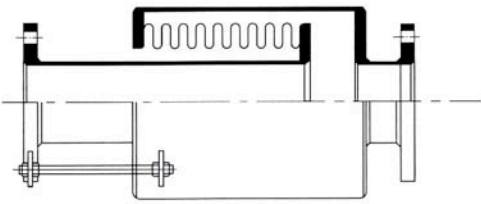
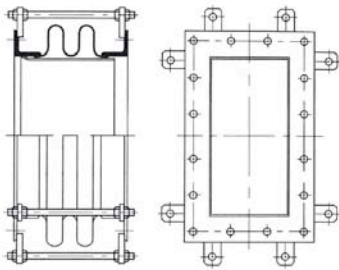
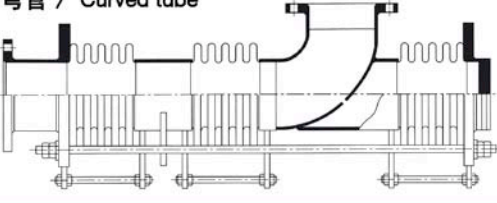
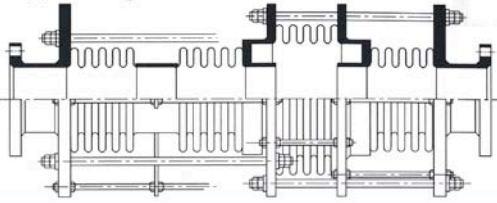
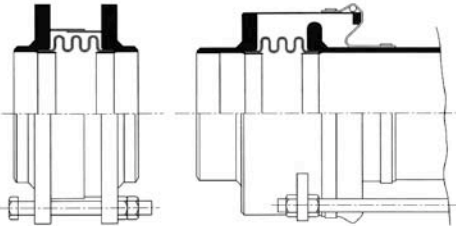
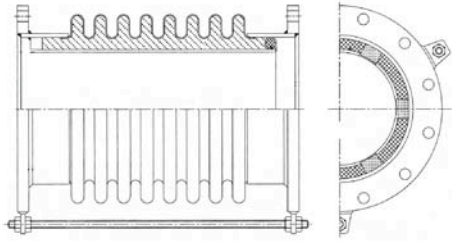
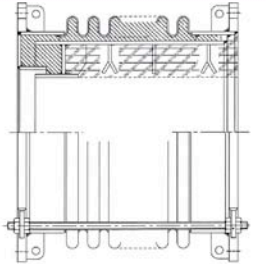


膨胀节的构造及用途 Structures and Usages of Expansion Joints

Structures and Usages of Expansion Joints

型式 Type	构造图 Structure Figure	位移方向 Direction of movement	用途 (流体) Usage (Fluid)
单式自由型 伸缩接头 Free type (Single)		轴向 轴直角向 Axial Direction Lateral Direction	最标准的普通用途型式 (废气, 空气, 油, 冷、热水, 蒸气) Standard type for general use (exhaust gas, air, oil, cold and hot water, steam)
非焊接伸缩接头 (ENW型) TX-10000 Non welded type		轴向 轴直角向 振动 Axial Direction Lateral Direction Vibration	吸收低压配管振动及发动机废气。 (废气) Use to absorb vibration in low pressure pipeline and engine exhaust (exhaust gas)
复式自由型 伸缩接头 Free type (Multi)		轴向 (在单式不能 吸收位移的 场合) Axial Direction (Use when Single type)	能大量吸收轴向的伸缩。 (煤气, 空气, 油, 冷、热水, 蒸气) To absorb large axial displacement (gas, air, oil, cold and hot water, steam)
万能型伸缩接头 Universal type		轴直角向 (轴向) Lateral Direction (Axial Direction)	吸收轴直向的位移。 (煤气, 空气, 油, 冷、热水, 蒸气) To absorb lateral deflection (gas, air, oil, cool and hot water, steam)
铰链式伸缩接头 Hinge type		角度位移吸收 To absorb angular rotation	个别组成吸收轴向、轴直角向的位移 Axial and Lateral deflection can be absorbed by combined design.
平衡环式 伸缩接头 Gimbal type		轴直角向 角度 Lateral Deflection Angle	吸收3次元的角度位移。 To absorb angular rotation in any place (3-D)
外筒式伸缩接头 Outer pipe type		轴向 (轴直角向) Axial Direction (Lateral Direction)	保护对外来的损害 (煤气, 空气, 油, 冷、热水, 蒸气) To protect the exterior surface from foreign objects or mechanical damage. (gas, air, oil, cold and hot water, steam)

