



Pipe fittings series



Pipe fittings series

WEISIDUN GROUP

集团总部：中国·郑州华南城中原电商大厦
分工厂：上海·天津·温州·河北·大连
驻外分公司：非洲·坦桑尼亚·肯尼亚

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www.wsdvalve.com
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Group headquarters: Central Plains E-Commerce Building, Zhengzhou South city, China
Branch Factory: Shanghai, Tianjin, Wenzhou, Hebei, Dalian
Branch Company In Overseas: Tanzania, Kenya In Africa

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WEISIDUN GROUP

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企业简介 ❖❖❖

Brief Introduction

WeiSiDun Group. Headquartered in ZhengZhou, which is the geographical center of China, Central Plains hinterland, China's major railways, aviation, highways, electricity, post and telecommunications hub cities, International Air Logistics Center, also an international land port city!

Group consists of six companies, in addition to HeNan WeiSiDun Import and Export Trading Co., Ltd. which is specialized in the import and export of foreign trade, the other five companies all producing factories, Hebei iron valves branch, Wenzhou casting

steel valves, Tianjin butterfly valves, Dalian pipe fittings branch and Ningbo Instrument branch. Beyond that, we also have two branches abroad. One is in Tanzania, the other is in Kenya.

The major products for a variety of valves of cast iron, steel, stainless, steel, copper materials; malleable iron and stainless steel pipe fittings; ductile iron, stainless steel fittings; flanges and other products, mainly used in construction, petroleum, chemical, power, water supply and drainage, municipal, medical people's livelihood and other industries.

The company is equipped with mechanical processing center, physical and chemical center. Each production is charged by a specific department, which makes the pass rate reach 100%. High quality not only bring competitive advantage for us, but also provide economic benefit and guarantee for our customers.

2015, In order to better serve Africa, the huge potential market, our Group set up its own office in Africa, as the goal for the service and push the construction and development of Africa.

In the spirit of "Science and technology constitutes the first productive force". Our company has always made full use of high technology to improve our products, taken the needs of customers at the foremost. The company's goal is: wholeheartedly serve the customer. We sincerely welcome all the friends from home and broad to cooperate each other and create a bright future.



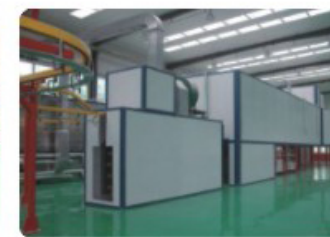
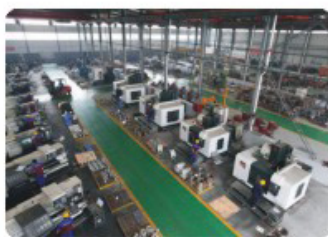
生产车间
Production workshop

The pursuit of excellence, continuous innovation, to build Weisidun valve brand

追求卓越，不断创新，全力打造威斯盾阀门品牌

我们深知设备对企业发展的重，多年来一直不遗余力的对软硬件设施进行更新研发。不但引进了国外各种先进设备和生产技术，同时还对专用装备进行开发，自动连续化生产线已经实现。生产体系的完善构筑，使企业在行业更专业也更全面。

We know to the enterprise development important equipment, has for years been sparing no effort to update the software and hardware facilities development. Not only the introduction of foreign advanced equipment and production technology, and also of special equipment for development, automatic continuous production line has been achieved. The improvement of the production system construction, make the enterprise line has a more professional and more comprehensive.





质量检测 Quality Inspection

Perfect quality from the product of professional technical testing

完美的品质源于对产品专业的技术检测

威斯盾对每一个产品都进行严格的检测，检测员高度负责的用心溶于每一个部件中，加上最先进的检测设备和严格的科学化管理，使每一个生产的成品经得住顾客的精心挑选。威斯盾人庄严承诺让每一个生产产品都达到出厂标准，这正是威斯盾产品得以畅销的秘诀所在。

Weisdun of rigorous testing of each product. Inspector highly responsible carefully dissolved in every part, coupled with the most advanced detection equipment and strict scientific management, so that each production of refined withstand customer carefully selected. Weisdun solemn promise to let each production products meet the standard factory, This is the secret of Weisdun products selling.



镀锌管件类

Galvanized pipe fittings

镀锌管件类
Galvanized pipe fittings

沟槽管件类

Groove pipe fitting class

沟槽管件类
Groove pipe fitting class

钢卡

Coupling

沟槽式机械三通

Grooved mechanical tee

螺纹式机械三通

Threaded mechanical tee

沟槽法兰

Grooved flange

弯头

Elbow

正三通

Tee

沟槽异径三通

Grooved reducing tee

螺纹式异径三通

Threaded reducing tee

正四通

Cross

沟槽/螺纹异径四通

Grooved/Threaded reducing Cross

盲片

Cap

异径管箍

Reducer

转换法兰

Adaptor flange

铸铁管件类

Cast iron pipe fittings

铸铁管件类
Cast iron pipe fittings

双盘弯管

Double flange bend

全盘三通

All flange tee

双盘变径管

Double flange taper

双盘长半径弯管/喇叭口

Double flange long bend/Bell mouth

双盘鸭嘴弯管/全盘四通

Double flange duckfoot bend/All flange ross

盲片

Blank flange

接头类

Joint class

接头类

Joint class

广范围柔性接头

Expansion flexible coupling

广范围法兰接头

Expansion flange coupling

01-03

单球橡胶接头

Single ball rubber joint

双球橡胶接头

Double ball rubber joint

双法兰限位伸缩接头

Double flange limited expansion joint

可拆卸双法兰传力接头

Detachable double flange transmission joint

单法兰传力接头

Single flange transmission joint

双法兰传力接头

Double flange transmission joint

07-08

减震式波纹补偿器

Damping corrugated hose

管件法兰类

Pipe flange

管件法兰类

Pipe flange

焊接弯头

Welding elbow

焊接三通/四通

Welding tee/Ross

PL板式平焊法兰

Plate welded steel pipe flange

SO美标带颈平焊法兰

Slip on flange with neck

不锈钢螺纹管件

Stainless steel threaded fittings

高压承插管

High pressure socket pipe

17-19

承插焊异径插入件

Insert A socket adapter

承插焊和螺纹活接头

Socket union & threaded union

计量仪表类

Instrument class

计量仪表类

Instrument class

螺纹式水表

Threaded water meter

法兰式水表

Flange water meter

电磁流量计

Electromagnetic flowmeter

消防系列

Fire control series

消防喷头

Fire sprinkler

消防箱

Fire cabinet

消防水枪

Fire nozzle

消防栓

Fire hydrant

消防水带

Fire hose

消防卷盘

Fire reel

32-33

34-35

36

37

38

39

40

41

42

46-47

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54-56

57-59

60-65

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67-68

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Galvanized pipe fittings

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镀锌管件类



强强联合 建支一级代理商

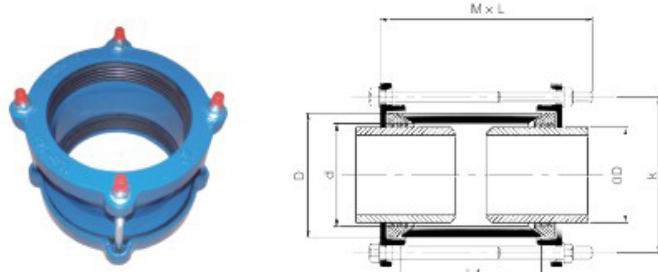


Joint class

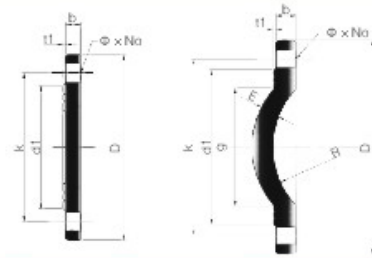
接头类

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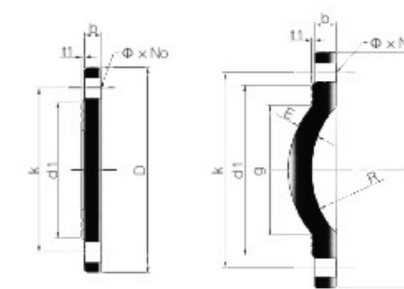


DN	OD/mm	D/mm	d/mm	K/mm	L1/mm	M x L/mm
50	66	86	70	125	102	M12 x 170 x 2
65	82	100	86	145	102	M12 x 170 x 4
80	98	124	103	158	102	M12 x 170 x 4
100	118	144	123	178	102	M12 x 170 x 4
150	170	197	175	236	102	M12 x 170 x 4
200	222	250	227	293	102	M12 x 180 x 6
250	274	302	280	345	102	M12 x 190 x 6
300	326	358	332	402	102	M12 x 190 x 6
350	378	410	384	460	152	M16 x 240 x 8
400	429	462	435	506	152	M16 x 240 x 8
450	480	512	486	556	152	M16 x 240 x 10
500	532	564	538	605	152	M16 x 250 x 10
600	635	668	642	616	152	M16 x 250 x 10
700	738	772	745	820	152	M16 x 260 x 12
800	842	875	849	929	152	M16 x 260 x 12
900	945	978	952	1030	178	M16 x 290 x 14
1000	1048	1082	1056	1143	178	M16 x 290 x 14
1100	1152	1189	1160	1254	178	M16 x 310 x 16
1200	1255	1293	1265	1359	178	M16 x 310 x 16
1400	1462	1502	1472	1576	178	M20 x 320 x 18
1500	1565	1614	1575	1684	178	M20 x 340 x 18
1600	1668	1715	1678	1790	178	M20 x 350 x 20
1800	1875	1926	1887	1997	200	M20 x 380 x 22
2000	2082	2138	2096	2193	210	M20 x 380 x 24



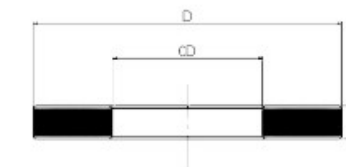
Blank Flange PN16

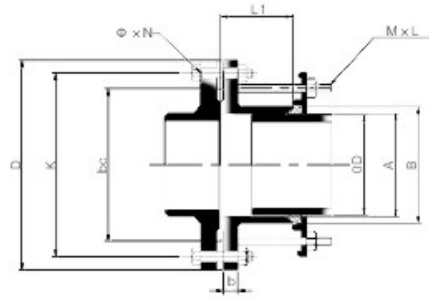
DN	D/mm	b/mm	K/mm	t1/mm	d1/mm	Φ x No/mm	BOLTS	E/mm	g/mm	R/mm
50	165	16	125	3	99	19 x 4	M16			
65	185	16	145	3	118	19 x 4	M16			
80	200	16	160	3	132	19 x 8	M16			
100	220	16	180	3	156	19 x 8	M16			
150	285	16	240	3	211	23 x 8	M20			
200	340	17	295	3	266	23 x 12	M20			
250	400	19	355	3	319	28 x 12	M24			
300	455	20.5	410	4	370	28 x 12	M24			
350	520	22.5	470	4	429	28 x 16	M24	22.5	325	325
400	580	24	525	4	480	31 x 16	M27	24	375	375
450	640	26	585	4	548	31 x 20	M27	26	425	425
500	715	27.5	650	4	609	34 x 20	M30	27.5	475	475
600	840	31	770	5	720	37 x 20	M33	31	575	575
700	910	34.5	840	5	794	37 x 24	M33	34.5	675	675
800	1025	38	950	5	901	40 x 24	M36	38	775	775
900	1125	41.5	1050	5	1001	40 x 28	M36	41.5	875	875
1000	1255	45	1170	5	1112	43 x 28	M39	45	975	975
1200	1485	52	1390	5	1328	49 x 32	M45	52	1175	1175
1400	1685	55	1590	5	1530	49 x 36	M45	55	1375	1375
1600	1930	60	1820	5	1750	56 x 40	M52	60	1575	1575
1800	2130	65	2020	5	1950	56 x 44	M52	65	1775	1775
2000	2345	70	2230	5	2150	62 x 48	M56	70	1975	1975



Blank Flange PN10

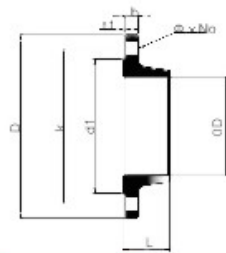
DN	D/mm	b/mm	K/mm	t1/mm	d1/mm	Φ x No/mm	BOLTS	E/mm	g/mm	R/mm
50	165	16	125	3	99	19 x 4	M16			
65	185	16	145	3	118	19 x 4	M16			
80	200	16	160	3	132	19 x 8	M16			
100	220	16	180	3	156	19 x 8	M16			
150	285	16	240	3	211	23 x 8	M20			
200	340	17	295	3	266	23 x 8	M20			
250	400	19	350	3	319	23 x 12	M20			
300	455	20.5	400	4	370	23 x 12	M20			
350	505	20.5	460	4	429	23 x 16	M20	20.5	325	325
400	565	20.5	515	4	480	28 x 16	M24	20.5	375	375
450	615	21.5	565	4	530	28 x 20	M24	21.5	425	425
500	670	22.5	620	4	582	28 x 20	M24	22.5	475	475
600	780	25	725	5	682	31 x 20	M27	25	575	575
700	895	27.5	840	5	794	31 x 24	M27	27.5	675	675
800	1015	30	950	5	901	34 x 24	M30	30	775	775
900	1115	32.5	1050	5	1001	34 x 28	M30	32.5	875	875
1000	1230	35	1160	5	1112	37 x 28	M33	35	975	975
1200	1455	40	1380	5	1328	40 x 32	M36	40	1175	1175
1400	1675	41	1590	5	1530	43 x 36	M39	41	1375	1375
1600	1915	44	1820	5	1750	49 x 40	M45	44	1575	1575
1800	2115	47	2020	5	1950	49 x 44	M45	47	1775	1775
2000	2325	50	2230	5	2150	49 x 48	M45	50	1975	1975





Flange Adaptor PN16

DN	OD/mm	D/mm	b/mm	K/mm	L1/mm	A/mm	B/mm	bc/mm	L1/mm	Φ x No/mm	M x L/mm
50	66	165	16	125	73	71	88	125	70	19 x 4	M12 x 110 x 4
65	82	185	16	145	73	87	105	145	70	19 x 4	M12 x 110 x 4
80	98	200	16	160	73	104	124	158	73	19 x 8	M12 x 110 x 4
100	118	220	16	180	73	123	144	180	73	19 x 8	M12 x 110 x 4
125	144	250	16	210	76	149	170	210	76	19 x 8	M12 x 120 x 4
150	170	285	16	240	76	175	197	240	76	23 x 8	M12 x 120 x 4
200	222	340	17	295	80	227	250	295	80	23 x 12	M12 x 130 x 6
250	274	400	19	355	90	279	302	345	90	28 x 12	M12 x 130 x 6
300	326	455	20.5	410	90	332	356	402	90	28 x 12	M12 x 130 x 6
350	378	520	22.5	470	100	384	410	460	100	28 x 16	M16 x 150 x 8
400	429	580	24	525	100	435	460	506	100	31 x 16	M16 x 150 x 8
450	480	640	26	585	100	486	512	556	100	31 x 20	M16 x 160 x 10
500	532	715	27.5	650	100	538	565	605	100	34 x 20	M16 x 160 x 10
600	635	840	31	770	100	642	668	716	100	37 x 20	M16 x 160 x 10
700	738	910	34.5	840	115	745	772	820	115	37 x 24	M16 x 180 x 12
800	842	1025	38	950	115	849	875	929	115	40 x 24	M16 x 180 x 12
900	945	1125	41.5	1050	115	953	982	1030	115	40 x 28	M16 x 180 x 14
1000	1048	1255	45	1170	115	1056	1086	1143	115	43 x 28	M20 x 180 x 14
1200	1255	1485	52	1390	115	1265	1295	1359	115	49 x 32	1120 x 200 x 16
1400	1462	1685	55	1590	127	1474	1504	1576	127	49 x 36	1120 x 220 x 18
1600	1668	1930	60	1820	190	1678	1716	1790	190	56 x 40	M20 x 240 x 20
1800	1875	2130	65	2020	190	1887	1927	1997	200	56 x 44	1120 x 240 x 22
2000	2082	2345	70	2230	195	2087	2126	2193	210	62 x 48	1120 x 250 x 24



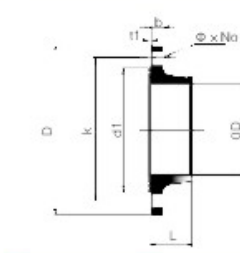
PN16

DN	OD/mm	D/mm	b/mm	K/mm	t1/mm	d1/mm	L/mm	Φ x No/mm	BOLTS
80	98	200	16	160	3	132	42	19 x 8	M16
100	118	220	16	180	3	156	42	19 x 8	M16
150	170	285	16	240	3	211	45	23 x 8	M20
200	222	340	17	295	3	266	50	23 x 12	M20
250	274	400	19	355	3	319	55	28 x 12	M24
300	326	455	20.5	410	4	370	65	28 x 12	M24
350	378	520	22.5	470	4	429	65	28 x 16	M24
400	429	580	24	525	4	480	72	31 x 16	M27
450	480	640	26	585	4	548	75	31 x 20	M27
500	532	715	27.5	650	4	609	80	34 x 20	M30
600	635	840	31	770	5	720	90	37 x 20	M33
700	738	910	34.5	840	5	794	105	37 x 24	M33
800	842	1025	38	950	5	901	105	40 x 24	M36
900	945	1125	41.5	1050	5	1001	110	40 x 28	M36
1000	1048	1255	45	1170	5	1112	135	43 x 28	M39
1200	1255	1485	52	1390	5	1328	135	49 x 32	M45
1400	1462	1685	55	1590	5	1530	140	49 x 36	M45
1600	1668	1930	60	1820	5	1750	145	56 x 40	M52
1800	1875	2130	65	2020	5	1950	150	56 x 44	M52
2000	2082	2345	70	2230	5	2150	160	62 x 48	M56



