

专业管道设备制造商
Professional pipeline equipment manufacturer



豫·铭朝
Yu Mingchao

河南铭朝流体科技有限公司
Henan Mingchao Fluid Technology Co., Ltd



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河南铭朝流体科技有限公司

Henan Mingchao Fluid Technology Co., Ltd

一流的技术 一流的产品 一流的服务
First class technology First class products First class service



精益求精 服务至上
KEEP IMPROVING
AND SERVICE FIRST

高技术、高品质、高服务、高信誉

CORPORATE CULTURE

企业文化

公司宗旨

Purpose of the company

以人为本，诚信务实，创新进取，回报社会。

People oriented, honest and pragmatic, innovative and enterprising, repay the society.

服务宗旨

Service purpose

热情接待新老客户，确切了解顾客需求；严格质量过程控制，确保合同交货周期；及时进行质量跟踪，迅速处理质量异议。

To receive new and old customers warmly, to understand customers' demands; to control the quality process strictly to ensure the contract delivery period; to timely track the quality and deal with the quality objection quickly.

质量宗旨

Quality purpose

以优于国内、国际标准的厂控标准，满足顾客对产品实物质量的期望和要求。

The factory control standard is superior to the domestic and international standards to meet the customer's expectations and requirements for product quality.

企业目标

Corporate objectives

创中国名牌，出世界精品。

Create a Chinese famous brand and produce world-class products.

营销战略

Marketing strategy

品种独特，质量优良、价格适中、交货及时、策略灵活、服务优质。

Unique variety, excellent quality, moderate price, timely delivery, flexible strategy and high quality service.

企业作风

Enterprise style

经济讲效益，管理讲制度，办事讲原则，工作讲效率。

Economic efficiency, management system, principle and efficiency.

经营理念

management idea

人无我有，人有我优，人优我特，人特我精。

People have no I have, people have me excellent, people excellent I special, people special I fine.

经营宗旨

Business purpose

信誉至上，用户第一，质量满意，交货准时，愿与您真诚合作，携手发展。

Reputation first, customer first, quality satisfaction, delivery on time, is willing to cooperate with you sincerely and develop hand in hand.



集研发、销售、服务为一体的企业
An enterprise integrating R & D, sales and service



Delivery site



Delivery site





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可曲挠橡胶接头
Flexible rubber joint



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KXT type single sphere flexible rubber joint



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KST type double sphere rubber joint



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KDF flexible high pressure single sphere rubber joint



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KDF flexible high pressure double sphere rubber joint



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JDX type reducing rubber joint



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JGD(KXT)型可曲挠偏心异径橡胶接头
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JGD-B型丝扣连接橡胶接头
JGD-B threaded type rubber joint



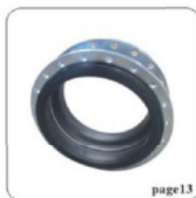
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JGD-B型限位螺栓连接橡胶接头
JGD-B threaded type rubber joint



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负压橡胶接头
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负压橡胶接头
Negative pressure rubber joint



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可曲挠橡胶接头埋地防护装置
Buried protective device for flexible rubber joint



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VSSJA-1 (BF)型单法兰松套限位伸缩接头
VSSJA-1 (BF) single flange limited telescopic joint



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VSSJA-2 (BF)型双法兰松套限位伸缩接头
VSSJA-2 (BF) double flange limited telescopic joint



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VSSJAFG (CF)型单法兰松套带力接头
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VSSJAF (CF)型双法兰松套带力接头
VSSJAF (CF) double flange dismantling joint



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VSSJAFG (CC2F)型双法兰松套带力接头
VSSJAFG (CC2F) double flange dismantling joint



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JDZ轴向内压式波纹补偿器
JDZ shaft inward pressure ripple compensator



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沟槽波纹管
Grooved bellows



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沟槽金属软管
Grooved metal hose



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JR不锈钢金属软管
J stainless steel metal hose



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金属软管
Metal hose



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四氟波纹补偿器
Teflon ripple compensator



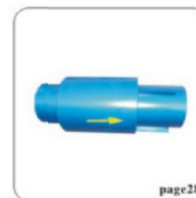
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JZW轴向外压型波纹补偿器
JZW axial external pressure type corrugated compensator



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BW无约束型波纹补偿器
BW unrestrained ripple compensator



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JZM直埋式波纹补偿器
JZM direct buried corrugated compensator



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ZTB-B I 注填式套筒补偿器
ZTB-B I filling sleeve compensator



ZTB-B II 直埋型套筒补偿器
ZTB-B II directly buried sleeve compensator



JDH大拉杆横向波纹补偿器
JDH big pull rod transverse corrugated compensator



FUB型风道橡胶补偿器
FUB type air duct rubber filler



FVB型风道橡胶补偿器
FVB type air duct rubber filler



风道纤维组织补偿器 (圆形)
Air duct fibrous tissue compensator (round)



风道纤维组织补偿器 (矩形)
Air duct fibrous tissue compensator (rectangular)



02S404柔性防水套管
02s404 flexible waterproof casing



02S404刚性防水套管
02s404 rigid waterproof casing



04FS02柔性密闭套管
04fs02 flexible sealed casing



04FS02刚性密闭套管
04fs02 rigid closed casing



法兰
flange

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可曲挠橡胶接头 Flexible rubber joint

产品特性

可曲挠橡胶接头又可称为：橡胶软连接、软接头、柔性橡胶接头、橡胶膨胀节、避震喉、减震器等，是一种高弹性、高气密性、耐介质和耐候性的管道接头。它的性能特点：1、体积小、重量轻、弹性好、安装维修方便。2、安装时可吸收管道震动产生的横向、轴向、角向位移；不受管道不同心，法兰不平行的限制。3、工作时可降低管道水泵等震动产生的噪音，吸振能力强。4、我们自主研发的内无缝高压橡胶接头，在耐高温、耐酸碱、耐油的管道中更有效地防止了腐蚀性介质对橡胶接头内壁的侵蚀，提高了使用寿命。

Product characteristics

The flexible rubber joint is also called rubber expansion joint, shock absorbing throat, shock absorber, it is a pipe joint with high air tightness, medium resistance and weather resistance. Its performance characteristics: 1, Small size, light weight, good elasticity, easy installation and maintenance. 2, Absorb the lateral, axial and angular displacement from the vibration of the pipeline, and the utility is not restricted by the concentricity of the pipeline, and the flange. 3, Reduce the pipeline pump vibration noise and vibration absorbing ability. 4, Our independent research and development of seamless high pressure rubber joints used in the high temperature, acid and alkali resistant, oil resistant pipeline are more effectively to prevent corrosion of the inner wall of the rubber joint, and the service life is prolonged.



防拉脱装置
Limit tie rods

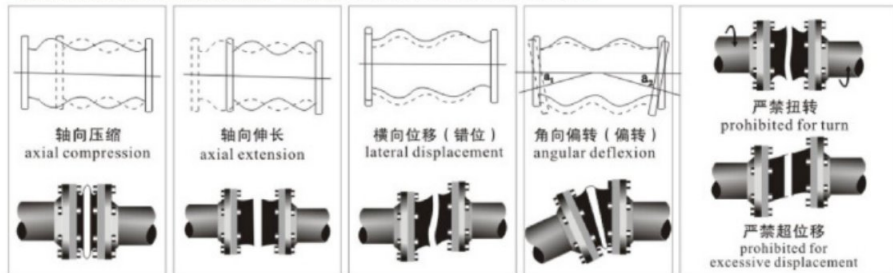
使用范围

由于可曲挠橡胶接头具有良好的综合性能，所以它广泛用于化工、建筑、给水、排水、石油、轻重工业、冷冻、卫生、水暖、消防、电力等基础工程。

Use scope

As the flexible rubber joint has good comprehensive properties, it is widely used in chemical industry, construction, water supply, drainage, oil, light and heavy industry, refrigeration, sanitation, plumbing, fire fighting, electricity foundation engineering, etc..

可曲挠橡胶接头位移情况示意图 Displacement chart of flexible rubber joint



限位可曲挠橡胶接头 Limited flexible rubber joint

产品特性

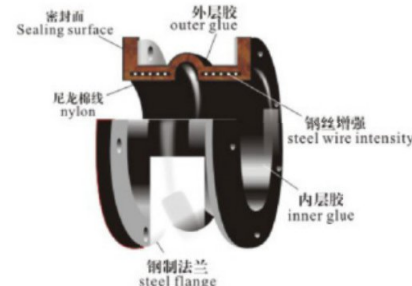
防拉脱装置也称限位防拉脱装置，是在原有产品性能的基础上增设限位装置，管道在允许的伸缩量中可以自由伸缩，一旦超过其最大伸缩量就起到限位，确保管道的安全运行，特别适用于有振动或有一定斜度及拐弯的管路中的连接。高层给水使用橡胶接头时，管道必须有固定支撑或固定托架，否则产品应安装防拉脱装置。

Product characteristics

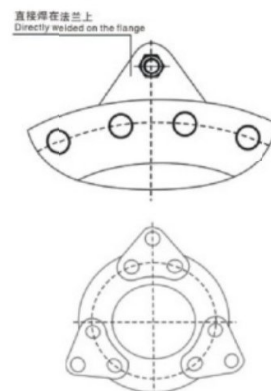
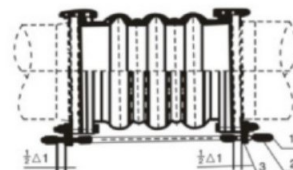
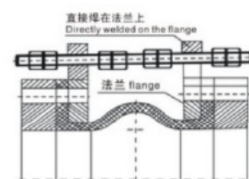
The escapement or limit the escapement, a limiting device is arranged in the original products in the pipeline to limit expansion amount allowed in the free expansion, once the expansion exceeds the maximum expansion amount, the expansion is stopped by the limit device ensuring the safe operation of the pipeline, and the utility is especially suitable for the connection of a pipeline with vibration or a certain inclination and turning. High water supply using rubber joints, The pipe must be fixed or fixed support bracket, otherwise the anti pull off device shall be installed.



防拉脱装置
Limit tie rods



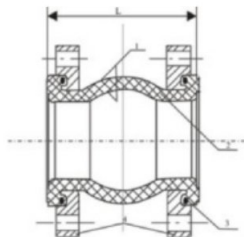
橡胶接头剖析图
Profile chart of rubber joint



1.限位螺栓 2.螺母 3.限位块
1. control rod 2. nut 3. gusset plate



KXT型单球体可曲挠橡胶接头 KXT type single sphere flexible rubber joint

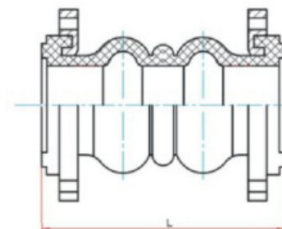


主要连接尺寸 Main connection dimensions

公称通径DN Nominal diameter DN		长度 Length L (mm)	轴向位移 Axial displacement		横向位移 Lateral displacement (mm)	偏转角度 Deflexion angle (a1+a2)
DN	inch		伸长 Extension	压缩 Compression		
32	1.25	95/130/152	6	9	9	15
40	1.5	95/130/152	6	10	9	15
50	2	105/130/152	7	10	10	15
65	2.5	115/130/152	7	13	11	15
80	3	130/135/152	8	15	12	15
100	4	130/135/150	10	19	13	15
125	5	130/152/165	12	19	13	15
150	6	130/152/180	12	20	14	15
200	8	130/152/180/200/210	16	25	22	15
250	10	130/200/230/240	16	25	22	15
300	12	130/200/245/260	16	25	22	15
350	14	200/255/265	16	25	22	15
400	16	200/255/265	16	25	22	15
450	18	200/255/265	16	25	22	15
500	20	200/255	16	25	22	15
600	24	200/260	16	25	22	15
700	28	260	16	25	22	15
800	32	260	16	25	22	15
900	36	260	16	25	22	15
1000	40	260	18	26	24	15
1200	48	260	18	26	24	15

注：1、特殊要求可按用户图纸制作，法兰标准采用GB/T9115.1-2000，可选配（GB、HG、ANSI、DIN、BS、EN、JIS、等）法兰标准生产。橡胶球体可做天然橡胶、三元乙丙橡胶、氯丁橡胶、丁基橡胶、丁晴橡胶、氟橡胶等。
2、悬空给水使用DN200以上产品，管道必须有固定支撑或固定托架，否则产品应安装防拉脱装置。
3、用户使用橡胶接头，对应法兰应是阀门法兰或符合GB/T9115.1（RF）法兰。
Note: 1, special requirements can be made according to user drawings, flange standard GB/T9115.1-2000, optional (GB, HG, ANSI, DIN, BS, EN, JIS) standard production of flange. Rubber body to NR, EPDM, CR, IIR, NBR, VITON, etc.
2, the use of suspended water supply above DN200, the pipe must be fixed or fixed support bracket, or pull off device shall be installed.
3, When using rubber joints, the corresponding flange should be the valve flange or GB/T9115.1 (RF) flange.

KST型双球体橡胶接头 KST type double sphere rubber joint



主要连接尺寸 Main connection dimensions

公称通径DN Nominal diameter DN		长度 Length (L)	轴向位移 Axial displacement		横向位移 Lateral displacement (mm)	偏转角度 Deflexion angle (a1+a2)
DN	inch		伸长 Extension	压缩 Compression		
40	1.5	165	30	50	45	40°
50	2	165	30	50	45	40°
65	2.5	175	30	50	45	40°
80	3	175	30	50	45	40°
100	4	225	35	50	40	35°
125	5	225	35	50	40	35°
150	6	225	35	50	40	35°
200	8	325	35	60	35	30°
250	10	325	35	60	35	30°
300	12	325	35	60	35	30°
350	14	325	35	60	35	30°
400	16	340-400	35	60	35	30°
450	18	340-400	35	60	35	30°
500	20	340-400	35	60	35	30°
600	24	340-400	35	60	35	30°

注：1、特殊要求可按用户图纸制作，法兰标准采用GB/T9115.1-2000，可选配（GB、HG、ANSI、DIN、BS、EN、JIS、等）法兰标准生产。橡胶球体可做天然橡胶、三元乙丙橡胶、氯丁橡胶、丁基橡胶、丁晴橡胶、氟橡胶等。
2、悬空给水使用DN200以上产品，管道必须有固定支撑或固定托架，否则产品应安装防拉脱装置。
3、用户使用橡胶接头，对应法兰应是阀门法兰或符合GB/T9115.1（RF）法兰。
Note: 1, special requirements can be made according to user drawings, flange standard GB/T9115.1-2000, optional (GB, HG, ANSI, DIN, BS, EN, JIS) standard production of flange. Rubber body to NR, EPDM, CR, IIR, NBR, VITON, etc.
2, the use of suspended water supply above DN200, the pipe must be fixed or fixed support bracket, or pull off device shall be installed.
3, When using rubber joints, the corresponding flange should be the valve flange or GB/T9115.1 (RF) flange.



KDF型可曲挠高压单球橡胶接头

KDF Flexible high pressure single sphere rubber joint



主要连接尺寸 Main connection dimensions

公称通径DN Nominal diameter DN		长度 Length L (mm)	轴向位移 Axial displacement		横向位移 Lateral displacement (mm)	偏转角度 (a1+a2) Deflexion angle
DN	inch		伸长 Extension	压缩 Compression		
50	2	105	7	10	10	15
65	2.5	115	7	13	11	15
80	3	135	8	15	12	15
100	4	150	10	19	13	15
125	5	165	12	19	13	15
150	6	185	12	20	14	15
200	8	210	16	25	22	15
250	10	230	16	25	22	15
300	12	245	16	25	22	15
350	14	255	16	25	22	15
400	16	255	16	25	22	15
450	18	255	16	25	22	15
500	20	255/290	16	25	22	15
600	24	260	16	25	22	15
700	28	260/300	16	25	22	15
750	30	260/300	16	25	22	15
800	32	260/300	16	25	22	15
900	36	260/300	16	25	22	15
1000	40	260/300/350	18	26	22	15
1100	44	300	18	26	22	15
1200	48	260/300	18	26	24	15
1300	51	300/400	18	26	24	15
1400	56	350/400	20	28	26	15
1500	60	350	20	35	26	15
1600	64	350	25	35	30	10
1800	72	400/450	25	35	30	10
2000	80	360/450	25	35	30	10
2200	88	420/450/500	25	35	30	10
2400	96	360/400/500	25	35	30	10
2600	104	450/500	25	35	30	10
2800	112	580	25	35	30	10
3000	120	500/550	25	35	30	10

注：1、特殊要求可按用户图纸制作，法兰标准采用GB/T9115.1-2000，可选配（GB、HG、ANSI、DIN、BS、EN、JIS、等）法兰标准生产。橡胶球体可做天然橡胶、三元乙丙橡胶、氯丁橡胶、丁基橡胶、丁晴橡胶、氟橡胶等。

2、悬空给水使用DN200以上产品，管道必须有固定支撑或固定托架，否则产品应安装防拉脱装置。

3、用户使用橡胶接头，对应法兰应是阀门法兰或符合GB/T9115.1（RF）法兰。

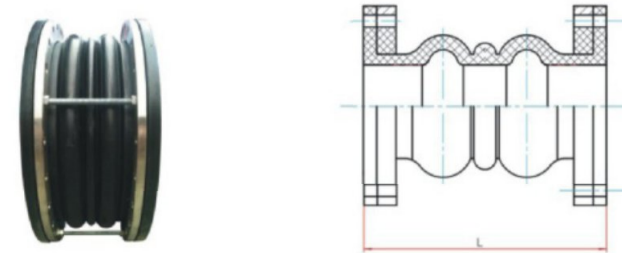
Note: 1, special requirements can be made according to user drawings, flange standard GB/T9115.1-2000, optional (GB, HG, ANSI, DIN, BS, EN, JIS) standard production of flange. Rubber body to NR, EPDM, CR, IIR, NBR, VITON etc.

2, the use of suspended water supply above DN200, the pipe must be fixed or fixed support bracket, or pull off device shall be installed.

3, When using rubber joints, the corresponding flange should be the valve flange or GB/T9115.1 (RF) flange.

KDF型可曲挠高压双球橡胶接头

KDF Flexible high pressure double sphere rubber joint



主要连接尺寸 Main connection dimensions

公称通径DN Nominal diameter DN		长度 Length L (mm)	轴向位移 Axial displacement		横向位移 Lateral displacement (mm)	偏转角度 (a1+a2) Deflexion angle
DN	inch		伸长 Extension (mm)	压缩 Compression (mm)		
500	20	400	35	50	35	20
600	24	400	35	50	35	20
650	26	330/400	35	50	35	20
700	28	400	35	50	35	20
750	30	400	35	50	35	20
800	32	400	35	50	30	20
900	36	400/450/500/600	35	60	30	20
1000	40	450/500	35	60	30	20
1200	48	450/500	35	60	30	20

注：1、特殊要求可按用户图纸制作，法兰标准采用GB/T9115.1-2000，可选配（GB、HG、ANSI、DIN、BS、EN、JIS、等）法兰标准生产。橡胶球体可做天然橡胶、三元乙丙橡胶、氯丁橡胶、丁基橡胶、丁晴橡胶、氟橡胶等。

2、悬空给水使用DN200以上产品，管道必须有固定支撑或固定托架，否则产品应安装防拉脱装置。

3、用户使用橡胶接头，对应法兰应是阀门法兰或符合GB/T9115.1（RF）法兰。

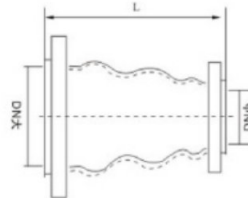
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2, the use of suspended water supply above DN200, the pipe must be fixed or fixed support bracket, or pull off device shall be installed.

