

30 Years of Manufacturing
Experience

WATER PIPELINE JOINT SYSTEMS



QINGDAO FLUIDO INDUSTRIAL CO.,LTD

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Type: Rubber Joint Series / Compensator Series
/ Expansion Series

Material: Steel, EPDM, NBR etc.

CONTENTS

PRODUCT

RUBBER JOINT SERIES

METAL HOSE SERIES

CORRUGATED COMPENSATOR SERIES

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FLANGE JOINT SERIES

PIPE CLAMP REPAIR SERIES

ABOUT FLUIDO

Qingdao Fluido is a professional manufacturer specializing in the research, development, and production of rubber joints, expansion joints, pipe fittings, and flanges. Our main products include single sphere and double sphere rubber joints, corrugated compensators, PTFE lined compensators, expansion joints, and related pipeline connection products.

With strict quality control, competitive prices, and customized solutions, our products have been widely used in many national projects and exported to customers worldwide.

Diagram of production equipment



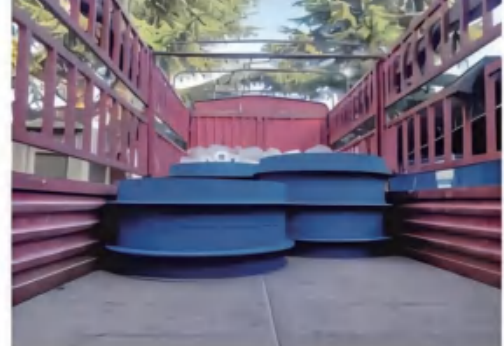
Production site



Production site



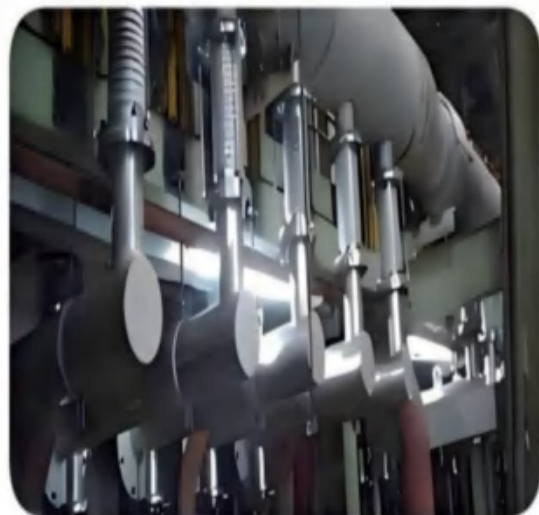
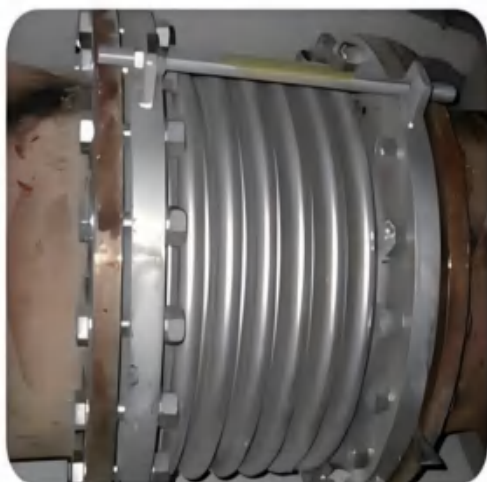
Delivery site