PN10

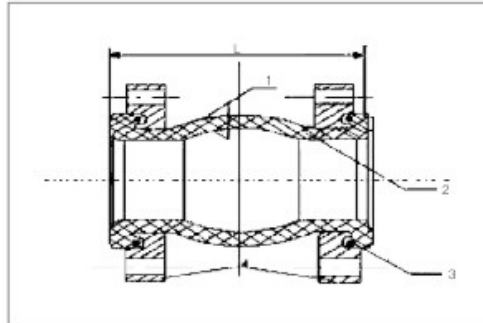
DN	OD/mm	D/mm	b/mm	K/mm	t1/mm	d1/mm	L/mm	Φ x No/mm	BOLTS
80	98	200	16	160	3	132	42	19 x 8	M16
100	118	220	16	180	3	156	42	19 x 8	M16
150	170	285	16	240	3	211	45	23 x 8	M20
200	222	340	17	295	3	266	50	23 x 8	M20
250	274	400	19	355	3	319	55	23 x 12	M20
300	326	455	20.5	400	4	370	65	23 x 12	M20
350	378	505	20.5	460	4	429	65	23 x 16	M20
400	429	565	20.5	515	4	480	70	28 x 16	M24
450	480	615	21.5	565	4	530	75	28 x 20	M24
500	532	670	22.5	620	4	582	75	28 x 20	M24
600	635	780	25	725	5	682	95	31 x 20	M27
700	738	895	27.5	840	5	794	115	31 x 24	M27
800	842	1015	30	950	5	901	120	34 x 24	M30
900	945	1115	32.5	1050	5	1001	115	34 x 28	M30
1000	1048	1230	35	1160	5	1112	120	37 x 28	M33
1200	1255	1455	40	1380	5	1328	135	40 x 32	M36
1400	1462	1675	41	1590	5	1530	130	43 x 36	M39
1600	1668	1915	44	1820	5	1750	135	49 x 40	M45
1800	1875	2115	47	2020	5	1950	140	49 x 44	M45
2000	2082	2325	50	2230	5	2150	150	49 x 48	M45



PN25

DN	OD/mm	D/mm	b/mm	K/mm	t1/mm	d1/mm	L/mm	Φ x No/mm	BOLTS
80	98	200	16	160	3	132	42	19 x 8	M16
100	118	235	16	190	3	156	45	23 x 8	M20
150	170	300	17	250	3	211	45	28 x 8	M24
200	222	360	19	310	3	274	60	28 x 12	M24
250	274	425	21.5	370	3	330	60	31 x 12	M27
300	326	485	23.5	430	4	389	60	31 x 16	M27
350	378	555	26	490	4	448	65	34 x 16	M30
400	429	620	28	550	4	503	70	37 x 16	M33
450	480	670	30.5	600	4	548	73	37 x 20	M33
500	532	730	32.5	660	4	609	80	37 x 20	M33
600	635	845	37	770	5	720	85	40 x 20	M36
700	738	960	41.5	875	5	820	98	43 x 24	M39
800	842	1085	46	990	5	928	113	49 x 24	M45
900	945	1185	50.5	1090	5	1028	110	49 x 28	M45
1000	1048	1320	55	1210	5	1140	130	56 x 28	M52
1200	1255	1530	64	1420	5	1350	140	56 x 32	M52

KXT-A型可曲挠橡胶接头
KXT-A Flexible Rubber Joint



KXT-B型可曲挠防拉脱橡胶接头
KXT-B Flexible Anti-pull Rubber Joint



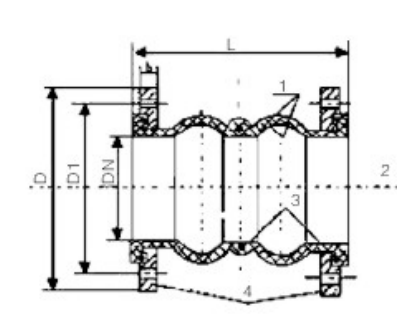
技术条件 Technical Parameters

项目 Item	型号 Model	KXT-A1	KXT-A2	KXT-A3
工作压力 MPa(kgf/cm ²) Working pressure		1.0(10)	1.6(16)	2.5(25)
爆破压力 MPa(kgf/cm ²) Expulsion pressure		2.0(20)	3.0(30)	4.5(45)
真空度 KPa(mm/Hg) Vacuum		53.3(400)	86.7(650)	100(750)
适用温度 °C Applicable Temperature		-15°C~+115°C特殊可达-30°C~+250°C -15°C~+115°C(-30°C~+250°C under special conditions)		
适用介质 Applicable Media		空气、压缩空气、水、海水、热水、油、酸、碱等 Air, compressed air, water, sea water, hot water, oil, acid, alkali, and so on		

主要数据 Main data

公称通径 DN Nominal Diameter		长度 Length (mm)	轴向位移 Axial displacement (mm)		横向位移 Horizontal displacement (mm)	偏转角度 Angular deflection (a1+a2)
毫米 mm	英寸 inch		伸长 Extension	压缩 Compression		
32	1.25	95	6	9	9	15
40	1.5	95	6	10	9	15
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	180	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	6	25	22	15
600	24	260	6	25	22	15
700	28	260	16	25	22	15
800	32	260	16	25	22	15
900	36	260	6	25	22	15
1000	40	260	18	26	24	15
1200	48	260	18	26	24	15
1400	56	350	20	28	26	15
1600	64	350	25	35	30	10

KXT-S型可曲挠双球体橡胶接头
KXT-S Flexible Dual-Spherical Rubber Joint



技术条件 Technical Parameters

项目 Item	型号 Model	KXT-S1	KXT-S2	KXT-S3
工作压力 MPa(kgf/cm ²) Working pressure		1.0(10)	1.6(16)	2.5(25)
爆破压力 MPa(kgf/cm ²) Expulsion pressure		2.0(20)	3.0(30)	4.5(45)
真空度 KPa(mm/Hg) Vacuum		53.3(400)	86.7(650)	100(750)
适用温度 °C Applicable Temperature		-15°C~+115°C特殊可达-30°C~+250°C -15°C~+115°C(-30°C~+250°C under special conditions)		
适用介质 Applicable Media		空气、压缩空气、水、海水、热水、油、酸、碱等 Air, compressed air, water, sea water, hot water, oil, acid, alkali, and so on		

主要数据 Main data

公称通径 DN Nominal Diameter		长度 L (mm)	法兰厚度 Flange thickness (mm)	螺栓数 Bolts Qty n	螺栓孔直径 D Diameter of Bolt hole (mm)	螺栓孔中心圆直径 D1 (mm)	轴向位移 Axial displacement (mm)		横向位移 Horizontal displacement (mm)	偏转角度 Angular deflection (a1+a2)
毫米 mm	英寸 inch						伸长 Extension	压缩 Compression		
40	1.5	150	18	4	18	110	10	20	20	30
50	2	150	20	4	18	125	10	20	20	30
65	2.5	150	20	4	18	145	10	20	20	30
80	3	150	20	8	18	160	10	20	20	30
100	4	200	22	8	18	180	15	30	25	30
125	5	200	22	8	23	210	15	3.0	25	30
150	6	200	24	8	23	240	15	30	25	30
200	8	220	24	8	23	295	20	40	30	30
250	10	220	26	12	23	350	20	40	30	30
300	12	320	26	12	23	400	20	40	30	30
350	14	320	26	16	23	460	20	40	30	30
400	16	320	26	16	25	515	20	40	30	30
450	18	320	28	20	25	565	25	45	30	30
500	20	320	28	20	25	620	25	45	30	30
600	24	320	30	20	30	725	25	45	30	30

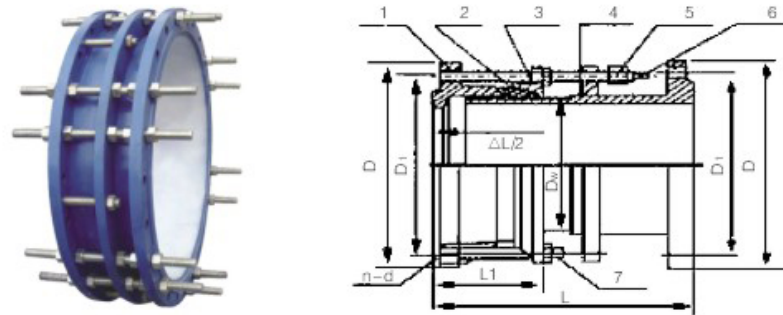
注:

- 特殊要求可按用户图纸制作, 法兰标准采用GB/T9115.1-2000, 球体可做丁腈橡胶, 三元乙丙, 氯丁橡胶等材质。
- 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。
- 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。

Notes:

- For special order, products can be made according to customer's requirements, flange standard is based on GB/T9115.1-2000, the materials of spheres are Buna, EPDM, chloroprene rubber and so on.
- The product with DN > 200mm is available for water supplying overhead. The pipe must be equipped with fixed support or fixed bracket, if not, the product shall be installed with escapement.
- When using Rubber Joints, the matching flanges should be valve flanges or GB/T9115.1(RF) FLANGES.

VSSJA-1(B2F)型双法兰限位伸缩接头
VSSJA-2(B2F) Double Flange Limited Expansion Joint

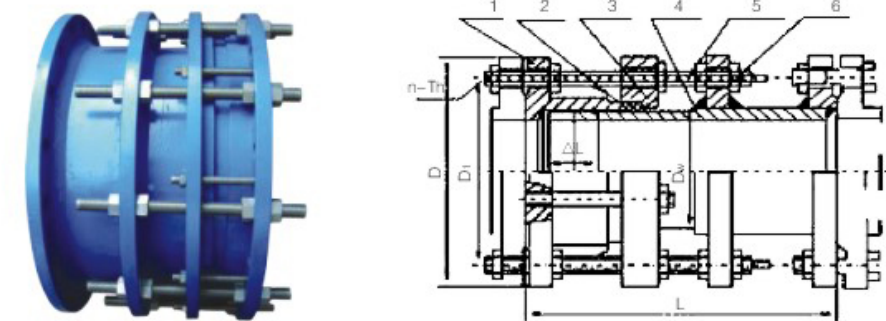


序号 No.	名称 Name	数量 Quantity	材料 Material
1	本体 Body	1	QT400-15, Q235A, ZG230-450, 20
2	密封圈 Gasket	1	NBR
3	压盖 Gland	1	QT400-15, Q235A, ZG230-450, 20
4	限位短管 Limited short pipe	1	Q234A, 20, 16Mn
5	螺母 Nut	4n	Q235A, 20, 1Cr18Ni9Ti
6	长螺栓 Long bolt	n	Q235A, 35, 1Cr18Ni9Ti
7	螺栓 Bolt	n	Q235A, 35, 1Cr18Ni9Ti

主要数据 Main data

公称通径 DN Nominal Diameter	管子外径 Dw	外形尺寸Length		伸缩量 Compensation △L	法兰连接尺寸 Flange connecting dimension					
					0.6MPa			1.0MPa		
		L	L1		D	D ₁	n-φo	D	D ₁	n-φo
65	76	340	105	50	160	130	4-φ14	185	145	4-φ18
80	89				190	150	4-φ18	200	160	8-φ18
100	108				210	170		220	180	
	114									
125	133	340	105	50	240	200	4-φ18	250	210	8-φ18
	140				8-φ18	285	240	8-φ22		
150	159					320	280		340	295
	168					375	335		12-φ18	395
200	219				370	130	65	440	395	12-φ22
250	273	490	445	505				460		
300	325	540	495	16-φ22				565	515	16-φ26
350	377	595	550					615	565	20-φ26
400	426	645	600	20-φ22				670	620	
450	480	755	705	20-φ26				780	725	24-φ30
500	530	860	810	24-φ26				895	840	24-φ30
600	630	600	220	130				975	920	24-φ30
700	720				107	1020	1115	1050	28-φ33	
800	820				117	1120	28-φ30	1230	1160	28-φ36
900	920				140	1340	32-φ33	1455	1380	32-φ40
1000	1020				163	1560	36-φ36	1675	1590	36-φ42
1200	1220	173	1660	-	-	-				
1400	1420	640	220	130	183	1760	40-φ36	1915	1820	40-φ48
1500	1520				204	1970	44-φ40	2115	2020	44-φ48
1600	1620				226	2180	48-φ42	2325	2230	48-φ48
1800	1820				247	2390	52-φ42	2550	2440	52-φ56
2000	2020				268	2600	56-φ42	2760	2650	56-φ56
2200	2220	710	220	140	290	2810	60-φ48	2960	2850	60-φ56
2400	2420				311	3020	64-φ48	3180	3070	64-φ56
2600	2620				331	3220	68-φ48	3405	3290	68-φ60
2800	2820				352	3430	72-φ48	-	-	-
3000	3020				373	3640	76-φ48	-	-	-
3200	3220	710	220	140	397	3860	80-φ56	-	-	-
3400	3420									
3600	3620									

VSSJAF(C2F)型可拆卸双法兰传力接头
VSSJAF(C2F) Detachable Double Flange Transmission Joint

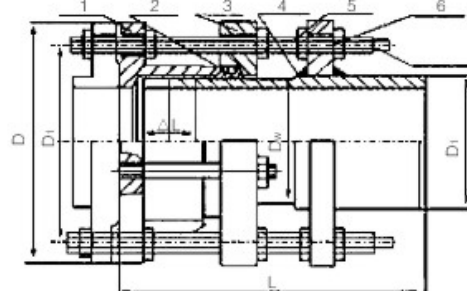
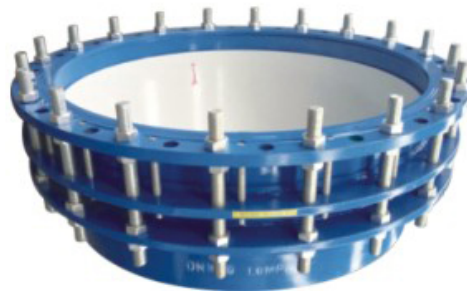


序号 No.	名称 Name	数量 Quantity	材料 Material
1	本体 Body	1	QT400-15, Q235A, ZG230-450, 20
2	密封圈 Gasket	1	NBR
3	压盖 Gland	1	QT400-15, Q235A, ZG230-450, 20
4	短管法兰 Limited short pipe	1	Q234A, 20, 16Mn
5	螺栓 Bolt	n	Q235A, 35, 1Cr18Ni9Ti
6	螺母 Nut	5n	Q235A, 20, 1Cr18Ni9Ti

主要数据 Main data

公称通径 DN Ncninal Diameter	管子外径 Dw	外形尺寸 Length		法兰连接尺寸 Flange connecting dimension								
		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			220	180		24	
125	140			240	200	8~M16	20	250	210	8~M20	26	
150	168			265	225			285	240			
200	219			320	280			22	340			295
250	273	420	50	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
400	426			540	495	16~M20	28	565	515	16~M24		32
450	480			595	550			615	565	20~M24		32
500	530			645	600	20~M20	30	670	620			
600	630	440	60	755	705	20~M24		32	780	725	20~M27	36
700	720			860	810	24~M24	32		895	840	24~M27	40
800	820	600	60	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		1230	1160	28~M33	50	
1200	1220	650	60	1405	1340	32~M30	40	1455	1380	32~M36	56	
1400	1420			1630	1560	36~M33	44	1675	1590	36~39	62	
1600	1620	670	60	1830	1760	40~M33	48	1915	1820	40~M40	68	
1800	1820			2045	1970	44~M36	50	2115	2020	44~M45	70	
2000	2020	700	80	2265	2180	48~M39	54	2325	2230	48~M45	74	
2200	2220	730		2475	2390	52~M39	60	2550	2440	52~M52	80	
2400	2420			2685	2600	56~M39	62	2760	2650	56~M52	82	
2600	2620	840		2905	2810	60~M45	64	2960	2850	60~M52	88	
2800	2820			3115	3020	64~M45	68	3480	3070	64~M52	94	
3000	3020			3315	3220	68~M45	70	3405	3290	68~M56	100	
3200	3220		3525	3430	72~M45	76						

VSSJAFG(CF)型单法兰传力接头
VSSJAFG(CF) Single Flange Transmission Joint

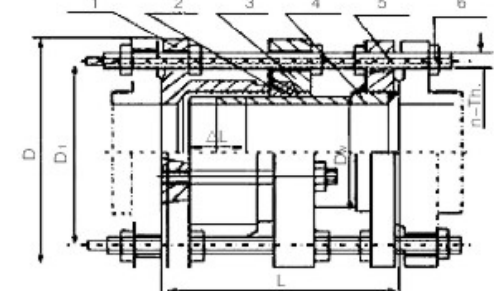
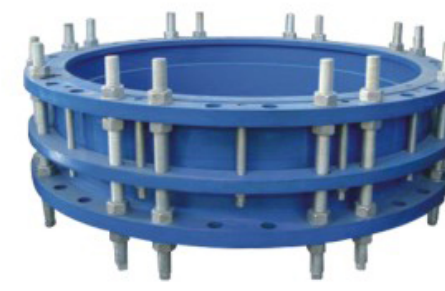


序号 No.	名称 Name	数量 Quantity	材料 Material
1	本体 Body	1	QT400-15, Q235A, ZG230-450, 20
2	密封圈 Gasket	1	NBR
3	压盖 Gland	1	QT400-15, Q235A, ZG230-450, 20
4	短管法兰 Limited short pipe	1	Q234A, 20, 16Mn
5	螺栓 Bolt	n	Q235A, 35, 1Cr18Ni9Ti
6	螺母 Nut	5n	Q235A, 20, 1Cr18Ni9Ti