3, When using rubber joints, the corresponding flange should be the valve flange or GB/T9115.1 (RF) flange.



JDX型异径橡胶接头 JDX type reducing rubber joint



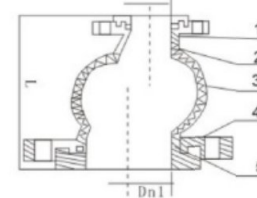
主要连接尺寸 Main connection dimensions

公称通径 Nominal diameter DN, XDN _y	长度 Length L (mm)	轴向位移 Axial displacement 伸长 Extension 压缩 Compression	横向位移 Lateral displacement (mm)	偏转角度 Deflexion angle (α ± α ₂) °
50x32	180	20	30	45 35°
50x40	180	20	30	45 35°
65x40	180	20	30	45 35°
65x50	180	20	30	45 35°
80x40	180	20	30	45 35°
80x50	180	20	30	45 35°
80x65	180	20	30	45 35°
100x40	180	20	30	45 35°
100x50	180	20	30	45 35°
100x65	180	22	30	45 35°
100x80	180	22	30	45 35°
125x50	200	22	30	45 35°
125x65	200	22	30	45 35°
125x80	200	22	30	45 35°
125x100	200	22	30	45 35°
150x50	200	22	30	45 35°
150x65	200	22	30	45 35°
150x80	200	22	30	45 35°
150x100	200	22	30	45 35°
150x125	200	22	30	45 35°
200x80	200	22	30	40 30°
200x100	200	22	30	40 30°
200x125	200	25	30	40 30°
200x150	200	25	35	40 30°

公称通径 Nominal diameter DN, XDN _y	长度 Length L (mm)	轴向位移 Axial displacement 伸长 Extension 压缩 Compression	横向位移 Lateral displacement (mm)	偏转角度 Deflexion angle (α ± α ₂) °
250x125	220	25	35	40 30°
250x150	220	25	35	40 30°
250x200	220	25	35	40 30°
300x125	220	25	35	40 30°
300x150	220	25	35	40 30°
300x200	220	25	35	40 30°
300x250	220	25	35	40 30°
350x150	240	25	35	40 30°
350x200	240	28	38	35 26°
350x250	240	28	38	35 26°
350x300	240	25	35	40 30°
400x200	240	25	35	40 30°
400x250	240	28	38	40 30°
400x300	240	28	38	40 30°
400x350	240	28	38	40 30°
450x300	240	28	38	40 30°
450x350	240	28	38	40 30°
450x400	240	28	38	40 30°
500x350	240	28	38	40 30°
500x400	240	28	38	40 30°
500x450	240	28	38	40 30°
600x400	240	28	38	40 30°
600x450	240	28	38	40 30°
600x500	240	28	38	40 30°

注：DN200以上接头，高压力、高层建筑使用，管道必须有固定支撑或固定托架，否则产品必须有防拉脱装置(产品实际轴向力<反支撑力)。
Note: The joints above DN200 used in high pressure and high building, anti-pull-off device should be installed if the pipe has no fixed stay or fixed bracket (actual axial force of the product is less than anti-supporting force)

JGD(KXT)型可曲挠偏心异径橡胶接头 JGD (KXT) type flexible rubber joints eccentric reducer



材料表 Materials Table

NO	名称 Name	材料 Material
1	外胶层 Outer	IR, CR, EPDM, NR, NBR
2	内胶层 Inner	IR, CR, EPDM, NR, NBR
3	骨架层 Skeleton	尼龙布 Nylon
4	法兰 Flange	Q235, 304 316L
5	加强圈 Ring	钢圈 Steel

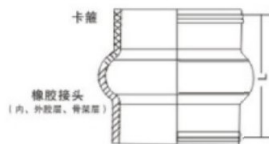
主要连接尺寸 Main connection dimensions

公称通径 Nominal diameter DN, XDN _y	长度 Length L (mm)	轴向位移 Axial displacement		横向位移 Lateral displacement (mm)	偏转角 Deflexion an (α ± α ₂)
		伸长 Extension	压缩 Compression		
50x32	180	20	30	45	350
50x40	180	20	30	45	350
65x40	180	20	30	45	350
65x50	180	20	30	45	350
80x40	180	20	30	45	350
80x50	180	20	30	45	350
80x65	180	20	30	45	350
100x40	180	20	30	45	350
100x50	180	20	30	45	350
100x65	180	22	30	45	350
100x80	180	22	30	45	350
125x50	200	22	30	45	350
125x65	200	22	30	45	350
125x80	200	22	30	45	350
125x100	200	22	30	45	350
150x50	200	22	30	45	350
150x65	200	22	30	45	350
150x80	200	22	30	45	350
150x100	200	22	30	45	350
150x125	200	22	30	45	350
200x80	200	22	30	40	300
200x100	200	22	30	40	300
200x125	200	25	30	40	300
200x150	200	25	35	40	300

公称通径 Nominal diameter DN,XDN _y	长度 Length L (mm)	轴向位移 Axial displacement		横向位移 Lateral displacement (mm)	偏转角度 Deflexion angle (α±α ₂)°
		伸长 Extension	压缩 Compression		
250x125	220	25	35	40	300
250x150	220	25	35	40	300
250x200	220	25	35	40	300
300x125	220	25	35	40	300
300x150	220	25	35	40	300
300x200	220	25	35	40	300
300x250	220	25	35	40	300
350x150	240	25	35	40	300
350x200	240	28	38	35	260
350x250	240	28	38	35	260
350x300	240	25	35	40	300
400x200	240	25	35	40	300
400x250	240	28	38	40	300
400x300	240	28	38	40	300
400x350	240	28	38	40	300
450x300	240	28	38	40	300
450x350	240	28	38	40	300
450x400	240	28	38	40	300
500x350	240	28	38	40	300
500x400	240	28	38	40	300
500x450	240	28	38	40	300
600x400	240	28	38	40	300
600x450	240	28	38	40	300
600x500	240	28	38	40	300



JGD(KXT)型卡箍式橡胶接头 JGD (KXT) type clamp rubber joint



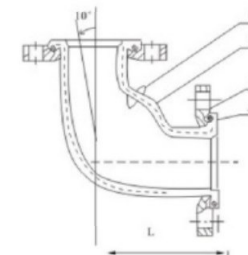
材料表 Materials Table

NO	名称 Name	材料 Material
1	外胶层 Outer	IR, CR, EPDM, NR, NBR
2	内胶层 Inner	IR, CR, EPDM, NR, NBR
3	骨架层 Skeleton	尼龙布 Nylon
4	卡 箍 Clamp	Q235, 304 316L

主要连接尺寸 Main connection dimensions

公称通径 DN Nominal diameter		长度 Length L (mm)	轴向伸长 Axial extension (mm)	轴向压缩 Axial compression (mm)	横向位移 Lateral displacement (mm)	偏转角度 Deflection angle ($\alpha_1 + \alpha_2$)°
DN	inch					
50	2	180	7	10	10	15°
65	2½	180	7	13	11	15°
80	3	180	8	15	12	15°
100	4	180	10	19	13	15°
125	5	180	12	19	13	15°
150	6	180	12	20	14	15°
200	8	200	16	25	22	15°
250	10	200	16	25	22	15°
300	12	200	16	25	22	15°
350	14	200	16	25	22	15°
400	16	200	16	25	22	15°
450	18	200	16	25	22	15°
500	20	200	16	25	22	15°
600	24	200	16	25	22	15°
700	28	200	16	25	22	10°
800	32	200	16	25	22	10°
900	36	200	16	25	22	10°
1000	40	200	18	25	22	10°
1200	48	200	18	25	24	10°
1400	56	200	20	26	24	10°
1600	64	200	25	26	26	10°
1800	72	200	20	26	26	10°
2000	80	200	20	26	26	10°

WTX型可曲挠橡胶弯头 WTX type flexible rubber bent



技术条件 Technical Conditions

型 号 Type	WTX-I	WTX-II	WTX-III
项 目 Item			
工作压力MPa(Kg f/cm²) Working Pressure	1.0(10)	1.6(16)	2.5(25)
爆破压力MPa(Kg f/cm²) Bursting pressure	2.0(20)	3.2(32)	4.5(45)
真空度KPa(mmHg) Vacuum	53.3(400)	86.7(650)	100(750)
适用温度℃ Applicable Temperature℃	-15~115, 特殊可达-30~250 -15~115, (for special conditions) it can be -30~250		
适用介质 Applicable Media	空气、压缩空气、水、海水、热水、油、酸、碱、溶剂 Air, compressed air, water, sea water, hot water, oil, acid and alkali etc.		

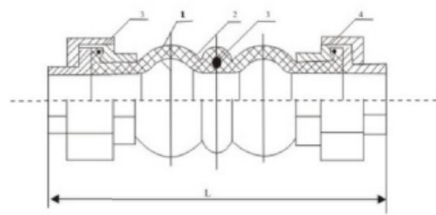
注：主要零件材料同JGD型 Note: material of main components is as same as JGD type

主要连接尺寸 Main connection dimensions

公称通径 DN Nominal diameter		长度 Length L (mm)	轴向伸长 Axial extension (mm)	轴向压缩 Axial compression (mm)	横向位移 Lateral displacement (mm)	偏转角度 Deflection angle ($\alpha_1 + \alpha_2$)°
DN	inch					
50	2	150	20	20	16	20°
65	2½	150	20	20	16	20°
80	3	160	20	20	16	20°
100	4	170	20	20	16	20°
125	5	200	20	20	16	20°
150	6	230	20	20	16	20°
200	8	265	20	20	16	20°
250	10	280	20	20	16	20°
300	12	320	20	20	16	20°



JGD-B型丝扣连接橡胶接头 JGD-B Threaded type rubber joint



各部分材质 Material of all parts

序号 No	名称 Name	材料 Material
1	内、外层胶 Outer/inner rubber	NR, NBR, EPDM
2	主体骨架 Key frame	尼龙带布 Nylon Cord Fabric
3	加压环 Pressurized ring	钢丝绳 Steel wire
4	螺纹活接头 Thread woggle joint	可锻铸铁 Forged cast iron

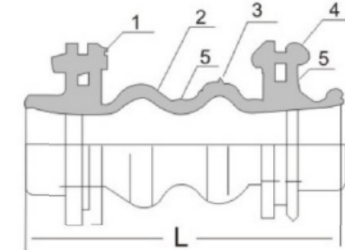
技术条件 Technical Conditions

工作压力 Working Pressure	1.6MPa(16Kg f/cm ²)	偏转角度 Deflexion angle	(α, +α)45°
爆破压力 Bursting pressure	4.8MPa(48Kg/cm ²)	真空度 vacuum	53.3KPa(400mmHg)
适用温度 Applicable Temperature℃	-15~+115℃, 特殊可达-30~+250℃ -15~115℃, (for special conditions) it can be -30~+250℃		
适用介质 Applicable Media	水、海水、热水、空气、压缩空气、油、酸、碱等化学物质 Water, sea water, hot water, air, compressed air, oil, acid, alkali etc.		

主要连接尺寸 Main connection dimensions

公称通径DN Nominal diameter		长度 L Length (mm)	轴向位移 Axial displacement		横向位移 Lateral displacement (mm)	偏转角度 Deflexion angle (α, +α)°
DN	inch		伸长Extension(mm)	压缩Compression(mm)		
15	1/2	203	5-6	22	22	45°
20	3/4	203	5-6	22	22	45°
25	1	203	5-6	22	22	45°
32	1 1/4	203	5-6	22	22	45°
40	1 1/2	203	5-6	22	22	45°
50	2	203	5-6	22	22	45°
65	2 1/2	240/265	8-10	24	24	45°
80	3	240/285	8-10	24	24	45°

JGD-B型限位螺纹连接橡胶接头 JGD-B threaded type rubber joint



各部分材质 Material of Parts

项目 Item	零件名称 Part Name	材料 Material
1	法兰螺栓 Bolt on flange	可锻铸铁 Malleable Iron
2	关键帧 Key frame	尼龙绳织物 Nylon cord fabric
3	外/内橡胶 Outer / Inner rubber	氯丁橡胶、丁腈橡胶、三元乙丙橡胶 Neoprene, NBR, EPDM
4	螺栓/螺母 Bolts / Nuts	低碳钢 LOW carbon steel
5	增压环 Pressurized ring	钢丝 Steel wire

工作压力和温度 WORKING PRESSURE AND TEMPERATURE

工作压力：232 psi/16 bar

Working Pressure : 232 psi/ 16 Bar

爆破压力：696 psi/48 bar

Bursting Pressure : 696 psi/ 48 Bar

真空等级：400 mmHg

Vacuum Rating : 400 mmHg

三元乙丙橡胶的温度为-10℃至90℃。 Temperature from -10℃ to 90℃for EPDM

NBR的温度为-10℃至80℃。

Temperature from -10℃ to 80℃for NBR

氯丁橡胶温度-10℃至90℃

Temperature from -10℃ to 90℃for Neoprene

介质：空气、水、油、酸、碱、海水

Medium : Air, Water, Oil, Acid, Alkali, Sea-water

主要连接尺寸 Main connection dimensions

公称通径DN Nominal diameter		长度 L Length L (mm)	轴向位移 Axial displacement		横向位移 Lateral displacement (mm)	偏转角度 Deflexion angle (α, +α)°
DN	inch		伸长Extension	压缩Compression		
15	1/2	203	5-6	22	22	45°
20	3/4	203	5-6	22	22	45°
25	1	203	5-6	22	22	45°
32	1 1/4	203	5-6	22	22	45°
40	1 1/2	203	5-6	22	22	45°
50	2	203	5-6	22	22	45°
65	2 1/2	265	8-10	24	24	45°
80	3	285	8-10	24	24	45°



负压橡胶接头

Negative pressure rubber joint



负压橡胶接头是能够顶吸力的橡胶接头，简单的说就是外压大于内压(橡胶接头\软接头\橡胶减震器\避震喉)：1、耐负压橡胶接头橡胶接头根据材料不同可制成耐酸、耐碱、耐腐蚀、耐油、耐热等各个品种橡胶接头，橡胶接头适应多种介质和环境。3、橡胶接头材料属极性橡胶，橡胶接头密封性好，橡胶接头重量轻，橡胶接头安装维修方便、橡胶接头使用寿命长，橡胶接头但避免与锋利金属器械接触，以免刺破橡胶接头球体。4、橡胶接头如架空使用可配弹性支架，橡胶接头安装时螺栓要用对角法上紧。5、橡胶接头如管路压力过高时，橡胶接头应用极限螺栓将两端法兰连一起。6、橡胶接头法兰连接标准采用GB4216.3—4216.5标准，可另行说明。本产品工作压力等级0.6Mpa, 1 Mpa、1.6 Mpa、2.5 Mpa。在真空使用可使用负压球体。以免球体变形，受损。

Negative pressure rubber connector is a rubber joints to resist suction, when the external pressure is greater than the internal pressure (rubber joint head \ soft joint rubber shock absorber), laryngeal: 1 negative pressure resistant rubber joint rubber made of different materials can be made resist to Acid and alkali, corrosion, oil, heat and a variety of media and the environment. 3, rubber joint material is a polar rubber, rubber joint is sealing well and light weight, rubber joint installation is Convenient. It has long service life it shall avoid contact with sharp metal instruments, so as not to puncture the rubber ball joint. 4, rubber joints installed overhead can use elastic support, rubber joint installation shall be bolted by diagonal Method of tightening. 5, rubber joints use connection adopt Grade 0.6Mpa, 1 and damage.

衬四氟橡胶接头

PTFE-lined rubber joint

衬四氟橡胶接头

PTFE-lined rubber joint



衬四氟可曲挠橡胶接头具有减振、耐高温、能挠曲、耐摩擦等特点。适用于管道错位差、位移、尺寸变化及振动部位连接。可作储罐、槽车等设备的给、排料管，还可作其它特殊之用。其使用范围较广泛，作用较全面。衬氟橡胶接头的四氟具有优良的化学稳定性、耐腐蚀性，是当今世界上耐腐蚀性能最佳材料之一，除熔融金属钠和液氟外，能耐其它一切化学药品，在王水中煮沸也不起变化，广泛应用于各种需要抗酸碱和有机溶剂的。密封性、高润滑不粘性、电绝缘性和良好的抗老化耐力、耐温优异（能在+250℃至-180℃的温度下长期工作）。衬氟橡胶接头适用于各种介质的管道连接。

衬四氟橡胶接头具有良好的耐酸碱、耐腐蚀性能，可以用在各种强酸强碱等介质管道中，在一些化工管道和制药工业中具有重要的作用。

PTFE lined flexible rubber joint has vibration resistance, high temperature resistance, flexural resistance and friction resistance. It is suitable for connection of tubing misplacement with difference, size change and vibration parts. It can be used as Inlet and outlet of storage tank. Tanker truck and other equipment for special use. The application range is wide and comprehensive. PTFE rubber joint has excellent chemical stability, corrosion resistance. It is one of the best corrosion resistant material in the world, except the molten metal and liquid sodium, it has resistance to all other chemicals. It has been widely used in anti acid and alkali, organic solvents. Its good performance of sealing, high viscosity lubrication, electric resistance, good anti-aging quality and low temperature resistance (from +250℃ to -180℃) make it the best choice for all kind of media in pipe connection. It plays an important role in many chemical pipes and acid industry.

橡胶缓闭逆止阀（鸭嘴阀）

Slow closing check valve rubber (duckbill valve)

产品简介

橡胶缓闭逆止阀是一种全橡胶结构、外形呈“鸭嘴状”、具有“正向流入，反向逆止”功能的新型给排水阀门产品。它根据受力分析和受力计算，针对不同的工况，采用不同的设计机理，选用不同的橡胶配方，并按特殊工艺制作而成。正向工作时，水由进水口流入，微小的水压，便能打开阀门，水压越大，阀门开启越大，水流量越大。反向工作时，阀门自然关闭，密封逆止，背压越大，阀门越紧，密封效果越好。它广泛用于市政、水利、污水处理等各种出水排放口，防止倒灌、倒流是取代拍门的理想产品。

Product profile

Rubber slow closing check valve is a rubber structure, shape "duckbill", with "forward flow, reverse check" function of the new water supply and drainage valves. It according to the stress analysis and stress calculation, according to the different working conditions, different design mechanism is adopted, different rubber formula is selected, and the special process is adopted. Forward work As for the water flow from the inlet, the tiny water pressure, can open the valve, the water pressure is large, the valve opening is greater, the greater the flow of water. Reverse operation, the valve port closed naturally. Seal check, the greater the back pressure, the more tight the valve port, the better the sealing effect. It is widely used in municipal, water conservancy, sewage treatment and other water outfall, prevent backflow, backflow is the ideal product to replace the door.