型式 Type	构造图 Structure Figure	位移方向 Direction of movement	用途 (流体) Usage (Fluid)
外压式伸缩接头 Outer pressure type		轴向 Axial Direction	均衡的伸缩构造, 拥排水功能。 (蒸汽, 排水) With an even expanding structures and the drain can be released easily (steam, drain)
方型伸缩接头 (U字形/V字形) Square type (U-type/V-type)		X方向 (V字形是低反力) Axial Direction (V-type has low spring rate)	在方形排气管道使用 To be used in ducting system of exhaust gas
压力均衡型伸缩接头 Balanced pressure type	<p>〈弯管〉 Curved tube</p>  <p>〈直管〉 Straight tube</p> 	轴向 轴直角向 Axial Direction Lateral Direction	均衡吸收推力, 降低负荷。 To absorb the thrust with balance, and to minimize the reaction load
埋设型伸缩接头 Under ground type		轴向 轴直角向 Axial Direction Lateral Direction	地里埋设用途。 (自来水管道路用途) To be used as laying pipe under ground (water piping)
断热材填充式伸缩接头 Heat insulating encapsulated type		轴向 (轴直角向) Axial Direction (Lateral Direction)	高温流体用途, 防止液体的侵入沉积 (硅砂·灰·高温空气·燃烧气体) To be used to protect flowing medium packing and solidifying in high temperature fluid (Silica sand · Ash · High-temperature air · incinerated gas)
隔热耐火材料式伸缩接头 Castable type		轴向 (轴直角向) Axial Direction (Lateral Direction)	非常高温下也有耐火, 绝热性能。 (非常高温流动空气·非常高温燃烧气体) To be used as fireproof and heat insulating under ultra high temperature (flowing ultra high-temperature air flow·ultra-high temperature incinerated gas)

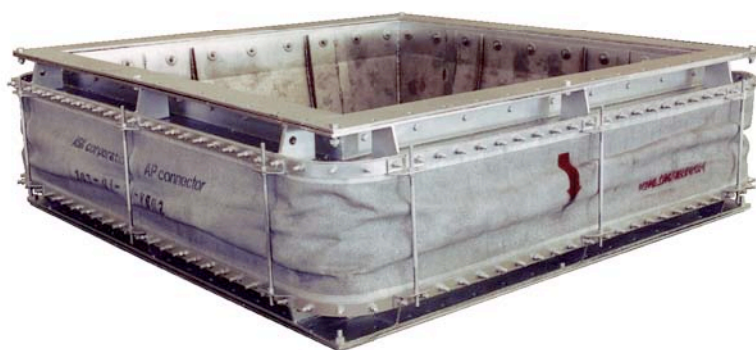
非金属柔性膨胀节 Non-metal soft expansion joints

由于非金属柔性膨胀节具有耐高温、耐腐蚀、位移能力大而无弹性反力且自身重量轻的优点，所以，它在电力系统、钢铁系统、化工纺织系统及排烟、除尘等领域越来越广泛地得到采用。

特扶利五金制品有限公司备有的非金属柔性膨胀节就具有上述优点，其材料主要采用玻璃纤维材料，和复合材料，其结构可根据用户的不同工作温度 and 不同连接要求设计。

Non-metal soft expansion joints which are high temperature resistance, corrosion resistance, capable for large displacement, non-elastic reaction, lightweight, are widely used in the industries of electricity, iron and steel, chemical engineering, textile, smoke and dust exhaust application.

Tofle non-metal soft expansion joints offer a number of advantages mentioned above, mainly made by glass fiber composite material. Tofle guide users the most suitable design according to different working temperature and piping requirements.



真空用途零件接头

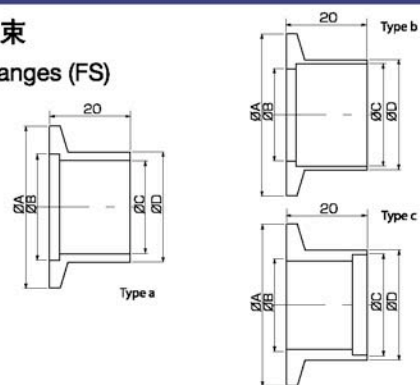
Attachment for vacuum applications



关于长颈管束、大小头、弯头、三通、四通的详细，请联系。
About long fingers, reducing nipples, elbows, tees, crosses, please contact us.