主要数据 Main data

公称通径 DN Nominal Diameter	管子外径 External diameter of pipe		外形尺寸 Length		法兰连接尺寸 Flange connecting dimension							
	Dw	Do	L	△L	0.6MPa				1.0MPa			
					D	D1	n-Th	b	D	D1	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			220	180		24
125	140	140			240	200	8-M16	20	250	210	8-M20	26
150	168	168			265	225			285	240		
200	219	219			320	280		22	340	295		28
250	273	273			375	335	12-M16	24	395	350	12-M20	
300	325	325	420	50	440	395	12-M20	24	445	400	12-M20	28
350	377	377			490	445		26	505	460	16-M20	30
400	426	426			540	495	12-M20	28	565	515	16-M24	32
450	480	480			595	550		28	615	565	20-M24	32
500	530	530			645	600	20-M20	30	670	620	20-M24	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	60	975	920	24-M27	34	1015	950	24-M30	44
900	920	920			1075	1020	24-M27	36	1115	1050	28-M30	6
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			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	650	80	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	58-M39	62	2760	2650	56-M52	82
2600	2620	2620			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				

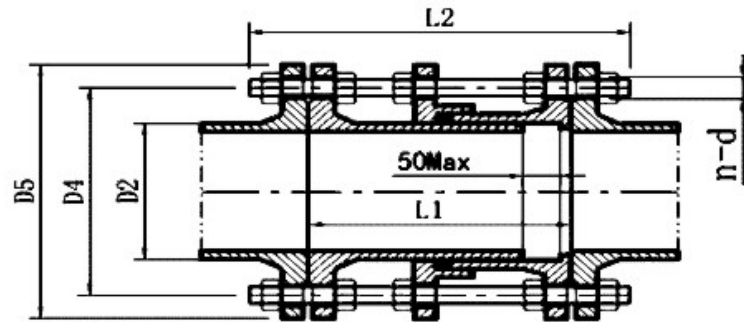
VSSJAF(C2F)型双法兰传力接头
VSSJAF(C2F) Double Flange Transmission Joint



序号 No.	名称 Name	数量 Quantity	材料 Material
1	本体 Body	1	QT400-15, Q235A, ZG230-450, 20
2	密封圈 Gasket	1	NBR
3	压盖 Gland	1	QT400-15, Q235A, ZG230-450, 20
4	短管法兰 Limited short pipe	1	Q234A, 20, 16Mn
5	螺栓 Bolt	n	Q235A, 35, 1Cr18Ni9Ti
6	螺母 Nut	5n	Q235A, 20, 1Cr18Ni9Ti

主要数据 Main data

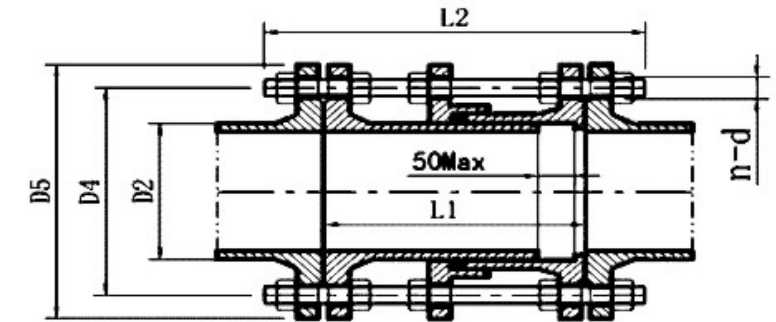
公称通径 DN Nominal Diameter	管子外径 Dw	外形尺寸 Length		法兰连接尺寸 Flange connecting dimension							
		L	△L	0.6MPa				1.0MPa			
				D	D1	n-Th	b	D	D1	n-Th	b
65	76	200	40	160	130	4-M12	16	185	145	4-M16	20
80	89			190	150	4-M16	18	200	160	8-M16	22
100	114			210	170			220	180		24
125	140			240	200	8-M16	20	250	210	8-M20	26
150	168			265	225			285	240		
200	219			320	280		22	340	295		28
250	273			375	335	12-M16	24	395	350	12-M20	
300	325	220	50	440	395	12-M20	24	445	400	12-M20	28
350	377			490	445		26	505	460	16-M20	30
400	426			540	495	12-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-M30	40
800	820	240	60	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	32-M36	50
1200	1220			1405	1340	32-M30	40	1455	1380	36-M39	56
1400	1420			1630	1560	36-M33	44	1675	1590	40-M45	62
1600	1620			1830	1760	40-M33	48	1915	1820	44-M45	68
1800	1820			2045	1970	44-M36	50	2115	2020	48-M45	70
2000	2020	350	80	2265	2180	48-M39	54	2325	2230	52-M52	74
2200	2220			2475	2390	52-M39	60	2550	2440	56-M52	80
2400	2420			2685	2600	58-M39	62	2760	2650	60-M52	82
2600	2620			2905	2810	60-M45	64	2960	2850	64-M52	88
2800	2820			3115	3020	64-M45	68	3180	3070	68-M52	94
3000	3020			3315	3220	68-M45	70	3405	3290	72-M56	100
3200	3220			3525	3430	72-M45	76				



主要数据 Main date

PN10						
DN	D2	L1	L2	D4	D5	n-d
80	98	200	310	160	200	8-Φ19
100	118	200	310	180	220	8-Φ19
150	170	200	340	240	285	8-Φ23
200	222	220	340	295	340	8-Φ23
250	274	230	370	350	400	12-Φ23
300	326	250	410	400	455	12-Φ23
350	378	260	410	460	505	16-Φ23
400	429	270	430	515	565	16-Φ28
450	480	270	430	565	615	20-Φ28
500	532	280	440	620	670	20-Φ28
600	635	300	480	725	780	20-Φ31
700	738	300	480	840	895	24-Φ31
800	842	320	520	950	1015	24-Φ34
900	945	320	520	1050	1115	28-Φ34
1000	1048	340	560	1160	1230	28-Φ37
1100	1152	340	560	1270	1340	32-Φ37
1200	1255	360	600	1380	1455	32-Φ40
1400	1462	380	630	1590	1675	36-Φ43
1500	1565	400	665	1700	1785	36-Φ43
1600	1668	400	665	1820	1915	40-Φ49
1800	1875	420	700	2020	2115	44-Φ49
2000	2082	440	730	2230	2325	48-Φ49

PN16						
DN	D2	L1	L2	D4	D5	n-d
80	98	200	310	160	200	8-Φ19
100	118	200	310	180	220	8-Φ19
150	170	200	340	240	285	8-Φ23
200	222	220	340	295	340	12-Φ23
250	274	230	370	350	400	12-Φ28
300	326	250	410	400	455	12-Φ28
350	378	260	410	470	520	16-Φ28
400	429	270	430	525	580	16-Φ31
450	480	270	430	585	640	20-Φ31
500	532	280	440	650	715	20-Φ34
600	635	300	480	770	840	20-Φ37
700	738	300	480	840	910	24-Φ37
800	842	320	520	950	1025	24-Φ40
900	945	320	520	1050	1125	28-Φ40
1000	1048	340	560	1170	1255	28-Φ43
1100	1152	340	560	1270	1355	32-Φ43
1200	1255	360	600	1390	1485	32-Φ49
1400	1462	380	630	1590	1685	36-Φ49
1500	1565	400	665	1710	1820	36-Φ56
1600	1668	400	665	1820	1930	40-Φ56
1800	1875	420	700	2020	2130	44-Φ56
2000	2082	440	730	2230	2345	48-Φ62

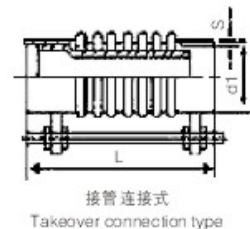
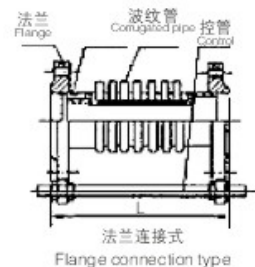


主要数据 Main date

PN25						
DN	D2	L1	L2	D4	D5	n-d
80	98	210	330	160	200	8-Φ19
100	118	220	340	190	235	8-Φ23
150	170	230	370	250	300	8-Φ28
200	222	230	370	310	360	12-Φ28
250	274	250	410	370	425	12-Φ31
300	326	250	410	430	485	16-Φ31
350	378	270	440	490	555	16-Φ34
400	429	280	480	550	620	16-Φ37
450	480	280	480	600	670	20-Φ37
500	532	300	480	660	730	20-Φ37
600	635	300	520	770	845	20-Φ40
700	738	320	560	875	960	24-Φ43
800	842	320	600	990	1085	24-Φ49
900	945	340	600	1090	1185	28-Φ49
1000	1048	360	650	1210	1320	28-Φ56
1200	1252	360	720	1420	1530	32-Φ56
1400	1462	380	770	1640	1755	32-Φ62
1600	1668	420	815	1860	1975	40-Φ62
1800	1875	440	865	2070	2195	44-Φ70
2000	2082	460	930	2300	2425	48-Φ70

PN25						
DN	D2	L1	L2	D4	D5	n-d
80	98	210	330	160	200	8-Φ19
100	118	220	340	190	235	8-Φ23
150	170	230	370	250	300	8-Φ28
200	222	230	410	320	375	12-Φ31
250	274	250	440	385	450	12-Φ34
300	326	250	440	450	515	16-Φ34
350	378	270	480	510	580	16-Φ37
400	429	280	520	585	660	16-Φ40
500	532	300	560	670	755	20-Φ43
600	635	300	600	795	890	20-Φ49

JZBW型减震式波纹补偿器
JZBW Damping Corrugated Hose



设计温度: -20°C~+400°C

产品代号: JZBW

型号标注: JZBW 波纹管型式-连接形式 压力-口径-补偿量

Design temperature: -20°C~+400°C

Code: JZBW

Model sign: JZBW Corrugated pipe-connection type pressure-diameter-compensator

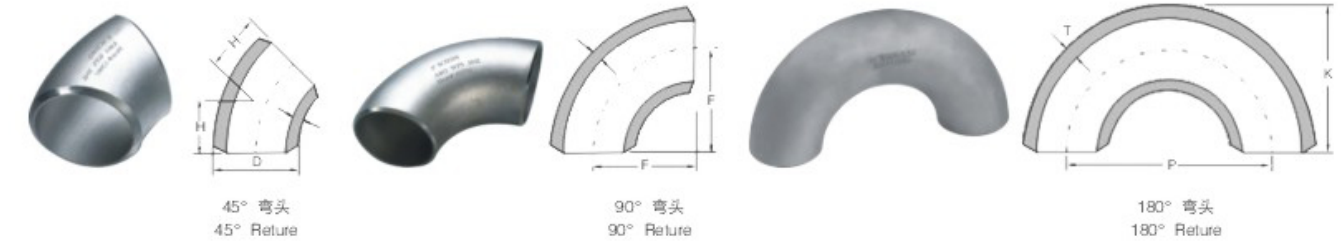
通径 DN	波数 Number of wave	压力等级 Pressure grade (Mpa)					波纹管有效面积 Available area (cm²)	最大外径尺寸 Max size (mm)	长度 Length (mm)	
		0.25	0.6	1	1.6	2.5			法兰 Flange JDZ/F	接管 Pipe JDZ/F
		轴向补偿量 Axial compensation mm/刚度 N/mm								
32	8	25/21	22/26	20/26	18/63	15/98	16	110	16Q/250	264/210
	16	50/11	46/14	41/14	36/32	31/47		220	244/291	316/320
40	8	25/28	22/44	20/44	18/89	15/10	23	130	164/259	269/260
	16	50/14	46/22	41/22	36/45	31/55		240	230/304	319/400
50	8	25/30	22/51	20/70	18/70	15/13	37	150	172/276	282/230
	16	50/16	46/26	41/35	36/35	31/70		260	240/342	347/450
65	8	33/28	30/35	26/44	22/55	19/68	55	170	215/294	300/260
	12	42/16	38/22	38/32	34/40	29/50		280	260/334	340/470
80	8	40/20	36/26	34/33	28/41	24/54	81	200	240/338	344/260
	10	53/14	49/17	49/21	43/26	38/33		230	270/368	374/300
100	6	45/47	45/80	40/75	35/93	29/11	121	220	235/317	323/280
	10	76/26	74/32	64/40	57/50	49/63		260	305/381	387/320
125	5	48/38	42/47	38/59	34/74	29/92	180	250	282/314	316/320
	9	85/23	77/29	66/36	58/45	50/56		290	382/386	388/360
150	5	49/42	44/50	40/62	34/78	29/97	257	250	282/389	338/320
	8	79/34	71/43	64/51	54/59	46/65		290	356/399	402/360
200	4	52/49	46/55	42/68	38/78	34/11	479	300	280/384	348/370
	6	73/31	65/44	59/52	53/58	48/78		340	340/402	402/420
250	4	72/30	65/34	59/42	52/45	47/55	796	330	315/379	415/420
	6	108/16	97/21	87/35	79/39	71/47		360	393/459	493/460
300	4	72/51	65/55	59/59	52/65	47/71	1105	340	366/427	466/480
	6	108/32	97/35	87/37	79/41	71/45		400	464/525	564/520
350	4	72/58	65/62	59/67	52/74	47/81	1307	340	397/452	497/480
	6	108/38	97/41	87/44	79/48	71/47		420	509/564	609/540
400	4	72/54	65/58	59/62	52/68	47/75	1611	340	412/478	512/480
	6	108/36	97/39	87/43	79/47	71/52		420	522/588	622/560
450	4	108/32	97/35	87/37	79/41	71/45	1972	340	503/498	503/500
	6	162/20	145/22	131/23	118/25	106/2		450	503/658	603/590
500	4	108/59	97/64	87/68	79/75	71/82	2445	240	431/523	531/500
	6	162/34	145/37	131/39	118/43	106/4		450	531/655	631/600
600	4	108/74	97/80	87/85	79/94	71/10	3534	380	478/548	578/540
	6	162/42	145/45	131/49	118/53	106/6		500	658/679	758/640
700	4	108/67	97/72	87/77	79/85	71/95	4717	1110	490	590
	6	162/42	145/45	131/49	118/53	106/6			690	790
800	4	120/88	108/95	102/102	94/112	82/12	5822	1265	502	602
	6	183/67	164/72	157/77	144/85	125/9			610	710
900	4	120/84	108/90	102/97	94/107	82/11	7620	1186		698
	6	183/60	164/65	156/69	144/76	125/8				850
1000	4	120/91	108/98	102/105	94/116		9043	1286		692
	6	183/59	164/95	156/76	144/81					855

Pipe flange

管件法兰类

www.wsdvalve.com
www.hawsd.com

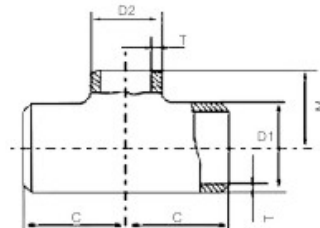




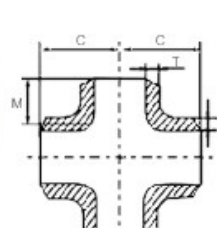
对焊弯头 GB12459、GB/T13401 Butt Welding Elbow

公称通径 Nominal diameter		端部外径 Outside diameter at Bevel		中心至端面 Center to End			中心至中心 Center to Center		背面至端面 Back to Faces	
				45° 弯头 45° Return	90° 弯头 90° Return		180° 弯头 180° Return		180° 弯头 180° Return	
				H	F		P		K	
DN	INCH	A系列 Series A	B系列 Series B	长半径 Long Radius	长半径 Long Radius	短半径 Short Radius	长半径 Long Radius	短半径 Short Radius	长半径 Long Radius	短半径 Short Radius
15	1/2	21.3	18	16	38	—	76	—	48	—
20	3/4	26.9	25	16	38	—	76	—	51	—
25	1	33.7	32	16	38	25	76	51	56	41
32	1 1/4	42.4	38	20	48	32	95	64	70	52
40	1 1/2	48.3	45	24	57	38	114	76	83	62
50	2	60.3	57	32	76	51	152	102	106	81
65	2 1/2	76.1(73)	76	40	95	64	191	127	132	100
80	3	88.9	89	47	114	76	229	152	156	121
90	3 1/2	101.6	—	55	133	89	267	178	184	140
100	4	114.3	108	63	152	102	305	203	210	159
125	5	139.7	133	79	190	127	381	254	262	197
150	6	168.3	159	95	229	152	457	305	313	237
200	8	219.1	219	126	305	203	610	406	414	313
250	10	273.0	273	158	381	254	762	508	518	391
300	12	323.9	325	189	457	305	914	610	619	467
350	14	355.6	377	221	533	356	1067	711	711	533
400	16	406.4	426	253	610	406	1219	813	813	610
450	18	457.2	478	284	686	457	1372	914	914	686
500	20	508.0	529	316	762	508	1524	1016	1016	762
550	22	559	—	347	838	559				
600	24	610	630	379	914	610				
650	26	660	—	410	991	660				
700	28	711	720	442	1067	711				
750	30	762	—	473	1143	762				
800	32	813	820	505	1219	813				
850	34	864	—	537	1295	861				
900	36	914	920	568	1372	914				
950	38	965	—	600	1448	965				
1000	40	1016	1020	631	1524	1016				
1050	42	1067	—	663	1600	1067				
1100	44	1118	1120	694	1676	1118				
1150	46	1168	—	726	1753	1168				
1200	48	1220	1220	758	1829	1219				

注: 1) 尽可能不采用括号内的数值
2) 优先选用A系列
Note: 1) do not use the values in brackets as much as possible
2) A series is preferred



等径三通
Equal Tee



异径四通
Equal Crosses

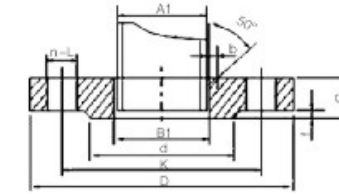
对焊等径三通、四通 GB12459、GB/T13401 Butt Welding Equal Tees and Equal Crosses

公称通径 Nominal diameter		端部外径 Outside diameter at Bevel		中心至端面 Center to End	
		D		C	M
DN	INCH	A系列 Series A	B系列 Series B		
15	1/2	21.3	18	25	
20	3/4	26.9	25	29	
25	1	33.7	32	38	
32	1 1/4	42.4	38	48	
40	1 1/2	48.3	45	57	
50	2	60.3	57	64	
65	2 1/2	76.1(73)	76	76	
80	3	88.9	89	86	
90	3 1/2	101.6	—	95	
100	4	114.3	108	105	
125	5	139.7	133	124	
150	6	168.3	159	143	
200	8	219.1	219	178	
250	10	273.0	273	216	
300	12	323.9	325	254	
350	14	355.6	377	279	
400	16	406.4	426	305	