Engineeringn case



Engineeringn case



PRODUCT SHOWCASE



DOUBLE BALL RUBBER JOINT



SINGLE BALL RUBBER JOINT



LIMIT FLEXIBLE RUBBER JOINT



REDUCER RUBBER JOINT



ECCENTRIC RUBBER JOINT



CLAMP RUBBER JOINT



FLEXIBLE RUBBER JOINT



THREADED TYPE RUBBER JOINT



INTERNAL PRESSURE AXIAL CORRUGATION COMPENSATOR



PIPE LINED CORRUGATED COMPENSATOR



STAINLESS STEEL METAL HOSE



STAINLESS STEEL METAL HOSE LINED WITH PIPE



SINGLE FLANGE LIMITED TELESCOPIC JOINT



DOUBLE FLANGE LIMITED TELESCOPIC JOINT



SINGLE FLANGE POWER DELIVERY JOINT



DOUBLE FLANGE POWER DELIVERY JOINT

PRODUCT SHOWCASE



UNIVERSAL FLANGE
ADAPTORS



UNIVERSAL COUPLING



UNIVERSAL CONNECTOR



HANDLE CLAMP BUTTERFLY
VALVE



CLAMP BUTTERFLY VALVE



PNEUMATIC FLANGED
CENTERLINE BUTTERFLY VALVE



ELECTRIC FLANGE CENTERLINE
BUTTERFLY VALVE



ELECTRIC CLAMP
BUTTERFLY VALVE



MANUAL FLANGED CENTERLINE
BUTTERFLY VALVE



GATE VALVE



SWING CHECK VALVE



BUTTERFLY CHECK VALVE



REPAIR CLAMP



REPAIR CLAMP

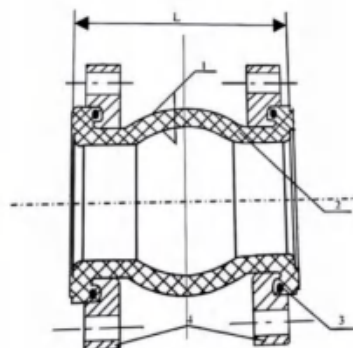


ORBICULAR NON-METALLIC
FABRIC COMPENSATOR



RECTANGLES NON-METALLIC
FABRIC COMPENSATOR

SINGLE SPHERE FLEXIBLE RUBBER JOINT



Main connection dimensions

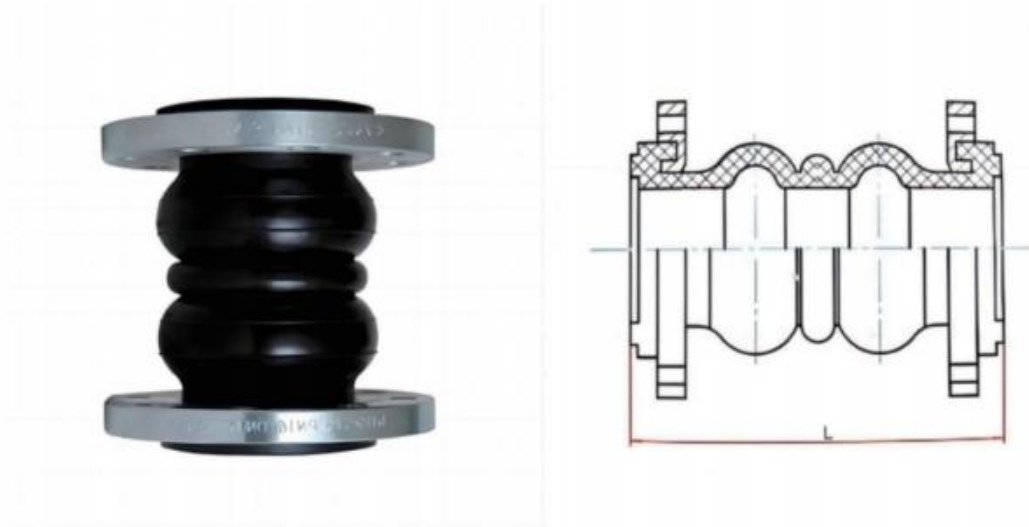
Nominal diameter		Length (mm)	Axial displacement		Lateral displacement (mm)	Deflexion angle
DN (mm)	inch		Extension (mm)	Compression (mm)		
32	1.25	95/130/152	6	9	9	15
40	1.5	95/130/152	6	10	9	15
50	2	105/130/152	7	10	10	15
65	2.5	115/130/152	7	13	11	15
80	3	130/135/152	8	15	12	15
100	4	130/135/150	10	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

Note: 1, special requirements can be made according to user drawings, flange standard GB/T9115.1-2000, optional(GB, HG ADIN, 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 pul of device shall be installed.