短颈管束

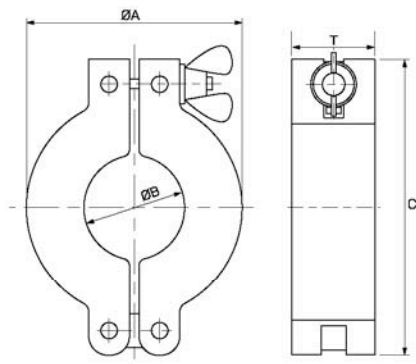
Short flanges (FS)



标准材质: SUS304 Standard materials: SUS304 (长度单位: mm)

型式号码	Type	φA	φB	φC	φD	Type
NW10FS		30	12.2	10.2	13.8	a
NW16FS		30	17.2	16.0	21.7	a
NW25FS		40	26.2	23.0	27.2	a
NW40FS		55	41.2	37.1	42.7	a
NW50FS		75	52.2	54.9	60.5	b
NW63FS		87	70.3	70.0	76.3	a
NW80FS		114	83.2	89.3	98.0	c
NW100FS		134	102.2	110.1	114.3	b
NW160FS		190	153	165.2	174	b
NW200FS		252	213	219.1	230	b

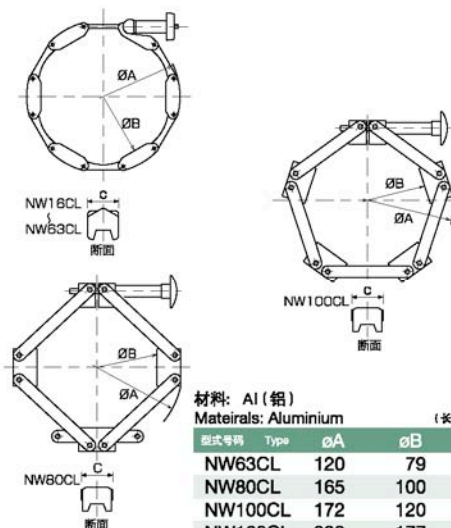
管束 Clamps (CL)



材料: Al (铝) Materials: Aluminium (长度单位: mm)

型式号码	Type	φA	φB	C	T
NW10CL		42	22	62	16
NW16CL		42	22	62	16
NW25CL		54	32	72	16
NW40CL		70	47	90	16
NW50CL		93	62	121	23

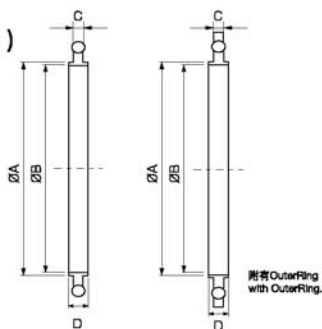
链型管束 Chain Clamps (CL)



材料: Al (铝) Materials: Aluminium (长度单位: mm)

型式号码	Type	φA	φB	φC
NW63CL		120	79	20
NW80CL		165	100	37
NW100CL		172	120	37
NW160CL		232	177	37
NW200CL		293	239	37

中心圈 (附有氟素O型圈) Center ring (CV)



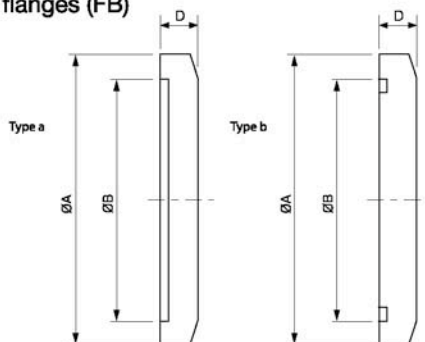
标准材质: SUS304 O型圈材质: 氟素橡胶
Standard materials: SUS304 O-ring material: fluoro rubber (长度单位: mm)

型式号码	Type	φA	φB	C	φD
NW10CV		12	10	3.9	8
NW16CV		17	16	3.9	8
NW25CV		26	24	3.9	8
NW40CV		41	39	3.9	8
NW50CV		52	50	3.9	8
NW63CV		70	99	3.9	8
NW80CV		82.8	81	3.9	8
NW100CV		101.6	100	3.9	8
NW160CV		153	150	4	8
NW200CV		213	212	4	8

* NW63,80,100 附有OuterRing.
* NW63,80,100 is with OuterRing.

盲板接头

Blank flanges (FB)



标准材质: SUS304 Standard materials: SUS304 (长度单位: mm)

型式号码	Type	φA	φB	D	Type
NW10FB		30	12.2	5	a
NW16FB		30	17.2	5	a
NW25FB		40	26.2	5	a
NW40FB		55	41.2	5	a
NW50FB		75	52.2	5	a
NW63FB		87	70.0	5	b
NW80FB		114	83.0	11	b
NW100FB		134	102.0	11	b

软管的正确使用 Proper Handling of Flexible Tubes

选定适合使用条件的软管，正确安装。这是为了延长产品寿命的秘诀。

The key to extending the service life is to select the model best suited for the operating conditions and handle it correctly.