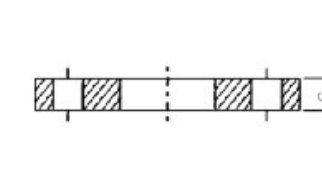
公称通径 Nominal diameter		端部外径 Outside diameter at Bevel		中心至端面 Center to End	
		D		C	M
DN	INCH	A系列 Series A	B系列 Series B		
450	18	457.2	478	343	
500	20	508.0	529	381	
550	22	559	—	419	
600	24	610	630	432	
650	26	660	—	495	
700	28	711	720	521	
750	30	762	—	559	
800	32	813	820	597	
850	34	864	—	635	
900	36	914	920	673	
950	38	965	—	711	
1000	40	1016	1020	749	
1050	42	1067	—	762	711
1100	44	1118	1120	813	762
1150	46	1168	—	851	800
1200	48	1220	1220	889	838

注：1) 尽可能不采用括号内的数值 2) 优先选用A系列
Note: 1) does not use in the parenthesis as far as possible the value 2) first selects A series

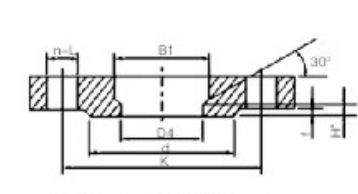
弹性蝶阀、对夹式蝶阀(D371)、对夹式止回阀(H76)专用法兰(HG20593-97, JB/T81-94, GB/T9119-2000)
Flexible butterfly valve, dual butterfly valve (D371), clamping check valve (H76) special flange (hg20593-97, JB/t81-94, GB/t9119-2000)



突面(R F)



全平面(F F)

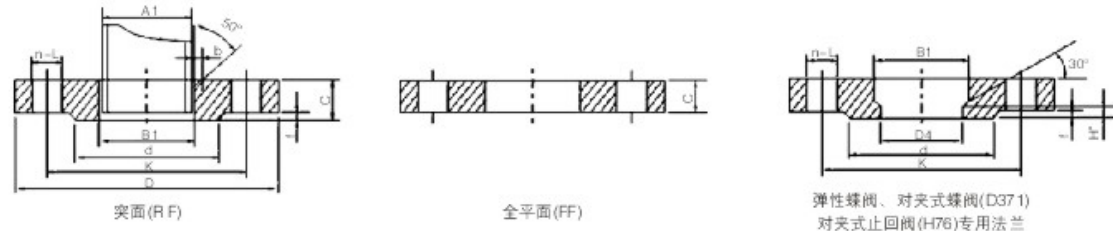


弹性蝶阀、对夹式蝶阀(D371)
对夹式止回阀(H76)专用法兰

PN1.0MPa板式平焊钢制管法兰(PL-RF) Flat welded steel pipe flange

公称通径 Nominal diameter	钢管外径 (法兰端外径) Pipe Outside Diameter A1		连接尺寸 Link Size					密封面尺寸 Seal Surface Size		法兰厚度 Flange Thickness	法兰内径 Flange Inside Diameter B1		坡口宽度 Sloping Face Width
			法兰外径 系列1/系列2	螺栓孔中心 圆直径	螺栓孔直径	螺栓孔数量	螺纹 系列1/系列2						
DN	A	B	D	K	L	n	Th	d	f	C	A	B	b
10	17.2	14	90	60	14	4	M12	40	2	12	18	15	3
15	21.3	18	95	65	14	4	M12	45	2	12	22	19	3
20	26.9	25	105	75	14	4	M12	55	2	14	27.5	26	3
25	33.7	32	115	85	14	4	M12	65	2	14	34.5	33	4
32	42.4	38	140/135	100	18	4	M16	78	2	16	43.5	39	4
40	48.3	45	150/145	110	18	4	M16	85	3	18	49.5	46	4
50	60.3	57	165/160	125	18	4	M16	100	3	18	61.5	59	4
65	76.1	76	185/180	145	18	4	M16	120	3	20	77.5	78	5
80	88.9	89	200/195	160	18	8/4	M16	135	3	20	90.5	91	5
100	114.3	108	220/215	180	18	8	M16	155	3	22	116	110	5
125	139.7	133	250/245	210	18	8	M16	185	3	24	141.5	135	5
150	168.3	159	285/280	240	22/23	8	M20	210	3	24	170.5	161	5
172		194	310	270	22/23	8	M20	240	3	24		196	6
200	219.1	219	340/335	295	22/23	8	M20	265	3	24	221.5	222	7
225		245	365	325	22/23	8	M20	295	3	24		248	8
250	273	273	395/390	350	22/23	12	M20	320	3	26	276.5	276	9
300	323.9	325	445/440	400	22/23	12	M20	368	4	28	327.5	328	9
350	355.6	377	505/500	460	22/23	16	M20	428	4	28	359.5	380	10
400	406.4	426	565	515	26/25	16	M24/M22	482	4	30	411	430	10
450	457	480	615	565	26/25	20	M24/M22	532	4	30	462	484	10
500	5.8	530	670	620	26/25	20	M24/M22	585	4	32	513.5	534	10
600	610	630	780	725	30	20	M27	685	5	36	616.5	634	10
700	711	720	895	840	30	24	M27	800	5	36	715	724	10
800	813	820	1015/1010	950	34	24	M30	905	5	38	817	824	10
900	914	920	1115/1110	1050	34	28	M30	1005	5	38	918	924	10
1000	1016	1020	1230/1220	1160	36/34	28	M33/M30	1110	5	38	1020	1024	10
1100		1120	1340	1270	36	32	M33	1215	5	42		1124	12
1200	1219	1220	1455/1450	1380	39/41	32	M36	1330	5	44	1223	1224	12
1300		1320	1575	1490	41	32	M36	1430	5	46		1324	12
1400	1422	1420	1675	1590	42/48	36	M39/M42	1530	5	48	1426	1424	14
1500		1520	1785	1700	48	36	M42	1640	5	50		1524	14
1600	1626	1620	1915	1820	48/54	40	M45/M48	1750	5	52	1630	1624	16
1750			2065	1970	54	44	M48	1900	5	54			16
1800	1829	1820	2115	2020	48/54	44	M45/M48	1950	5	56	1833	1824	17
2000	2032	2020	2325	2230	48/54	48	M45/M48	2150	5	60	2036	2024	18
2200		2220	2550	2440	56	52	M52	2370	6	80		2224	20
2400		2420	2760	2650	56	56	M52	2570	6	90		2424	20

弹性蝶阀、对夹式蝶阀(D371)、对夹式止回阀(H76)专用法兰(HG20593-97, JB/T81-94, GB/T9119-2000)
Flexible butterfly valve, dual butterfly valve (D371), clamping check valve (H76) special flange (hg20593-97, JB/T81-94, GB/T9119-2000)

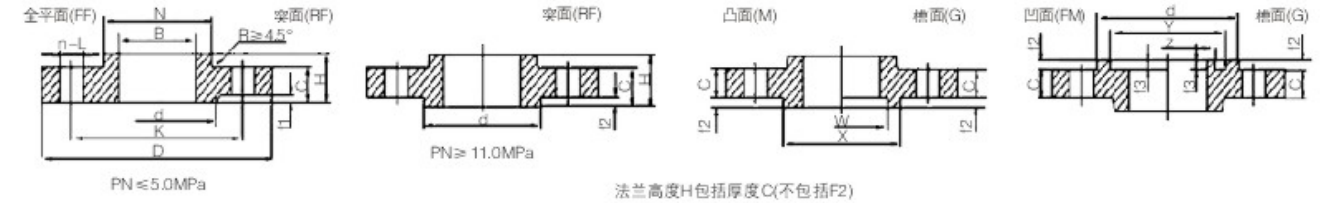


PN1.6MPa板式平焊钢制管法兰(PL-RF) Flat welded steel pipe flange

公称通径 Nominal diameter	钢管外径 (法兰焊端外径) Pipe Outside Diameter A1		连接尺寸 Link Size					密封面尺寸 Seal Surface Size		法兰厚度 Flange Thickness	法兰内径 Flange Inside Diameter B1		坡口宽度 Sloping Face Width
			法兰外径 系列1/系列2	螺栓孔中心圆直径	螺栓孔直径	螺栓孔数量	螺纹 系列1/系列2						
DN	A	B	D	K	L	n	Th	d	f	C	A	B	b
10	17.2	14	90	60	14	4	M12	40	2	14	18	15	3
15	21.3	18	95	65	14	4	M12	45	2	14	22	19	3
20	26.9	25	105	75	14	4	M12	55	2	16	27.5	26	3
25	33.7	32	115	85	14	4	M12	65	2	18	34.5	33	4
32	42.4	38	140/135	100	18	4	M16	78	2	18	43.5	39	4
40	48.3	45	150/145	110	18	4	M16	85	3	20	49.5	46	4
50	60.3	57	165/160	125	18	4	M16	100	3	22	61.5	59	4
65	76.1	76	185/180	145	18	4	M16	120	3	24	77.5	78	5
80	88.9	89	200/195	160	18	8	M16	135	3	24	90.5	91	5
100	114.3	108	220/215	180	18	8	M16	155	3	26	116	110	5
125	139.7	133	250/245	210	18	8	M16	185	3	28	141.5	135	5
150	168.3	159	285/280	240	22/23	8	M20	210	3	28	170.5	161	5
172		194	310	270	22/23	8	M20	240	3	28		195	6
200	219.1	219	340/335	295	22/23	12	M20	265	3	30	221.5	222	7
225		245	365	325	22/23	12	M20	295	3	30		248	8
250	273	273	405	355	26/25	12	M24/M22	320	3	32	276.5	276	9
300	323.9	325	460	410	26/25	12	M24/M22	375	4	32	327.5	328	9
350	355.6	377	520	470	26/25	16	M24/M22	436	4	34	359.5	380	10
400	406.4	426	580	525	30	16	M27	485	4	38	411	430	10
450	457	480	640	585	30	20	M27	545	4	42	462	484	10
500	508	530	715/705	650	34	20	M30	608	4	48	513.5	534	10
600	610	630	840	770	36/41	20	M33/M36	718	5	50	616.5	634	10
700	711	720	910	840	36/41	24	M33/M36	788	5	50	715	724	10
800	813	820	1025/1020	950	39/41	24	M36	898	5	52	817	824	10
900	914	920	1125/1120	1050	39/41	28	M36	998	5	44	918	924	10
1000	1016	1020	1255	1170	42/48	28	M39/M42	1110	5	46	1020	1024	10
1100		1120	1355	1270	42	32	M39	1215	5	50		1124	12
1200	1219	1220	1485	1390	48/54	32	M45/M48	1325	5	52	1223	1224	12
1300		1320	1585	1490	48	32	M45	1425	5	54		1324	12
1400	1422	1420	1685	1590	48/54	36	M45/M48	1525	5	58	1426	1424	14
1500		1520	1820	1710	56	36	M52	1640	5	60		1524	14
1600	1626	1620	1930	1820	55/58	40	M52	1750	5	64	1630	1624	16
1750			2080	1970	58	44	M52	1900	5	66			16
1800	1829	1820	2130	2020	55/58	44	M52	1950	5	68	1833	1824	17
2000	2032	2020	2345	2230	60	48	M56	2150	5	70	2036	2024	18
2200		2220	2555	2440	62	52	M56	2370	6	90		2224	20
2400		2420	2765	2650	62	56	M56	2570	6	100		2424	20

系列1国家标准GB/T9119-2000 系列2机械行业标准JB/T81-94
Series 1 national standard GB/T9119-2000 series 2 mechanical industry standard JB/T81-94

美标带颈平焊钢制管法兰SO(A SME B16.5-1996, HG 20616-97)
Flanged flanges of steel tube with neck and neck welding SO(ASME B16.5-1996, HG20616-97)



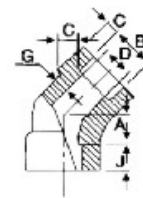
PN2.0MPa(Class 150)美标带颈平焊钢制管法兰

公称通径 Nominal diameter		钢管 外径 Pipe Outside Diameter	连接尺寸 Link Size					密封面尺寸 Seal Surface Size		法兰厚度 Flange Thickness	法兰内径 Flange Inside Diameter	法兰颈 Flange Neck	法兰 高度 Flange Height
			法兰外径	螺栓孔 中 心圆直径	螺栓孔 直径	螺栓孔 数量	螺纹						
NPS(in)	DN	A	D	K	L	n	Th	突面 d	台高 f1	C	D	N	H
1/2	15	21.3	90	60.5	16	4	M14	35	1.6	11.5	22	30	16
3/4	20	26.9	100	70	16	4	M14	43	1.6	13	27.5	38	16
1	25	33.7	110	79.5	16	4	M14	51	1.6	14.5	34.5	49	17
1 1/4	32	42.4	120	89	16	4	M14	63.5	1.6	16	43.5	59	21
1/2	40	48.3	130	98.5	16	4	M14	73	1.6	17.5	49.5	65	22
2	50	60.3	150	120.5	18	4	M16	92	1.6	19.5	61.5	78	25
2 1/2	65	76.1	180	139.5	18	4	M16	105	1.6	22.5	77.5	90	29
3	80	88.9	190	152.5	18	4	M16	127	1.6	24	90.5	108	30
4	100	114.3	230	190.5	18	8	M16	157.5	1.6	24	116	135	33
5	125	139.7	255	216	22	8	M20	186	1.6	24	141.5	164	36
6	150	168.3	280	241.5	22	8	M20	216	1.6	25.5	170.5	192	40
8	200	219.1	345	298.5	22	8	M20	270	1.6	29	221.5	246	44
10	250	273	405	362	26	12	M24	324	1.6	30.5	276.5	305	49
12	300	323.9	485	432	26	12	M24	381	1.6	32	327.5	365	56
14	350	355.6	535	476	29.5	12	M27	413	1.6	35	359.5	400	57
16	400	406.4	600	540	29.5	16	M27	470	1.6	37	411	457	64
18	450	457	635	578	32.5	16	M30	533.5	1.6	40	462	505	68
20	500	508	700	635	32.5	20	M30	584	1.6	43	513.5	559	73
24	600	610	815	749.5	32.5	20	M33	692	1.6	48	616.5	664	83

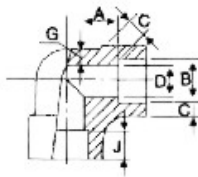
PN5.0MPa(Class 300)美标带颈平焊钢制管法兰

公称通径 Nominal diameter		钢管 外径 Pipe Outside Diameter	连接尺寸 Link Size					密封面尺寸 Seal Surface Size		法兰厚度 Flange Thickness	法兰内径 Flange Inside Diameter	法兰颈 Flange Neck	法兰 高度 Flange Height
			法兰外径	螺栓孔 中 心圆直径	螺栓孔 直径	螺栓孔 数量	螺纹						
NPS(in)	DN	A	D	K	L	n	Th	突面 d	台高 f1	C	D	N	H
1/2	15	21.3	95	66.5	16	4	M14	35	1.6	14.5	22	38	22
3/4	20	26.9	120	82.5	18	4	M16	43	1.6	16	27.5	48	25
1	25	33.7	125	89	18	4	M16	51	1.6	17.5	34.5	54	27
1 1/4	32	42.4	135	98.5	18	4	M16	63.5	1.6	19.5	43.5	64	27
1/2	40	48.3	155	114.5	22	4	M20	73	1.6	21	49.5	70	30
2	50	60.3	165	127	18	4	M16	92	1.6	22.5	61.5	84	33
2 1/2	65	76.1	190	149	22	4	M20	105	1.6	25.5	77.5	100	38
3	80	88.9	210	168.5	22	4	M20	127	1.6	29	90.5	118	43
4	100	114.3	255	200	22	8	M20	157.5	1.6	32	116	146	48
5	125	139.7	280	235	22	8	M20	186	1.6	35	141.5	178	51
6	150	168.3	320	270	22	12	M20	216	1.6	37	170.5	206	52
8	200	219.1	380	330	26	12	M24	270	1.6	41.5	221.5	260	62
10	250	273	445	387.5	29.5	16	M27	324	1.6	48	276.5	321	67
12	300	323.9	520	451	32.5	16	M30	381	1.6	51	327.5	375	73
14	350	355.6	585	514.5	32.5	20	M30	413	1.6	54	359.5	426	76
16	400	406.4	650	571.5	35.5	20	M33	470	1.6	57.5	411	483	83
18	450	457	710	628.5	35.5	24	M33	533.5	1.6	60.5	462	533	89
20	500	508	775	686	35.5	24	M33	584	1.6	63.5	513.5	587	95
24	600	610	915	813	42	24	M39 × 3	692	1.6	70	616.5	702	104

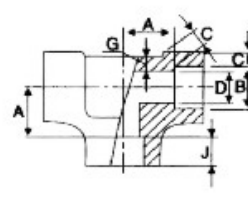
不锈钢螺纹管件
Stainless steel threaded fittings