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

DOUBLE SPHERE FLEXIBLE RUBBER JOINT



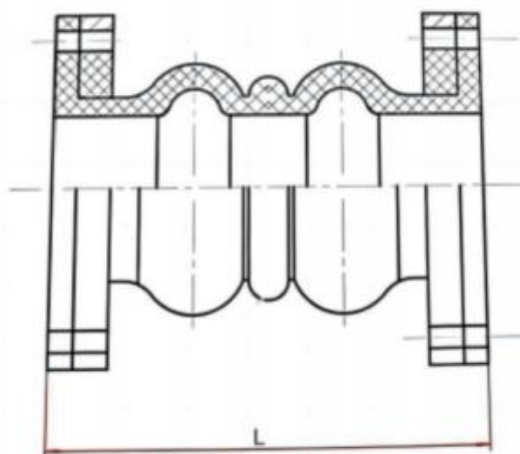
Main connection dimensions						
Nominal diameter DN		Length (mm)	Axial displacement		Lateral displacement (mm)	Deflexion angle
DN (mm)	inch		Extension (mm)	Compression (mm)		
40	1.5	165	30	50	45	40°
50	2	165	30	50	45	40°
65	2.5	175	30	50	45	40°
80	3	175	30	50	45	40°
100	4	225	35	50	40	35°
125	5	225	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°

Note: 1, special requirements can be made according to user drawings, flange standard GB/T9115.1-2000, optional(GB, HG, 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 pulley device shall be installed.

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

LIMIT FLEXIBLE RUBBER JOINT



Main connection dimensions

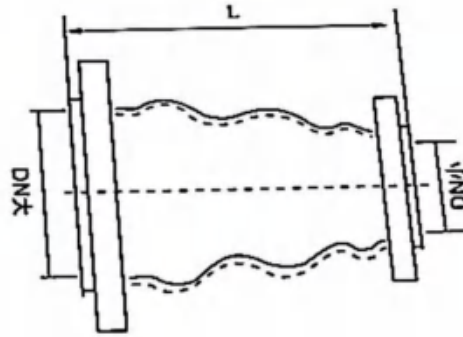
Nominal diameter DN		Length (mm)	Axial displacement		Lateral displacement (mm)	Deflexion angle (mm)
DN	inch		Extension(mm)	Compression(mm)		
500	20	400	35	50	35	20
600	24	400	35	50	35	20
650	26	330/400	35	50	35	20
700	28	400	35	50	35	20
750	30	400	35	50	35	20
800	32	400	35	50	30	20
900	36	400/450/500/600	35	60	30	20
1000	40	450/500	35	60	30	20
1200	48	450/500	35	60	30	20

Note: 1, special requirements can be made according to user drawings, flange standard GB/T9115.1-2000, optional(GB, HG ADIN,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 pul of device shall be installd.

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

REDUCING RUBBER JOINT



Main connrction dimensions

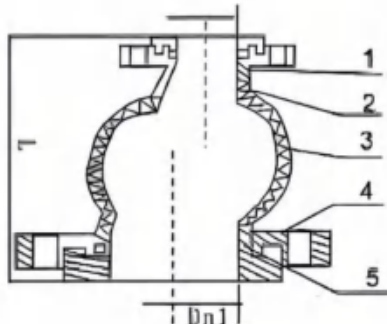
Nominaldameter DN ₁ X DN ₂ (mm)	Length (mm)	Axial displacement		Lateral displacement (mm)	Deflexion angle
		Extension (mm)	Compression (mm)		
50x32	180	20	30	45	35°
50x40	180	20	30	45	35°
65x40	180	20	30	45	35°
65x50	180	20	30	45	35°
80x40	180	20	30	45	35°
80x50	180	20	30	45	35°
80x65	180	20	30	45	35°
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°

Main connrction dimensions

Nominaldameter DN ₁ X DN ₂ (mm)	Length(mm)	Axial displacement		Lateral displacement (mm)	Deflexion angle
		Extension (mm)	Compression (mm)		
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	40	26°
350x250	240	28	38	40	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°

Note: DN200 or more joints, high pressure, high-rise building use, the pipeline must have a fixed support or fixed bracket, otherwise the product must have anti-disconnecting pulling device (the actual axial force of the product < counter-support force)

FLEXIBLE RUBBER JOINT ECCENTRIC REDUCER



Material Table		
No	Name	Material
1	Outer	IIR,CR,EPDM,NR,NBR
2	Inner	IIR,CR,EPDM,NR,NBR
3	Skeleton	Nylon
4	Flang	Q235,304,316L
5	Ring	Steel