XH81型
弯嘴式橡胶排污止回阀



XH81A型橡胶排污止回阀

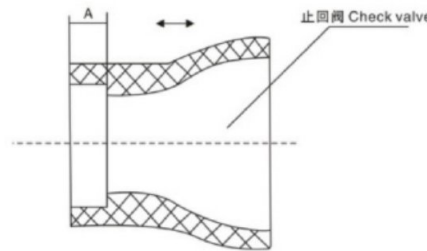


XH41型
卡箍式橡胶排污止回阀

产品特点

与传统拍门比较，优势特别明显：

- A、根据水压差自动开启和关闭，安全可靠，无噪音，无需人员操作—无需维护；
- B、正向开启水阻力小，启动压力小，且流量根据水压自然调节；
- C、反向逆止密封好，没有渗漏，防止了倒流，背压越大，效果越佳；
- D、防腐、防老化、适应性强、使用寿命长；
- E、尺寸范围广，公称直径DN20至DN2400。



适用范围

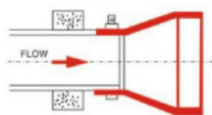
- 1、该产品性能卓越，适用范围广
1, the product performance, wide range of application
- 2、适用于污水系统
2, suitable for sewage system
- 3、适用于排放系统
3, suitable for emission system
- 4、适用于堤坝系统
4, suitable for dam system
- 5、适用于机场、高速公路排水
5, suitable for airport, highway drainage
- 6、适用于下水道排放
6, suitable for sewer discharge
- 7、适用于污水排放
7, suitable for sewage discharge
- 8、气味阻隔
8, odor barrier



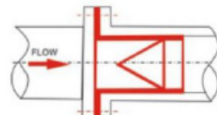
配合管道口径 Fit pipe diameter	阀门台阶 (A) Valve step (A)	管道连接 (B) Pipe connections (B)
1/2"~3/4"	15	15
1"~1 1/4"	20	20
1 1/2"~2 1/2"	25	25
3"	40	40
4"	50	50
6"	50	50
8"	50	50
10"	50	50
12"~14"	100	100
16"~20"	150	150
24"~36"	200	200
42"	250	250
48"~60"	300	300
72"	400	400

说明: DN800-1800 (32"-72") 双包箍 Note: DN800-1800 (32"-72") double hoops

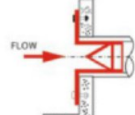
安装结构示意图



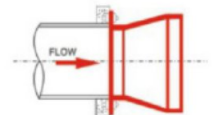
安装方式: 套接式
安装位置: 安装在排水管的出口
Installation: sleeve type
Installation position: installed in the drain outlet



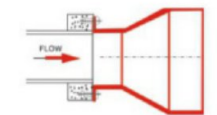
安装方式: 镶嵌式
安装位置: 安装于城市雨水污水管道中间
Installation: Mosaic
Installation location: installed in the middle of the city rainwater sewer



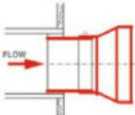
安装方式: 内置式
安装位置: 安装于城市雨水污水和系统出口处
Installation: built-in
Installation location: at the end of the urban rainwater and sewage system



安装方式: 法兰式
安装位置: 安装在排水管道法兰的出口末端
Installation: flange type
Installation position: at the outlet end of the drain pipe with flange



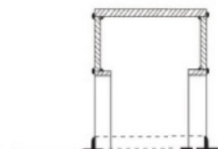
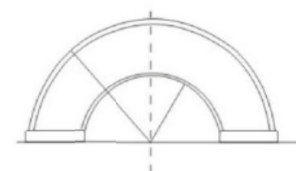
安装方式: 安装板式
安装位置: 安装于出水末端建筑物上
Installation: installation plate
Installation position: installed on the end of the water



安装方式: 灰浆或水泥管道式
安装位置: 安装于灰浆或水泥管道的末端
Installation: mortar or cement pipe type
Installation position: terminal installed in the pipeline or cement mortar



可曲挠橡胶接头埋地防护装置 Flexible rubber joint buried protective device



可曲挠橡胶接头埋地的防护装置, 周边留有充足空间, 绝不影响橡胶接头的位移性能, 又能使橡胶接头与外部填土隔离, 还能使管道在该装置两端自由滑动, 不产生任何阻力。管线安装完毕后经回填夯实地面照样平整如初。车辆行使、堆放重物或安装设备不受任何影响。

此埋地装置为两个半圆形中空组合而成, 将橡胶头和管道平焊法兰全部装入体内, 两端设有两半圆形小平面带钢骑于两侧法兰外管理, 两端立面支撑根据土层深度而定, 足以承受外压负重。该装置配有一定数量对台锁紧螺栓, 以备安装完毕后装备, 其安装方法为: 安装橡胶接头→保护装置内涂防锈漆→安装下部1/2保护装置→放上上部1/2保护装置→旋紧对台锁紧螺栓 (注意安装时要使橡胶接头确保处于装置中心位置)→保护装置外涂防锈漆回填原土, 下部捣实, 上部夯实→三合土和 垫层→铺设地面 (最好在适当位置设有永久性标志, 以备后检查更换确定位置)。

特别提醒注意: 订货时务必提供埋地深度, 以便我们为您设制合理的保护装置。该保护装置只要在安装时表面防腐处理做好, 一般可使用30年以上。

The protective device of flexible rubber joint buried in shall leave enough space and not affect the displacement of performance of the rubber joint. It shall be able to isolate the rubber joint from the earth covered on it, but also allow the pipelines free sliding movement on both sides of the rubber joint without any resistance. after pipelines are installed, the ground shall be filled flat and hammered solid to withstand the vehicles driving or heavy storage or equipment mounting for future use.

The buried device is made of two half circular hollow cylinders. the rubber joint and flat welding flanges are all put in the body of the protective device. two small round plates are provided on both ends to manage the steel flanges. both ends supporting shall be defined by the soil depth above the buried part so that it can withstand the pressure on it. a certian number of bolts are equipped for post installation. installation procedures are as below: install the rubber joint protective device; paint antirust painting in the inner of the protective device, put the lower 1/2 device on right position, put on the upper 1/2 device; bolt and tighten the device. please make sure the rubber joint is in the center middle of the protective device; paint the anti rust coating on the outer of the protective device, refill the earth in ground, tamping the earth on the ground. preferably to set up a permanent mark on proper position for future check and replacement.

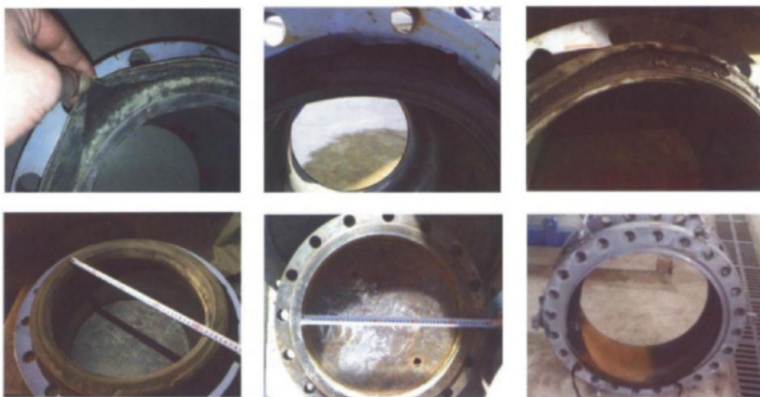
Please provide buried depth when ordering, so the proper setup of the protective device can be provided. the protective device can last 30 years as long as the anti-corrosion is well treated.



可曲挠合成橡胶接头安装说明 Installation Instructions for Flexible Rubber Joints

- 一、可曲挠合成橡胶接头在安装时，严禁超位移极限安装。
- 二、1.0MPa以上地面横向、悬空、垂直安装橡胶接头，管道两端应有固定支撑或固定托架，以防拉脱或破坏设施。
- 三、固定支撑或固定托架的力，必须大于工作的轴向力，否则应安装防拉脱装置。
- 四、安装可曲挠合成橡胶接头的对应法兰，应按标准GB/T9115.1 (RF) 法兰(即小口径法兰)，以防法兰D2、do尺寸过窄，出现密封面漏水。
- 五、安装可曲挠合成橡胶接头法兰螺栓，要对称逐步加压拧紧，以防承压出现局部泄漏或破坏可曲挠合成橡胶接头的密封面。
- 六、1.0MPa以上工作压力，垂直、悬空使用橡胶接头，安装螺栓要有弹垫，以防工作时螺栓松动，造成局部漏水，渗水。
- 七、垂直安装，可曲挠合成橡胶接头应有固定支撑，严禁橡胶接头受重压。

1. When installing flexible synthetic rubber joints, it is strictly forbidden to install them beyond the limit of displacement.
2. Rubber joints shall be installed horizontally, suspended and vertically on the ground above 1.0 Mpa. Fixed supports or brackets shall be provided at both ends of the pipeline to prevent pull-off or ring breakage.
3. The force of fixed support or fixed bracket must be greater than the axial force of work, otherwise anti-pull-off device should be installed.
4. Installation of flanges corresponding to flexible synthetic rubber joints shall be in accordance with standard GB/T9115.1 (RF) flanges (i.e. small-caliber flanges) in order to prevent flange D2, do size from being too narrow and leakage of sealing surface.
5. Install flange bolts of flexible synthetic rubber joints, and tighten them symmetrically step by step to prevent local leakage of pressure or damage the sealing surface of flexible synthetic rubber joints.
6. Over 1.0 MPa working pressure, rubber joints are used vertically and in suspension. Installation bolts should have cushions to prevent loosening of bolts, causing local leakage and water leakage.
7. Vertical installation. Flexible synthetic rubber joints should be supported by fixed supports. Heavy pressure on rubber joints is strictly prohibited.



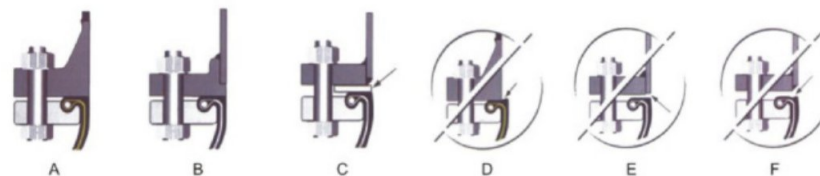
注明：请严格按照安装要求使用可曲挠橡胶接头，如果因为安装不当造成任何后果，工厂不承担责任。
Note: Please use flexible rubber joints in strict accordance with the installation requirements, the factory is not responsible if there are any consequences due to improper installation.

橡胶接头理化数据 Physical and Chemical Data of Rubber Joints

- 一、抗疲劳系数(轴向往复1000次) ; ≥ 0.85 注:长度缩短20%
- 二、拉伸强度(MPa)内外胶平均 ≥ 12.5
- 三、热空气老化拉变率, 内外 $\pm 25\%$ (100Cx48h) 扯变率 内外 $\pm 15\%$
- 四、耐酸系数10%H₂SO₄X168h 室温 ≥ 0.7
- 五、耐碱系数10%NaOHx168h 室温 ≥ 0.7
- 六、扯断伸长率(%) ≥ 450

1. Anti-fatigue coefficient (1000 axial reciprocating times); > 0.85 Note: Length shortened by 20%.
2. Tensile Strength (MPa) Average of Inside and Outside Adhesives (> 12.5)
3. Tensile strain rate of hot air aging, internal and external ($\pm 25\%$) (100Cx48h) and internal and external ($\pm 15\%$).
4. Acid resistance coefficient 10% H₂SO₄X168h room temperature (> 0.7)
5. Alkali Resistance Coefficient 10% NaOHx168h Room Temperature (> 0.7)
6. elongation at break (%) greater than 450

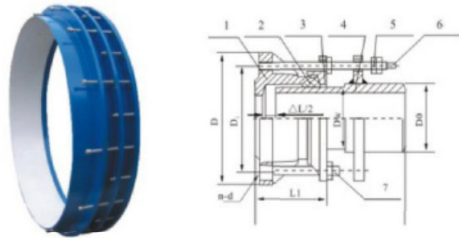
请选择正确的法兰 Please choose the right flange



- A. 采用正确的配套法兰防止损坏橡胶密封封面
- B. 正确采用的焊颈法兰防止损坏橡胶密封封面
- C. 采用大口内径平焊法兰时应安装一个小口径金属垫片可以防止损坏橡胶
- D. 法兰不能与橡胶密封面完全密封，冲洗橡胶
- E. 不平衡端管对橡胶密封面造成损坏
- F. 法兰内边缘损坏橡胶密封封面
- A. Uses the correct supporting flange to prevent damage to the rubber seal cover
- B. Correctly use welding neck flange to prevent damage to rubber seal surface
- C. Big diameter flange should be installed on a small caliber metal gasket to prevent damage of rubber
- D. Flange can not be completely sealed with rubber seal surface, rinse rubber
- E. Uneven pipe end damage to rubber sealing surface
- F. Damage of rubber sealing surface at the inner edge of flange



VSSJA-1(BF)型单法兰松套限位伸缩接头 VSSJA-1 (BF) single flange limited telescopic joint



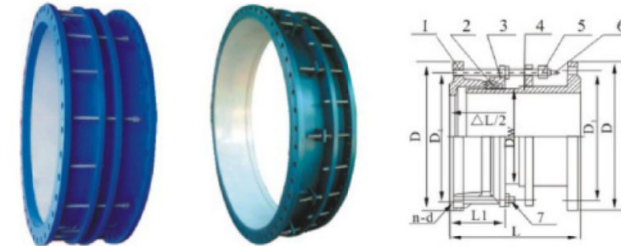
序号 No	名称 Name	数量 Quantity	材料 Material
1	本体 Valve body	1	QT450-10, Q235A
2	密封圈 Gasket	1	NBR/EPDM/CR
3	压盖 Follower	1	QT450-10, Q235A
4	限位短管 Limited short pipe	1	Q235A
5	螺母 Nut	4n	Q235A, 20#
6	长螺栓 Long stud	n	Q235A, 35#
7	短螺栓 Short stud	n	Q235A, 35#

主要连接尺寸 Main connection dimensions

公称口径DN Nominal diameter	管子外径Dw External diameter of pipe		外形尺寸 External dimension		伸缩量 ▲ L Compensation length	法兰连接尺寸 Flange connection size								
	Dw	Do	L	L ₁		0.6MPa			1.0MPa					
						D	D ₁	n-do	D	D ₁	n-do			
65	76	76	340	105	50	160	130	4-φ14	185	145	4-φ18			
80	89	89				190	150	4-φ18	200	160	8-φ18			
100	108	108				210	170		220	180				
100	114	114				210	170		220	180				
125	133	133				240	200	8-φ18	250	210	8-φ22			
125	140	140				240	200		250	210				
150	159	159				265	225		285	240				
150	168	168				265	225		285	240				
200	219	219				350	130	65	320	280	12-φ18	340	295	12-φ22
250	273	273							375	335	395	350		
300	325	325	440	395	445				400					
350	377	377	490	445	505				460					
400	426	426	540	495	565				515	16-φ22				
450	480	480	595	550	615				565	20-φ26				
500	530	530	645	600	20-φ22				670	620	20-φ26			
600	630	630	755	705	20-φ26				780	725	20-φ30			
700	720	720	860	810	24-φ26				895	840				
800	820	820	975	920	24-φ30				1015	950				
900	920	920	1075	1020	28-φ30	1115	1050	24-φ33						
1000	1020	1020	590	220	130	1175	1120	32-φ30	1230	1160	28-φ33			
1200	1220	1220				1405	1340	32-φ33	1455	1380	28-φ36			
1400	1420	1428				1630	1560	36-φ36	1675	1590	32-φ40			
1500	1520	1528				1730	1660	36-φ36	1875	1780	36-φ42			
1600	1620	1628				1830	1760	40-φ36	1915	1820	40-φ48			
1800	1820	1828				2045	1970	44-φ40	2115	2020				
2000	2020	2030				2265	2180	48-φ42	2325	2230				
2200	2220	2230				2475	2390	52-φ42	2550	2440		48-φ48		
2400	2420	2430				2685	2600	56-φ42	2760	2650	52-φ56			
2600	2620	2630				2905	2810	60-φ48	2960	2850	56-φ56			
2800	2820	2830	3115	3020	64-φ48	3180	3070	60-φ56						
3000	3020	3030	3315	3220	68-φ48	3405	3290	64-φ56						
3200	3220	3230	3525	3430	72-φ48			68-φ60						
3400	3420	3430	3735	3640	76-φ48									
3600	3620	3630	3970	3860	80-φ56									

注：本尺寸符合GB/T12465-2007标准 Note: the size meets standard GB/T12465-2007.

VSSJA-2(B2F)型双法兰松套限位伸缩接头 VSSJA-2 (B2F) double flange limited telescopic joint



序号 No	名称 Name	数量 Quantity	材料 Material
1	本体 Valve body	1	QT450-10, Q235A
2	密封圈 Gasket	1	NBR/EPDM/CR
3	压盖 Follower	1	QT450-10, Q235A
4	限位短管 Limited short pipe	1	Q235A
5	螺母 Nut	4n	Q235A, 20#
6	长螺栓 Long stud	n	Q235A, 35#
7	短螺栓 Short stud	n	Q235A, 35#

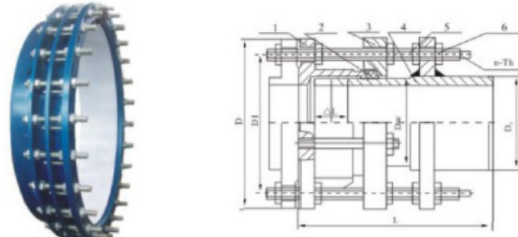
主要连接尺寸 Main connection dimensions

公称通径DN Nominal diameter	管子外径DW External diameter of pipe	外形尺寸 External dimension		伸缩量 ▲ L Compensation length	法兰连接尺寸 Flange connection size								
		L	L ₁		0.6MPa			1.0MPa					
					D	D ₁	n-do	D	D ₁	n-do			
65	76	340	105	50	160	130	4-φ14	185	145	4-φ18			
80	89				190	150		200	160				
100	108				210	170	4-φ18	220	180	8-φ18			
100	114				210	170		220	180				
125	133				240	200		250	210				
125	140				240	200		250	210				
150	159				340	105	50	265	225	8-φ18	285	240	8-φ22
150	168							265	225		285	240	
200	219							320	280		340	295	
250	273							375	335	12-φ18	395	350	12-φ22
300	325	440	395	12-φ22				445	400				
350	377	490	445					505	460	16-φ22			
400	426	540	495	16-φ22				565	515	16-φ26			
450	480	595	550					615	565	20-φ26			
500	530	645	600	20-φ22				670	620	20-φ26			
600	630	755	705	20-φ26				780	725	20-φ30			
700	720	860	810	24-φ26	895	840	24-φ30						
800	820	975	920	24-φ30	1015	950	24-φ33						
900	920	1075	1020	28-φ30	1115	1050	28-φ33						
1000	1020	1175	1120	32-φ33	1230	1160	28-φ36						
1200	1220	1405	1340	36-φ36	1455	1380	32-φ40						
1400	1420	1630	1560	40-φ36	1675	1590	36-φ42						
1500	1520	1730	1660	44-φ40	1915	1820	40-φ48						
1600	1620	1830	1760	48-φ42	2115	2020	44-φ48						
1800	1820	2045	1970	52-φ42	2325	2230	48-φ48						
2000	2020	2265	2180	56-φ42	2550	2440	52-φ56						
2200	2220	2475	2390	60-φ48	2760	2650	56-φ56						
2400	2420	2685	2600	64-φ48	2980	2850	60-φ56						
2600	2620	2905	2810	68-φ48	3180	3070	64-φ56						
2800	2820	3115	3020	72-φ48	3405	3290	68-φ60						
3000	3020	3315	3220	76-φ48									
3200	3220	3525	3430	80-φ56									
3400	3420	3735	3640										
3600	3620	3970	3860										

注：本尺寸符合GB/T12465-2007标准 Note: the size meets standard GB/T12465-2007.



