	27	8.6	22
1/2	1/4	RB-04-02	27	11	22
1/2	3/8	RB-04-03	27	11.9	22
3/4	1/4	RB-06-02	27.4	11	27
3/4	3/8	RB-06-03	27.4	15	27
3/4	1/2	RB-06-04	41.4	15.7	27
1"	1/4	RB-08-02	34.8	11	35
1"	3/8	RB-08-03	34.8	15	35
1"	1/2	RB-08-04	34.8	18.5	35
1"	3/4	RB-08-06	47	22.5	35

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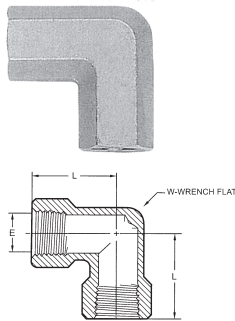
MET 型



MALE ELBOW / 双外牙直角接头

P MALE PT/NPT SIZE	CATALOG NUMBER	E	S	W
1/8	MET-01	4.8	20	12.7
1/4	MET-02	7.1	23.2	15
3/8	MET-03	9.5	26	17.5
1/2	MET-04	11.9	31	23
3/4	MET-06	15.9	39	28
1"	MET-08	21.5	44	35

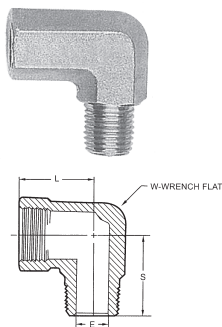
E 型



ELBOW / 直角双内牙接头

P MALE PT/NPT SIZE	CATALOG NUMBER	E	L	W
1/8	E-01	8	20	15
1/4	E-02	11	23	17
3/8	E-03	15	25	21
1/2	E-04	18.5	30	28
3/4	E-06	23	35	34.5

SE 型

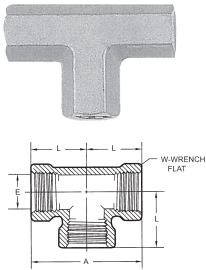


STREET ELBOW / 内外牙弯头

P MALE/FEMALE PT/NPT SIZE	CATALOG NUMBER	E	L	S	W
1/8	SE-01	4.8	20	21	15
1/4	SE-02	7.1	23	27	17.5
3/8	SE-03	9.5	27.7	29.7	23
1/2	SE-04	11.9	33	39	28
3/4	SE-06	15.9	36.8	41.7	34.5
1/1	SE-08	21.5	36.8	46.5	41

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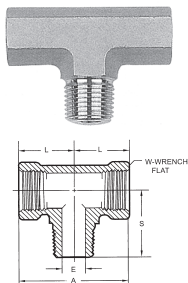
T 型



TEE / 内牙三通

P FEMALE PT/NPT SIZE	CATALOG NUMBER	A	E	L	W
1/8	T-01	46	8.6	23	16
1/4	T-02	49.6	11	24.8	19
3/8	T-03	50	15	25	22
1/2	T-04	60	18.5	30	28
3/4	T-06	70	23	35	34.5

BT 型

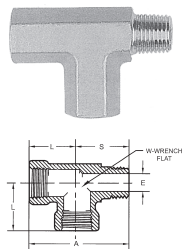


BRANCH TEE / 内外牙三通接头

P FEMALE PT/NPT SIZE	CATALOG NUMBER	A	E	L	S	W
1/8	BT-01	46	8.6	23	23	16
1/4	BT-02	48	11	24	24.5	17.5
3/8	BT-03	64	15	32	31	23
1/2	BT-04	76	18.5	38	36	28
3/4	BT-06	70	23	35	41.7	34.5

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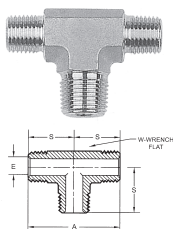
ST 型



STREET TEE / 内外牙三通

P MALE/FEMALE PT/NPT SIZE	CATALOG NUMBER	A	E	L	S	W
1/8	ST-01	46	4.8	23	23	16
1/4	ST-02	48.5	7.1	24	24.5	17.5
3/8	ST-03	63	9.6	32	31	23
1/2	ST-04	74	11.9	38	36	28
3/4	ST-06	76.7	15.9	35	41.7	34.5

MT 型

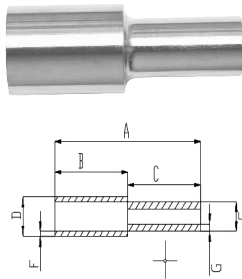


MALE TEE / 外牙三通

P PT/NPT SIZE	CATALOG NUMBER	A	E	S	W
1/8	MT-01	40	4.8	20	12.7
1/4	MT-02	48	6	24	16
3/8	MT-03	52	9.5	26	17.5
1/2	MT-04	66	11.9	33	23
3/4	MT-06	73.6	15.7	36.8	28
1/1	MT-08	90	21.5	45	34.5

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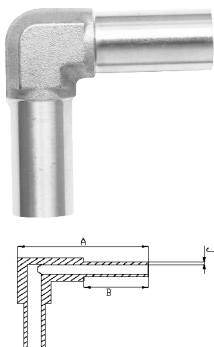
RHW 型



BUTT WELD REDUCING STRAIGHTS / 焊接变径直通

CATALOG NUMBER	A	B	C	D	E	F	G
RHW-03-02	50	25	25	9.52	6.35	1	1
RHW-04-02	50	25	25	12.7	6.35	1.24	1
RHW-06-02	50	25	25	19.05	6.35	1.65	1
RHW-08-02	50	25	25	25.4	6.35	1.65	1
RHW-04-03	50	25	25	12.7	9.52	1.24	1
RHW-06-03	50	25	25	19.05	9.52	1.65	1
RHW-08-03	50	25	25	25.4	9.52	1.65	1
RHW-06-04	50	25	25	19.05	12.7	1.65	1.24
RHW-08-04	50	25	25	25.4	12.7	1.65	1.24
RHW-08-06	50	25	25	25.4	19.05	1.65	1.65

HEW 型

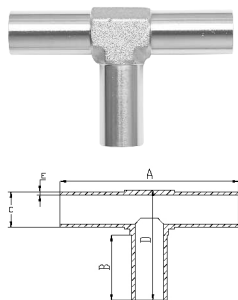


BUTT WELD ELBOWS / 焊接弯头

CATALOG NUMBER	A	B	C
HEW-02-0	535	20	1
HEW-03-0	35	20	1
HEW-04-0	42	24	1.24
HEW-06-0	51	24	1.65
HEW-08-0	59	26	1.65

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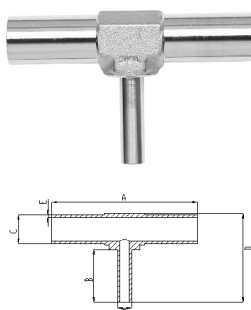
HTW 型



BUTT WELD TEES / 焊接正三通

CATALOG NUMBER		A	B	C	D	E
HTW-02	1/4	60.5	23	6.35	36.4	0.89
HTW-03	3/8	60.5	23	9.52	36.4	0.89
HTW-04	1/2	64	23.5	12.7	39.5	1.24
HTW-06	3/4	75	23	19.05	49.5	1.65
HTW-08	1"	90	26	25.4	59	1.65