Main connrction dimensions

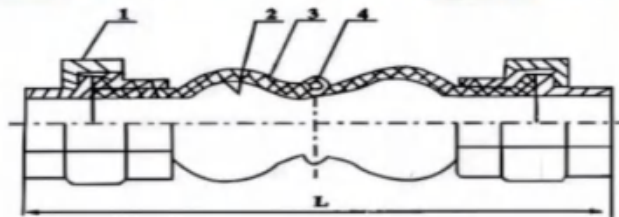
Nomianl diameter DN1 X DN2 (mm)	Length (mm)	Axial displacement		Lateral displacement (mm)	Deflexion angle
		Extension (mm)	Compression (mm)		
50x32	180	20	30	45	350
50x40	180	20	30	45	350
65x40	180	20	30	45	350
65x50	180	20	30	45	350
80x40	180	20	30	45	350
80x50	180	20	30	45	350
80x65	180	20	30	45	350
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
250x125	220	25	35	35	300
250x150	220	25	35	35	300
250x200	220	25	35	35	300
300x125	220	25	35	35	300
300x150	220	25	35	35	300
300x200	220	25	35	35	300
300x250	220	25	35	35	300
350x150	240	25	35	35	300
350x200	240	28	38	38	260
350x250	240	28	38	38	260
350x300	240	25	35	35	300
400x200	240	25	35	35	300
400x250	240	28	38	38	300
400x300	240	28	38	38	300
400x350	240	28	38	38	300
450x300	240	28	38	38	300
450x350	240	28	38	38	300
450x400	240	28	38	38	300
500x350	240	28	38	38	300
500x400	240	28	38	38	300
500x450	240	28	38	38	300
600x400	240	28	38	38	300
600x450	240	28	38	38	300
600x500	240	28	38	38	300

THREADED TYPE RUBBER JOINT

Factory
Direct

Quality
Assurance

Customized
processing



Material of all parts

No	Name	Material
1	Outer/inner rubber	NR,NBR,EPDM
2	Key frame	Nylon Cord Fabric
3	Pressurized ring	Steel wire
4	Thread woggle joint	Forged cast iron

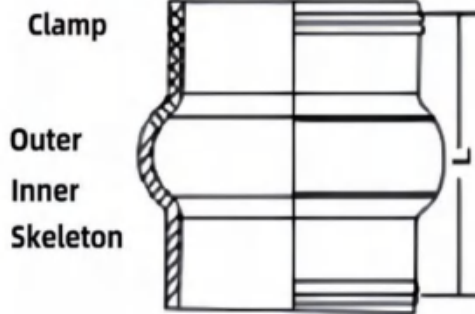
Tehnical Conditions

Working Pressure	1.6MPa(16Kgf/cm ²)	Deflexion angle	(a1+a2)45°
Bursting Pressure	4.8MPa(48Kgf/cm ²)	Vacuum	53.3KPa(400mmHg)
Applicable Temperature	-15-115℃ (for special conditions) it can be -30-+250℃		
Applicable Media	Air,compressed air,water,sea water,hot water,oil,acid and alkali,etc.		

Main connrction dimensions

Nomianl diameter		Length (mm)	Axial extension (mm)	Axial compression (mm)	Lateral displacement (mm)	Deflexion angle
DN (mm)	inch					
15	0.5	203	5-6	22	22	45°
20	0.75	203	5-6	22	22	45°
25	1	203	5-6	22	22	45°
32	1.25	203	5-6	22	22	45°
40	1.5	203	5-6	22	22	45°
50	2	203	5-6	22	22	45°
65	2.5	240/265	5-6	24	24	45°
80	3	240/285	5-6	24	24	45°

CLAMP RUBBER JOINT

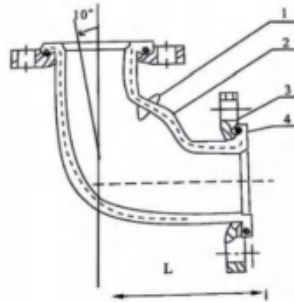


Material Table		
No	Name	Material
1	Outer	IIR,CR,EPDM,NR,NBR
2	Inner	IIR,CR,EPDM,NR,NBR
3	Skeleton	Nylon
4	Clamp	Q235,304,316L

Main connrction dimensions

Nomianl diameter		Length (mm)	Axial extension (mm)	Axial compression (mm)	Lateral displacement (mm)	Deflexion angle
DN (mm)	inch					
50	2	180	7	10	10	15°
65	2.5	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°