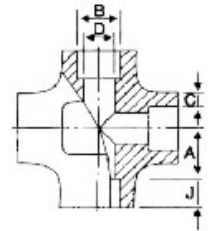
45° 弯头 Elbow



90° 弯头 Elbow

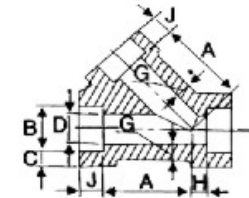


三通 Tee

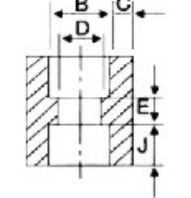


四通 Cross

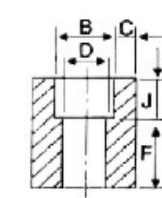
高压承插管件
High pressure socket pipe



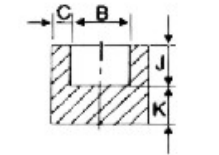
斜三通 Lateral



双承口管箍 Coup Ling



单承口管箍 Half-Coup Ling



管帽 Cap

GB/T14383-2008、HG21634、SH3410-96、ASME B16.11、JIS B2316

公称尺寸		承插孔 径 B'	流通孔径 D'			承插孔壁厚 C'						本体壁厚 G...			承插孔深 度 J...	中心至承插孔 A					
DN	NPS		3000	6000	9000	3000		6000		9000		3000	6000	9000		90° 弯头、三通、四通			45° 弯头		
						ave	min	ave	min	ave	min					3000	6000	9000	3000	6000	9000
6	1/8	10.9	6.1	3.2	-	3.18	3.18	3.96	3.43	-	-	2.41	3.15	-	9.5	11.0	11.0	-	8.0	8.0	-
8	1/4	14.3	8.5	5.6	-	3.78	3.30	4.60	4.01	-	-	3.02	3.68	-	9.5	13.5	13.5	-	8.0	8.0	-
10	3/8	17.7	11.8	8.4	-	4.01	3.50	5.03	4.37	-	-	3.20	4.01	-	9.5	15.5	15.5	-	8.0	11.0	-
15	1/2	21.9	15.0	11.0	5.6	4.67	4.09	5.97	5.18	9.53	8.18	3.73	4.78	7.47	9.5	19.0	19.0	25.5	11.0	12.5	15.5
20	3/4	27.3	20.2	14.8	10.3	4.90	4.27	6.96	6.04	9.78	8.56	3.91	5.56	7.82	12.5	22.5	22.5	28.5	13.0	14.0	19.0
25	1	34.0	25.9	19.9	14.4	5.69	4.98	7.92	6.93	11.38	9.96	4.55	6.35	9.09	12.5	27.0	27.0	32.0	14.0	17.5	20.5
32	1 1/4	42.8	34.3	28.7	22.0	6.07	5.28	7.92	6.93	12.14	10.62	4.85	6.35	9.70	12.5	32.0	32.0	35.0	17.5	20.5	22.5
40	1 1/2	48.9	40.1	33.2	27.2	6.35	5.54	8.92	7.80	12.70	11.12	5.08	7.14	10.15	12.5	38.0	38.0	38.0	20.5	25.5	25.5
50	2	61.2	51.7	42.1	37.4	6.93	6.04	10.92	9.50	13.84	12.12	5.54	8.74	11.07	16.0	41.0	41.0	54.0	25.5	28.5	28.5
65	2 1/2	73.9	61.2	-	-	8.76	7.62	-	-	-	-	7.01	-	-	16.0	-	25.5	-	28.5	-	-
80	3	89.9	76.4	-	-	9.52	8.30	-	-	-	-	7.62	-	-	16.0	-	28.5	-	32.0	-	-
100	4	115.5	100.7	-	-	10.69	9.35	-	-	-	-	8.56	-	-	19.0	-	32.0	-	41.0	-	-

A. 当选用II系列的管子时, 其承插孔径和流通孔径应按II系列管子尺寸配制, 其余尺寸应符合本标准规定。

B. 沿承插孔周边的平均壁厚不应小于平均值, 局部允许达到最小值。

A. elected series II tubes, its socket aperture and aperture circulation should press series II pipe size mixture, the rest size should comply with the provisions of this standard.

B. following jack and surrounding the average wall thickness should not be less than average, local allowed minimum value.

GB/T14383-2008、SH3410-96、ASME B16.11、JIS B2316

公称尺寸		承插孔径 B'	流通孔径D'			承插孔壁厚C'						本体壁厚G ₁			承插孔深度 J ₁	承插孔底 距离 E	承插孔底 至端面 F	顶部厚度K ₁			中心至承插孔底			
DN	NPS		3000	6000	9000	3000		6000		9000		3000	6000	9000				3000	6000	9000	A		H	
						ave	min	ave	min	ave	min										3000	6000	3000	6000
6	1/8	10.9	6.1	3.2	—	3.18	3.18	3.96	3.43	—	—	2.41	3.15	—	9.5	6.5	16.0	4.8	6.4	—	—	—	—	
8	1/4	14.3	8.5	5.6	—	3.78	3.30	4.60	4.01	—	—	3.02	3.68	—	9.5	6.5	16.0	4.8	6.4	—	—	—	—	
10	3/8	17.7	11.8	8.4	—	4.01	3.50	5.03	4.37	—	—	3.20	4.01	—	9.5	6.5	17.5	4.8	6.4	—	37	—	9.5	—
15	1/2	21.9	15.0	11.0	5.6	4.67	4.09	5.97	5.18	9.53	8.18	3.73	4.78	7.47	9.5	9.5	22.5	6.4	7.9	11.2	41	51	9.5	11
20	3/4	27.3	20.2	14.8	10.3	4.90	4.27	6.96	6.04	9.78	8.56	3.91	5.56	7.82	12.5	9.5	24.0	6.4	7.9	12.7	51	60	11	13
25	1	34.0	25.9	19.9	14.4	5.69	4.98	7.92	6.93	11.38	9.96	4.55	6.35	9.09	12.5	12.5	28.5	9.6	11.2	14.2	60	71	13	16
32	1 1/4	42.8	34.3	28.7	22.0	6.07	5.28	7.92	6.93	12.14	10.62	4.85	6.35	9.70	12.5	12.5	30.0	9.6	11.2	14.2	71	81	16	17
40	1 1/2	48.9	40.1	33.2	27.0	6.35	5.54	8.92	7.80	12.70	11.12	5.08	7.14	10.15	12.5	12.5	32.0	11.2	12.7	15.7	81	98	17	21
50	2	61.2	51.7	42.1	37.4	6.93	6.04	10.92	9.50	13.84	12.12	5.54	8.74	11.07	16.0	19.0	41.0	12.7	15.7	19.0	98	151	21	30
65	2 1/2	73.9	61.2	—	—	8.76	7.62	—	—	—	—	7.01	—	—	16.0	19.0	43.0	15.7	19.0	—	151	—	30	—
80	3	89.9	76.4	—	—	9.52	8.30	—	—	—	—	7.62	—	—	16.0	19.0	44.5	19.0	22.4	—	184	—	57	—
100	4	115.5	100.7	—	—	10.69	9.35	—	—	—	—	8.56	—	—	19.0	19.0	48.0	22.4	28.4	—	201	—	66	—

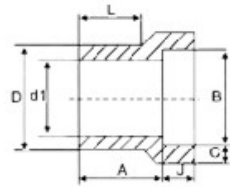
A. 当选用II系列的管子时, 其承插孔径和流通孔径应按II系列管子尺寸配制, 其余尺寸应符合本标准规定。

B. 沿承插孔周边的平均壁厚不应小于平均值, 局部允许达到最小值。

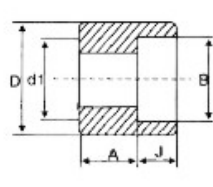
A. elected II series of pipe, the socket aperture and aperture circulation should press II series pipe size mixture, the rest size should comply with the provisions of this standard.

B. following jack and surrounding the average wall thickness should not be less than average, local allowed minimum value.

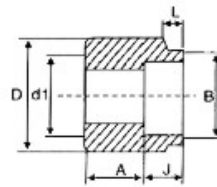
承插焊异径插入件
Insert A Socket Adapter



承插焊异径插入件1型
Socket Welding Reducing Insert Type 1



承插焊异径插入件2型
Socket Welding Reducing Insert Type 2



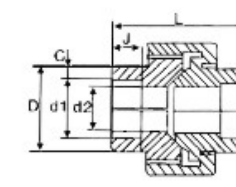
承插焊异径插入件3型
Socket Welding Reducing Insert Type 3

MSS SP-79

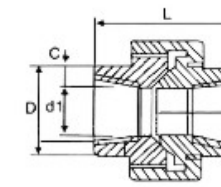
公称通径 (NPS/DN)(IN)	型号 Type	3000				公称通径 (NPS/DN)(IN)	型号 Type	6000			
		D	d1	A	L			D	d1	A	L
1/2x3/8	1	21.6	11	24	20	1/2x3/8	1	21.6	11	30	21
1/2x1/4	2	21.6	7.5	15.5	-	3/4x1/2	1	26.9	12	33.5	23
1/2x1/8	3	21.6	5.5	15.5	7	3/4x3/8	2	26.9	11	25.5	-
3/4x1/2	1	26.9	14	27	22	1x3/4	1	33.6	15.5	42	26
3/4x3/8	2	26.9	11	15.5	-	1x1/2	1	33.6	12	40	24
3/4x1/4	3	26.9	7.5	15.5	7	1x3/8	3	33.6	11.1	28.5	7
3/4x1/8	3	26.9	5.5	15.5	7	1 1/4x1	1	42.4	20.5	43	28
1x3/4	1	33.6	19	28.5	23	1 1/4x3/4	1	42.4	15.5	43	28
1x1/2	2	33.6	14	24	-	1 1/4x1/2	2	42.4	12	32	-
1x3/8	3	33.6	11	23	7	1 1/4x3/8	3	42.4	11	32.5	7
1x1/4	1	33.6	7.5	24	7	1 1/2x1 1/4	1	48.5	29.5	51	32
1 1/4x1	2	42.4	24.5	31.5	24	1 1/2x3/4	1	48.5	20.5	49	28
1 1/4x3/4	3	42.4	19	22	5	1 1/2x1/2	2	48.5	15.5	35	-
1 1/4x1/2	3	42.4	14	24.5	-	1 1/2x1/2	3	48.5	12	39	78
1 1/2x1 1/4	1	48.5	11	33.5	7	2x1 1/2	1	60.9	34	46	34
1 1/2x1	2	48.5	7.5	33.5	27	2x1 1/4	1	60.9	29.5	47.5	34
1 1/2x3/4	3	48.5	24.5	22	-	2x1	3	60.9	20.5	36	8
1 1/2x1/2	3	48.5	19	26	8	2x3/4	3	60.9	15.5	36	8
2x1 1/2	2	60.9	38	27	-	2x1/2	3	60.9	12	39	7
2x1 1/4	3	60.9	32.5	25.5	7	2 1/2x2	1	73.6	43	54	36
2x1	3	60.9	24.5	25.5	8	2 1/2x1 1/2	2	73.6	34	47.5	-
2x3/4	3	60.9	19	25.5	8	2 1/2x1 1/4	3	73.6	29.5	42	8
2x1/2	3	60.9	14	29.5	8	2 1/2x1	3	73.6	20.5	44	8
2 1/2x2	1	73.6	49	41.5	7	2 1/2x3/4	3	73.6	15.5	44	8
2 1/2x1 1/2	3	73.6	38	27.5	30	2 1/2x1/2	3	73.6	12	46.5	7
2 1/2x1 1/4	3	73.6	32.5	29.5	8	3x2 1/2	1	89.6	54	63.5	38
2 1/2x1	3	73.6	24.5	29.5	8	3x2	2	89.6	43	54	-
3x2 1/2	1	89.6	59	46	8	3x1 1/2	3	89.6	34	47.5	8
3x2	3	89.6	49	41.5	33	3x1 1/4	3	89.6	29.5	49.6	8
3x1 1/2	3	89.6	38	42	5	3x1	3	89.6	20.5	48.5	8
3x1 1/4	3	89.6	32.5	42.5	10						
3x1	3	89.6	24.5	39	8						

注：1) 与ASME、B16.11标准配套使用，图中d1、J尺寸按ASME、B16.11尺寸执行。
2) 标志要首先标明型式；公称通径的标志为D尺寸在前，d1尺寸在后。
3) 表列外径为首选外径，顾客如选用其它外径系列，请标明该系列外径的标准号。
4) 3000、6000为压力等级代号，单位为磅/平方英寸。

承插焊和螺纹活接头
Socket Union & Threaded Union



承插焊活接头
Socket Union



螺纹活接头
Threaded Union

HG/T21634 MSS SP-83

公称通径 (NPS) DN(IN)		外径 Outside Diameter D min		壁厚 Wall Thickness C min		承插孔径 Socket Bore d1	流通孔径 water way d2	承插孔深度 Depth of Socket Jmin	公称装配长度 Nominal Assembly Length L
DN	NPS	承插焊 Socket	螺纹 Threaded	承插焊 Socket	螺纹 Threaded	承插焊 Socket	承插焊、焊接 Socket & Threaded	承插焊 Socket	承插焊、焊接 Socket & Threaded
6	1/8	21.8	14.7	3.2	2.5	10.7	6.43	10	41.4
8	1/4	21.8	19.0	3.3	3.1	14.5	9.45	10	41.4
10	3/8	25.9	22.9	3.5	3.2	17.9	13.51	10	46.0
15	1/2	31.2	27.7	4.1	3.8	21.8	17.07	10	49.0
20	3/4	37.1	33.5	4.3	4.0	27.4	21.39	13	56.9
25	1	45.5	41.1	5.0	4.6	34.2	27.74	13	62.0
32	1 1/4	54.9	50.5	5.3	4.9	42.9	35.36	13	71.1
40	1 1/2	61.5	57.2	5.6	5.1	48.8	41.20	13	76.5
50	2	75.2	70.1	6.1	5.6	61.1	52.12	16	86.1
65	2 1/2	91.7	85.3	7.7	7.1	76.9	64.31	16	102.4
80	3	109.2	102.4	8.4	7.7	89.8	77.27	16	109.0

注：1) 活接头3000压力等级。
2) 螺纹按GB/T12716(ASME B1.20.1)中规定的60°圆锥管螺纹(NPT)制造；如顾客要求也可按GB7306中规定的55°圆锥螺纹(Rc)制造，订货时须注明。
3) 如顾客选用它外径的管子，订货时须注明管子标准或外径。
Note: 1) the union of 3000 classes.
2) thread according to GB/T12716 (ASME B1.20.1) specified in the 60° taper pipe threads (NPT) manufacturing; As the customer request can also be as specified in the Gb7306 (Rc) manufacturing, 55° taper thread when placing order, please clearly indicate.
3) such as customers use it outside diameter of pipe, when placing order, please indicate the pipe standard or outer diameter.

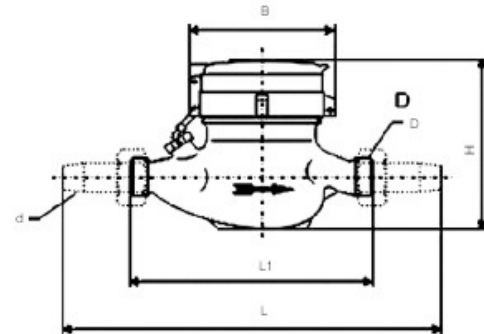
Instrument class

计量仪表类

www.wsdvalve.com
www.hawsd.com



LXSG-15~40
Multi-jet, Dry Dial Water Meter
With Plastic Body



测量要求 Measurement Requirements

Temperature class: T30;
Water pressure class: MAP10
Pressure-loss class: $\Delta p63$
Sensitivity to the irregularity in the upstream velocity fields class: U0
Sensitivity to the irregularity in the downstream velocity fields class: D0

最大允许误差 Maximum Permissible Error

- a) In the lower zone ($Q3 \leq Q < Q2$) $\pm 5\%$
b) In the upper zone ($Q2 \leq Q \leq Q4$) $\pm 2\%$

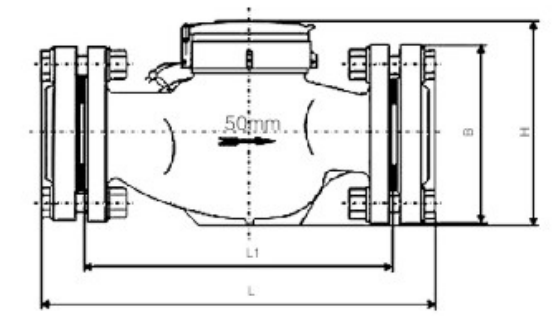
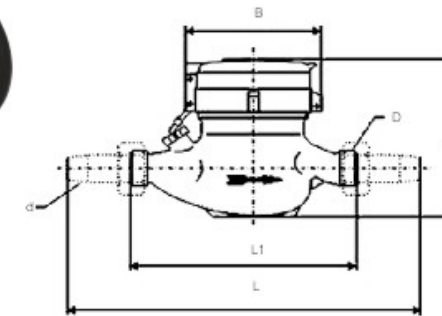
尺寸 Dimension

Size	L1	L	B	H	Connections	
DN	mm				D	d
15	165	259	99	109	G3/4B	R1/2
20	190	294	99	109	G1B	R3/4
25	260	380	104	119	G1 1/4B	R1
32	260	384	104	119	G1 1/2B	R1 1/4
40	300	428	125	156	G2B	R1 1/2

规格 Specifications

Size	Q ₃ /Q ₁	Q ₃	Q ₂	Q ₃	Q ₁	Min.reading	Max.reading
DN		m ³				m ³ /h	
15	80	3.1	2.5	0.050	0.031	0.00005	99.999
20	80	5	4	0.080	0.050	0.00005	99.999
25	80	7.9	6.3	0.126	0.079	0.00005	99.999
32	80	12.5	10	0.200	0.125	0.00005	99.999
40	80	20	16	0.320	0.200	0.00005	99.999

LXSG-15~50
Multi-jet, Dry Dial Water Meter



测量要求 Measurement Requirements

Temperature class: for cold water: T30, for hot water: T30/90;
Water pressure class: MAP10, MAP 16 on request
Pressure-loss class: $\Delta p63$
Sensitivity to the irregularity in the upstream velocity fields class: U0
Sensitivity to the irregularity in the downstream velocity fields class: D0

最大允许误差 Maximum Permissible Error

- a) In the lower zone ($Q3 \leq Q < Q2$) $\pm 5\%$
b) In the upper zone ($Q2 \leq Q \leq Q4$):
for water temperature up to 30°C
 $\pm 2\%$ from 30°C up to 90°C $\pm 3\%$