RHTW 型

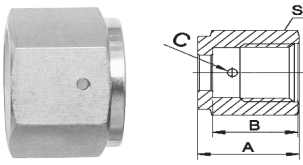


BUTT WELD REDUCING TEES / 焊接变径三通

CATALOG NUMBER	A	B	C	D	E	F
RHTW-03-02	60.5	23	9.52	36	0.89	16.35
RHTW-04-02	64	23	12.7	39.9	1.24	6.35
RHTW-04-03	64	23	12.7	39.9	1.24	9.52
RHTW-06-02	76	23	19.05	51	1.65	6.35
RHTW-06-03	76	23	19.05	51	1.65	9.52
RHTW-06-04	76	23	19.05	51	1.65	12.7
RHTW-08-02	90	23	25.4	60	1.65	6.35
RHTW-08-03	90	23	25.4	60	1.65	9.52
RHTW-08-04	90	23	25.4	60	1.65	12.7
RHTW-08-06	90	23	25.4	60	1.65	19.05

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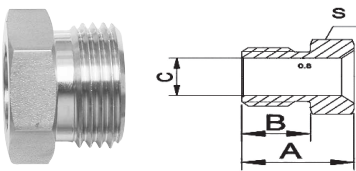
FN 型



FEMALE NUT / 内螺母

CATALOG NUMBER	A	B	C	S
1/4	20.5	18	62.2	19
3/8	22.3	19.3	2.2	27
1/2	22.3	19.3	2.2	27
3/4	28.5	25.2	2.2	38.1
1"	34	30.7	2.2	44.5

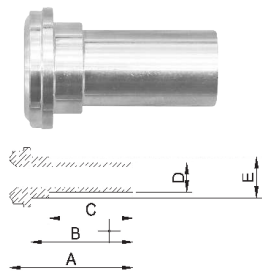
FN 型



MALE NUT / 外螺母

CATALOG NUMBER	A	B	C	S
1/4	18	11	9.1	15.88
3/8	20.5	12.7	15.5	23.8
1/2	20.5	12.7	15.5	23.8
3/4	25.4	15.9	22.5	33.3
1"	30.2	20	30.5	41

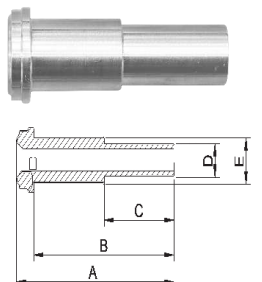
FN 型



SHORT GLAND / 短杆

CATALOG NUMBER	A	B	C	D	E
1/4	28	23.25	19.05	6.35	8.8
1/2	28.5	23.8	19.05	12.7	15.1
3/8	28.5	23.9	19.05	9.52	15.1
3/4	34.5	28.3	19.05	19.05	22.1
1"	38.6	30.91	20	25.4	30.1

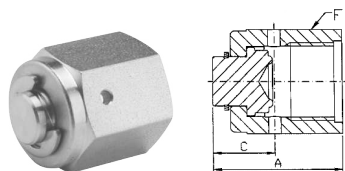
FN 型



LONG GLAND / 长杆

CATALOG NUMBER	A	B	C	D	E
1/4	43.15	38.4	19.05	6.35	8.8
3/8	45.5	40.9	22	9.52	15.1
1/2	45.5	40.9	22	12.7	15.1
3/4	51.6	45.4	22	19.05	22.1
1"	58.9	51.2	22	25.4	30.1

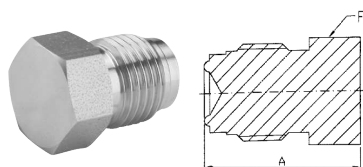
P-VCR



CAP / 母堵头

VC Size	A	C	F
1/4	23.9	11.2	3/4
1/2	25.6	11.4	11/16
3/4	32.8	13.7	11/2
1	39.1	16.0	13/4

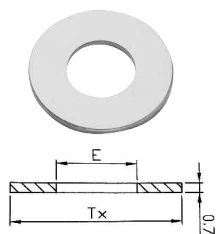
HP-VCR



PLUG / 公堵头

VC Size	A	F
1/4	23.4	5/8
1/2	27.4	15/16
3/4	36.3	15/16
1	38.6	15/8

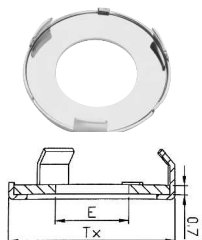
G-VCR



GASKET / 垫片

VC Size	E	Tx
1/4	5.6	11.9
1/2	11.2	19.8
3/4	16.8	29.0
1	22.6	35.6

GN-VCR



RETAINER GASKET / 带爪垫片

VC Size	E	Tx
1/4	6.1	12.7
1/2	11.2	20.1
3/4	16.8	29.0
1	22.6	35.6

Needle Valves 针阀



PNV型高压针阀

型号说明 KSL-

C 碳钢	PNV 直通	8 进口螺纹规格	M 外牙PT(NPT)	8 出口螺纹规格	M 外牙PT(NPT)	V 6000Psi	B 泄放口
S 不锈钢	PNA 直角阀门		F 内牙PT(NPT)		F 内牙PT(NPT)	T 10000Psi	