安装软管时注意 Precautions

请忽扭曲！

软管不能吸收扭曲。

- 扳紧旋转接头时，请用两枝扳子。
- 弯曲要在同一平面上。

Do not twist the tubing!

No twist or torque can be absorbed by flexible tubing.

- Be sure to fasten the screw metal fittings using two wrenches.
- Bend the tubing only within one plane.

请忽过度弯曲！

过度弯曲会降低耐压性。

- 有反复动作时，弯曲半径越大越好。
- 请严守弯曲半径。

Do not bend the tubing excessively.

An extremely small bend decreases pressure resistance.

- Strictly observe the specified bending radius of the tubing.

保持适当的长度！

拉伸承受重量会降低附有网套的软管的耐压性。

- 保持适当的余留。

Use a sufficient length of tubing.

A tensile load applied to wire-braided tubing decreases pressure resistance.

- Use a sufficient length of tubing to avoid tensile load.

支撑软管的连接软管 Support Any Hose Located Next to the Tube.

没支撑的配管可能会增加振动幅度。

- Any unsupported vibrating hose may amplify vibration.

× 误
○ 正
Incorrect / Correct

1

安装软管时，要尽量避免弯曲，保持竖直。
Use an elbow if possible.

2

软管两端部不能弯曲，要竖直安装。
Avoid sharp bends. Maintain a sufficient bend radius.

U字配管对时常有移动的配管有利。
If any movement is involved, try to make the installation similar to that in the illustration.

3

使用支撑导轮对弯曲配管有效。
Use pipe guides and support wheels.

4

防止扭曲（同时使用能旋转的接头也有效）
Avoid torque by using swivel fittings and floating flanges.

软管使用条件记录表 Using Application

请在下面方框内打勾:

Please check below boxes

- 想进一步了解特扶利的产品, 希望得到特扶利的访问和产品介绍
I want to know about TOFLE products more or want explanation by visit.
- 希望邮送产品资料
I want Tofle to send catalogues.

现在使用的, 或今后打算使用的软管种类:

Type of product that you use now, or you would like to use:

- 不锈钢软管
Stainless Flexible Tubes
- PTFE软管
PTFE Hoses
- 不锈钢膨胀节
Stainless Expansion Joints
- 不锈钢真空用途软管
Stainless steel tube for Vacuum Application
- 其他 ()
Others ()

软管使用条件: Application in detail

波纹管材质 Material			用途 Application		
口径 Nominal dia.			全长 Over all length		介质 Media
使用温度 Operating temperature			最高温度 Maximum temperature		
使用压力 Operating pressure			最高压力 Maximum pressure		
接头 Connection	种类 Type			尺寸 Size	
	材质 Material			规格 Standard	
位移量 Deflection	X方向 Axial Deflection		Y方向 Lateral Deflection		变化角度 Angular Deflection
最多使用次数 Expected life cycle			要求卫生级标准 Sanitary Grade Requirements		

软管安装略图或其他使用条件:

Please draw a rough sketch or specify other applications if any.

如果贵公司在机械设备, 管道安装等方面有需要改善或解决问题, 请详细记录具体情况:

If you have any problems to improve or solve about machines, or piping system, please specify the details.

公司名称 Company name:

担当者 Person in charge:

TEL:

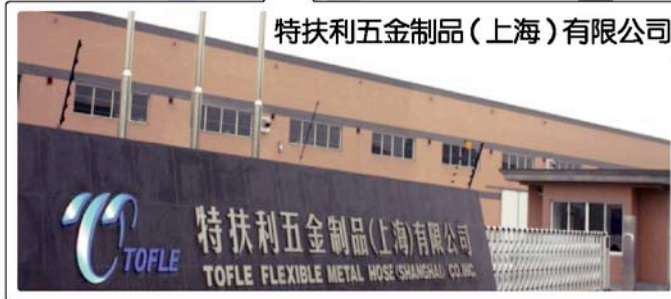
FAX:

E-mail:

地址 Address:



公司周边图



从虹桥机场 特扶利五金制品的 行车指南

虹桥机场
↓
G50 沪渝公路
↓
G15 沈海高速公路
↓
向叶新公路出口方向
进入叶新公路
↓
参考右图

从浦东国际机场 到特扶利五金制品的 行车指南

浦东机场
↓
S32 申嘉湖高速公路
↓
G15 沈海高速公路
↓
向叶新公路出口方向
进入叶新公路
↓
参考左图

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