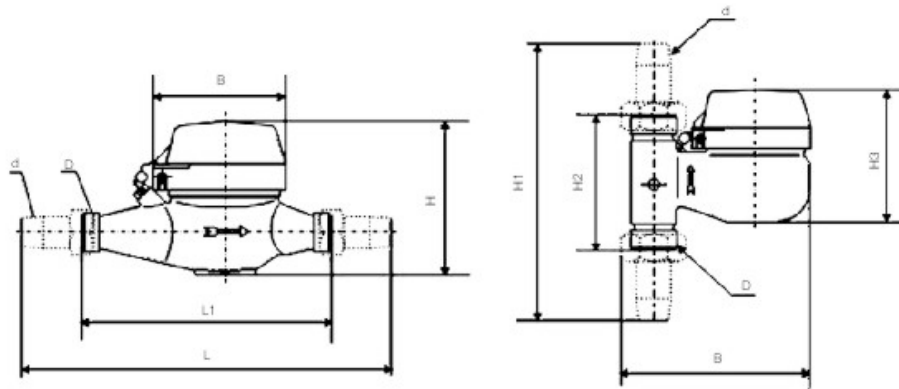
尺寸 Dimension

Size	L1	L	B	H	Threaded Connection	
DN	mm				D	d
15	165	259	99	109	G3/4B	R1/2
20	190	294	99	109	G1B	R3/4
25	260	380	104	119	G1 1/4B	R1
32	260	384	104	119	G1 1/2B	R1 1/4
40	300	428	125	156	G2B	R1 1/2
50	300	446	125	156	G2 1/2B	R2
50(铁壳)	280	360	165(法兰外径)	181	法兰连接 8-M16	

规格 Specifications

Size	Q ₃ /Q ₁	Q ₃	Q ₂	Q ₃	Q ₁	Min.reading	Max.reading
DN		m ³				m ³ /h	
15	80	3.1	2.5	0.050	0.031	0.00005	99.999
20	80	5	4	0.080	0.050	0.00005	99.999
25	80	7.9	6.3	0.126	0.079	0.00005	99.999
32	80	12.5	10	0.200	0.125	0.00005	99.999
40	80	20	16	0.320	0.200	0.00005	99.999
50	80	31	25	0.500	0.313	0.00005	99.999

LXSG-15S~50S
Multi-jet, Super-dry Dial
Water Meter



测量要求 Measurement Requirements

Temperature class: T30;
Water pressure class: MAP10
Pressure-loss class: $\Delta p63$
Sensitivity to the irregularity in the upstream velocity fields class: U0
Sensitivity to the irregularity in the downstream velocity fields class: D0

尺寸 Dimension

For horizontal installation: LXSG-15S~40S

Size	L1	L	B	H	Threaded Connection	
DN	mm				D	d
15	165	258	89	102	G3/4B	R1/2
20	195	298	89	102	G1B	R3/4
25	225	345	98	124	G1 ¹ / ₄ B	R1
32	230	354	104	124	G1 ¹ / ₂ B	R1 ¹ / ₄
40	200	328	112	130	G2B	R1 ¹ / ₂
50	245	389	124	152	G2 ¹ / ₂ B	R2

规格 Specifications

Size	Q ₁ /Q ₂	Q ₂	Q ₃	Q ₄	Q ₅	Min.reading	Max.reading
DN		m ³				m ³ /h	
15	80	3.1	2.5	0.050	0.031	0.00005	99.999
20	80	5	4	0.080	0.050	0.00005	99.999
25	80	7.9	6.3	0.126	0.079	0.00005	99.999
32	80	12.5	10	0.200	0.125	0.00005	99.999
40	80	20	16	0.320	0.200	0.00005	99.999
50	80	31	25	0.500	0.313	0.00005	99.999

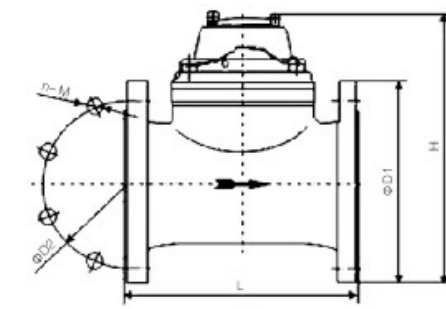
最大允许误差 Maximum Permissible Error

- a) In the lower zone ($Q_1 \leq Q < Q_2$) $\pm 5\%$
b) In the upper zone ($Q_2 \leq Q \leq Q_4$) $\pm 2\%$

For vertical installation: LXSG-15S~40S

Size	H1	H2	H3	B	Threaded Connection	
DN	mm				D	d
15	194	100	99.5	133	G3/4B	R1/2
20	204	100	99.5	137	G1B	R3/4
25	228	108	122.6	166	G1 ¹ / ₄ B	R1
32	274	150	133.6	220	G1 ¹ / ₂ B	R1 ¹ / ₄
40	278	150	133.6	228	G2B	R1 ¹ / ₂

LXLC-50~300
Wolt man Water Meter With Removable
Measuring Unit



测量要求 Measurement Requirements

Temperature class: for cold water: T30, for hot water: T30/90;
Water pressure class: MAP10 or MAP16 on request
Pressure-loss class: $\Delta p25$
Sensitivity to the irregularity in the upstream velocity fields class: U10
Sensitivity to the irregularity in the downstream velocity fields class: D5

最大允许误差 Maximum Permissible Error

- a) In the lower zone ($Q_1 \leq Q < Q_2$) $\pm 5\%$
b) In the upper zone ($Q_2 \leq Q \leq Q_4$):
for water temperature up to 30°C
 $\pm 2\%$ from 30°C up to 90°C $\pm 3\%$

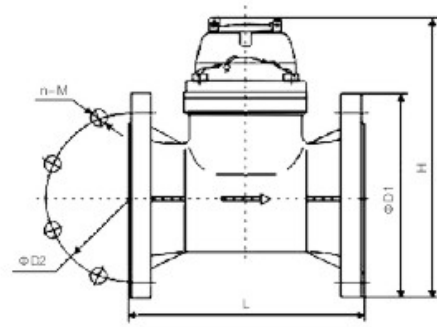
尺寸 Dimension

Size	L	H	Flange, GB/T17241.6-1998		
DN	mm		D1	D2	n-M
50	200	215	165	125	4-M16
65	200	215	185	145	4-M16
80	225	279	200	160	8-M16
100	250	289	220	180	8-M16
125	250	299	250	210	8-M16
150	300	319	285	240	8-M20
150(D)		360			
200	350	348	340	295	8-M20
200(D)		385			
250(D)	450	430	395	350	12-M20
		450	405	355	12-M24(MAP16)
		480	445	400	12-M20
300(D)	500	478	460	410	12-M24(MAP16)

流量技术参数 Flow Technique Specification

Size	Q ₁	Q ₂	Q ₂ /Q ₁	Q ₂	Q ₁	Min.reading		Max.reading	
						P	M	P	M
DN	m ³ /h		m ³						
50	31.3	25	50	0.8	0.5	0.0005	0.0002	999.999	999.999
	50	40	80	0.5	0.32				
65	50	40	50	1.28	0.8	0.0005	0.0002	999.999	999.999
			80	0.8	0.5				
80	78.8	63	50	2	1.26	0.002	0.002	999.999	9.999.999
			80	1.3	0.79				
100	125	100	50	3.2	2	0.002	0.002	999.999	9.999.999
			80	2	1.25				
125	200	160	50	5.12	3.2	0.002	0.002	999.999	9.999.999
			80	3.2	2				
150	312.5	250	50	8	5	0.002	0.002	999.999	9.999.999
			80	5	3.1				
200	500	400	50	12.8	a	0.002	0.002	999.999	9.999.999
			80	8	5				
250	787.5	630	25	40.32	25.2	0.02	0.02	9.999.999	99.999.999
			50	20.16	12.6				
300	1250	1000	25	64	40	0.02	0.02	9.999.999	99.999.999
			50	32	20				

LXXG-50~300
The Waterwheel Type Water Meter



测量要求 Measurement Requirements

Temperature class: for cold water: T30, for hot water: T30/90;
Water pressure class: MAP10 or MAP 16 on request
Pressure-loss class: Δp_{25}
Sensitivity to the irregularity in the upstream velocity fields class: U10
Sensitivity to the irregularity in the downstream velocity fields class: D5

最大允许误差 Maximum Permissible Error

- a) In the lower zone ($Q_1 \leq Q < Q_2$) $\pm 5\%$
b) In the upper zone ($Q_2 \leq Q \leq Q_4$):
for water temperature up to 30°C
 $\pm 2\%$ from 30°C up to 90°C $\pm 3\%$

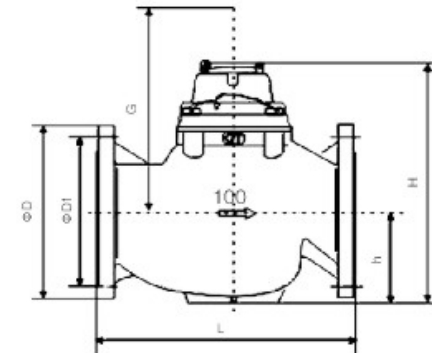
尺寸 Dimension

Size	L	H	Flange, GB/T17241.6-1998		
DN	mm		D1	D2	n-M
50	200	256	165	125	4-M16
65	200	270	185	145	4-M16
80	225	284	200	160	8-M16
100	250	295	220	180	8-M16
125	250	317	250	210	8-M16
150	300	339	285	240	8-M20
200	350	384	340	295	8-M20 12-M20 (MAP16)
250	400	430	395	350	12-M20
	450	435	405	355	12-M24 (MAP16)
300	450	480	445	400	12-M20
	500	488	460	410	12-M24 (MAP16)

流量技术参数 Flow Technique Specification

Size	Q ₁	Q ₂	Q ₃ /Q ₁	Q ₄ /Q ₁	Q ₅	Q ₆	Min.reading		Max.reading	
							P	M	P	M
DN	m³/h		Q ₃ /Q ₁	Q ₄ /Q ₁	m³/h		m³			
50	31.25	25			1.6	1.6	1	0.0005	0.0002	999.999
			4	4						
65	50	40	1.6	2.6	1.6	0.002	0.002	999.999	9.999.999	
			4	6.4						
80	78.8	63	1.6	4	2.5	0.002	0.002	999.999	9.999.999	
			4	10						
100	125	100	1.6	6.4	4	0.002	0.002	999.999	9.999.999	
			4	16						
125	200	160	1.6	10.2	6.4	0.002	0.002	999.999	9.999.999	
			4	25.6						
150	312.5	250	1.6	16	10	0.002	0.002	999.999	9.999.999	
			4	40						
200	500	400	1.6	25.6	16	0.002	0.002	999.999	9.999.999	
			4	64						
250	787.5	630	1.6	40.3	25.2	0.02	0.02	9.999.999	99.999.999	
			4	100.8						
300	1250	1000	1.6	64	40	0.02	0.02	9.999.999	99.999.999	
			4	160						

LXRG-40~200
The Vertical Helix Type Water Meter



测量要求 Measurement Requirements

Temperature class: for cold water: T30, for hot water: T30/90;
Water pressure class: MAP10 or MAP 16 on request
Pressure-loss class: Δp_{63}
Sensitivity to the irregularity in the upstream velocity fields class: U5
Sensitivity to the irregularity in the downstream velocity fields class: D5

最大允许误差 Maximum Permissible Error

- a) In the lower zone ($Q_1 \leq Q < Q_2$) $\pm 5\%$
b) In the upper zone ($Q_2 \leq Q \leq Q_4$):
for water temperature up to 30°C
 $\pm 2\%$ from 30°C up to 90°C $\pm 3\%$

尺寸 Dimension

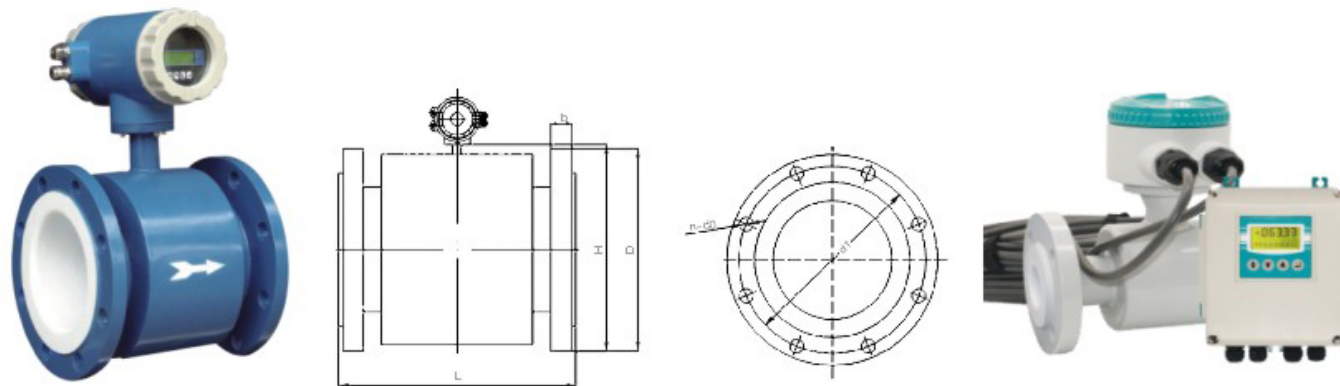
Size	L	H	h	G	Flange, GB/T17241.6-1998		
DN	mm				D1	D2	n-M
40	280	228	85	268	150	110	4-M16
	245	218	75	260	Thread connection G2B		
50	280	228	85	268	165	125	4-M16
80S	225	282	103	344	200	160	8-M16
80	370	282	103	344	200	160	8-M16
100S	250	303	116	350	220	180	8-M16
100	370	303	116	350	220	180	8-M16
150	500	430	155	565	285	240	8-M20
200	500	505	190	384	340	295	8-M20 12-M20(MAP16)

流量技术参数 Flow Technique Specification

Size	Q ₁	Q ₂	Q ₃ /Q ₁	Q ₄ /Q ₁	Q ₅	Q ₆	Min.reading		Max.reading	
DN	m ³ /h		Q ₃ /Q ₁	m ³ /h		Q ₆	P	M	P	M
m ²										
40	50	40	160	1.6	0.4	0.25	999.999		0.0005	0.0002
				6.3	1.6					
			200	1.6	0.32	0.2				
				6.3	1.3					
50	50	40	160	1.6	0.4	0.25	999.999		0.0005	0.0002
				6.3	1.6					
			200	1.6	0.32	0.2				
				6.3	1.3					
80	78.8	63	160	1.6	0.64	0.4	999.999		0.0005	0.0002
				6.3	2.5					
			200	1.6	0.5	0.32				
				6.3	2					
100	125	100	160	1.6	1	0.63	999.999		0.0005	0.0002
				6.3	4					
			200	1.6	0.8	0.5				
				6.3	3.2					
150	313	250	160	1.6	2.6	1.6	999.999		0.0005	0.0002
				6.3	10					
			200	1.6	2	1.25				
				6.3	7.9					
200	500	400	160	1.6	4	2.5	999.999		0.0005	0.0002
				6.3	16					
			200	1.6	3.2	2				
				6.3	12.6					

电磁流量计
Electromagnetic Flowmeter

DN15-DN150 , 1.6, 4.0MPa



法兰尺寸 (标准: EN1092-1) Flange dimensions (standard: EN1092-1)

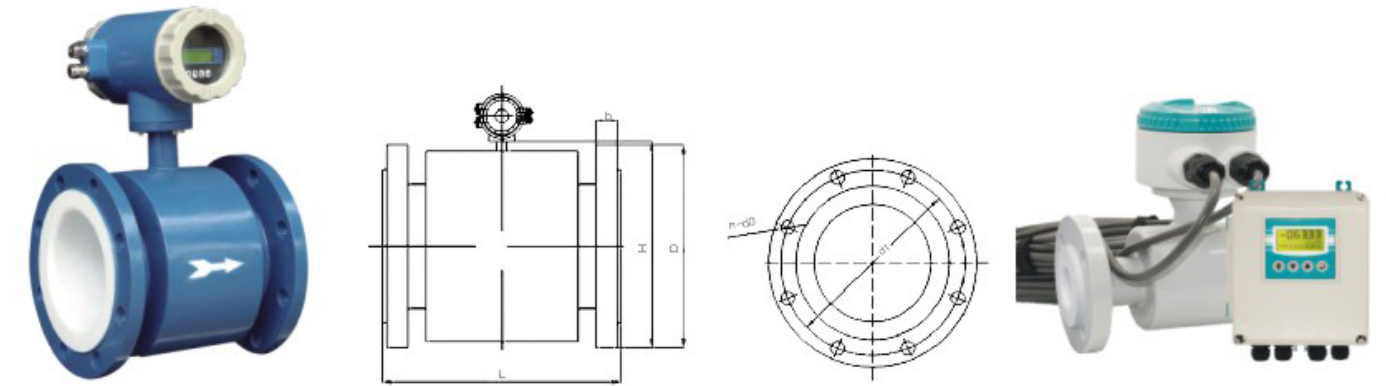
DN	L	H	1.6MPa					2.5MPa					Total height (Split)	Total height (Integral)
			D	d ₁	d ₂	n	b	D	d ₁	d ₂	n	b		
15	200	160	95	65	14	4	16	95	65	14	4	16	220	332
20	200	167	105	75	14	4	18	105	75	14	4	18	220	332
25	200	169	115	85	14	4	18	115	85	14	4	18	223	335
32	200	185	140	100	18	4	18	140	100	18	4	18	240	352
40	200	193	150	110	18	4	18	150	110	18	4	18	250	362
50	200	206	165	125	18	4	18	165	125	18	4	20	263	375
65	200	224	185	145	18	4	18	185	145	18	8	22	283	395
80	200	241	200	160	18	8	20	200	160	18	8	24	290	402
100	250	263	220	180	18	8	20	235	190	22	8	24	310	422
125	250	295	250	210	18	8	22	270	220	26	8	26	340	452
150	300	325	285	240	22	8	22	300	250	26	8	28	373	485
200	350	383	340	295	22	12	24	360	310	26	12	30	430	542