SPNV/SPNA 型不锈钢针型阀

STAINLESS STEEL M x F F x F

NEEDLE VALVE

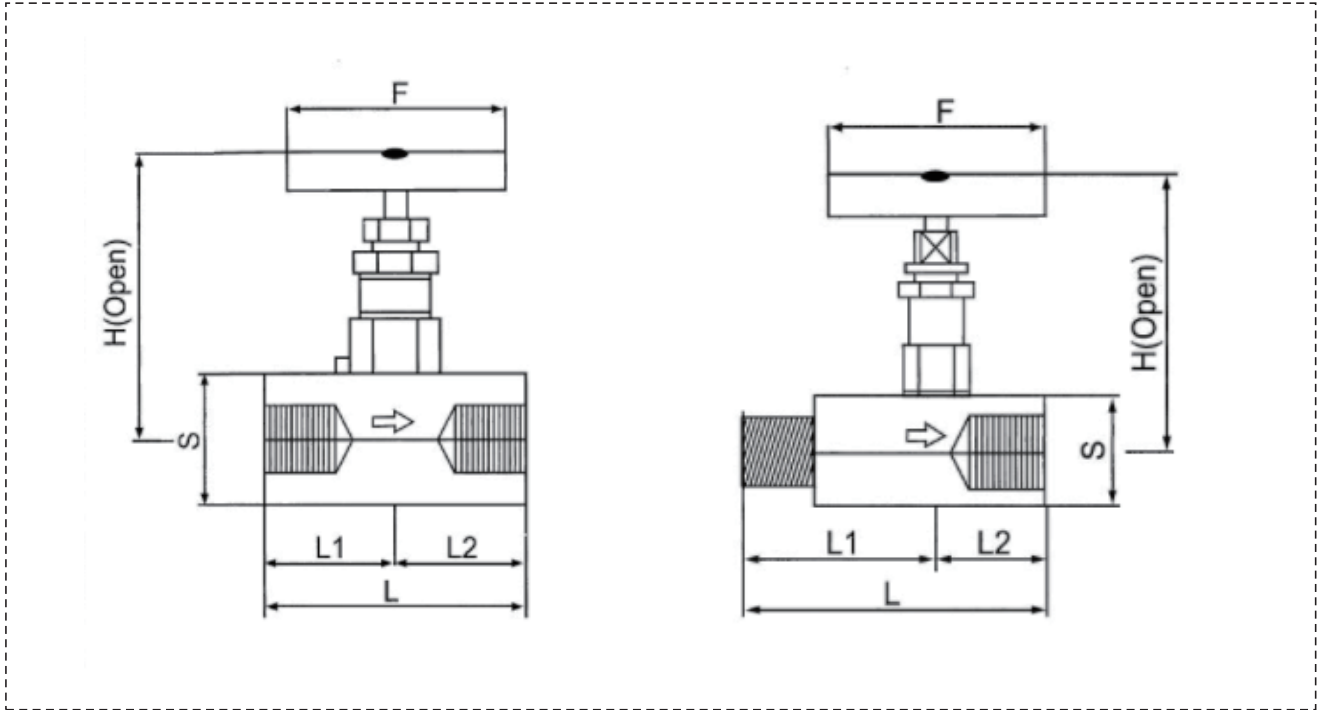
SERIES: SPNV-6000PSI~10000PSI



Description (说明)	Grade/ASTM Specification	
	Body Material/阀体材质	
	SS316	
1 Handle/手柄	SS304	
2 Set Screw/固定螺栓	SS304	
3 Lock Nut/固定螺母	SS304	
4 Packing Bolt/填料锁紧螺栓	SS316	
5 Packing Gland/填料接头	SS316	
6 Packing Washer/填料华司	SS316	
7 Packing/填料	PTFE	
8 Bonnet/阀盖	SS316	
9 Stem/阀杆	SS316	
10 Vee Tip/V型阀杆阀尖	SS316 SS630/A564	
Ball Tip/球型阀杆阀尖		
11 Stop Pin/固定销	SS304	
12 Body/阀体	SS316	

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型号和外型尺寸



订购型号	连接方式	额定压力	流孔孔径	L	L1	L2	S	F	H
SPNV4F4FT	1/4Fx1/4F	10000PSI	4.7	75	37.5	37.5	32	55	72
SPNV4M4FT	1/4Mx1/4F	10000PSI	4.7	82	47	35	32	55	72
SPNV38F38FT	3/8Fx3/8F	10000PSI	4.7	75	37.5	37.5	32	55	72
SPNV38M38FT	3/8Mx3/8F	10000PSI	4.7	82	47	35	32	55	72
SPNV8F8FT	1/2Fx1/2F	10000PSI	4.7	75	37.5	37.5	32	55	72
SPNV8M8FT	1/2Mx1/2F	10000PSI	4.7	82	47	35	32	55	72
SPNV12F12FT	3/4Fx3/4F	10000PSI	6	75	37.5	37.5	32	55	72
SPNV12M12FT	3/4Mx3/4F	10000PSI	6	82	47	35	32	55	72

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Screwed Bonnet Needle Valves

螺丝阀帽针阀

订购型号 KSL-



NVF	02	OD	B	
方体针阀	卡套连接尺寸	卡套连接	排泄口	
NVF	02	F/M	(PT、NPT、G)	B
方体针阀		螺纹规格	F=内螺纹 PT=英制螺纹 M=外螺纹 NPT=美制螺纹 G=圆柱管螺纹	排泄口
NVF	12	SW/W	H	
方体针阀	焊管尺寸	SW=套焊式, W=对焊式,	高温450°C	

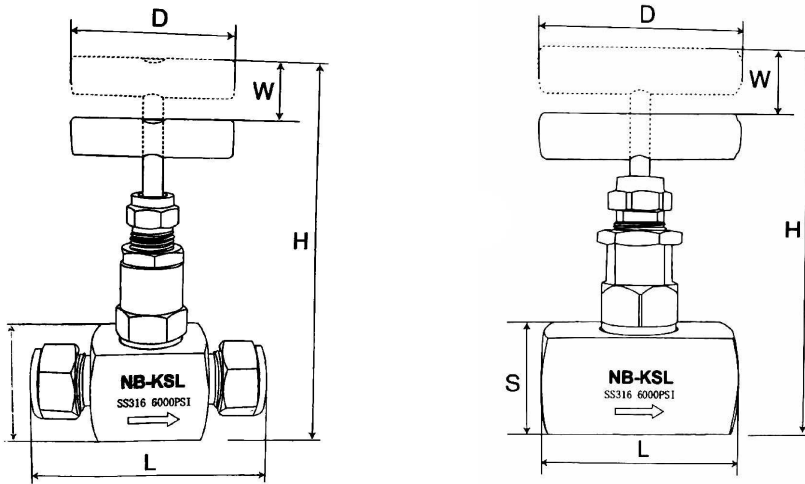


- Handle / 手柄
Aluminum bar and S.S. bar handle. 铝合金或不锈钢手柄
- Packing Bolt / 填料锁紧螺栓
Packing bolt design permits packing adjustments in the open position.
填料螺栓设计允许在打开或关闭位置进行填料调节
- Locking Nut / 固定螺帽
Prevents packing bolt from loosening. 防止填料螺栓松脱
- Packing / 填料
Below stem threads, isolate stem thread from process and prevents stem lubricant washout. PTFE is standard with reinforced packing washer. Grafoil available upon request.
填料位于阀杆螺下方, 可避免阀杆螺纹与介质接触并防止阀杆润滑油被冲刷. PTFE标准填料并附加强型填料华司, 柔性石墨亦可提供。
- Metal Seal / 金属密封
Construction ensure safety. 更确保结构安全性。
- Stop Pin / 固定插销
Prevents accidental removal in service. 防止阀盖工作时意外松脱
- Back Seat / 后阀座设计
Provides anti-blow out of stem, secondary stem seal. 后阀座密封设计可防止阀杆防爆脱落, 并可作为阀杆二次密封. V型阀杆阀尖为标准品, 亦可提供球型阀尖
- Variety Stem Tips / 不同阀杆阀尖型式
Includes non-rotating V tip (standard) and ball tip (optional)

Features / 特点

- Working pressure up to 10,000psig(689bar). 最高工作压力6000psig(420bar)
- Temperature rating from -65°F to 450°F (-54°C to 232°C) with standard PTFE packing, and up to 1200°F(648°C) with optional Grafoil packing. 使用PTFE密封时, 温度范围可从 -65°F至450°F (-54°C至232°C), 使用Grafoil密封时, 温度可高达1200°F(643°C).
- Body material available in 316SS, Carbon Steel and Alloy 400(Monel).
本体材质可提供 316不锈钢、碳钢、Monel 400合金或其它材料。
- 100% factory tested. 100%工厂检验测试。