VSSJAFG(CF)型单法兰松套传力接头 VSSJAFG (CF) single flange dismantling joint



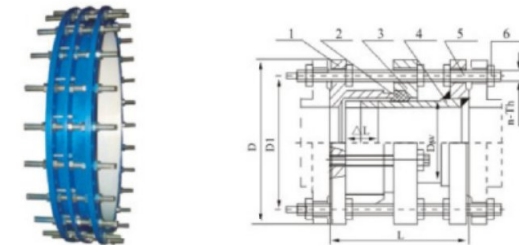
序号 No.	名称 Name	数量 Quantity	材料 Material
1	本体 Valve body	1	QT450-10, Q235A
2	密封圈 Gasket	1	NBR/EPDM/CR
3	压盖 follower	1	QT450-10, Q235A
4	限位短管 limited short pipe	1	Q235A
5	螺栓 bolt	n	Q235A, 35#
6	螺母 nut	Tn	Q235A, 20#

主要连接尺寸 Main connection dimensions

公称通径DN Nominal diameter	管子外径DW External diameter of pipe		外形尺寸 External dimension		法兰连接尺寸 Flange connection size							
	DW	Do	L	▲L	0.6MPa				1.0MPa			
					D	D _i	n-Th.	b	D	D _i	n-Th.	b
65	76	76	400	40	160	130	4-M12	16	185	145	4-M16	20
80	89	89			190	150	4-M16	18	200	160	8-M16	22
100	114	114			210	170		18	220	180		24
125	140	140			240	200		20	250	210		26
150	168	168			265	225	8-M16	20	285	240	8-M20	26
200	219	219	420	50	320	280		22	340	295		28
250	273	273			375	335		24	395	350		28
300	325	325			440	395	12-M20	24	445	400	12-M20	28
350	377	377			490	445		26	505	460		30
400	426	426			540	495		28	565	515	16-M24	32
450	480	480	440	60	595	550	16-M20	28	615	565		32
500	530	530			645	600		30	670	620		34
600	630	630			755	705	20-M24	30	780	725	20-M27	36
700	720	720			860	810	24-M24	32	895	840	24-M27	40
800	820	820	600	80	975	920	24-M27	34	1015	950	24-M30	44
900	920	920			1075	1020	24-M27	36	1115	1050	28-M30	46
1000	1020	1020			1175	1120	28-M27	36	1230	1160	28-M33	50
1200	1220	1220			1405	1340	32-M30	40	1455	1380	32-M36	56
1400	1420	1428			1630	1560	36-M33	44	1675	1590	36-M39	62
1600	1620	1628	630	60	1830	1760	40-M33	48	1915	1820	40-M45	68
1800	1820	1828			2045	1970	44-M36	50	2115	2020	44-M45	70
2000	2020	2030			2265	2180	48-M39	54	2325	2230	48-M45	74
2200	2220	2230			2475	2390	52-M39	60	2550	2440	52-M52	80
2400	2420	2430			2685	2600	56-M39	62	2760	2650	56-M52	82
2600	2620	2630	650	80	2905	2810	60-M45	64	2960	2850	60-M52	88
2800	2820	2830			3115	3020	64-M45	68	3180	3070	64-M52	94
3000	3020	3030			3315	3220	68-M45	70	3405	3290	68-M56	100
3200	3220	3230			3525	3430	72-M45	76				

注：本尺寸符合GB/T12465-2007标准 Note: the size meets standard GB/T12465-2007.

VSSJAF(C2F)型双法兰松套传力接头 VSSJAF (C2F) double flange dismantling joint



序号 No.	名称 Name	数量 Quantity	材料 Material
1	本体 Valve body	1	QT450-10, Q235A
2	密封圈 Gasket	1	NBR/EPDM/CR
3	压盖 follower	1	QT450-10, Q235A
4	限位短管 limited short pipe	1	Q235A
5	螺栓 stud	n	Q235A, 35#
6	螺母 nut	Tn	Q235A, 20#

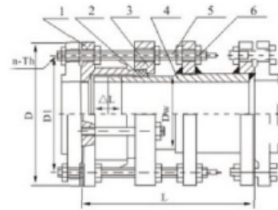
主要连接尺寸 Main connection dimensions

公称通径DN Nominal diameter	管子外径DW External diameter of pipe		外形尺寸 External dimension		法兰连接尺寸 Flange connection size							
	DW	Do	L	▲L	0.6MPa				1.0MPa			
					D	D _i	n-Th.	b	D	D _i	n-Th.	b
65	76	76	200	40	160	130	4-M12	16	185	145	4-M16	20
80	89	89			190	150	4-M16	18	200	160	8-M16	22
100	114	114			210	170		18	220	180		24
125	140	140			240	200		20	250	210		26
150	168	168			265	225	8-M16	20	285	240	8-M20	26
200	219	219	220	50	320	280		22	340	295		28
250	273	273			375	335		24	395	350		28
300	325	325			440	395	12-M20	24	445	400	12-M20	28
350	377	377			490	445		26	505	460		30
400	426	426			540	495		28	565	515	16-M24	32
450	480	480	240	60	595	550	16-M20	28	615	565		32
500	530	530			645	600		30	670	620		34
600	630	630			755	705	20-M24	30	780	725	20-M27	36
700	720	720			860	810	24-M24	32	895	840	24-M27	40
800	820	820	350	80	975	920	24-M27	34	1015	950	24-M30	44
900	920	920			1075	1020	24-M27	36	1115	1050	28-M30	46
1000	1020	1020			1175	1120	28-M27	36	1230	1160	28-M33	50
1200	1220	1220			1405	1340	32-M30	40	1455	1380	32-M36	56
1400	1420	1420			1630	1560	36-M33	44	1675	1590	36-M39	62
1600	1620	1620	370	60	1830	1760	40-M33	48	1915	1820	40-M45	68
1800	1820	1820			2045	1970	44-M36	50	2115	2020	44-M45	70
2000	2020	2020			2265	2180	48-M39	54	2325	2230	48-M45	74
2200	2220	2220			2475	2390	52-M39	60	2550	2440	52-M52	80
2400	2420	2420			2685	2600	56-M39	62	2760	2650	56-M52	82
2600	2620	2620	400	80	2905	2810	60-M45	64	2960	2850	60-M52	88
2800	2820	2820			3115	3020	64-M45	68	3180	3070	64-M52	94
3000	3020	3020			3315	3220	68-M45	70	3405	3290	68-M56	100
3200	3220	3220			3525	3430	72-M45	76				

注：本尺寸符合GB/T12465-2007标准 Note: the size meets standard GB/T12465-2007.



VSSJ AFC(CC2F)型可拆式双法兰松套传力接头 VSSJ AFC (CC2F) double flange dismantling joint



序号 No.	名称 Name	数量 Quantity	材料 Material
1	本体 Valve body	1	QT450-10、Q235A
2	密封圈 Gasket	1	NBR/EPDM/CR
3	压盖 follower	1	QT450-10、Q235A
4	限位短管 limited short pipe	1	Q235A
5	螺栓 stud	n	Q235A、35#
6	螺母 nut	Sn	Q235A、20#

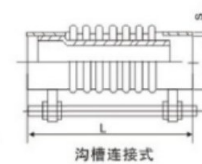
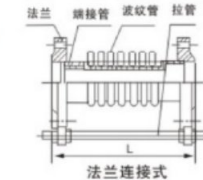
主要连接尺寸 Main connection dimensions

公称口径 DN Nominal diameter	管子外径 DW External diameter of pipe	外形尺寸		法兰连接尺寸 Flange connection size							
		L	▲L	0.6MPa				1.0MPa			
				D	D ₁	n-Th.	b	D	D ₁	n-Th.	b
65	76	400	40	160	130	4-M12	16	185	145	4-M16	20
80	89			190	150	4-M16	18	200	160	8-M16	22
100	114			210	170		18	220	180		24
125	140			240	200	8-M16	20	250	210	8-M20	26
150	168			265	225		20	285	240		26
200	219			320	280		22	340	295		28
250	273			375	335	12-M16	24	395	350	12-M20	28
300	325			440	395	12-M20	24	445	400	12-M20	28
350	377			490	445		26	505	460	16-M20	30
400	426	420	50	540	495	16-M20	28	565	515	16-M24	32
450	480			595	550		28	615	565	20-M24	32
500	530			645	600	20-M20	30	670	620	20-M24	34
600	630			755	705	20-M24	30	780	725	20-M27	36
700	720			860	810	24-M24	32	895	840	24-M27	40
800	820			975	920	24-M27	34	1015	950	24-M30	44
900	920			1075	1020	24-M27	36	1115	1050	28-M30	46
1000	1020			1175	1120	28-M27	36	1230	1160	28-M33	50
1200	1220			1405	1340	32-M30	40	1455	1380	32-M36	56
1400	1420			1630	1560	36-M33	44	1675	1590	36-M39	62
1600	1620	670	60	1830	1760	40-M33	48	1915	1820	40-M45	68
1800	1820			2045	1970	44-M36	50	2115	2020	44-M45	70
2000	2020			2265	2180	48-M39	54	2325	2230	48-M45	74
2200	2220			2475	2390	52-M39	60	2550	2440	52-M52	80
2400	2420			2685	2600	56-M39	62	2760	2650	56-M52	82
2600	2620			2905	2810	60-M45	64	2960	2850	60-M52	88
2800	2820			3115	3020	64-M45	68	3180	3070	64-M52	94
3000	3020			3315	3220	68-M45	70	3405	3290	68-M56	100
3200	3220			3525	3430	72-M45	76				

注：本尺寸符合GB/T12465-2007标准 Note: the size meets standard GB/T12465-2007.

JDZ内压轴向型波纹补偿器

JDZ Internal Pressure Axial Corrugation Compensator
GB/T 12777-2008

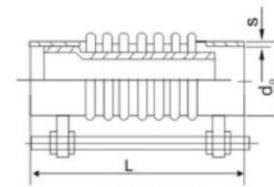


设计温度: -20℃ ~ +400℃
设计压力: 0.25Mpa ~ 2.5Mpa
型号标注: JDZ
位移方向: 轴向
(少量横向、角向)
口径: DN32-DN7000mm

主要连接尺寸 Main connection size

通路 Path	波数 wave number	压力等级 Pressure Level (MPa)					波纹管有效面积 Effective area of bellows (cm ²)	最大外径 Max Outside Diameter (mm)	长度 Length	
		0.25	0.6	1.0	1.6	2.5			法兰 Flange (mm)	接管 Jacket (mm)
		轴向补偿量mm, 刚度N/mm Axial compensation mm, stiffness N/mm								
32	8	25/21	22/26	20/26	18/63		16	225	160/250	264/280
32	16	50/11	46/14	41/14	36/32		16	225	224/291	316/321
40	8	25/28	22/44	20/44	18/89	15/98	23	244	164/259	269/289
40	16	50/14	46/22	41/22	36/45	31/47	23	244	230/304	319/334
50	8	25/30	22/51	20/70	18/70	15/106	37	259	172/276	282/306
50	16	50/16	46/26	41/35	36/35	31/55	37	259	240/342	347/372
65	8	33/28	30/35	26/44	22/55	15/138	55	270	215/294	300/322
65	12	42/16	38/22	38/32	34/40	31/70	55	270	260/334	340/362
80	8	40/20	36/26	34/33	28/41	19/68	81	284	240/338	344/366
80	10	53/14	49/17	49/21	43/26	29/50	81	284	270/368	374/390
100	6	45/47	45/60	40/75	35/93	25/54	121	304	235/317	323/345
100	10	76/26	74/32	64/40	57/50	38/33	121	304	305/381	387/409
125	5	48/38	42/47	38/59	34/74	29/117	180	334	282/314	316/342
125	9	85/23	77/29	66/36	58/45	49/63	180	334	382/386	388/414
150	5	49/42	44/50	40/62	34/78	29/92	257	364	282/339	338/367
150	8	79/34	71/43	64/51	54/59	50/56	257	364	356/399	402/427
200	4	52/49	46/55	42/68	38/78	29/97	479	442	280/348	348/372
200	6	73/31	65/44	59/52	53/58	46/65	479	442	340/402	402/426
250	4	72/30	65/34	59/42	52/45	34/111	769	507	315/379	415/379
250	6	108/16	97/21	87/35	79/39	48/78	769	507	393/459	493/399
300	4	72/51	65/55	59/59	52/65	47/55	1105	562	366/427	466/467
300	6	108/32	97/35	87/37	79/41	71/47	1105	562	464/525	564/565
350	4	72/58	65/62	59/67	52/74	47/71	1307	622	397/452	497/492

沟槽波纹管/软管 Grooved bellows/hose



设计温度: -20℃ ~ +400℃
设计压力: 0.25Mpa ~ 2.5Mpa
位移方向: 轴向 (少量横向、角向)
口径: DN32-DN350mm



JR 不锈钢金属软管

JR Stainless Steel Metal Hose
GB/T 12777-2008



主要数据 Main data

公称通径 Nominal diameter DN	内径 Internal diameter (mm)	外径 (mm)	带一层网套 With a layer of mesh sleeve	最小弯曲半径 Minimum bending radius	静态 static state	动态 dynamic	最高工作压力 Maximum working pressure Mpa
8	8.8	13.2	14.4	50	110	15	20
10	11.7	16.5	17.7	65	145	185	20
15	13.5	19.5	21.1	80	180	18	20
20	20.0	27	28.6	120	270	10	15
25	27.0	34.5	36.1	160	360	6.3	10
32	32.0	40	41.6	175	400	4.0	6.3
40	39.6	52	53.6	225	510	4.0	6.3
50	49.7	62	63.6	280	640	3.0	5.0
65	61.2	80.2	81.8	410	915	3.0	5.0
80	79.0	96.3	97.9	486	1030	3.0	5.0
100	101.2	119.6	121.2	610	1340	2.5	4.0
125	124.1	145.3	146.9	700	1540	2.5	4.0
150	149.4	180.8	182.4	810	1780	2.5	4.0
200	176.0	240	243.2	1000	2000	2.5	4.0
250	248.0	290	294	1250	2500	2.5	4.0
300	298.0	350	354	1500	3000	1.6	2.5
350	347.0	400	404.8	1750	3500	1.6	2.5
400	397.6	460	464.8	2000	4000	1.6	2.5

设计温度: -20℃ ~ +400℃

设计压力: 0.25Mpa ~ 6.4Mpa

四氟波纹补偿器

Tetrafluoro ripple compensator
GB/T 12777-2008

Tetrafluoro ripple compensator

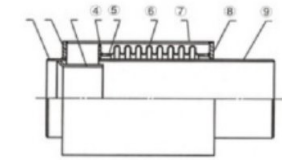
GB/T 12777-2008

主要数据 Main data

规格 DN mm	三个流量大补偿能力			允许最大工作力		三波长		连接法兰尺寸					
	轴向 △Xmm	横向△Ymm		内压 TF02-1	TF02-2	TF02-3	TF02-4	PN0.25Pa		PN0.6Pa		PN1.6Pa	
		02-1	02-2					K	n-m	K	n-m	K	n-m
25	12	8	10	0.6	0.7	57	65	75	4-M10	75	4-M10	85	4-M12
32	14	12	16										
40	17	14	18										
50	20	17	22										
65	22	20	26	0.55	0.6	38	88	130	4-M16	150	4-M16	160	8-M16
80	24	24	32										
100	26	25	33										
125	29	26	36										
150	32	28	38	0.4	0.5	18	115	225	8-M16	225	8-M16	240	8-M20
200	40	35	45										
250	42	37	48										
300	44	39	50										
350	46	41	53	0.3	0.35	14	135	335	12-M16	335	12-M16	400	12-M20
400	48	43	56										
450	48	43	56										
500	48	43	56										
600	49	44	58	0.2	0.25	13	150	445	12-M20	445	12-M20	460	16-M22
700	50	45	60										
800	50	45	60										
900	50	45	60										
1000	52	47	63	0.1	0.11	16	180	550	20-M24	550	20-M24	565	20-M22
1200	54	49	66										
1400	54	49	66										
1600	54	49	66										