外形尺寸 External dimension

公称通径 Nominal diameter DN	L	H
15	200	160
20	200	167
25	200	169
32	200	185
40	200	193
50	200	206
65	250	224
80	250	241
100	250	263
125	250	295
150	300	325

电磁流量计
Electromagnetic Flowmeter

DN200-DN600 , 1.0, 1.6MPa



法兰尺寸 (标准: EN1092-1) Flange dimensions (standard: EN1092-1)

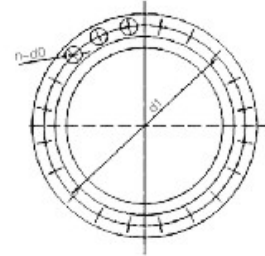
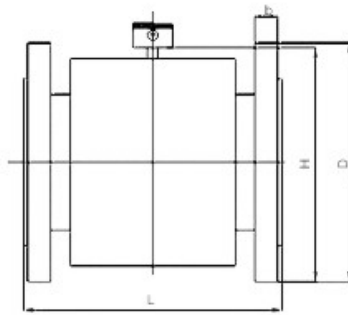
DN	L	H	1.6MPa					2.5MPa					Total height (Split)	Total height (Integral)
			D	d ₁	d ₂	n	b	D	d ₁	d ₂	n	b		
250	450	440	405	355	26	12	26	425	370	30	12	32	495	607
300	500	498	460	410	26	12	28	485	430	30	16	34	540	652
350	550	553	520	470	26	16	30	555	490	33	16	38	595	707
400	600	608	580	525	30	16	32	620	550	36	16	40	658	770
450	600	665	640	585	30	20	34	670	600	36	20	50	708	820
500	600	727	715	650	33	20	36	730	660	36	20	52	7660	872
600	600	840	840	770	36	20	40	845	770	39	20	56	882	994
700	700	895	910	840	36	24	40	960	875	42	24	60	982	1094
800	800	1002	1025	950	39	24	41	1085	990	48	24	64	1092	1204
900	900	1107	1120	1050	39	28	48	1180	1090	54	28	66	1192	1304
1000	1000	1222	1255	1170	42	28	59	1320	1210	56	28		1299	1411
1200	1200	1437	1485	1390	48	32	78	1530	1420	56	32		1488	1600

外形尺寸 External dimension

公称通径 Nominal diameter DN	L	H
200	350	383
250	450	440
300	500	498
350	500	553
400	500	608
450	550	665
500	550	727
600	600	840

电磁流量计
Electromagnetic Flowmeter

DN700~DN3000, 0.6, 1.0MPa



- 注: 1. DN700~DN3000无一体型
2. DN700~DN1600分离防爆型传感器外形和常规仪表相同。
Note: 1. DN700 ~ DN3000 no body type
2. DN700 ~ DN1600 separated explosion-proof sensor with the same shape as the conventional instrument.

法兰尺寸 (标准: GB/T9119) Flange dimensions (standard: GB/T9119)

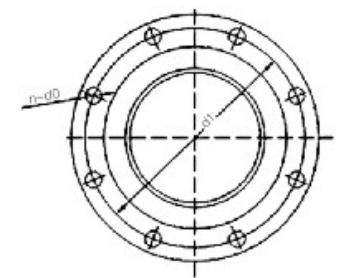
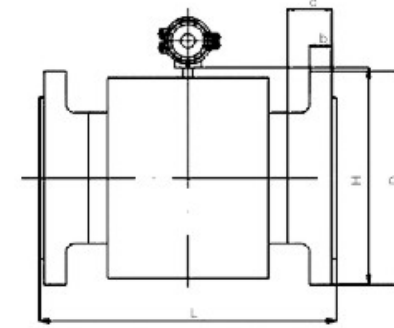
DN	1.0MPa					0.6MPa				
	D	d ₁	d ₂	n	b	D	d ₁	d ₂	n	b
700	895	840	30	24	30	860	810	26	24	26
800	1015	950	33	24	32	975	920	30	24	26
900	1115	1050	33	28	34	1075	1020	30	24	26
1000	1230	1160	36	28	34	1175	1120	30	28	26
1200						1405	1340	33	32	28
1400						1630	1560	36	36	32
1600						1830	1760	36	40	34
1800						2045	1970	39	44	36
2000						2265	2190	42	48	38
2200						2475	2390	42	52	42
2400						2685	2600	42	56	44
2600						2905	2810	48	60	46
2800						3115	3020	48	64	48
3000						3315	3220	48	68	50

外形尺寸 External dimension

公称通径 Nominal diameter DN	L	H
700	700	895
800	800	1002
900	900	1107
1000	1000	1222
1200	1200	1437
1400	1400	1663
1600	1600	1863
1800	1800	2072
2000	2000	2282
2200	2200	2487
2400	2400	2636
2600	2600	2836
2800	2800	3036
3000	3000	3236

电磁流量计
Electromagnetic Flowmeter

DN15~DN300, 6.3, 10.0MPa



法兰尺寸 (标准: GB/T9115) Flange dimensions (standard: GB/T9115)

DN	6.3MPa						10.0MPa					
	D	d ₁	d ₂	n	b	c	D	d ₁	d ₂	n	b	c
15	105	75	14	4	20	45	105	75	14	4	20	45
20	130	90	18	4	20	52	130	90	18	4	20	52
25	140	100	18	4	24	58	140	100	18	4	24	58
32	155	110	22	4	24	60	155	110	22	4	24	60
40	170	125	22	4	26	62	170	125	22	4	26	62
50	180	135	22	4	26	62	195	145	26	4	28	68
65	205	160	22	8	26	68	220	170	26	8	30	76
80	215	170	22	8	28	72	230	180	26	8	32	78
100	250	200	26	8	30	78	265	210	30	8	36	90
125	295	240	30	8	34	88	315	250	33	8	40	105
150	345	280	33	8	36	95	355	290	33	12	44	115
200	415	345	36	12	42	110	430	360	36	12	52	130
250	470	400	36	12	46	125	505	430	39	12	60	157
300	530	460	36	16	52	140	585	500	42	16	68	170

外形尺寸 External dimension

公称通径 Nominal diameter DN	L	H
15	200	160
20	200	174
25	200	180
32	220	192
40	220	203
50	220	213
65	250	234
80	250	248
100	300	278
125	350	318
150	400	355
200	450	420
250	600	473
300	600	533

- 注: 1. 可选用其它法兰标准: 德标: DIN2501; 美标: ANSI, ASME; 日标: JIS; 化工部: HG;
2. 特殊标准可根据用户要求。
Note: 1. Alternative flanges can be used: DIN2501; ANSI, ASME; JIS; HG;
2. Special standards may be based on user requirements.

选型原则 Selection principle

被测流体必须是导电性的液体或浆液，其电导率不小于 $5\mu\text{S/cm}$ ，被测流体不应含较多的铁磁性物质或气泡，应根据被测流体的特性选择合适的压力等级、衬里材料、电极材料及仪表结构形式。

The measured fluid must be conductive liquid or slurry, the conductivity is not less than $5\mu\text{S/cm}$. The measured fluid should not contain more ferromagnetic material or bubbles, should be based on the characteristics of the measured fluid to select the appropriate pressure level, lining materials, electrode materials and instrument structure.

整机和传感器 Machine And Sensor

- 1、因KDL D电磁流量计具备1500:1高范围度，通常选择仪表口径与工艺管道相同。
 - 2、若被测介质含固体颗粒，推荐的流速范围为 $1\sim 3\text{m/s}$ ，如实际流速过大，又不便改的，可选仪表通径大于工艺管道通径，以适当减小流量计测量管段的流体流速，减轻颗粒对电极和衬里的磨损。
 - 3、若工艺管道中可能有沉积物，推荐流速为 $2\sim 5\text{m/s}$ ，如实际流速过小，又不便更改工艺管道的，可选仪表通径小于工艺管道通径，以适当增大流量计的流体流速，避免沉积物对仪表精确度的影响。
 - 4、在流速太小而又要求高精度计量的，可选小于工艺管道通径的传感器，使流速变大，保证较高精确度。
- 上述2、3、4项情况，流量计上、下游须装异径管。异径管中心锥角应不大于 15° ，且异径管上游至少有5倍工艺管道直径的直管段。
- 为帮助选型，下表列出了几个具有代表性流速对应的流量。任何流量对应流速也可快捷地利用本表算出：若已知流量值 $Q(\text{m}^3/\text{h})$ ，再由表中查出相应通径下 1m/s 流速对应流量值 $Q1$ ，则：对应流速 $V=Q/Q1(\text{m/s})$ 。

1. KDL D electromagnetic flowmeter with 1500: 1 high range, usually choose the same caliber and process piping.
 2. If the measured medium contains solid particles, the recommended flow rate range is $1\sim 3\text{m/s}$. If the actual flow rate is too large, and not easy to change, the optional meter diameter is greater than the process pipe diameter, in order to properly reduce the flow meter to measure the flow rate of the pipe section to reduce the particles on the click and lining wear.
 3. If there is a sediment in the process piping, the recommended flow rate is $2\sim 5\text{m/s}$. Such as the actual flow rate is too small, and inconvenient to change the process pipeline, the optional meter diameter and process pipeline diameter, in order to properly increase the flow rate of the flow meter to avoid the impact of sediment on the instrument accuracy.
 4. In the flow rate is too small and requires high-precision measurement, optional small and process pipeline diameter sensor, the flow rate becomes larger, to ensure high accuracy.
- In the case of the above 2.3.4, the diameter of the center of the reducer shall be not more than 15° and the diameter of the process pipe shall be at least 5 times upstream of the reducer.
- For help selection, the following table lists several flow rates with representative flow rates. Any flow corresponding to the flow rate can also be quickly calculated using this table, if the known flow value $Q(\text{m}^3/\text{h})$, and then by the table to find the corresponding path 1m/s flow rate corresponding to the value of $Q1$, the corresponding flow rate $V = Q / Q1 (\text{M} / \text{S})$

衬里材料的选择 Material of Lining

衬里材料 Lining Material	主要性能 Main Fuctions	适用范围 Application
聚四氟乙烯 Teflon	1. 它是塑料中化学性能最稳定的一种材料；能耐沸騰的盐酸、硫酸、硝酸和王水，也能耐浓碱和各种有机溶剂，不耐三氯化氮、高温三氯化氮、高流速液氮、臭氧的腐蚀。 2. 耐磨性能差。 3. 抗负压能力差。 1. It is the most stable chemical properties of plastic in a material; Capable of boiling hydrochloric acid, sulfuric acid, nitric acid and aqua regia, but also resistant to alkali and a variety of organic solvents, Intolerance to chlorine trifluoride, high temperature chlorination, high flow liquid fluoride, ozone corrosion. 2. Poor wear resistance. 3. Poor resistance to negative pressure.	1、100°C、150°C { 特殊订货 } 2、浓酸、碱等强腐蚀性介质 3、卫生类介质 1. Temperature: 100°C, 150°C (special order) 2. Concentrated acid, alkali and other corrosive media 3. Health media
聚氯丁橡胶 Polychloroprene rubber	1. 有很好的弹性，高度的折断力，耐磨性能好。 2. 耐一般低浓度的酸、碱、盐介质的腐蚀，不耐氧化性介质的腐蚀。 1. There is excellent flexibility, a high degree of breaking force, good wear resistance. 2. Resistance to the general low concentration of acid, alkali, salt media corrosion, intolerant oxidation of the media corrosion.	1、80°C、120°C { 特殊订货 } 2、一般水、污水、磨损性弱的泥浆、矿浆。 1. Temperature: 80°C, 120°C (special order) 2. The general water, sewage, wear weak mud, pulp.
聚氨酯橡胶 Polyurethane rubber	1. 有很好的耐磨性（相当于天然橡胶的十倍）。 2. 耐酸、碱性能较差。 3. 不能用于混有有机溶剂的水。 1. With excellent wear resistance (equivalent to ten times the natural rubber). 2. Acid and alkali performance is poor. 3. Can not be used for mixed with organic solvent water.	1、$<80^\circ\text{C}$ 2、中性强磨损的矿浆、煤浆、泥浆等 1. Temperature : $<80^\circ\text{C}$ 2. Neutral strong wear of pulp, coal slurry, mud and so on

流速-流量对照表 Flow-flow comparison table

流量 flow rate m^3/h	流速 velocity m/s	0.01 (最小) (minimum)	1	2	3	4	5	15 (最大) (maximum)
通径 DN mm								
15		0.0064	0.6362	1.2723	1.9085	2.5447	3.1809	9.5426
20		0.0113	1.1310	2.2619	3.3929	4.5239	5.6549	16.9646
25		0.0177	1.7671	3.5343	5.3014	7.0686	8.8357	26.5072
40		0.0452	4.5239	9.0478	13.5717	18.0956	22.6195	67.8584
50		0.0707	7.0686	14.1372	21.2058	28.2743	35.3429	106.0288
65		0.1195	11.9459	23.8918	35.8377	47.7836	59.7295	179.1886
80		0.1810	18.0956	36.1911	54.2867	72.3823	90.4779	271.4336
100		0.2827	28.2743	56.5487	84.8230	113.0973	141.3717	424.1150
150		0.6362	63.6173	127.2345	190.8518	254.4690	318.0863	954.2588
200		1.1310	113.0973	226.1947	339.2920	452.3893	565.4867	1696.4600
250		1.7671	176.7146	353.4292	530.1438	706.8583	883.5729	2650.7188
300		2.5447	254.4690	508.9380	763.4070	1017.8760	1272.3450	3817.0351
350		3.4636	346.3606	692.7212	1039.0818	1385.4424	1731.8030	5195.4089
400		4.5239	452.3893	904.7787	1357.1680	1809.5574	2261.9467	6785.8401
450		5.7256	572.5553	1145.1105	1717.6658	2290.2210	2862.7763	8588.3289
500		7.0686	706.8583	1413.7167	2120.5750	2827.4334	3534.2917	10602.8752
600		10.1788	1017.8760	2035.7520	3053.6281	4071.5041	5089.3801	15268.1403
700		13.8544	1385.4424	2770.8847	4156.3271	5541.7694	6927.2118	20781.6354
800		18.0956	1809.5574	3619.1147	5428.6721	7238.2295	9047.7868	27143.3605
900		22.9022	2290.2210	4580.4421	6870.6631	9160.8842	11451.1052	34353.3157
1000		28.2743	2827.4334	5654.8668	8482.3002	11309.7336	14137.1669	42411.5008
1200		40.7150	4071.5041	8143.0082	12214.5122	16286.0163	20357.5204	61072.5612
1400		55.4177	5541.7694	11083.5389	16625.3083	22167.0778	27708.8472	83126.5416
1600		72.3823	7238.2295	14476.4589	21714.6884	28952.9179	36191.1474	108573.4421
1800		91.6088	9160.8842	18321.7684	27482.6525	36643.5367	45804.4209	137413.2627
2000		113.0973	11309.7336	22619.4671	33929.2007	45238.9342	56548.6678	169646.0033
2200		136.8478	13684.7776	27369.5552	41054.3328	54739.1104	68423.8880	205217.6640
2400		162.8602	16286.0163	32572.0326	48858.0490	65144.0653	81430.0816	244290.2448
2600		191.1343	19113.4268	38226.8536	57340.2804	76453.7072	95567.1340	286701.4020

Socket tube leak stopper series

Specification performance table

Unit: mm

Size	15	20	25	32	40	50	65
Length	115	125	125	148	150	153	155
Scope of application	Suitable for PVC pipe, PE pipe, steel pipe						
Pressure of work	≤ 1.0MPa						
Use	It is used for welding, hot melting, locking and quick repair of pipe, PE pipe and PVC pipe joints						



Plugging device series

Specification performance table

Unit: mm

Size	40	50	63	65	80	100	125	133	150	200	250	300
Length	125	140	200	180	200	200	200	200	200	200	200	200
Scope of application	Suitable for ductile iron tube, cast tube, PVC tube, PE tube											
Pressure of work	≤ 1.0MPa											
Use	It is used for repairing sand hole, crack and fracture of straight pipe											



Blue plastic tube



Orange cast tube

Socket plug series

Main material: Ductile iron, Natural rubber

The performance characteristics of

Pipeline plugging device is mainly used for pipeline fracture and pipe leak, the most ideal new products, sealing material and metal vulcanization in one, only the two workpiece to the pipeline a buckle, tighten the bolt can be.