结构型式



NVF卡套连接针阀外型尺寸表

订购型号	尺寸	D	D1	L	H	S	W
NVF-02OD	1/4LOK	55	3	65	74	22	4
NVF-03OD	3/8LOK	55	5	65	74	22	4
NVF-04OD	1/2LOK	55	6	77	96	28	5
NVF-06OD	3/4LOK	55	7	77	96	28	5
NVF-08OD	1"LOK	75	10	96	119	40	7
NVF-6OD	6mmLOK	55	3	65	74	22	4
NVF-8OD	8mmLOK	55	4	65	74	22	4
NVF-10OD	10mmLOK	55	5	65	74	22	4
NVF-12OD	12mmLOK	55	6	77	96	28	5
NVF-14OD	14mmLOK	55	7	77	96	28	5
NVF-16OD	16mmLOK	55	7	77	96	28	5
NVF-18OD	18mmLOK	55	7	77	96	28	5
NVF-20OD	20mmLOK	75	10	92	117	38	7
NVF-22OD	22mmLOK	75	10	92	117	38	7
NVF-25OD	25mmLOK	75	10	96	119	40	7

NVF螺纹连接针阀外型尺寸表

订购型号	P	D	D1	L	H	S	W
NVF-02F	1/4	55	5	55	74	22	4
NVF-02M	1/4	55	5	55	74	22	4
NVF-03F	3/8	55	5	55	74	22	4
NVF-03M	3/8	55	5	55	74	22	4
NVF-04F	1/2	55	6	65	96	28	5
NVF-04M	1/2	55	6	65	96	28	5
NVF-06F	3/4	75	10	71	117	38	7
NVF-08F	1"	75	10	71	119	40	7

NVF螺接式针阀外型尺寸表

订购型号	P	D	D1	L	H	S	W
NVF-10W	10mm	55	5	108	74	22	4
NVF-12W	12mm	55	6	122	96	28	5
NVF-14W	14mm	55	6	122	96	28	5

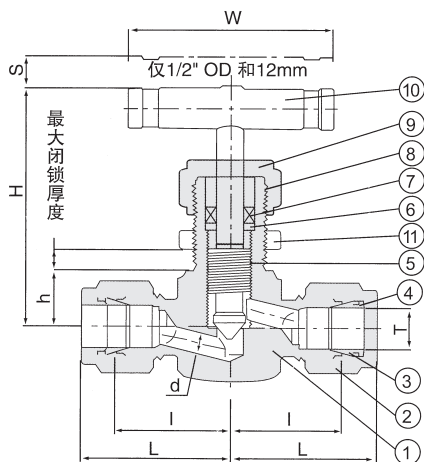
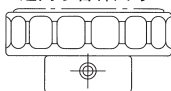
上述尺寸数据仅供参考，如有变更恕不另行通知，未标注规格可询问工厂定制。

MINI TUBE END NEEDLE VALVE 精小型卡套连接针型阀

订购型号 KSL-



适用于各种尺寸



NV	L	6	OD
针阀	直角型式	钢管连接尺寸	卡套连接

- 压力范围 (@20°C) : SUS316不锈钢—6000PSI
- 使用温度: -40°C - 200°C (特殊要求可提高至 650°C)
- 100%工厂6000PSI气压测试
- 园手轮颜色: 黑色、蓝色、红色、白色

● Material of Construction 结构材料

编号	名称	SUS316阀门
1	Body 主体	316不锈钢
2	Nut 螺母	316不锈钢
3	Front Ferrule 前卡套	316不锈钢
4	Back Ferrule 后卡套	316不锈钢
5	Stem 阀杆	316不锈钢
6	Gasket 密封垫	316不锈钢
7	Packing 密封圈	PTFE
8	Gasket 压紧垫	316不锈钢
9	Fix Screw 锁紧螺母	316不锈钢
10	Handle 手柄	铝合金
11	Fix Nut 固定螺母	304不锈钢

订购型号	T	L	I	W	H	d	面板开孔	流量 通径
NV-01OD	1/8LOK	27.5	20	35	63	5	14	1.5
NV-02OD	1/4LOK	28.8	21	35	63	5	14	4
NV-03OD	3/8LOK	30.6	23	35	63	5	14	4.3
NV-04OD	1/2LOK	36.7	26.5	55	69	5	19	6.5

NV-3OD	3mmLOK	27	20	35	63	5	14	1.5
NV-4OD	4mmLOK	27.2	20.5	35	63	5	14	1.5
NV-6OD	6mmLOK	28.8	21	35	63	5	14	4
NV-8OD	8mmLOK	29.7	22	35	63	5	14	4.3
NV-10OD	10mmLOK	30.6	23	35	63	5	14	4.3
NV-12OD	12mmLOK	37.3	26.5	55	69	5	19	6.5

上述尺寸数据仅供参考, 如有变更恕不另行通知, 未标注规格可询问工厂定制。

MINI FEMALE THREAD NEEDLE VALVE 精小型内外螺纹针型阀

订购型号 KSL-

NV

针阀

L

直角型式

02

螺纹连接规格

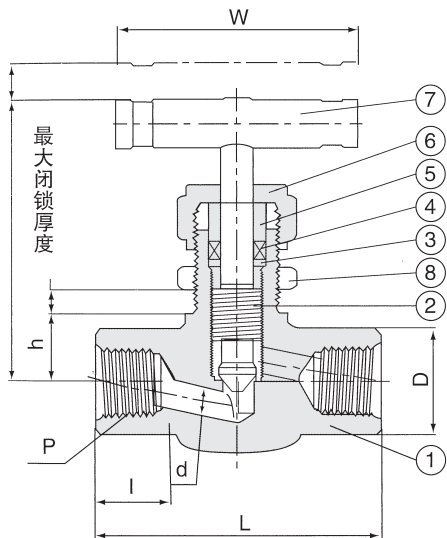
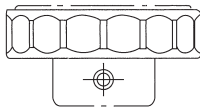
F/M(PT/NPT/G)

F=内螺纹、M=外螺纹

PT=英制、NPT=美制、G=园桂管螺纹



适合各种尺寸



- 压力范围 (@20°C) : SUS316不锈钢—6000PSI
- 使用温度: -40°C -200°C (特殊要求可提高至650°C)
- 100%工厂6000PSI气压测试
- 园手轮颜色: 黑色、蓝色、红色、白色

● Material of Construction 结构材料

编号	名称	SUS316阀门
1	Body主体	316不锈钢
2	Stem 阀杆	316不锈钢
3	Gasket 密封垫	316不锈钢
4	Packing 密封圈	PTFE
5	Bonnet 压紧垫	316不锈钢
6	Fix Screw 锁紧螺母	316不锈钢
7	Handle 手柄	铝合金
8	Fix Nut 固定螺母	304不锈钢

● 外型尺寸表

订购型号	NPT/PT	A	L	W	H	d	面板开孔	流量 通经
NV-01F	1/8	/	46	35	63	5	14	4.3
NV-02F	1/4	/	48	35	63	5	14	4.3
NV-03F	3/8	/	55	55	69	5	19	6.5
NV-01M	1/8	/	46	35	63	5	14	3.5
NV-02M	1/4	/	50	35	63	5	14	4.3
NV-03M	3/8	/	50	55	63	5	14	4.3