JZW轴向外压型波纹补偿器

JZW axial external pressure type corrugated compensator



①进口接管; ②进口端环; ③导流筒; ④限位环;
⑤接管; ⑥波纹管; ⑦外管; ⑧出口端环;
⑨出口接管

主要连接尺寸 Main connection dimensions

通径 DN Nominal diameter	长度 Length mm	波数 Wave number	压力等级MPa Pressure level			波纹管有效面积 Effective area of corrugated tube	最大外径尺寸mm Maximum external diameter
			0.6	1.0	1.6		
			轴向补偿量mm/刚度N/m	轴向补偿量mm/刚度N/m	轴向补偿量mm/刚度N/m		
50	432	10	41 / 231	39 / 255	37 / 286	81	φ270
	654	20	82 / 116	78 / 126	74 / 143		
65	488	10	41 / 231	39 / 255	37 / 286	82	φ290
	756	20	82 / 116	78 / 126	74 / 143		
80	506	9	56 / 196	53 / 232	50 / 278	121	φ308
	789	18	112 / 98	106 / 116	100 / 139		
100	532	8	61 / 167	57 / 218	54 / 256	180	φ336
	789	16	122 / 84	114 / 109	108 / 128		
125	616	8	82 / 278	78 / 301	75 / 320	257	φ368
	966	16	164 / 129	156 / 151	150 / 160		
150	950	8	124 / 125	112 / 154	89 / 330	535	φ450
	1540	16	250 / 56	210 / 87	160 / 113		
200	950	8	130 / 155	100 / 126	70 / 409	779	φ505
	1550	16	250 / 75	200 / 113	160 / 205		
250	1080	8	161 / 111	130 / 162	105 / 378	1075	φ566
	1800	16	320 / 51	260 / 94	201 / 179		
300	1090	8	161 / 138	130 / 194	100 / 338	1269	φ600
	1820	16	320 / 54	260 / 100	200 / 168		
350	1090	8	165 / 165	132 / 221	99 / 438	1619	φ676
	1820	16	320 / 71	250 / 121	200 / 218		
400	1110	8	162 / 164	132 / 290	101 / 468	2008	φ710
	1840	16	310 / 76	251 / 145	190 / 268		
450	1110	8	152 / 131	124 / 339	100 / 532	2428	φ768
	1840	16	301 / 81	251 / 170	190 / 245		
500	1475	6	190 / 180	150 / 515	150 / 765	3473	φ975
	2450	12	371 / 90	300 / 175	300 / 298		
600	1540	6	195 / 231	150 / 754	140 / 765	4766	φ1090
	2540	12	391 / 121	290 / 364	280 / 480		
700	1540	6	200 / 222	155 / 601	150 / 832	6068	φ1190
	2540	12	400 / 112	300 / 400	290 / 478		
800	1540	6	201 / 200	164 / 497	150 / 897	7528	φ1290
	2540	12	400 / 135	321 / 451	299 / 583		
900	1605	6	220 / 206	230 / 635	220 / 765	9328	φ1460
	2685	12	430 / 154	460 / 337	442 / 388		
1000	1605	6	220 / 356	230 / 615	220 / 763	118	φ1580
	2685	12	430 / 268	460 / 303	442 / 418		
1100	1605	6	210 / 273	230 / 654	221 / 754	13066	φ1660
	2685	12	428 / 187	460 / 347	442 / 414		
1200	1605	6	210 / 308	230 / 757	221 / 832	15170	φ1760
	2685	12	420 / 104	460 / 488	443 / 601		
1300	1605	6	220 / 356	230 / 864	221 / 864	17432	φ1860
	2685	12	410 / 132	450 / 432	435 / 626		
1400	1605	6	212 / 398	231 / 645	226 / 889	19851	φ1960
	2685	12	410 / 198	450 / 466	430 / 665		
1500	1605	6	201 / 321	230/978	220/978	22427	φ2060
	2685	12	400/187	449/422	432/665		



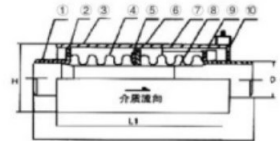
BW无约束型波纹补偿器

BW unconstrained ripple compensator

GB/T 12777-2008



- ①工作接管； ②主定向法兰；
③定向保护套； ④波纹管；
⑤导流套； ⑥导向套；
⑦次定向法兰； ⑧内衬；
⑨限位环； ⑩中间法兰

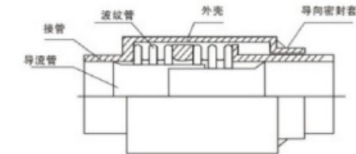
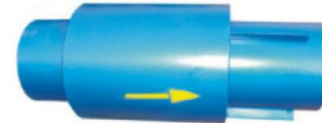


主要连接尺寸 Main connection size

公称通径 Nominal diameter	波数 wave number	总长 Total length (mm)			波纹管有效面积 Effective area of bellows (cm ²)	接管端口尺寸 Nozzle port size (mm)	总长 Total length (mm)
		1.0	1.6	2.5			
50	8	12/318	12/635	11/1310	50	φ 57 × 3.5	350
	16	24/158	24/318	23/655			480
	32	48/79	48/159	46/328			620
65	8	18/8213	18/424	15/841	55	φ 73 × 4	440
	12	27/4142	27/283	25/421			520
	24	54/107	54/142	50/211			600
80	8	28/358	28/358	27/650	81	φ 89 × 4	470
	10	35/286	33/286	32/325			510
	20	70/143	70/143	64/163			680
100	8	38/417	33/417	32/817	121	φ 108 × 4	500
	10	45/250	43/417	42/409			540
	20	72/125	70/125	69/205			700
125	8	52/227	50/227	48/401	180	φ 133 × 4	540
150	8	56/188	54/286	50/423	257	φ 219 × 4.5	550
200	8	64/192	60/320	56/927	479	φ 219 × 6	600
250	8	73/392	70/620	65/927	769	φ 273 × 8	640
300	8	88/553	85/835	80/1071	1105	φ 325 × 8	660
350	6	68/560	65/843	60/1342	1307	φ 377 × 10	665
400	6	69/612	67/915		1611	φ 426 × 10	665
450	6	84/460	80/1537	63/1838	1972	φ 478 × 10	720
500	6	84/485	80/1635	75/2175	2445	φ 529 × 10	720
600	6	105/978	101/1060	75/2128	3534	φ 630 × 10	780
700	6	10/1083	104/1982	96/1420	4717	φ 720 × 10	850
800	4	74/1778	70/3183	98/2050	5822	φ 820 × 10	750
900	4	74/1329	70/2575	66/6234	7620	φ 920 × 10	750
1000	4	78/2270	74/5038		9043	φ 1020 × 10	780

JZM直埋式波纹补偿器

JZM direct buried corrugated compensator



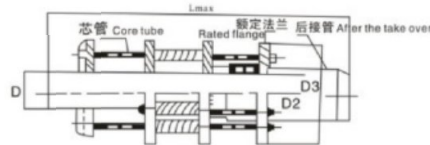
主要连接尺寸 Main connection dimensions

公称 通径DN Nominal diameter	波数 Quantity of ripple	压力等级(MPa) Pressure level					波纹管有效 面积(cm ²) Effective area of corrugated tube	最大外径尺寸 Maximum external diameter (mm)	接口端尺寸 Size of connection end (mm)	总长 Total length (mm)
		0.25	0.6	1.0	1.6	2.5				
轴向补偿量mm/刚度N/mm Axial compensation length mm/toughness N/mm										
50	8	14/153	12/318	12/318	12/318	11/1310	37	120	φ 57 × 3.5	361
50	16	27/76	24/158	24/158	24/158	23/655	37	120	φ 57 × 3.5	445
50	32	52/38	48/79	48/79	48/159	46/328	37	120	φ 57 × 3.5	621
65	8	19/213	18/213	18/213	18/424	15/841	55	159	φ 73 × 4	377
65	12	30/142	29/142	27/142	27/283	25/421	55	159	φ 73 × 4	425
65	24	60/71	58/107	54/107	54/142	50/211	55	159	φ 73 × 4	581
80	8	30/179	30/179	30/358	29/358	27/650	81	162	φ 89 × 4	430
80	10	54/143	37/143	37/286	32/326	32/325	81	162	φ 89 × 4	466
80	20	108/72	74/72	74/143	64/163	64/163	81	162	φ 89 × 4	660
100	6	34/138	34/277	33/417	33/417	32/817	121	180	φ 108 × 4	410
100	10	56/83	56/166	56/250	54/250	50/409	121	180	φ 108 × 4	492
100	20	112/42	112/83	112/125	108/125	100/205	121	180	φ 108 × 4	712
125	5	37/136	36/272	36/408	35/408	33/801	180	221	φ 133 × 4	410
125	9	66/76	65/151	65/227	63/227	60/401	180	221	φ 133 × 4	412
125	18	132/38	130/76	130/114	126/114	120/201	180	221	φ 133 × 4	711
150	5	49/100	49/200	48/300	45/456	44/845	257	245	φ 159 × 4.5	433
150	8	88/63	78/125	77/188	71/286	65/423	257	245	φ 159 × 4.5	518
150	16	159/32	156/63	154/94	142/143	130/211	257	245	φ 159 × 4.5	756
200	4	58/95	56/193	56/286	56/480	55/800	479	327	φ 219 × 6	475
200	6	86/63	85/128	85/192	84/320	80/927	479	327	φ 219 × 6	553
200	12	172/32	170/64	170/96	168/160	160/200	479	327	φ 219 × 6	800
250	4	75/170	74/343	63/588	53/930	50/1856	769	404	φ 273 × 8	500
250	6	112/113	110/228	95/392	80/620	78/927	769	404	φ 273 × 8	620
250	12	220/57	220/114	190/196	160/310	156/464	769	404	φ 273 × 8	984
300	4	73/250	72/503	65/830	57/1253	54/2142	1105	451	φ 325 × 8	584
300	6	110/167	109/336	97/553	85/835	80/1071	1105	451	φ 325 × 8	713
300	12	220/84	218/168	194/277	170/418	160/536	1105	451	φ 325 × 8	1116
350	4	79/263	78/523	72/840	64/1265	62/2684	1307	500	φ 377 × 10	614
350	6	119/175	117/348	107/560	97/843	90/1342	1307	500	φ 377 × 10	759
350	12	238/88	234/174	214/280	194/442	180/671	1307	500	φ 377 × 10	1216
400	4	83/280	73/458	70/918	65/1373	63/3675	1611	537	φ 426 × 10	625
400	6	125/187	109/305	102/612	97/915	90/1838	1611	537	φ 426 × 10	771
400	12	250/94	218/153	204/306	194/458	180/920	1611	537	φ 426 × 10	1225
450	4	98/203	96/405	82/690	69/2305	65/4350	1972	632	φ 478 × 10	620
450	6	147/135	144/270	124/460	103/1537	90/2175	1972	632	φ 478 × 10	762
450	12	294/69	288/135	248/230	208/769	180/1087	1972	632	φ 478 × 10	1200
500	4	102/212	100/423	84/728	70/2452	66/4256	2445	699	φ 529 × 10	624
500	6	153/142	149/282	126/485	105/1635	90/2128	2445	699	φ 529 × 10	766
500	12	306/71	298/141	252/243	210/818	180/1064	2445	699	φ 529 × 10	1216
600	4	123/265	121/530	86/1468	99/1740	95/2842	3534	806	φ 630 × 10	676
600	6	185/177	181/353	148/978	140/1160	120/1420	3534	806	φ 630 × 10	848
600	12	370/89	362/177	358/489	280/580	240/710	3534	806	φ 630 × 10	1382
700	4	128/287	126/573	87/1625	85/2972	84/4100	4717	915	φ 720 × 10	708
700	6	192/192	188/982	168/1083	131/1982	120/2050	4717	915	φ 720 × 10	882
700	12	384/96	376/191	336/542	282/991	240/11025	4717	915	φ 720 × 10	1422
800	4	128/310	126/620	84/1778	85/3183	84/6234	5822	1005	φ 820 × 10	724
800	8	256/155	252/310	168/889	170/1591	168/3117	5822	1005	φ 820 × 10	1071
800	12	384/103	378/207	262/596	241/1061	236/1558	5822	1005	φ 820 × 10	1538
900	4	151/378	149/758	118/1329	117/2575		7620	1137	φ 920 × 10	792
900	8	302/189	298/379	236/664	234/1288		7620	1137	φ 920 × 10	1211
900	12	453/126	447/253	351/443	354/825		7620	1137	φ 920 × 10	1650
1000	4	140/423	140/845	115/2770	90/5038		9043	1227	φ 1020 × 10	800
1000	8	280/212	280/423	230/1385	230/2519		9043	1227	φ 1020 × 10	1200
1000	12	420/141	420/282	345/923	270/1679		9043	1227	φ 1020 × 10	1616



ZTB-B直埋套筒补偿器

ZTB-B elastic sleeve compensator



ZTB-B普通型套筒补偿器，安装CJ/T3016.2设计制造，主要用于架空管道的轴向补偿，也可以用于直埋管道，吸收温差等引起的管道的轴向伸缩，广泛用于城镇供暖、冶金、矿山、发电、石油、化工、建筑等行业。

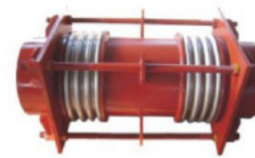
ZTB-B common type sleeve compensator, the installation of CJ/T3016.2 design and manufacture, is mainly used for axial compensation overhead pipeline, can also be used for buried pipeline, axial expansion pipe temperature difference caused by absorption, widely used in urban heating, metallurgy, mining, power, petroleum, chemical, construction and other industries.

本型补偿器采用成型填料加半圆密封油的符合密封结构，具有封闭性能好，耐高温，抗腐蚀，可带压堵漏的有点，可保证管道的长期定期长期稳定运行。

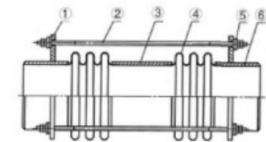
公称口径 DN mm	芯管内径 Inner diameter of heart tube D1(mm)	芯管外径 Outer diameter of core tube D2(mm)	法兰外径 Flange outer diameter D3(mm)	静填料室长度 Length of static packing chamber (mm)	补偿量 Compensation amount	安装长度 Installation length	最大摩阻力 Maximum friction Pc(N) 1.6Mpa
15	14	18	95	36	130	640	579
20	18	23	105	36	130	640	773
25	24	30	115	36	130	640	1060
32	30	36	120	36	130	640	1311
36	36	43	125	36	130	640	1415
40	41	48	130	36	130	640	1518
50	17	55	160	56	150	720	1932
65	63	71	180	56	150	720	2485
70	65	74	190	56	150	720	1588
80	78	87	195	56	150	720	3002
100	94	106	215	56	200	820	6271
125	117	131	245	56	200	820	7750
150	143	157	280	56	200	820	9285
175	178	192	335	70	200	820	13251
200	201	217	335	70	200	820	14977
225	225	242	390	70	200	820	10167
250	253	270	390	70	200	820	21297
300	303	322	440	91	200	820	26399
350	353	373	500	91	200	820	29421
400	404	426	565	91	200	820	33286
450	455	478	615	91	200	820	33852
500	505	528	670	91	250	920	36234
600	653	630	780	91	250	920	13205
700	693	720	880	91	250	920	61771
800	792	820	990	112	250	920	70398
900	890	920	1095	112	250	920	79025
1000	990	1020	1195	112	250	920	87653

JDH大拉杆横向型波纹补偿器

JDH big pull rod transverse corrugated compensator



①喉板
③中间管
⑤球面、锥面垫圈



使用说明 Instructions

大拉杆横向型波纹补偿器可以补偿弯曲管段的横向位移和量值不大的角位移，通常不用来补偿角位移。该补偿器由接管、二个波纹管以及大拉杆等零件构成。它能吸收管系任意平面内的横向位移。位移球面螺母绕球面垫圈转动，同时拉杆还具有承受内压推力能力。

工作温度≤420℃ 疲劳寿命1500次

The transverse corrugated compensator can compensate for the transverse displacement of the curved pipe and the angular displacement with little value. The compensator is connected with Tube, two corrugated tubes and large draw rod and other components. It can absorb the transverse displacement in any plane. The displacement spherical nut rotates around the spherical washer. It also has the ability to withstand internal pressure thrust. The fatigue life of working temperature are less than 420 1500 times

公称口径 DN mm Nominal diameter	波数 wave number	压力等级 MPa Pressure level	横向补偿量mm/刚度N/mm Effective area of bellows 产品长度mm						最大外径尺寸 mm Maximum outside diameter
			1200	1500	2000	2500	3000	3500	
			0.25	0.6	1.0	1.6	2.5		
100	4+4	0.25	177/2.2	243/1.2	354/0.6	465/0.3			310
		0.6	177/2.2	243/1.2	341/0.6	447/0.3			310
		1.0	163/2.2	243/1.2	325/0.6	427/0.3			310
		1.6	91/4	127/2	187/1	247/0.6			310
		2.5	94/8	132/5	194/2	256/1			310
125	4+4	0.25	181/2.8	251/1.5	369/0.7	487/0.4			360
		0.6	172/2.8	239/1.5	351/0.7	463/0.4			360
		1.0	161/2.8	224/1.5	330/0.7	435/0.4			360
		1.6	99/11	140/6	209/3	277/2			360
		2.5	94/11	113/6	197/3	262/2			360
150	4+4	0.25	199/6	278/3.2	410/1.6	542/1.0			410
		0.6	186/6	259/3.2	382/1.6	506/1.0			410
		1.0	122/10	170/6	251/3	332/2			410
		1.6	108/12	153/6	230/3	307/2			410
		2.5	82/22	117/12	176/5	324/3			410
200	4+4	0.25	155/9.4	220/4.9	327/2.25	435/1.4			480
		0.6	138/9.4	196/4.9	291/2.25	388/1.0			480
		1.0	101/20	143/11	213/5	283/3			480
		1.6	75/42	108/21	164/10	220/6			480
		2.5	59/69	86/35	130/16	176/9			480
250	4+4	0.25	164/10.2	239/5.1	367/2.4	494/1.5			580
		0.6	128/21	188/10	287/5	387/3			580
		1.0	109/35	159/18	243/8	328/5			580
		1.6	76/68	116/33	182/14	249/8			580
		2.5	64/122	98/58	154/25	210/14			580
300	4+4	0.25	144/17.6	174/8.4	287/3.7	379/2			660
		0.6	94/50	144/24	228/0	313/6			660
		1.0		127/39	202/17	277/10	352/6		660
		1.6		169/28	169/28	234/15	299/10		660
		2.5		91/113	148/47	215/26	262/16		660

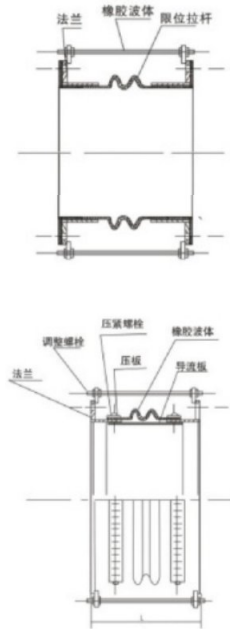
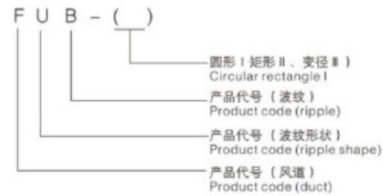


FUB,FVB型风道橡胶补偿器

FUB,FVB type air duct rubber filler



型号标识 Model identification



主要数据 Main data

技术性能technical performance	FVB	FVB
补偿长度compensation length	± 100mm	± 90mm
工作压力working pressure	≤4500pa	≤4500pa
温度范围temperature range	-40℃~30℃	-40℃~300℃
安装长度installation length	300~450mm	300~450mm
拉伸长度变化率change rate of stretch length	≤15%	≤15%
两端支架间距之和the sum of the distance between two supports	≤15m	≤15m
两端滑动支架间距sliding support spacing		2~4m
胶料性能rubber proper		
拉伸强度tensile strength	≥12Mpa	≥12Mpa
拉伸率long break rate	≥300%	≥300%
折断永久变形break permanent deformation	≤25%	≤25%
硬度hardness	58 ± 3°	58 ± 3°
热空气老化hot air test	72℃x72	72℃x72
拉伸伸长变化率tensile elongation rate	≥20%	≥20%