Specification performance table

Unit: mm

Size	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000
Length	320	320	320	320	320	330	340	360	360	360	360	440	440	440	450
Scope of application	Suitable for ductile iron tube and cast tube														
Pressure of work	≤ 1.0MPa														
Use	It is used for repairing sand-hole, crack and fracture of pipe socket														



Three - way diameter change plug series

Main material: Ductile iron, Natural rubber

Specification performance table

Unit: mm

Size	63 × 20	63 × 25	90 × 63	110 × 63	110 × 90	160 × 110	200 × 110	200 × 160	300 × 200
Length	265	265	330	300	300	410	505	505	505
Scope of application	Suitable for PVC pipe, PE pipe, steel pipe								
Pressure of work	≤ 1.0MPa								
Use	It is used for quick repair of sand-hole, crack and fracture of tee pipe								



Three - way plugging device series

Main material: Ductile iron, Natural rubber

Specification performance table

Unit: mm

Size	15	20	25	32	40	50	65	80	100	160	200	300
Scope of application	Suitable for galvanized pipe, steel pipe, PE pipe, PVC pipe											
Pressure of work	≤ 1.0MPa											
Use	It is used for quick repair of sand-hole, crack and fracture of tee pipe											



Elbow plug series

Main material: Ductile iron, Natural rubber

Specification performance table

Unit: mm

Size	15	20	25	32	40	50	65	90	110	133	160	200	300
Scope of application	Suitable for galvanized pipe, steel pipe, PE pipe, PVC pipe												
Pressure of work	≤ 1.0MPa												
Use	It is used for repairing sand-hole, crack and fracture in the bending part of pipeline												



Plug 500 series

Main material: Ductile iron, Natural rubber

Specification performance table

Unit: mm

Size	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000
Length	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Scope of application	Suitable for ductile iron tube and cast tube														
Pressure of work	≤ 1.0MPa														
Use	It is used for repairing sand hole, crack and fracture of straight pipe														



Extended 1000 type leak stopper

Main material: Ductile iron, Natural rubber

Specification performance table

Unit: mm

Size	100	150	200	300	400	500	600
Length	1000						
Scope of application	Suitable for ductile iron tube and cast tube						
Pressure of work	≤ 1.0MPa						
Use	It is used for repairing sand hole, crack and fracture of straight pipe						



Ball pipe work



PVC, PE pipe

Socket PVC pipe leak stopper series

Main material: Ductile iron, Natural rubber

Specification performance table

Unit: mm

Size	63	75	90	110	160	200	225	250	315	355	400	450	500	630
Length	200	200	300	330	330	380	400	400	410	410	450	530	565	620
Scope of application	Suitable for PVC pipe, PE pipe, steel pipe													
Pressure of work	≤ 1.0MPa													
Use	It is used for repairing sand-hole, crack and fracture of pipe socket													



Special for electric melting tube

Plug PVC500 tube series

Main material: Ductile iron, Natural rubber

Specification performance table

Unit: mm

Size	90	110	133	160	200	315	355	400	450	500	560	630
Length	500	500	500	500	500	500	500	500	500	500	500	500
Scope of application	Suitable for PVC pipe, PE pipe, steel pipe											
Pressure of work	≤ 1.0MPa											
Use	It is used for repairing sand hole, crack and fracture of straight pipe											



Flange two - way tee

Main material: Ductile iron, Natural rubber

Specification performance table

Unit: mm

Φ 100 × 80	Φ 100 × 100	Φ 150 × 80	Φ 150 × 100	Φ 150 × 150	Φ 200 × 80
Φ 200 × 100	Φ 200 × 150	Φ 200 × 200	Φ 250 × 100	Φ 250 × 150	Φ 300 × 80
Φ 300 × 100	Φ 300 × 150	Φ 300 × 200	Φ 300 × 300	Φ 400 × 80	Φ 400 × 100
Φ 350 × 100	Φ 350 × 150	Φ 350 × 200	Φ 450 × 100	Φ 450 × 150	Φ 450 × 200
Φ 400 × 150	Φ 400 × 200	Φ 400 × 300	Φ 500 × 80	Φ 500 × 100	Φ 500 × 150
Φ 500 × 200	Φ 500 × 300	Φ 500 × 400	Φ 600 × 80	Φ 600 × 100	Φ 600 × 150
Φ 600 × 200	Φ 600 × 300	Φ 700 × 100	Φ 700 × 150	Φ 700 × 200	Φ 700 × 300
Φ 800 × 100	Φ 800 × 150	Φ 800 × 200	Φ 800 × 300	Φ 800 × 400	Φ 800 × 500
Φ 900 × 100	Φ 900 × 150	Φ 900 × 200	Φ 900 × 300	Φ 900 × 400	Φ 900 × 500
Φ 1000 × 100	Φ 1000 × 150	Φ 1000 × 200	Φ 1000 × 300	Φ 1000 × 400	Φ 1000 × 500
Use	Used for piping water				
Scope of application	Cast tube, ductile tube, PVC tube				
Instructions	PVC pipe flange tee 110 × 80-630 × 300 Cast tube, ball tube flange type two-way tee 100 × 80-1000 × 500				



PVC pipe, PE pipe two-way tee



Cast pipe, ball pipe two-way tee

Water card series

Main material: Ductile iron, Natural rubber

Specification performance table

Unit: mm

Φ 1	Φ 2	Φ 63 × 20	Φ 80 × 50	Φ 100 × 50	Φ 150 × 50	Φ 200 × 50	Φ 250 × 50	Φ 300 × 50	Φ 400 × 50	Φ 500 × 50	Φ 600 × 50
L × H		60 × 35	190 × 115	235 × 120	280 × 125	320 × 125	410 × 135	480 × 145	480 × 150	520 × 150	620 × 150
Scope of application	Suitable for casting pipe, ball pipe, PVC pipe, steel pipe										
Pressure of work	≤ 1.0MPa										
Use	Used for water distribution in main pipes										



Ball pipe work

PE pipe work

Fire control series

消防系列

www.wsdvalve.com
www.hawsd.com



Article Code	Connection Thread
TN03-S-01	R1/2"



Article Code	Connection Thread
TN03-S-02	R1/2"

TN03-S-07



01



02



03



Article Code	Connection Thread
TN03-S-03	R1/2"



Article Code	Connection Thread
TN03-S-04	R1/2"



Article Code	Connection Thread
TN03-S-05	M30 x 1.5



Article Code	Connection Thread	Gauge Thread
TN03-S-05	M30 x 1.5	M10 x 1-12.5

Available bulb temperature:

Orange	57°C
Red	68°C
Yellow	79°C
Green	93°C
Blue	141°C

Fire extinguisher cabinets



TN04-A-01



TN04-A-03A



TN04-A-02



TN04-A-04



TN04-A-02A



TN04-A-05



TN04-A-03



TN04-A-06

Fire hose cabinets



TN04-B-01



TN04-B-03



TN04-B-01A



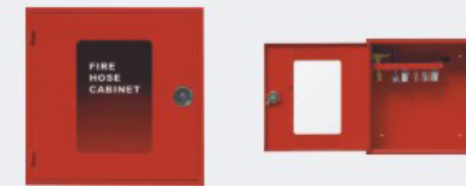
TN04-B-04



TN04-B-01B Stainless steel



TN04-C-10



TN04-B-02



TN04-C-10A



TN05-IT-01



TN05-IT-02



TN05-IT-05



TN05-IT-06



TN05-IT-03



TN05-IT-04

Code Number	Specification
TN05-IT-01	M56 × 4 - Φ 12
TN05-IT-02	M85 × 6 - Φ 13
TN05-IT-03	M56 × 4 - Φ 12
TN05-IT-04	M85 × 6 - Φ 13
TN05-IT-05	M56 × 4 - Φ 12
TN05-IT-06	M85 × 6 - Φ 12



TN05-MS-01



TN05-MS-02

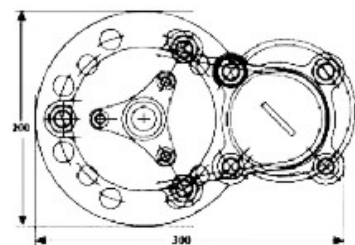
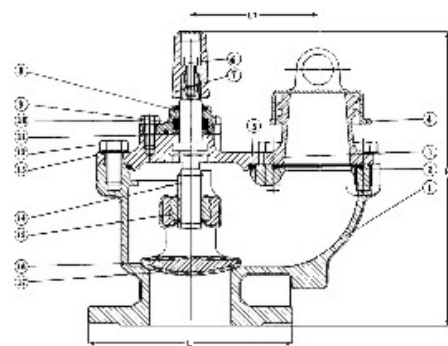


TN05-MS-03



TN05-MS-04

Code Number	Specification
TN05-MS-01	Φ 165 - 2.5" BS336
TN05-MS-02	BSPT2.5" - 2.5" BS336
TN05-MS-03	BSPT2.5" - 2.5" BS336
TN05-MS-04	4" × 2 Way (2.5" BS336) Breeching



Materials of construction

NO.	Description	Material
1	Body	Ductile iron, BS EN1563
2	Gland packing	O-rings NBR WN 12/7/1
3	Outlet	Gunmetal, BS EN1982 CC491K OR
4	Dust cap	Polythylene
5	Gland packing	O-rings NBR WN 12/7/1
6	Thrust collar	For stainless steel 1.4404 (316)
7	Stem cap	Grey cast iron, BS EN1561 EN-GJL-250
8	Gland packing	NBR WN 12/7/1
9	Gland packing	NBR ISO 5597-1987
10	Thrust collar	For stainless steel 1.4404 (316)
11	Gland packing	O-rings NBR WN 12/7/1
12	Thrust collar	For stainless steel 1.4404 (316)
13	Bonnet	Ductile iron, BS EN1563 EN-GJS-500-7
14	Stem	For stainless steel 1.4404 (316)
15	Stopper assembly	Complete with dzt brass
16	Stopper assembly	Ductile iron, BS EN1563 EN-GJS
17	Body/outlet seal	NBR WN 12/7/1

Dimensions & weights

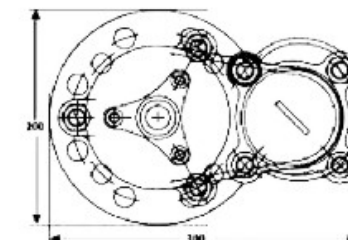
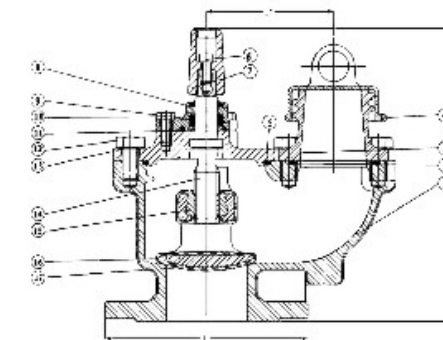
REF NO	DN	L	H	L1	Weight
With automatic Forst valve		mm	mm	mm	kilos
29-288-32x11000	80	200	288	126	19

When ordering: x=1 for fixed stopper and 2 for loose

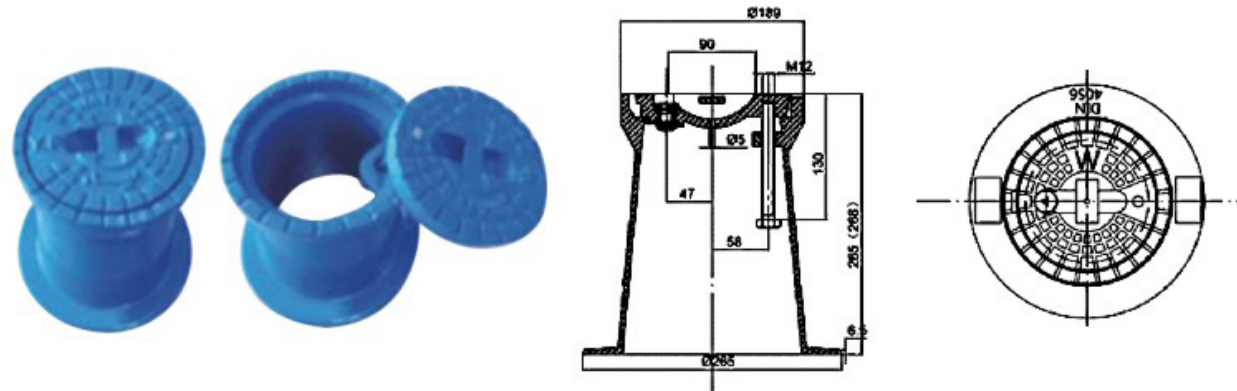
Executive standard **BS750:2006**

TESTS

HYDRAULIC TEST BS750PN16
SEAT:1.1XPN.BODY:1.5 XPN
OPERATING torque test.



Code Number	Specification
TN05-MS-01	Φ 165 - 2.5" BS336
TN05-MS-02	BSPT2.5" - 2.5" BS336
TN05-MS-03	BSPT2.5" - 2.5" BS336
TN05-MS-04	4" x 2 Way (2.5" BS336) Breeching



Valve hole is the underground pipeline and underground pipeline, such as water, oil, natural gas pipeline, etc.) of the valve to open and close in the need for part of the network operation or maintenance is convenient, is set similar to the small room of a pit (or well), such as the valve installation in the pit, is advantageous for the periodic inspection, cleaning and dredge pipe, prevent blockage of hub. This pit is called the valve well.

Technical requirements

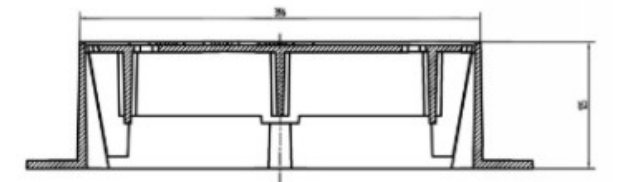
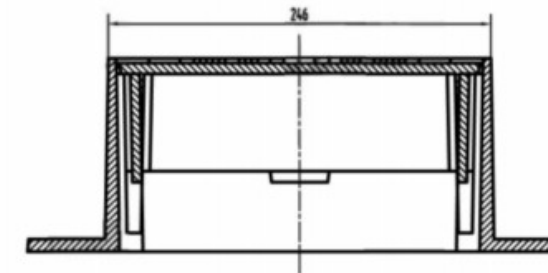
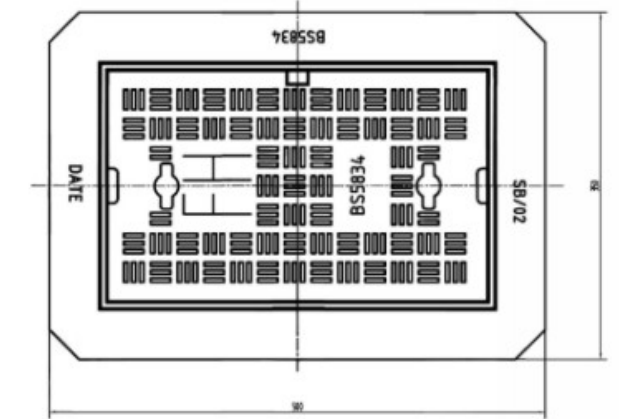
1. The valve well itself can not seepage water, must ensure its tightness;
2. During the use of the water supply pipeline, the pipeline will be subjected to pressure from different aspects, resulting in different degrees of vibration or settlement, that is, the connection between the water supply pipeline and the valve well should be reliable, able to adapt to a certain degree of vibration and settlement, without water infiltration into the well chamber; Cast iron valves (such as globe valve, butterfly valve, etc.) are generally used when the buried deep valve well pipe is a little larger (such as globe valve, butterfly valve, etc.).
3. The connection between the valve well wellbore and the well body and cover should be reliable. Water should not seep into the well chamber because of heavy rain or water.
4. The valve well is buried in the ground, to withstand different pressures from all directions, and different chemical corrosion and damage, and the requirements of its pressure capacity and acid and alkali corrosion resistance.

主要零件材质Material Specifications

序号 No.	部件 Parts	材料 Material
1	筒体Body	DI, 球墨铸铁DI, 碳钢WCB

设计标准 Valve design

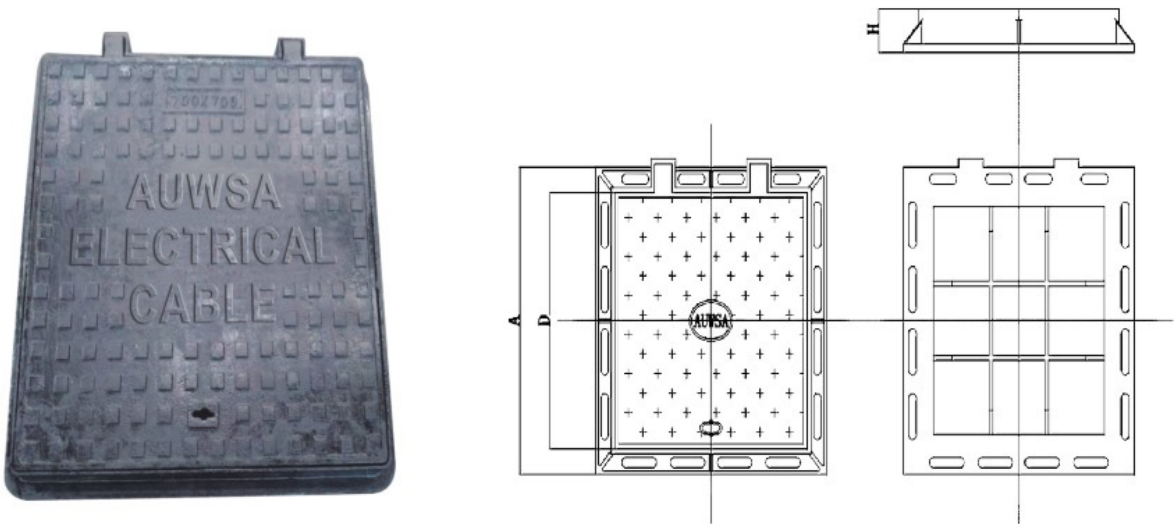
技术规范 Technical specification	
设计标准 Valve Design	ISO4056



Technical Requirement

1. BS 5834 Standard (include BS 750)
2. Material: Ductile Iron
3. Words: "FH", not less than 75mm
4. Frame Size: 230 x 380 x 125mm
Overbase Size: 350 x 500
5. Coating: Black Bitumen
6. Standard: DIN4055
7. Bearing weight: 15T





设计标准 Design criteria: EN124
材料 Material: 球墨铸铁 Ductile iron

Application
Manhole cover, used to cover a road or a deep well in a home to prevent people or objects from falling. According to the material can be divided into metal manhole cover, high strength fiber cement concrete manhole cover, resin manhole cover. Generally used round, square. In the urban road administration, generally adopted round, because the round manhole cover is not easy to tilt, can better protect the safety of pedestrians and vehicles. In the countryside and cable Wells, the use of the general use of the square, so as to better prevent the introduction of liquid such as rain.

Size	A	D	H	Weight
600	700	600	50	35
800	880	800	50	55
900	1000	900	50	95



- Canvas Fire Hose**
- ⊙ Lining: Natural rubber or PU
 - ⊙ Working pressure: 8, 10, 13 16bar
 - ⊙ Size: 1"~4"
 - ⊙ Color: white, red, yellow
 - ⊙ Length: 0~30M
- PVC Layflat Hose**
- ⊙ Working pressure: 2~8 Bar
 - ⊙ Size: 1"~8"
 - ⊙ Color: Blue, red
 - ⊙ Length: 0~100M



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