上述尺寸数据仅供参考, 如有变更恕不另行通知, 未标注规格可询问工厂定制。

阀系列

NB-KSL 科昇利®

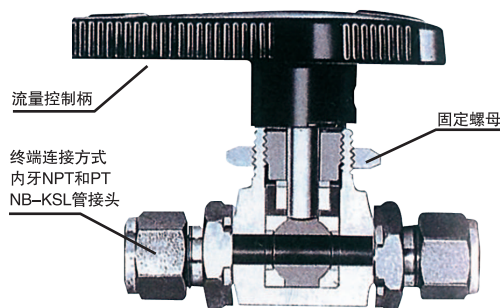
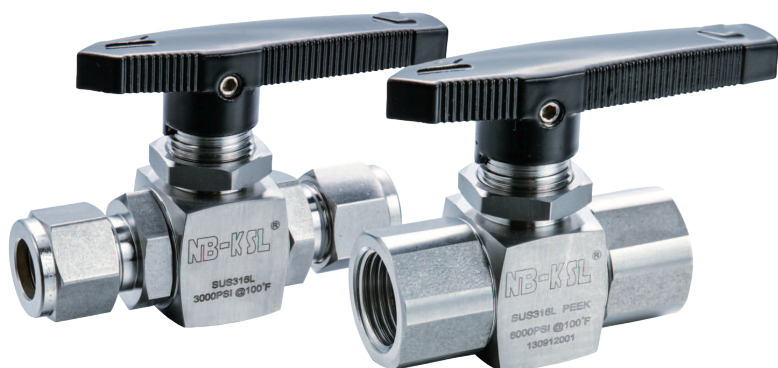
球阀 Ball Valves



MINI INSTRUMENT HIGH PRESSURE BALL VALVE

BV精小型仪表高压球阀

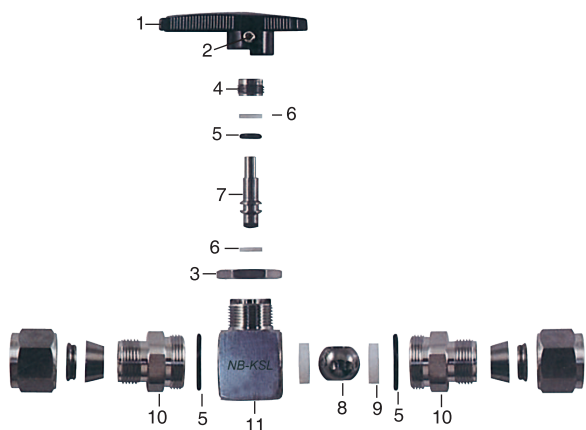
结构图



订购型号 KSL-

BV	3W	L	02	M	F	(NPT)	OD
直通球阀	三通	直角	规格	外螺纹	内螺纹	NPT/PT/BSP	卡套连接

结构示意图



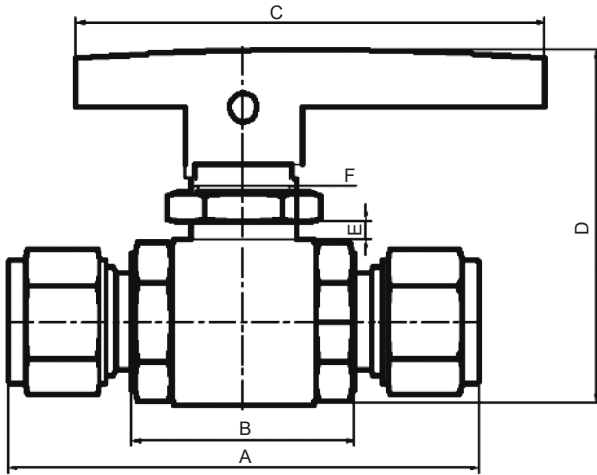
技术数据



编号	名称	不锈钢阀门
1	手柄	黑色尼龙和金属
2	电装螺丝	不锈钢304
3	固定螺母	不锈钢316
4	锁垫螺母	不锈钢316
5	主干令	NBR
6	主干垫片	PTFE
7	主干	不锈钢316
8	球	不锈钢316
9	球垫	PTFE
10	终端接头	不锈钢316
11	主体	不锈钢316

- 形状选择:直通阀和直角阀,可以用气动,电动操作.
- 阀门孔径:5mm和10mm
- 压力等级:3000PSI和6000PSI
- 密封材料:PTFE;DELIRIN;PEEK
- 可以提供终端连接端口互换可变

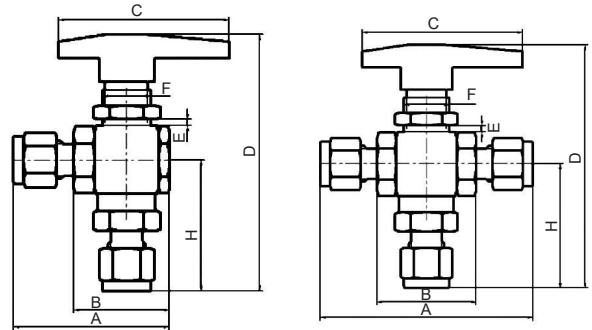
BV直线型端口阀门



直通球阀	规格	A	B	D1内孔通径	C	D	E	F
BV-01OD	1/8LOK	63	31	2.4	50	47	5	14
BV-02OD	1/4LOK	66.4	31	5	50	47	5	14
BV-03OD	3/8LOK	70.5	31	5	50	47	5	14
BV-04OD	1/2LOK	86	40	10	84	62	5	19
BV-06OD小体	3/4LOK	91	46.4	10	84	62	5	19
BV-08OD	1"LOK	115.5	61.5	14	81	81	6	27
BV-3OD	3mmLOK	63	31	2.4	50	47	5	14
BV-4OD	4mmLOK	63	31	3	50	47	5	14
BV-6OD	6mmLOK	66.4	31	5	50	47	5	14
BV-8OD	8mmLOK	68.4	31	5	50	47	5	14
BV-10OD	10mmLOK	70.5	31	5	50	47	5	14
BV-12OD	12mmLOK	86	40	10	84	62	5	19
BV-14OD	14mmLOK	85	40	10	84	62	5	19
BV-16OD	16mmLOK	85	40	10	84	62	5	19
BV-18OD	18mmLOK	91	46.4	10	84	62	5	19
BV-20OD	20mmLOK	106.8	61.5	14	81	81	6	27
BV-22OD	22mmLOK	106.8	61.5	14	81	81	6	27
BV-25OD	25mmLOK	115.5	61.5	14	81	81	6	27

直通球阀	NPT/PT	A	B	D1内孔通径	C	D	E	F
BV-01F	1/8	46	/	5	50	47	5	14
BV-02F	1/4	54	/	5	50	47	5	14
BV-03F	3/8	64	/	10	84	62	5	19
BV-04F	1/2	66	/	10	84	62	5	19
BV-06F	3/4	87	/	14	81	81	6	27
BV-08F	1"	109.5	/	14	81	81	6	27