FUB型风道橡胶补偿器连接尺寸Connection dimensions of FUB air duct rubber compensator

型号 Model (mm)	管外径 Tube diameter D	D1	D2	D3	法兰厚度 Flange thickness	连接螺栓数量 Number of connecting bolts	重量kg Weight kg
FUB800	812	950	1000	850	8	24xM22	184.6
FUB900	912	1050	1100	950			203.6
FUB1000	1012	1150	1200	1052	10	30xM22	221.9
FUB1100	1112	1200	1300	1152			240.7
FUB1200	1212	1320	1400	1252			259.5
FUB1300	1312	1450	1500	1352			278.3
FUB1400	1412	1550	1600	1452			357.3
FUB1500	1512	1650	1700	1552		30xM22	391.2
FUB1600	1614	1750	1800	1654	10	36xM33	426.3
FUB1700	1714	1850	1900	1751			449.7
FUB1800	1814	1950	2000	1854		44xM22	481.0
FUB1900	1914	2050	2120	1954			533.4
FUB2000	2016	2170	2240	2056			619.9
FUB2100	2116	2270	2340	2156	12	54xM30	753.3
FUB2200	2216	2370	2440	2256			785.3
FUB2300	2316	2470	2540	2356			817.2
FUB2400	2416	2570	2640	2456			800.2
FUB2500	2516	2670	2740	2556			881.2
FUB2600	2616	2770	2840	2656	14	64xM30	913.2
FUB2800	2816	2970	3040	2856			986.5
FUB3000	3016	3170	3240	3056			1050.5
FUB3200	3216	3370	3440	3256			1114.6

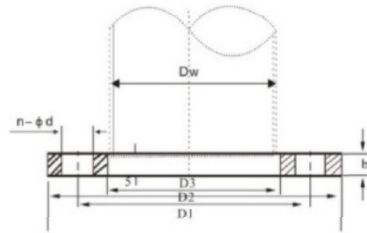
FVB型风道橡胶补偿器连接尺寸Connection dimensions of FVB air duct rubber compensator

型号 Model (mm)	管外径 Tube diameter D	D1	D2	D3	法兰厚度 Flange thickness	连接螺栓数量 Number of connecting bolts	重量kg Weight kg
FVB500	529	600	640	469	8	18xM16	89.8
FVB600	630	705	755	570		18xM20	114.6
FVB700	720	810	860	660		20xM20	134.8
FVB800	820	920	975	760		16xM16	192.0
FVB9000	920	1020	1075	860			213.8
FVB1000	1020	1120	1175	960			241.6
FVB1100	1120	1220	1275	1060	10	24xM20	263.0
FVB1200	1220	1320	1375	1160		30xM22	312.6
FVB1300	1320	1420	1475	1260			335.0
FVB1400	1420	1520	1575	1360		26xM22	369.6
FVB1500	1520	1630	1685	1440			349.4
FVB1600	1620	1730	1785	1540			477.5
FVB1700	1720	1830	1985	1640	12	44xM22	515.9
FVB1800	1820	1930	2085	1740			536.0
FVB1900	1920	2030	2185	1840			565.2
FVB2000	2000	2130	2410	1940		44xM27	725.2
FVB2200	2020	2340	2610	2140		50xM27	881.8
FVB2400	2420	2540	2710	2340		54xM27	953.0
FVB2500	2520	2640	2810	2440		56xM30	1057.5
FVB2600	2620	2760	3030	2540	14	58xM30	1098.4
FVB2800	2820	2960	3230	2740		60xM30	1260.9
FVB3000	2030	3160	3430	2940		64xM30	1347.8
FVB3200	3220	3360		3140		72xM30	1441.5

注：超大口径风道橡胶补偿器可按用户要求生产供货。
Note: large diameter air duct rubber compensator can be produced according to customer requirements.



风道纤维组织物补偿器（圆形） Air duct fibrous tissue compensator (round)



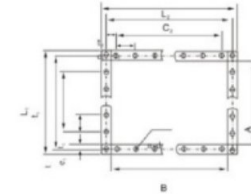
主要连接尺寸 Main connection dimensions

圆形产品规格 Circular product specification	DW	D ₁	D ₂	D ₃	b	n	ϕd
mm							
ϕ108	108	200	164	110	10	4	10
ϕ159	159	251	215	161		8	10
ϕ219	219	311	275	211			10
ϕ273	273	365	330	275			10
ϕ325	325	427	385	327			10
ϕ377	377	479	435	379	12		12
ϕ426	426	528	490	428			12
ϕ480	480	595	540	483			12
ϕ530	530	645	600	533			12
ϕ630	630	745	700	633			12
ϕ720	720	843	800	723	12	16	12
ϕ820	820	943	900	823	14		14
ϕ920	920	1043	1000	923			14
ϕ1020	1020	1153	1100	1023		20	14
ϕ1120	1120	1253	1200	1123			14
ϕ1220	1220	1353	1300	1223			14
ϕ1320	1320	1453	1400	1323	16	24	14
ϕ1420	1420	1553	1500	1423			14
ϕ1820	1820	1963	1910	1823		28	16
ϕ2020	2020	2363	2310	2223		32	16
ϕ2220	2220	2363	2310	2223		36	16
ϕ2420	2420	2563	2510	2423	18	40	16
ϕ2820	2820	2983	2915	2823		44	18
ϕ3220	3220	3883	3315	3223		52	18
ϕ3620	3620	3783	3715	3623		56	18

安装要求：1、法兰螺栓应逐步均匀地加压拧紧，所有螺栓松紧度尽可能一致。使用条件恶劣的场合，除加平垫外可添加弹簧垫圈，以防螺母松动。2、补偿器与配套平焊法兰之间应按工作温度选用相应橡胶石棉垫片。3、在试运行时，应将补偿器限位螺栓作适当调整，便于产品伸长和压缩。4、焊接连接时，应将限位螺栓适当松动，防止将补偿器限位板拉弯或产品变形。5、焊接作业时作遮盖物遮住橡胶（织物）表面，防止焊渣损伤产品。

Installation requirements: 1, the flange bolts should be gradually uniformly compressed, all the screws tightness as possible. The use of harsh conditions, in addition to a flat pad can be added to the spring washer, to prevent loosening of nuts. 2, fill between the compensation device and supporting flange should be in accordance with the working temperature of corresponding rubber asbestos gasket. 3, in the trial, the compensator should be limited to the appropriate adjustment of the screw, easy to stretch and compress ion products. 4, welded pipe connection, should be limit screw loose, to prevent the compensator limit plate bending or product deformation. 5, when the welding work as a cover to cover the rubber (fabric) surface, to prevent slag damage products.

风道纤维组织物补偿器（矩形） Air duct fibrous tissue compensator (rectangular)

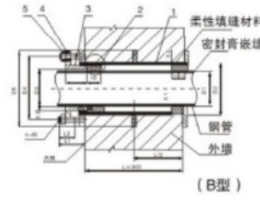
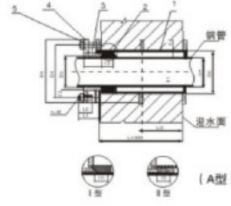


主要连接尺寸 Main connection dimensions

矩形产品规格 product specification	管道外径 Conduits diameter	A	B	L ₁	L ₂	C ₁	C ₂	t	t ₁	t ₂	t ₃	l ₁	l ₂	n ₁	n ₂	e ₁ /e ₂	d	材料规格 Material specification	重量 weight Kg
毫米																			
米																			
900 × 700	900 × 700	902	720	1014	814	774	124	121	110	112	725	550	6	5			30		22.4
900 × 1200	900 × 1200	1202	1014	1373	974	1274	124	121	116	115	1044	550	9				38		29
1000 × 600	1000 × 600	602	714	674	1074	117	120		112	113	448	4					30		22.4
1000 × 700	1000 × 700	702	814	774	1074	117	120		110	112	550	5					32		23.8
1000 × 800	1000 × 800	802	914	874	1074	117	120		109	110	654	6					34		25.1
1000 × 1000	1000 × 1000	1002	1114	1074	1074	117	120		120	117	840	7					36		27.7
1200 × 600	1200 × 600	602	714	674	1114	115	116		112	113	448	4					34		25.1
1200 × 700	1200 × 700	702	814	774	1114	115	116		110	112	550	5					38		26.4
1200 × 800	1200 × 800	802	914	874	1114	115	116		110	112	654	6					38		27.7
1200 × 1000	1200 × 1000	1002	1114	1074	1114	115	116		120	117	840	7					40		30.3
1200 × 1200	1200 × 1200	1202	1314	1274	1274	115	116		116	115	1044	9					44		32.9
1400 × 700	1400 × 700	702	714	774	1474	110	114		110	112	550	5					40		29
1400 × 800	1400 × 800	802	814	874	1474	110	114		109	110	654	6					42		30.3
1400 × 900	1400 × 900	902	914	974	1474	110	114		121	124	1254	726	6				42		31.6
1400 × 1000	1400 × 1000	1002	1114	1074	1474	110	114		120	117	840	11					44		32.9
1400 × 1200	1400 × 1200	1202	1314	1274	1474	110	114		116	115	1044	9					48		35.5
1500 × 800	1500 × 800	802	914	874	1574	115	122		109	110	654	6					42		31.6
1500 × 900	1500 × 900	902	1014	974	1574	115	122		121	124	726	6					42		32.9
1500 × 1000	1500 × 1000	1002	1114	1074	1574	115	122		116	115	840	7					44		34.2
1500 × 1200	1500 × 1200	1202	1314	1274	1574	115	122		116	115	1044	9					48		36.8
1600 × 1000	1600 × 1000	1001	1114	1074	1674	117	120		120	117	840	12					48		35.5
1600 × 1200	1600 × 1200	1202	1314	1274	1674	117	120		116	115	1044	10					50		38.1
1600 × 1400	1600 × 1400	1402	1528	1478	1678	139	140		134	136	1206	10					48		55.9
1600 × 1600	1600 × 1600	1602	1728	1678	1678	139	140		140	139	1400	14					48		59.5
1800 × 900	1800 × 900	902	1914	1014	1874	118	117		121	124	1638	726	6				48		36.8
1800 × 1000	1800 × 1000	1002	1114	1074	1874	118	117		120	117	840	7					50		38.1
1800 × 1200	1800 × 1200	1202	1328	1278	1878	135	134		142	142	994	12					48		55.9
1800 × 1400	1800 × 1400	1402	1928	1528	1878	135	134		136	1608	1206	12					50		59.5
1800 × 1800	1800 × 1800	1802	1928	1878	1878	135	134		134	135	1608	6					56		66.6
2000 × 1000	2000 × 1000	1004	1130	1080	2080	135	134		135	135	810	8					48		55.9
2000 × 1300	2000 × 1300	1304	1430	1380	2080	135	134		138	138	1104	11					50		61.3
2000 × 1600	2000 × 1600	1604	1730	1680	2080	135	134		140	140	1430	13					56		66.6
2000 × 1800	2000 × 1800	1804	1930	1880	2080	135	134		140	140	1608	12					56		0.2
2000 × 2000	2000 × 2000	2004	2130	2080	2080	135	134		140	140	1820	13					60		73.8
2200 × 1200	2200 × 1200	1204	1330	1280	2280	135	134		142	143	994	7					52		63.1
2000 × 1400	2000 × 1400	1404	1530	1480	2280	135	134		134	137	1206	9					56		66.6
2000 × 1600	2000 × 1600	1604	1730	1680	2280	135	134		130	125	1430	11					60		70.2
2000 × 1800	2000 × 1800	1804	1930	1880	2280	135	134		134	136	1608	12					62		73.8



02S404柔性防水套管 02S404 flexible waterproof sleeve



使用范围 Scope of use

本产品适用于民用、一般工业、市政给排水工程(建)筑物。
This product is suitable for civil, general industrial and municipal water supply and drainage engineering structures (buildings).

分类应用 Classification application

防水套管结构形式分为柔性防水套管(A/B管型)、刚性防水套管(A/B/C型)及刚性防水翼环三种类型。
柔性防水套管适用于有地震设防要求的地区,管道穿墙处承受振动和管道伸缩变形、或有严密防水要求的构(建)筑物外墙。

I型密封圈适用于一般防水要求,II型适用于比较严密的防水要求。

适用温度: -20℃ ~ 250℃。特殊要求请订货时说明。

当穿墙管与泵或增压设备连接的进、出管道时,宜在连接处设置柔性连接。

Waterproof sleeve structure is divided into three types: flexible waterproof sleeve (A/B tube type), rigid waterproof sleeve (A/B/C type) and rigid waterproof wing ring.
Flexible waterproof sleeve is suitable for areas requiring seismic fortification, where the pipeline passes through the wall to withstand vibration, pipe expansion and deformation, or external walls of structures or buildings requiring strict waterproofing.

Type I seals are suitable for general waterproofing requirements and type II seals are suitable for more strict waterproofing requirements.

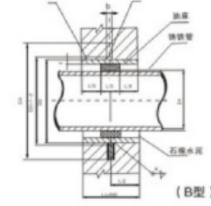
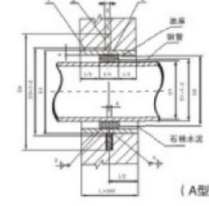
Applicable temperature: -20 ~ 250 °C. Special requirements should be specified when ordering.

Flexible connections should be set at the joints when the wall-piercing pipe is connected with the inlet and outlet pipes of pumps or superchargers.

主要尺寸、重量表 Main Dimensions and Weight Meters

DN	D1	D2	D3	D4	D5	I	10		11	12	D1	D2	D3	n-M	A型重量(kg)		B型重量(kg)	
							I型	II型							I型	II型	I型	II型
50	60	95	65	145	200	65	28	/	72	30	3.5	4	8	4-M12	14.40	/	14.40	/
65	76	114	80	165	220	65	28	25	72	30	3.75	4	8	4-M12	16.89	17.07	17.18	17.35
80	89	127	95	180	235	65	28	25	76	38	4	4	10	4-M16	21.12	21.31	21.42	21.61
100	108	146	114	200	255	65	28	25	76	38	4	4.5	10	4-M16	24.37	24.58	24.71	24.92
125	133	180	140	235	290	65	28	25	76	38	4	6	10	4-M16	31.92	32.31	32.43	32.82
150	159	203	165	260	315	65	28	25	76	38	4.5	6	10	4-M16	35.77	36.17	36.31	36.72
200	219	265	226	320	375	65	28	25	76	38	6	6	10	4-M16	44.69	45.29	45.29	45.87
250	273	325	280	380	435	65	28	25	76	38	8	8	10	4-M16	59.41	60.22	60.43	61.33
300	325	377	333	435	495	72	32	30	90	46	8	10	10	4-M20	89.37	90.02	90.35	91.14
350	377	426	385	485	545	72	32	30	90	46	10	10	10	4-M20	99.74	100.3	100.7	101.5
400	426	430	435	540	600	72	32	30	90	46	10	10	10	12-M20	114.0	114.8	115.3	116.4
450	480	530	488	590	650	72	32	30	90	46	10	10	10	12-M120	124.1	124.7	/	/
500	530	582	538	645	705	72	32	30	90	46	10	10	10	16-M20	139.3	140.5	/	/
600	630	690	640	755	820	75	32	30	104	54	10	10	12	16-M24	197.2	198.2	/	/
700	720	780	730	845	910	75	40	30	104	54	10	10	12	20-M24	222.6	223.7	/	/
800	820	880	830	950	1020	80	40	40	117	60	10	10	12	20-M27	280.0	282.3	/	/
900	920	980	930	1050	1120	80	40	40	117	60	10	10	12	20-M27	309.6	312.2	/	/
1000	1020	1030	1030	1150	1220	80	40	40	117	60	10	10	12	24-M27	341.1	344.0	/	/

02S404刚性防水套管 02S404 Rigid Waterproof Casing



适用范围 Scope of use

刚性防水套管适用于管道穿墙处不承受管道振动和伸缩变形的构(建)筑物,对于地震设防要求的地区,如采用刚性防水套管,应在进入池壁或建筑物外墙的管道上就近设置柔性连接,A型适用于钢, B型适用于球墨铸铁管。

Rigid waterproof sleeve is suitable for structures (buildings) where pipelines do not bear vibration and expansion deformation of pipelines through walls. For areas requiring seismic fortification, if rigid waterproof sleeve is used, flexible connections should be installed near pipes entering pool walls or building exterior walls. A type is suitable for steel and B type is suitable for ductile iron pipes.

刚性防水套管(A型)尺寸、重量表 Dimension and Weight Table of Rigid Waterproof Casing (Type A)

DN	D1	D2	D3	D4	δ	b	k	重量(kg)	DN	D1	D2	D3	D4	δ	b	k	重量(kg)
50	60	80	114	225	3.54	10	4	4.494	500	530	550	590	730	10	16	10	44.54
65	75.5	95	121	230	3.75	10	4	4.66	600	630	660	690	830	10	16	10	54.50
80	89	110	140	250	4	10	4	5.33	700	720	750	790	920	10	16	10	61.43
100	108	130	159	270	4.5	10	5	6.36	800	820	850	880	1020	10	16	10	69.12
125	133	155	180	290	6	10	6	8.33	900	920	950	980	1120	10	16	10	76.81
150	159	180	219	330	6	10	6	10.06	1000	1020	1050	1080	1230	10	16	10	84.50
200	219	240	273	385	8	12	8	15.9	1200	1220	1250	1290	1430	12	20	12	122.5
250	273	295	325	435	8	12	8	18.68	1400	1420	1450	1490	1630	12	20	12	141.3
300	325	345	377	500	10	14	10	27.40	1600	1620	1650	1690	1830	14	20	14	176.4
350	377	400	426	550	10	14	10	30.95	1800	1820	1850	1900	2040	16	20	16	216.6
400	426	445	480	600	10	14	10	34.35	2000	2020	2050	2100	2240	16	20	16	239.3
450	480	500	530	650	10	14	10	37.85									

刚性防水套管(B型)尺寸、重量表 Dimension and Weight Table of Rigid Waterproof Casing (Type B)

DN	D ₁		D ₂	D ₃	δ	b	k	重量(kg)	DN	D ₁		D ₂	D ₃	δ	b	k	重量(kg)
	铸铁管	球墨铸铁管								铸铁管	球墨铸铁管						
75	93	/	140	250	4	10	4	5.33	500	528	532	590	730	10	16	10	44.54
100	118	118	168	280	4.5	10	5	6.27	600	630.8	635	690	830	10	16	10	54.50
150	169	170	219	330	6	10	6	10.06	700	733	738	790	930	10	16	10	62.19
200	220	220	273	385	8	12	8	15.90	800	836	842	900	1040	10	16	10	70.65
250	271.6	274	325	435	8	12	8	18.68	900	936	945	1000	1140	10	16	10	78.34
300	322.8	326	377	500	10	14	10	27.40	1000	1041	1048	1100	1240	10	16	10	104.7
350	374	378	426	550	10	14	10	30.98	1100	1144	/	1200	1340	20	20	20	114.1
400	425.6	429	480	600	10	14	10	34.35	1200	1246	1255	1310	1450	20	20	20	124.4
450	476.8	/	530	650	10	14	10	37.85									

说明: 1、套管穿墙处如遇非混凝土墙时,应改为混凝土墙壁,其浇注范围应比翼环直径(A型D4或B型D3)大200,而且必须将套管一次浇注于混凝土墙内。套管内的填料应紧密捣实。

2、穿墙处混凝土墙厚应不小于200,否则应使土墙壁一边或两边加厚。加厚部分的直径至少为D4+200。

3、焊接结构尺寸公差与形位公差按照JB/T500.3-1998执行。焊接采用手工电弧焊,焊条型号E4303,牌号J422。焊缝坡口的基本形式与尺寸按照GB985-88执行。

Explanation: 1. When the casing penetrates the wall, it should be replaced by concrete wall. Its casting range should be 200 times larger than the diameter of wing ring (A-D4 or B-D3), and the casing must be fixed in the concrete wall once. Packing in casing should be compactly tampered.