ANGLE TYPE AND 3 WAY PORT BALL VALVE BV直角型和三端口阀门



直角球阀	规格	A	B	D1内孔通径	C	D	H	E	F
BVL-01OD	1/8LOK	44.5	28	2.4	50	74	37	5	14
BVL-02OD	1/4LOK	45.8	28	5	50	75.7	38.7	5	14
BVL-03OD	3/8LOK	47.6	28	5	50	77.7	40.7	5	14
BVL-04OD	1/2LOK	59.2	37	10	84	102	54.7	5	19
BVL-06OD/小体	3/4LOK	62.4	40	10	84	108	60.4	5	19
BVL-3OD	3mmLOK	44	28	2.4	50	74	37	5	14
BVL-6OD	6mmLOK	45.8	28	5	50	75.7	38.7	5	14
BVL-8OD	8mmLOK	46.7	28	5	50	76.7	39.7	5	14
BVL-10OD	10mmLOK	47.6	28	5	50	77.7	40.7	5	14
BVL-12OD	12mmLOK	59.8	37	10	84	102	54.7	5	19
BVL-14OD	14mmLOK	59.8	37	10	84	101.6	54.2	5	19
BVL-01F	1/8	35.5	/	5	50	66.5	29.5	5	14
BVL-02F	1/4	39.5	/	5	50	69.5	32.5	5	14
BVL-03F	3/8	44.5	/	10	84	90.5	44.5	5	19
BVL-04F	1/2	45.5	/	10	84	91.5	45.5	5	19

三通球阀	规格	A	B	D1内孔通径	C	D	H	E	F
BV3W-01OD	1/8LOK	63	31	2.4	50	74	37	5	14
BV3W-02OD	1/4LOK	66.4	31	5	50	75.7	38.7	5	14
BV3W-03OD	3/8LOK	70.5	31	5	50	77.7	40.7	5	14
BV3W-04OD	1/2LOK	86	40	10	84	102	54.7	5	19
BV3W-06OD	3/4LOK	91	46	10	84	108	60.4	5	19
BV3W-3OD	3mmLOK	63	31	2.4	50	74	37	5	14
BV3W-4OD	4mmLOK	63	31	3	50	74	37	5	14
BV3W-6OD	6mmLOK	66.4	31	5	50	75.7	38.7	5	14
BV3W-8OD	8mmLOK	68.4	31	5	50	76.7	39.7	5	14
BV3W-10OD	10mmLOK	70.5	31	5	50	77.7	40.7	5	14
BV3W-12OD	12mmLOK	86	40	10	84	102	54.7	5	19
BV3W-14OD	14mmLOK	85	40	10	84	101.6	54.2	5	19
BV3W-16OD	16mmLOK	85	40	10	84	101.6	54.2	5	19
三通球阀	NPT/PT	A	B	D1内孔通径	C	D	H	E	F
BV3W-01F	1/8	46	/	5	50	66.5	29.5	5	14
BV3W-02F	1/4	54	/	5	50	69.5	32.5	5	14
BV3W-03F	3/8	64	/	10	84	90.5	44.5	5	19
BV3W-04F	1/2	66	/	10	84	91.5	45.5	5	19

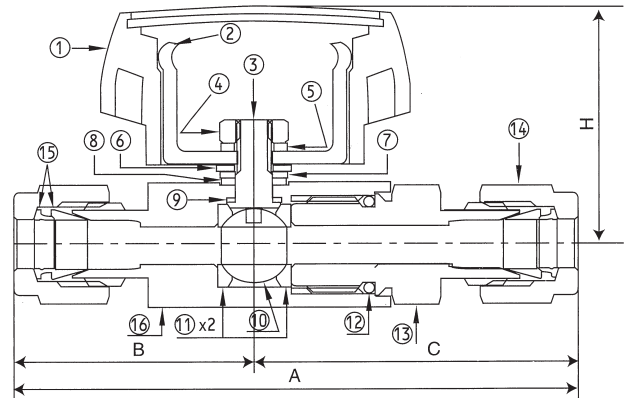
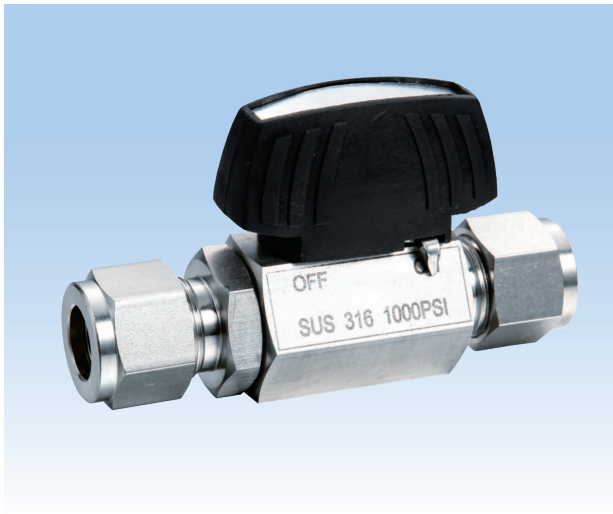
上述尺寸数据仅供参考，如有变更恕不另行通知。未标注规格可询问工厂定制。

MIDDLE AND LOW PRESSURE BALL VALVE BVJ型中低压球阀

订购型号

KSL-

BVJ	02	M	F	OD	02	M	F	OD
球阀	规格	外牙	内牙	卡套连接	规格	外牙	内牙	卡套连接



名称型号	端接口径	A	B	C	D	H	T	通径
BVJ-6OD	6mmLOK	74.2	32.2	42	17	33.5	5	
BVJ-8OD	8mmLOK	74.2	32.2	42	17	33.5	5	
BVJ-10OD	10mmLOK	80.8	36.4	44.4	22	36.5	7	
BVJ-12OD	12mmLOK	92	41	51	27	42.5	9.5	
BVJ-14OD	14mmLOK	92	41	51	27	42.5	9.5	
BVJ-16OD	16mmLOK	92	41	51	27	42.5	9.5	
BVJ-18OD	18mmLOK	104	47	57	32	42	12.5	
BVJ-20OD	20mmLOK	107	48	59	32	42	12.5	
BVJ-22OD	22mmLOK	107	48	59	32	42	12.5	
BVJ-25OD	25mmLOK	131	61.7	69.3	38	46	16	
BVJ-01OD	1/8LOK	72	31	41	17	33.5	2.4	
BVJ-02OD	1/4LOK	74.2	32.2	42	17	33.5	5	
BVJ-03OD	3/8LOK	80.8	36.4	44.4	22	36.5	7	
BVJ-04OD	1/2LOK	92	41	51	27	42.5	9.5	
BVJ-06OD	3/4LOK	104	47	57	32	42	12.5	
BVJ-08OD	1"LOK	131	61.7	69.3	38	46	16	

编号	名称	材质
1	手柄	尼龙
2	支架	SS304
3	芯轴	SS316
4	螺母	304
5	华司	304
6	密封垫	DELTRIN
7	密封垫	DELTRIN
8	密封垫	PTFE
9	密封垫	PTFE
10	球芯	316
11	侧衬	PTFE
12	密封圈	Viton
13	接头体	SS316
14	压帽	SS316
15	卡套	SS316
16	阀座	SS316

NPT/PT		A	B	C	D	H	T	通径
BVJ-02F	1/4	60.5	24.4	36.1	17	33.5	5	
BVJ-03F	3/8	65.5	28.7	36.8	22	36.5	7	
BVJ-04F	1/2	74	30	44	27	42.5	9.5	
BVJ-06F	3/4	84	36.6	47.4	32	42	12.5	
BVJ-02F-02M	1/4	64.5	24.4	40.1	17	33.5	5	
BVJ-03F-03M	3/8	67.4	28.7	38.7	22	36.5	7	
BVJ-04F-04M	1/2	76	30	46	27	42.5	9.5	
BVJ-02F-6OD	1/4	66.4	24.4	42	17	33.5	5	6mmLOK
BVJ-02F-02OD	1/4	66.4	24.4	42	17	33.5	5	1/4LOK
BVJ-03F-10OD	3/8	73.1	28.7	44.4	22	36.5	7	10mmLOK

额定工作压力:1000PSI

上述尺寸数据仅供参考, 如有变更恕不另行通知, 未标注规格可询问工厂定制。

MINI IN LINE CHECK VALVE

精小型止回阀



■ 细成材质

主体 (进口和出口), 螺母和卡套都是一样的

材质: 不锈钢316

O 令: Buna-N 用于不锈钢316

弹簧: SS304用于不锈钢316

■ 清洁

所有阀门的清洗与包装都是根据工厂的标准要求进行的, 逆止阀的清洗程序包括超音波清洗和包装。

■ 止漏

逆止阀的主要止漏为丁晴橡胶、硅橡胶、三元乙丙胶。

■ 密封圈O令技术参数

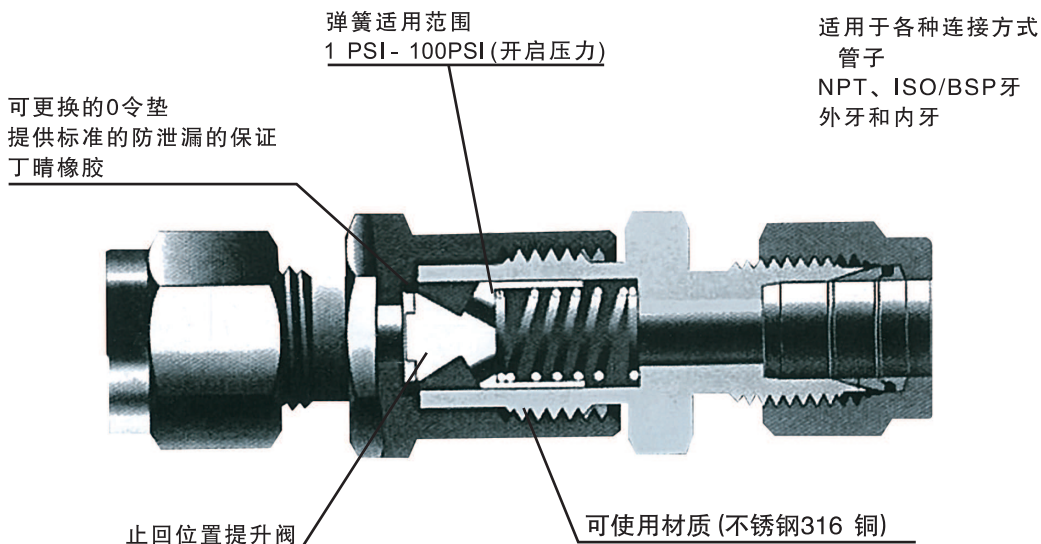
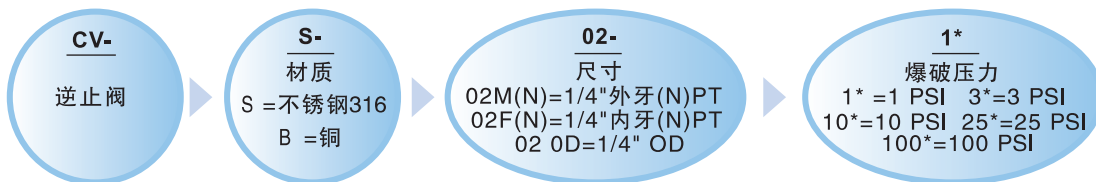
有如下表所示几种的O令可供选用

材 质	温度范围
丁晴橡胶(NBR)	-40°C~120 C
氟素橡胶(viton)	-40°C~240 C
三元乙丙胶(EP)	-40°C~150 C

■ 测试

所有的阀门都经过工厂100%测试

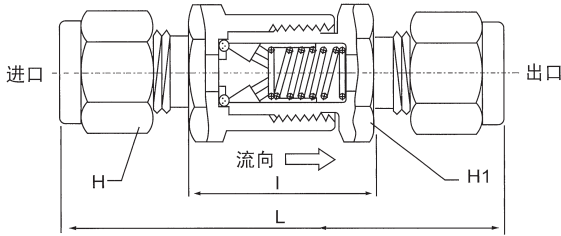
订购型号 KSL-



特征

- 1).工作压力到3000–6000 PSI
- 2).工作温度到2500F(121°C)用Buna
- 3).最小流量限制
- 4).线型逆止阀
- 5).在逆流方向快速关闭
- 6).100% 工厂测试
- 7).根据客户实际锁定压力
- 8).止回作用是为了保护仪器
- 9).有净化消除系统
- 10).使用于气体或固体

■ 管牙相对的简称NPT /PT



尺寸	1/8	1/4	3/8	1/2	3/4	
相对应的简称	01	02	03	04	06	
管径相对应的称呼						
英制管	管径	1/8	1/4	3/8	1/2	3/4
	相对应的简称	01	02	03	04	06
公制管	管径	6mm	8mm	10mm	12mm	14mm 16mm 18mm 20mm 22mm
	相对应的简称	6OD	8OD	10OD	12OD	14OD 16OD 18OD 20OD 22OD

终端连接尺寸	1/8" . 1/4" . 6mm. 8mm	3/8" . 1/2" . 10mm. 12mm	4/3" . 14mm. 16mm. 1.8mm. 20mm. 22mm
最大工作压力	3000–6000PSI		
温度范围	Vito: -23°C – 191°C (-10°F – 375°F) NBR: -23°C – 121°C (-10°F – 375°F)		
逆止压力	1. 10. 25PSI(2. 6. 66. 170kpa) 选择: Spring with Cracking Pressure up to 100PSI		
流体系数	1/8" – 0/16 1/4" . 6mm. 8mm – 0.47	3/8" – 1/47 1/2" – 10mm. 12mm – 1.68	4.48

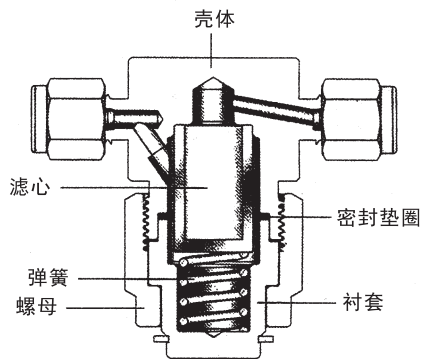
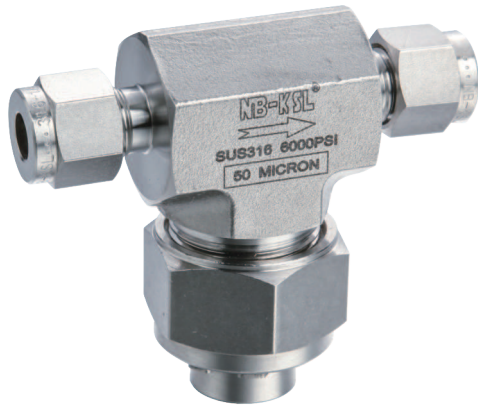
注意：阀门不要瞬间用于高爆破压力或有时处于爆破压力状态在使用。