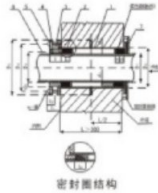
2. The thickness of concrete wall should be no less than 200 at the piercing point, otherwise one or both sides of the earth wall should be thickened. The diameter of the thickening part is at least D4+200.

3. Dimension tolerance and shape tolerance of welded structure shall be carried out in accordance with JB/T500.3-1998. Welding adopts manual arc welding, electrode type E4303, brand J422. The basic form and size of weld groove shall be carried out in accordance with GB985-88.



04FS02柔性密闭套管

04FS02 Flexible Sealed Casing



序号 NO	名称 Name	数量 Number	材料 Material	备注 Remarks
1	法兰套管 Flange casing	1	Q235-A	焊接件 Weldments
2	密封圈 Seal ring	1	氟丁橡胶	
3	法兰压盖 Flange gland	1	Q235-A	焊接件 Weldments
4	螺栓 Bolt	n	Q235-A	GB897-88A
5	螺母 Nut	n	Q235-A	GB/T41-2000
6	钢管 Steel pipe		Q235-A	
7	挡板 Baffle		Q235-A	

说明:

1. 柔性填料材料: 沥青麻丝、聚苯乙烯板、聚氯乙烯泡沫塑料板。
2. 密封膏: 聚硫密封膏、聚氨酯密封膏。
3. 穿管处混凝土墙厚不应小于300, 否则应使墙壁一边加厚或两边加厚, 加厚部分的直径至少为D5+200。
4. 钢管和挡板焊接后经镀锌处理, 再试行与套管安装。
5. 焊接采用手工电弧焊, 焊条型号E4303。

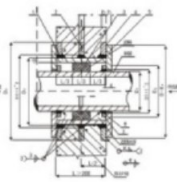
Explain:

1. Flexible filler materials: asphalt bast fiber, polystyrene board, polyvinyl chloride foam board.
2. Sealing paste: polysulfide sealant and polyurethane grease sealant.
3. The thickness of concrete wall should not be less than 300. Otherwise, one side of the wall should be thickened or both sides should be thickened. The diameter of the thickened part should be at least D5+200.
4. The steel pipe and baffle are welded and galvanized, and then the casing is installed on trial.
5. Manual arc welding is used for welding. Electrode

04FS02刚性密闭套管

04FS02 Rigid Sealed Casing

04FS02 Rigid Sealed Casing



序号 NO	名称 Name	数量 Number	材料 Material
1	钢制套管 Steel casing	1	Q235-A
2	翼环 Wing ring	1	Q235-A
3	档圈 Gear ring	3	Q235-A
4	固定法兰 Fixed flange	2	Q235-A
5	挡板 Baffle	2	Q235-A
6	密封圈 Seal ring	2	氟丁橡胶 Neoprene

说明:

1. 穿管处混凝土墙厚不应小于200, 否则应使墙壁一边加厚或两边加厚, 加厚部分的直径至少为D4+200。
2. 钢管和档圈焊接后经镀锌处理, 再施行与套管安装, 全部施工安装后再施行挡板和固定法兰焊接。
3. 焊接采用手工电弧焊, 焊条型号E4303。

Explain:

1. The thickness of concrete wall should not be less than 200. Otherwise, one side of the wall should be thickened or both sides should be thickened. The diameter of the thickened part should be at least D4+200.
2. Galvanized steel pipes and gears are welded and then installed with casing. After all construction and installation, baffles and fixed flanges are welded.
3. Manual arc welding is used for welding. Electrode type E4303.

柔性密闭套管尺寸
Flexible airtight sleeve dimensions

DN	D1	D2	D3	D4	D5	D7	I	l0	l1	l2	d1	d2	d3	d1	d2	k	n-M
50	60	95	65	145	200	81	65	/	72	30	3.5	4	8	65	86	4	4-M12
65	76	114	80	165	220	96	65	25	72	30	3.75	4	8	80	105	4	4-M12
80	89	127	95	180	235	115	65	25	72	38	4	4	10	95	118	4	4-M12
100	103	146	114	200	255	134	65	25	72	38	4	4.5	10	114	136	4	4-M12
125	133	180	140	235	290	160	65	25	76	38	4	6	10	140	167	6	6-M12
150	159	203	165	260	315	185	65	25	76	38	4.5	6	10	160	190	6	6-M12
200	219	265	226	320	375	246	65	25	76	38	6	6	10	226	226	6	6-M12

刚性密闭套管尺寸
Dimension of rigid airtight sleeve

DN	D1	D2	D3	D4	d	b	k
50	60	80	114	225	3.5	10	4
65	75.5	95	121	230	3.75	10	4
80	89	110	140	250	4	10	4
100	108	130	159	270	4.5	10	5
125	133	155	180	290	6	10	6
150	159	180	219	330	6	10	6
200	219	240	273	385	8	12	8

橡胶材质推荐选用表

Recommended rubber material table

流体 Fluid		天然胶 NR	丁基胶 Butyl rubber	丁腈胶 NBR	氯丁胶 Neoprene	乙丙胶 Ethylene- propylene rubber	硅胶 Silicone	氟胶 Fluorine rubber	氯醇橡胶 Epichlorohydrin rubber	
名称 Name	℃	NR	LLR	NBR	CR	EPDM	SI	-	CHR	CHC
海水 Seawater	90	AB	AB	AB	AB	AB	-	-	AB	AB
温泉水 Hot water	90	-	AB	AB	AB	AB	-	-	-	-
蒸汽 Steam	130	-	AB	-	-	AB	-	AB	-	-
氨水 Ammonia	RT	AB	-	AB	AB	AB	-	AB	-	-
氨水 Ammonia (30%)	RT	AB	-	-	AB	AB	-	AB	-	-
盐酸 Hydrochloric acid(10%)	RT	AB	AB	AB	AB	AB	-	AB	AB	AB
干氯气 Dry chlorine	RT	-	-	-	-	-	-	AB	-	-
湿氯气 Wet chlorine	RT	-	-	-	-	-	-	-	-	-
硝酸 Nitric acid (10%)	RT	-	-	B	AB	-	-	AB	-	-
硫酸 Sulfuric acid (10%)	RT	-	AB	-	AB	AB	AB	AB	-	-
硫酸 Sulfuric acid (30%)	RT	-	-	-	AB	AB	-	AB	-	-
酒精 Alcohol	RT	AB	AB	AB	AB	AB	-	AB	-	-
苛性钠 Caustic soda (50%)	RT	AB	AB	AB	AB	AB	-	AB	AB	AB
润滑油 Lubricating oil	70	-	-	AB	-	-	-	AB	AB	AB
燃料油 Fuel Oil	RT	-	-	AB	-	-	-	AB	AB	AB
重油 Heavy oil	RT	-	-	AB	-	-	-	AB	AB	AB
汽油 Gasoline	RT	-	-	-	-	-	-	-	-	-
挥发油 Volatile oil	RT	-	-	-	-	-	-	AB	-	-
焦油 Tar	RT	-	-	-	-	-	-	AB	-	-
氧气 Oxygen	RT	-	-	-	-	AB	AB	AB	AB	AB
二氧化碳 Carbon dioxide	RT	AB	AB	AB	AB	AB	-	AB	AB	AB
二氧化硫 Sulfur dioxide	RT	-	AB	AB	AB	-	-	AB	-	-
天然气 Natural gas	RT	-	-	AB	AB	-	-	AB	-	-
焦炉煤气 COG	RT	-	-	-	-	-	-	-	-	-
发生炉煤气 Occuring gas stove	RT	-	-	AB	-	-	-	-	-	-
高炉煤气 Blast furnace gas	RT	-	-	AB	AB	-	-	-	-	-
真空管路 Vacuum line	RT	-	-	-	AB	-	-	-	-	-
食品饮料 Food and Drink	RT	AB	-	-	-	-	AB	-	-	-

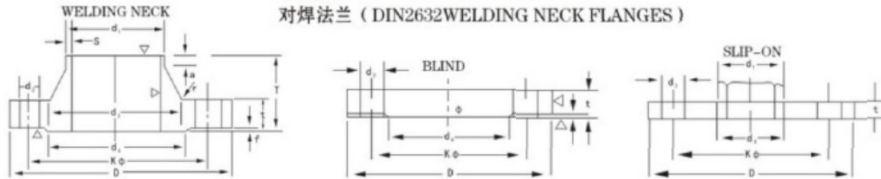
注: “RT” 为常温, “AB” 为推荐使用, “B” 为根据条件使用。

Note: “RT” is Normal temperature, “AB” is Recommended use, “B” Use according to conditions.



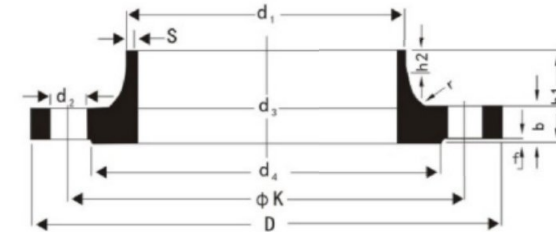
PN10 德标法兰 PN10 DIN Flange

平焊法兰 (DIN2576SLIP-ON FLANGES)
堵头法兰 (DIN2527BLIND FLANGES)
对焊法兰 (DIN2632WELDING NECK FLANGES)



内径Bore			通径nominal diameter				毂Hub				凸面 Raised face		钻孔Drilling hole			重量Weight(kg)		
公称 通径 nominal diameter	d ₁	D	f			K	T	d ₂	s	r	a	d ₃	f	螺栓数量 Number of bolt	螺栓直径 Dia. of bolt	d ₄	Din 2576	Din 2632
			对接 Welding neck	平焊 Slip on	堵头 Blind													
10	14	90	14	14	14	60	35	25	1.8	4	6	40	2	4	M12 (1/2")	14	0.613	0.580
15	17.2	95	14	14	14	65	35	30	2.0	4	6	45	2	4	M12 (1/2")	14	0.675	0.648
20	21.3	105	16	16	16	75	38	38	2.3	4	6	58	2	4	M12 (1/2")	14	0.947	0.952
25	25.9	115	16	16	16	85	38	42	2.6	4	6	68	2	4	M12 (1/2")	14	1.14	1.14
32	33.7	140	16	16	16	100	40	52	2.6	6	6	78	2	4	M16 (5/8")	18	1.66	1.69
40	42.4	150	16	16	16	110	42	60	2.6	6	7	88	3	4	M16 (5/8")	18	1.89	1.86
50	57	165	18	18	18	125	45	72	2.9	6	8	102	3	4	M16 (5/8")	18	2.51	2.53
65	60.3	185	18	18	18	145	45	90	2.9	6	10	122	3	4	M16 (5/8")	18	3.00	3.06
80	76.1	200	20	20	20	160	50	105	3.2	8	10	138	3	4	M16 (5/8")	18	3.79	3.70
100	88.9	220	20	20	20	180	52	125	3.6	8	12	158	3	8	M16 (5/8")	18	4.20	4.62
125	108	250	22	22	22	210	55	150	4.0	8	12	188	3	8	M16 (5/8")	18	5.71	6.30
150	133	285	22	22	22	240	55	175	4.5	10	12	212	3	8	M20 (3/4")	23	6.72	7.75
200	159	340	24	24	24	295	62	232	5.9	10	16	268	3	8	M20 (3/4")	23	9.50	11.3
250	168.3	395	26	26	26	350	68	285	6.3	12	16	320	3	12	M20 (3/4")	23	12.5	14.7
300	219.1	445	26	26	28	400	68	335	7.1	12	16	370	4	12	M20 (3/4")	23	14.4	17.6
350	273.1	505	26	28	30	460	68	385	7.1	12	16	430	4	16	M20 (3/4")	23	20.6	23.6
400	323.9	565	26	32	32	515	72	440	7.1	12	16	482	4	16	M24 (7/8")	27	27.9	28.6
500	419	670	28	38	34	620	75	542	7.1	12	16	585	4	20	M24 (7/8")	27	41.1	38.1
600	508.1	780				725	80	642	7.1	12	18	685	5	20	M27 (1")	30		
700	609.6	895				840	80	745	8.0	12	18	800	5	24	M27 (1")	30		
800	711.2	1015	32			950	90	850	8.0	12	18	905	5	24	M30 (1 1/8")	33		
900	812.8	1115	34			1050	95	950	10.0	12	20	1005	5	28	M30 (1 1/8")	33		
1000	920	1230	34			1160	95	1052	10.0	16	20	1110	5	28	M33 (1 1/4")	36		

PN16 德标法兰 PN16 DIN Flange



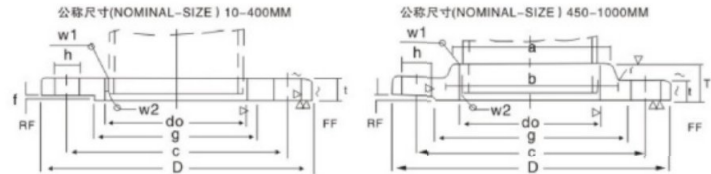
单位:毫米 Unit: mm

DN	d ₁	D	b	k	h ₁	d ₂	s	r	h ₂	d ₄	f	孔数 Number of hole	螺栓直径 Diam of bolt	d ₂	重量 Weight
10	14	90	14	60	35	25	1.8	4	6	40	2	4	M12	14	0.580
15	17.2	95	14	65	35	30	2	4	6	45	2	4	M12	14	0.648
20	21.3	105	16	75	38	38	2.3	4	6	58	2	4	M12	14	0.952
25	26.9	115	16	85	38	42	2.6	4	6	68	2	4	M12	14	1.140
32	33.7	140	16	100	40	52	2.6	6	6	78	2	4	M16	18	1.69
40	42.4	150	16	110	42	60	2.6	6	7	88	3	4	M16	18	1.86
50	57	165	18	125	45	72	2.9	6	8	102	3	4	M16	18	2.53
65	60.3	185	18	145	45	90	2.9	6	10	122	3	4	M16	18	3.06
80	76.1	200	20	160	50	105	3.2	8	10	138	3	8	M16	18	3.70
100	88.9	220	20	180	52	125	3.6	8	12	158	3	8	M16	18	4.62
125	108	250	22	210	55	150	4	8	12	188	3	8	M16	18	6.30
150	114.3	285	22	240	55	175	4.5	10	12	212	3	8	M20	22	7.75
175	139.7	315	24	270	60	210	5.4	10	12	242	3	8	M20	22	9.85
200	159	340	24	295	62	235	5.9	10	16	268	3	12	M20	22	11.00
250	168.3	405	26	355	70	285	6.3	12	16	320	3	12	M24	26	15.6
300	219.1	460	28	410	78	344	7.1	12	16	378	4	12	M24	26	22.0
350	273.1	520	30	470	82	390	8	12	16	438	4	16	M24	26	31.2
400	323.9	580	32	525	85	445	8	12	16	490	4	16	M27	30	39.3
500	406.4	715	34	650	90	548	8	12	16	610	4	20	M30	33	61.0
600	419	840	36	770	95	652	8.8	12	18	725	5	20	M33	36	75.4
700	508.1	910	36	840	100	755	8.8	12	18	795	5	24	M33	36	77.0
800	521	1025	38	950	105	855	10	12	20	900	5	24	M36	39	101.0
900	521	1125	40	1050	110	955	10	12	20	1000	5	28	M36	39	122.0
1000	521	1255	42	1170	120	1058	10	16	22	1115	5	28	M39	42	162.0
1200	521	1485	48	1390	130	1262	12.5	16	30	1330	5	32	M45	48	243
1400	521	1685	52	1590	145	1465	14.2	16	30	1530	5	36	M45	48	323
1600	521	1930	58	1820	160	1668	16	16	35	1750	5	40	M52	56	479
1800	521	2130	62	2020	170	1870	17.5	16	35	1950	5	44	M52	56	599
2000	521	2345	66	2230	180	2072	20	16	40	2150	5	48	M56	62	719



5K KS B1503 JIS B2220 日标法兰

5K KS B1503 JIS B2220 Flange

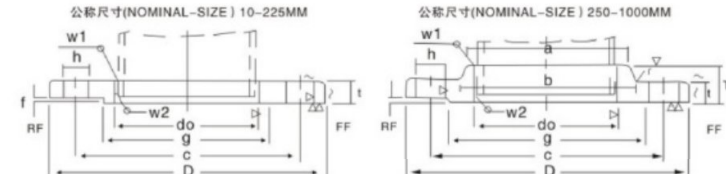


单位:毫米 Unit: mm

法兰公称通径 Nominal dia. of flange	法兰外径 Outside dia. of flange	法兰剖面尺寸Sectional dimensions of flange										对焊 Welding		重量 Weight (Kg)			
		螺栓直径 Dia. of bolt	凸面直径 Dia. of raised face	法兰内径 Inside dia. of flange	通径管外径 Outside dia. of applicable pipe	t	T	中心直径 Dia. of hub		半径 Raised face	凸面 Raised face	孔径 Hole dia. h	螺栓孔数量 Number of bolt hole		公称螺栓尺寸 Nominal bolt size		
								a	b								
10	75	55	39	17.8	17.3	9					1	12	4	M10	5.0	2.5	0.27
15	80	60	44	22.2	21.7	9					1	12	4	M10	5.0	3.0	0.30
20	85	65	49	27.7	27.2	10					1	12	4	M10	5.0	3.0	0.37
25	95	75	59	34.5	34.0	10					1	12	4	M10	5.0	3.0	0.45
32	115	90	70	43.2	42.7	12					2	15	4	M12	6.0	3.0	0.78
40	120	95	75	49.1	48.6	12					2	15	4	M12	6.0	3.0	0.83
50	130	105	85	61.1	60.5	14					2	15	4	M12	6.0	3.0	1.07
65	155	130	110	77.1	76.3	14					2	15	4	M12	6.0	4.0	1.49
80	180	145	121	90.0	89.1	14					2	19	4	M16	6.0	4.0	1.99
90	190	155	131	102.6	101.6	14					2	19	4	M16	6.0	4.0	2.09
100	200	165	141	115.4	114.3	16					2	19	8	M16	7.0	4.0	2.39
125	235	200	176	141.2	139.8	16					2	19	8	M16	7.0	4.0	3.23
150	265	230	206	166.6	165.2	18					2	19	8	M16	7.0	5.0	4.41
175	300	260	232	192.1	190.7	18					2	23	8	M20	7.5	5.0	5.51
200	320	280	252	218.0	216.3	20					2	23	8	M20	8.5	6.0	6.33
225	345	305	277	243.7	241.8	20					2	23	12	M20	9.0	6.0	6.64
250	385	345	317	269.5	267.4	22					2	23	12	M20	10.0	6.0	9.45
300	430	390	360	321.0	318.5	22					3	23	12	M20	10.0	6.0	10.30
350	480	435	403	358.1	355.6	24					3	25	12	M22	12.0	7.0	14.00
400	540	495	463	409	406.4	24					3	25	16	M22	12.0	7.0	16.90
450	605	555	523	460	457.2	24	40	495	500	5	3	25	16	M22	12.0	7.0	24.80
500	655	605	573	511.0	508.0	24	40	546	552	5	3	25	20	M22	12.0	7.0	26.90
550	720	665	630	562.0	558.8	26	42	597	603	5	3	27	20	M24	12.0	7.0	34.10
600	770	715	680	613.0	609.6	26	44	648	654	5	3	27	20	M24	12.0	7.0	37.50
650	825	770	735	664.0	660.4	26	48	702	708	5	3	27	24	M24	12.0	7.0	42.80
700	875	820	785	715.0	711.2	26	48	751	758	5	3	27	24	M24	12.0	7.0	45.40
750	945	880	840	766.0	762.0	28	52	802	810	5	3	33	24	M30	12.0	7.0	57.10
800	995	930	890	817.0	812.8	28	52	854	862	5	3	33	24	M30	13.0	8.0	60.80
850	1045	980	940	868.0	863.6	28	54	904	912	5	3	33	24	M30	13.0	8.0	63.50
900	1095	1030	990	919.0	914.4	30	56	956	964	5	3	33	24	M30	13.0	8.0	75.30
1000	1195	1130	1090	1021.0	1016.0	32	60	1058	1066	5	3	33	28	M30	14.0	9.0	88.50
1100	1305	1240	1200	1123.0	1117.6	32					3	33	28	M30			
1200	1420	1350	1305	1225.0	1219.2	34					3	33	32	M30			
1350	1575	1505	1460		1371.6	34					3	33	32	M30			
1500	1730	1660	1615		1524.0	36					3	33	36	M30			