尺寸表

单向阀				T通径	L	1	H	H1
CV-01OD	1/8LOK			2.4	62	30	12	19
CV-02OD	1/4LOK			5	65.5	30	14	19
CV-03OD	3/8LOK			5	69.2	30	17	19
CV-04OD	1/2LOK			7.9	79.5	34.7	22	24
CV-06OD	3/4LOK			11.5	94	49.5	30	32
CV-08OD	1"LOK			18	114.5	60.4	38	41
CV-3OD	3mmLOK			2.4	62	30	12	19
CV-4OD	4mmLOK			3	62.5	30	12	19
CV-6OD	6mmLOK			5	65.5	30	14	19
CV-8OD	8mmLOK			5	67.5	30	16	19
CV-10OD	10mmLOK			5	69.2	30	19	19
CV-12OD	12mmLOK			7.9	79.5	34.7	22	24
CV-14OD	14mmLOK			11.5	94	49.5	27	32
CV-16OD	16mmLOK			11.5	94	49.5	27	32
CV-18OD	18mmLOK			11.5	94	49.5	30	32
CV-20OD	20mmLOK			11.5	96.5	49.5	32	32
CV-22OD	22mmLOK			11.5	96.5	49.5	32	32
CV-25OD	25mmLOK			18	114.5	60.4	38	41
内螺纹								
CV-01F	1/8			5	54.5	/	19	/
CV-02F	1/4			5	60.5	/	19	/
CV-03F	3/8			7.9	58.7	/	24	/
CV-04F	1/2			11.5	78.5	/	32	/
CV-06F	3/4			11.5	78.5	/	32	/
CV-08F	1"			18	89	/	41	/

上述尺寸数据仅供参考，如有变更恕不另行通知。未标注规格可询问工厂定制。

FLT 系列三通型过滤器



拆装说明

拆卸

利用适当尺寸和形式的扳手，把过滤器壳体从衬套上拆下。接着拆出滤芯、弹簧和密封垫圈。

重新组装

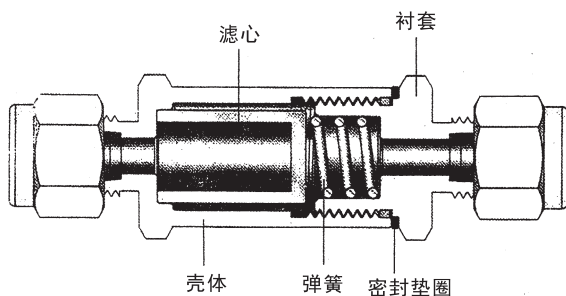
1. 在重新组装之前，清洁过滤器外壳，同时确保所有其他元件都保持洁净，无污染杂质。
2. 把滤芯放置到过滤器壳体内，让滤芯的开口端与滤芯座直径方向平行。
3. 小心的对密封垫圈进行润滑。推荐使用的润滑油：T-80级氟碳润滑油。把密封垫圈安放就位。
4. 把弹簧放置到衬套中。
5. 手动拧紧螺母。
6. 使用扭矩扳手把螺母上紧，力矩的设定符合“表1”所给出的力矩数据。
7. 把过滤器连接到压力管线上，检查过滤器的运行是否正常。使用流体检漏仪对过滤器进行检测，确保过滤器不会发生泄漏。

表1

螺母紧因力矩表，单位：磅-英寸(牛顿-米)

型号 FLT	标准组件		在密封垫圈上无润滑油 (用于特殊场合)	
	不锈钢	黄铜	不锈钢	黄铜
规格				
1/8 inch				
3 mm	530 (60)	470 (53)	575 (65)	470 (53)
1/4 inch				
6 mm				
3/8 inch				
8 mm	630 (71)	470 (53)	680 (77)	470 (53)
10 mm				
12 mm				
1/2 inch				

FL 系列同轴配置型过滤器



拆卸

利用适当尺寸和形式的扳手，把过滤器壳体从衬套上拆下。接着拆出滤芯、弹簧和密封垫圈。

重新组装

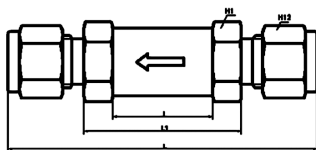
1. 在重新组装之前，清洁过滤器外壳，同时确保所有其他元件都保持洁净，无污染杂质。
2. 把滤芯放置到过滤器壳体内，让滤芯的开口端与滤芯座直径方向平行。
3. 小心的对密封垫圈进行润滑。推荐使用的润滑油：T-80级氟碳润滑油。把密封垫圈安放就位。
4. 把密封垫圈安装到衬套上。
5. 把弹簧放置到衬套中。
6. 手动拧紧螺母。确保密封垫圈正确就位。
7. 使用扭矩扳手把衬套更牢固地拧紧到过滤器的壳体上，力矩的设定符合“表2”、所给出的力矩数据。
8. 把过滤器连接到压力管线上，检查过滤器的运行是否正常。使用流体检漏仪对过滤器进行检测，确保过滤器不会发生泄漏。

表2

螺母紧因力矩表，单位：磅-英寸(牛顿-米)

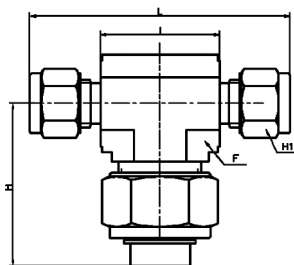
型号 FL	标准组件		在密封垫圈上无润滑油 (用于特殊场合)
	不锈钢	黄铜	不锈钢
规格			
1/8 inch	150 (17)	135 (15)	
3 mm			
1/4 inch			
6 mm	530 (60)	345 (39)	530 (60)
3/8 inch			
8 mm			
10 mm			
12 mm	530 (60)	470 (53)	830 (94)
1/2 inch			

直通过滤器



型号			I	L	L1	H1	H2
FL-6OD	6mmLOK		26	76.5	41	19	14
FL-8OD	8mmLOK		26	78	41	19	16
FL-10OD	10mmLOK		26	80.5	41	19	19
FL-12OD	12mmLOK		26	88	43	22	22
FL-01OD	1/8LOK		26	73	41	19	12
FL-02OD	1/4LOK		26	76.5	41	19	14
FL-03OD	3/8LOK		26	80.5	41	19	17
FL-04OD	1/2LOK		26	88	43	22	22
FL-02F	1/4		26	65.5	/	19	/
FL-03F	3/8		26	70	/	22	/
FL-04F	1/2		26	81.5	/	27	/

T型过滤器



型号			I	L	H	H1	F
FLT-6OD	6mmLOK		32	68.5	43.5	14	24
FLT-8OD	8mmLOK		32	69.5	43.5	16	24
FLT-10OD	10mmLOK		32	71	43.5	19	24
FLT-12OD	12mmLOK		32	78	43.5	22	24
FLT-16OD	16mmLOK		32	78	43.5	27	24
FLT-02OD	1/4LOK		32	68.5	43.5	14	24
FLT-03OD	3/8LOK		32	71	43.5	19	24
FLT-04OD	1/2LOK		32	78	43.5	22	24
FLT-02F	1/4		32	54	43.5	/	24
FLT-03F	3/8		32	54	43.5	/	24

NB-KSL 科昇利

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