10K KS B1503 JIS B2220 日标法兰

10K KS B1503 JIS B2220 Flange

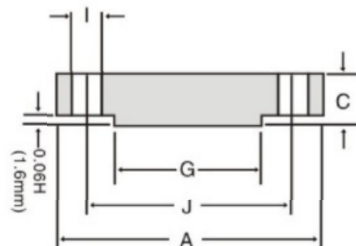


单位:毫米 Unit: mm

法兰公称通径 Nominal dia. of flange	法兰外径 Outside dia. of flange	法兰剖面尺寸Sectional dimensions of flange											对焊 Welding		重量 Weight (Kg)		
		螺栓直径 Dia. of bolt	凸面直径 Dia. of raised face	法兰内径 Inside dia. of flange	通径管外径 Outside dia. of applicable pipe	t	T	中心直径 Dia. of hub		半圆 Raised face	凸面 Raised face	孔径 Hole dia. h	螺栓孔数量 Number of bolt hole	公称通径 Nominal bolt size			
								a	b								
10	90	65	46	17.8	17.3	12					1	15	4	M12	5	2.5	0.52
15	95	70	51	22.2	21.7	12					1	15	4	M12	5	3	0.57
20	100	75	56	27.7	27.2	14					1	15	4	M12	5	3	0.73
25	125	90	67	34.5	34.0	14					1	19	4	M16	5	3	1.13
32	135	100	76	43.2	42.7	16					2	19	4	M16	6	3	1.48
50	140	105	81	49.1	48.6						2	19	4	M16	6	3	1.56
50	155	120	96	61.1	60.5	16					2	19	4	M16	6	3	1.88
65	175	140	116	77.1	76.3	18					2	19	4	M16	6.5	4	2.6
80	185	150	126	90.0	89.1	18					2	19	8	M16	6.5	4	2.61
90	195	160	136	102.6	101.6	18					2	19	8	M16	6.5	4	2.76
100	210	175	151	115.4	114.3	18					2	19	8	M16	7	4	3.14
125	250	210	182	141.2	139.8	20					2	23	8	M20	7.5	4	4.77
150	280	240	212	166.6	165.2	22					2	23	8	M20	8	5	6.34
175	305	265	237	192.1	190.7	22					2	23	12	M20	9	5	6.82
200	330	290	262	218.0	216.3	22					2	23	12	M20	9	6	7.53
225	350	310	282	243.7	241.8	22					2	23	12	M20	9	6	7.74
250	400	355	324	269.5	267.4	24	36	288	292	6	2	25	12	M22	10	6	12.7
300	445	400	368	321.0	318.5	24	38	340	346	6	3	25	16	M22	10	6	13.8
350	490	445	413	358.1	355.6	26	42	380	386	6	3	25	16	M22	12	7	18.2
400	560	510	475	409.0	406.4	28	44	436	442	6	3	27	16	M24	12	7	25.2
450	620	565	530	460.0	457.2	30	48	496	502	6	3	27	20	M24	14	8	33
500	675	620	585	511.0	508.0	30	48	548	554	6	3	27	20	M24	14	8	37.6
550	745	680	640	562.0	558.8	32	52	604	610	6	3	33	20	M30	15	9	49.7
600	795	730	690	613.0	609.6	32	52	656	662	6	3	33	24	M30	16	10	52.6
650	845	780	740	664.0	660.4	34	56	706	712	6	3	33	24	M30	16	10	60.6
700	905	840	800	715.0	711.2	34	58	762	770	6	3	33	24	M30	17	10	70.6
750	970	900	855	766.0	762.0	36	62	816	824	6	3	33	24	M30	18	11	85.8
800	1020	950	905	817.0	812.8	36	64	863	876	6	3	33	28	M30	19	12	91.2
850	1070	1000	955	868.0	863.6	36	66	920	928	6	3	33	28	M30	19	12	98.6
900	1120	1050	1005	919.0	914.4	38	70	974	979	6	3	33	28	M30	22	14	109
1000	1235	1160	1110	1021.0	1016.0	40	74	1023	1081	6	3	39	28	M36	22	14	133
1100	1345	1270	1220	1123.0	1117.6	42					3	39	28	M36			
1200	1465	1380	1325	1225.0	1219.2	44					3	39	32	M36			
1350	1630	1540	1480		1371.6	48					3	45	36	M42			
1500	1795	1700	1635		1524.0	50					3	45	40	M42			



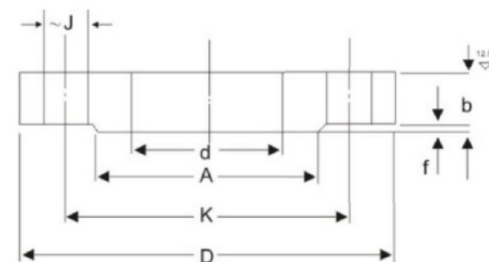
CLASS 150 美标法兰 CLASS 150 ANSI FLANGE



CLASS 150 IB

管道 Pipe	法兰数据 Flange Data				凸面 Raised Face	钻孔数据 Drilling Data			重量 Weight
管道公称尺寸 Nominal pipe size	A	C	G	H	I	J	公斤/块 kg/piece		
外径 Outside Diameter	总直径 Overall Diameter	法兰最小厚度 Flange Thickness min	端面铣刀 Face Diameter	孔数 Number of Holes	螺栓孔直径 Bolt Hole Diameter	钻孔直径 Diameter of Circle Holes			
in mm	in mm	in mm	in mm		in mm	in mm			
1/2	0.840 21.30	3.500 88.90	0.440 11.20	1.380 35.10	4	0.620 15.70	2.380 60.45	0.42	
3/4	1.050 26.70	3.880 98.60	0.500 12.70	1.690 42.90	4	0.620 15.70	2.750 69.85	0.61	
1	1.315 33.40	4.250 108.0	0.560 14.20	2.000 50.80	4	0.620 15.70	3.120 79.25	0.86	
1 1/4	1.660 42.20	4.620 117.3	0.620 15.70	2.500 63.50	4	0.620 15.70	3.500 88.90	1.17	
1 1/2	1.900 48.30	5.000 127.0	0.690 17.50	2.880 73.15	4	0.620 15.70	3.880 98.60	1.53	
2	2.375 60.30	6.000 152.4	0.750 19.10	3.620 91.90	4	0.750 19.10	4.750 120.7	2.42	
2 1/2	2.875 73.00	7.000 177.8	0.880 22.40	4.120 104.6	4	0.750 19.10	5.500 139.7	3.94	
3	3.500 88.90	7.500 190.5	0.940 23.90	5.000 127.0	4	0.750 19.10	6.000 152.4	4.93	
3 1/2	4.000 101.6	8.500 215.9	0.940 23.90	5.500 139.7	8	0.750 19.10	7.000 177.8	6.17	
4	4.500 114.3	9.000 228.6	0.940 23.90	6.190 157.2	8	0.750 19.10	7.500 190.5	7.00	
5	5.563 141.3	10.00 254.0	0.940 23.90	7.310 185.7	8	0.880 22.40	8.500 215.9	8.63	
6	6.625 168.3	11.00 279.4	1.000 25.40	8.500 215.9	8	0.880 22.40	9.500 241.3	11.3	
8	8.625 219.1	13.50 342.9	1.120 28.40	10.62 269.7	8	0.880 22.40	11.75 298.5	19.6	
10	10.75 273.0	16.00 406.4	1.190 30.20	12.75 323.9	12	1.000 25.40	14.25 362.0	28.8	
12	12.75 323.8	19.00 482.6	1.250 31.75	15.00 381.0	12	1.000 25.40	17.00 431.8	43.2	
14	14.00 355.6	21.00 533.4	1.380 35.10	16.25 412.8	12	1.120 28.40	18.75 476.3	58.1	
16	16.00 406.4	23.50 596.9	1.440 36.80	18.50 469.9	16	1.120 28.40	21.25 539.8	76.0	
18	18.00 457.2	25.00 635.0	1.560 39.60	21.00 533.4	16	1.250 31.75	22.75 577.9	93.7	
20	20.00 508.0	27.50 698.5	1.690 42.90	23.00 584.2	20	1.250 31.75	25.00 635.0	122	
24	24.00 609.6	32.00 812.8	1.880 47.80	27.25 692.2	20	1.380 35.10	28.50 729.3	185	

BS4504 101 RF PN16 英标法兰 BS4504 101 RF PN16 Flange



公称口径 ND	D	d	b	k	孔数 Number of hole	j	f	A
15	95	22	14	65	4	14	2	45
20	105	27.5	16	75	4	14	2	58
25	115	34.5	16	85	4	14	2	68
32	140	43.5	18	100	4	18	2	78
40	150	49.5	18	110	4	18	3	88
50	165	61.5	20	125	4	18	3	102
65	185	77.5	20	145	4	18	3	122
80	200	90.5	20	160	8	18	3	138
100	220	116	22	180	8	18	3	158
125	250	141.5	22	210	8	18	3	188
150	285	170.5	24	240	8	22	3	212
200	340	221.5	26	295	12	22	3	268
250	405	276.5	29	355	12	26	3	320
300	460	327.5	32	410	12	26	4	378
350	520	359.0	35	470	16	26	4	438
400	580	411	38	525	16	30	4	490
450	640	462	42	585	20	30	4	550
500	715	513.5	46	650	20	33	4	610
600	840	616.5	52	770	20	36	5	725
700	910	716.5	60	840	24	36	5	795
800	1025	818.5	68	950	24	39	5	900
900	1125	920.5	76	1050	28	39	5	1000
1000	1255	1022.5	84	1170	28	42	5	1115
1200	1485	1227.5	98	1300	32	48	5	1330



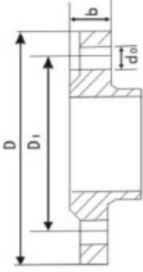
中华人民共和国法兰标准

公称 直径 DN	PN6				PN10				PN16				PN25												
	内径 D	中心 距D ₁	厚度 b	孔数 n	重量 kg	内径 D	外径 D ₁	厚度 b	孔数 n	重量 kg	内径 D	外径 D ₁	厚度 b	孔数 n	重量 kg	内径 D	外径 D ₁	厚度 b	孔数 n	重量 kg					
32	38	120	90	16	4	1,097	38	135	100	16	4	1.4	38	135	100	16	4	1.6	38	135	100	20	18	4	1.96
40	48	130	100	16	4	1,219	48	145	110	18	4	1.71	48	145	110	20	4	2.00	48	145	110	22	18	4	2.16
50	57	140	110	16	4	1,348	57	160	125	18	4	2.09	57	160	125	22	4	2.61	57	160	125	24	18	4	2.71
65	76	160	130	16	4	1,677	76	180	145	20	4	2.84	76	180	145	24	4	3.45	76	180	145	24	18	4	3.45
80	89	185	150	18	4	2,488	89	195	160	20	4	3.24	89	195	160	24	4	3.71	89	195	160	26	18	4	4.06
100	108	205	170	18	4	2,869	108	215	180	22	4	4.01	108	215	180	26	4	4.8	108	230	190	28	23	8	6.00
125	133	235	200	20	4	3,943	133	245	210	24	4	5.4	133	245	210	28	4	6.47	133	270	220	30	26	8	8.26
150	159	260	225	20	4	4,477	159	280	240	24	4	6.67	159	280	240	28	4	7.92	159	300	250	30	26	8	10.4
200	219	315	280	22	4	6,077	219	335	295	24	4	8.24	219	335	295	30	4	10.1	219	360	310	32	26	12	14.5
250	273	370	335	24	4	8,033	273	390	350	26	4	10.77	273	390	350	32	4	15.7	273	425	370	34	30	12	18.9
300	325	435	395	24	4	10,332	325	440	400	28	4	12.12	325	440	400	32	4	18.1	325	485	430	36	30	16	26.8
350	377	485	445	26	4	12,597	377	500	460	28	4	15.93	377	520	470	34	4	23.3	377	550	490	42	34	16	34.35
400	426	535	495	28	4	15,242	426	565	515	30	4	18.42	426	580	525	38	4	31	426	610	550	44	34	16	44.9
450	478	590	550	28	4	17,597	478	615	565	30	4	20.44	478	640	585	42	4	40.2	478	665	600	48	36	20	51.92
500	529	640	600	30	4	20,677	529	670	620	32	4	22.77	529	715	650	45	4	55.7	529	730	660	52	36	20	67.3
600	630	755	705	30	4	26,577	630	780	725	36	4	28.39	630	840	770	50	4	80.3	630	840	770	56	39	20	90
800	824	975	920	32	4	37,172	824	1010	950	38	4	40.34	824	1025	960	54	4	118.97	824	1080	990	68	64	24	127.113
900	924	1075	1020	34	4	45,192	924	1110	1050	42	4	52.85	924	1125	1050	66	4	186.11	924	1180	1090	74	66	28	208.178
1000	1024	1175	1120	36	4	52,857	1024	1220	1160	44	4	59.36	1024	1255	1170	72	4	196.151	1024	1300	1210	82	66	28	283.225
1200	1224	1400	1340	40	4	67,142	1224	1450	1380	48	4	77.82	1224	1485	1390	78	4	284.208	1224	1525	1420	90	72	32	387.307
1400	1424	1620	1560	44	4	83,361	1424	1675	1590	54	4	94.42	1424	1685	1590	84	4	358.232	1424	1750	1640	98	78	36	510.410
1600	1624	1820	1760	48	4	99,426	1624	1915	1820	62	4	108.35	1624	1930	1820	90	4	512.983							
1800	1824	2046	1970	50	4	115,226	1824	2115	2020	66	4	119.82	1824	2130	2020	72	4								
2000	2024	2265	2180	54	4	132,226	2024	2325	2230	72	4	132.22	2024	2345	2230	80	4								
2200	2226	2475	2390	60	4	148,226	2226	2550	2440	72	4	148.22													
2400	2426	2685	2600	62	4	164,226																			
2600	2626	2900	2810	64	4	180,226																			
2800	2826	3110	3020	68	4	196,226																			
3000	3026	3310	3220	70	4	212,226																			

中华人民共和国法兰国家标准

The flange of the People's Republic of China national standards
平面、突面对焊钢制管法兰
The plane, in the face of welded steel pipe flanges

公称直径 DN	PN0.6MPa				PN1.0MPa				PN1.6MPa			
	D	D ₁	b	do	D	D ₁	b	do	D	D ₁	b	do
40	130	100	16	14	M12	4	150	110	18	18	18	18
50	140	110	16	14	M12	4	165	125	20	18	18	18
65	160	130	16	14	M12	4	185	145	20	18	18	18
80	190	150	18	16	M16	4	200	160	20	18	18	18
100	210	170	18	16	M16	4	220	180	22	18	18	18
125	240	200	18	16	M16	8	250	210	22	18	18	18
150	265	225	20	18	M16	8	285	240	24	22	22	22
200	320	280	22	18	M16	8	340	295	24	22	22	22
250	375	335	24	18	M16	12	395	350	26	22	22	22
300	440	395	24	18	M20	12	445	400	26	22	22	22
350	490	445	24	22	M20	12	505	460	26	22	22	22
400	540	495	24	22	M20	16	565	515	26	26	26	26
450	595	550	24	22	M20	16	615	565	28	26	26	26
500	645	600	26	22	M20	20	670	620	28	26	26	26
600	755	705	30	22	M24	20	780	725	34	30	30	30
700	860	810	26	26	M24	24	895	840	34	30	30	30
800	975	920	26	26	M27	24	1015	950	36	33	33	33
900	1075	1020	26	30	M27	24	1115	1050	38	33	33	33
1000	1175	1120	28	30	M27	28	1230	1160	38	36	36	36
1200	1405	1340	28	30	M30	32	1455	1380	44	39	39	39
1400	1630	1560	32	33	M33	36	1675	1590	48	42	42	42
1500	1730	1660	32	36	M33	36	1820	1730	48	42	42	42
1600	1830	1760	34	36	M33	40	1915	1820	52	48	48	48
1800	2045	1970	36	36	M36	44	2115	2020	56	48	48	48
2000	2285	2180	38	39	M39	48	2325	2230	60	48	48	48
2200	2475	2390	42	42	M39	52	2550	2440	60	56	56	56
2400	2685	2600	44	42	M39	56	2760	2650	56	56	56	56
2600	2905	2810	46	42	M45	60	2960	2850	56	56	56	56
2800	3115	3020	48	48	M45	64	3180	3070	56	56	56	56
3000	3315	3220	50	48	M45	68	3405	3290	62	62	62	62



D 法兰外径
D₁ 中心直径
D₀ 螺栓孔径

注: (1) 法兰标准摘自: GB/T9113.1-2000
(2) 本公司所生产各种管法兰连接数据以此表为基础。
(3) 法兰尺寸可根据用户提供的数据和图纸制造。