FLEXIBLE RUBBER JOINT



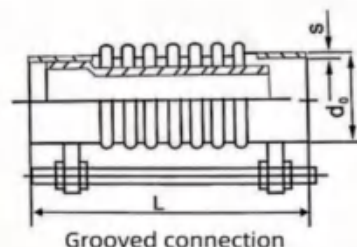
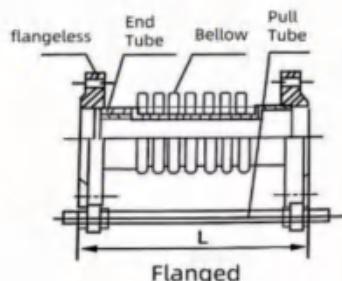
No	Name	Material
1	Main part	caoutchouc
2	Reinforcement	polyester cord fabric
3	Flange	Q235
4	Skeleton	Rigid Wire Rope

Item \ Type	WTX-1	WTX-II	WTX-III
Working Pressure MPa(Kg f/cm ²)	1.0(10)	1.6(16)	2.5(25)
Bursting Pressure MPa(Kg f/cm ²)	2.0(20)	3.2(32)	4.5(45)
Vacuum KPa (mmHG)	53.3(400)	86.7(650)	100(750)
Applicable Temperature °C	-15-115 (for special conditions) it can be -30-250		
Applicable Media	Air, compressed air, water, sea water, hot water, oil, acid and alkali, etc.		

Note: The main parts materials are the same as JGD type.

Main connrction dimensions						
Nomianl diameter		Length (mm)	Axial extension (mm)	Axial compression (mm)	Lateral displacement (mm)	Deflexion angle
DN1	Inch					
50	2	150	20	20	16	20°
65	2.5	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°

INTERNAL PRESSURE AXIAL CORRUGATION COMPENSATOR



Grooved connection

Design temperature: -20°C~+400°C

Design pressure: 0.25Mpa-2.5Mpa

Displacement direction: axial (a small number of transverse, angular)

Diameter: DN32-DN7000mm

The compensator has a bellows and two end fittings which are composed of the flexible deformation of the bellows to absorb the axial displacement of the pipeline, in which the ends of the receiver are connected to the pipeline, and the fixed stud is to ensure that the compensator is rigidly supported by the bellows in the transportation process.

Main connection size

Path	Wave number	Pressure Level					Effective area of bellows (cm²)	Max Outside Diameter (mm)	Length	
		0.25	0.6	1	1.6	2.5			Flange (mm)	Take over (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	28/25	22/51	20/44	18/89	15/98	23	244	164/259	269/289
40	16	50/14	46/26	41/22	36/45	31/47	23	244	230/304	319/334
50	8	25/30	22/51	20/70	18/70	5/106	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	40/6	34/7a	29/9	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

STAINLESS STEEL METAL HOSE

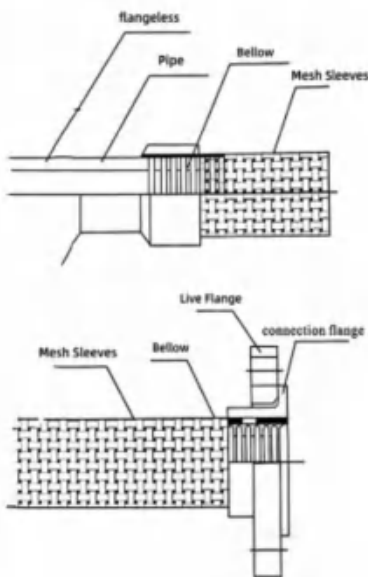
Stainless Steel Metal Flexible Hose is a high quality flexible pipe in modern industrial piping, which is mainly composed of bellows, mesh sleeve and joints. The inner tube has a spiral or ring-shaped thin-walled stainless steel bellows. The outer layer of the bellows, the mesh sleeve, is made of stainless steel wire or steel belt braided according to certain parameters, and the fittings or flanges at both ends of the hose are matched with the fittings or flanges of the customer's pipeline.

Corrugated metal hose has good flexibility, fatigue resistance, high temperature resistance, high and low temperature resistance, corrosion resistance and many other characteristics, it is relative to other hoses (rubber, plastic hose) life is much higher, with high comprehensive economic benefits, with the development of modern industry, the demand for high temperature and high pressure resistant corrugated metal hose is also greatly increased.

Scope of use of the hose: the need for full flexibility of the transport pipe, to prevent vibration of the premises piping, steam, gas, air, heavy oil, petroleum, chemical and pharmaceutical products are used.

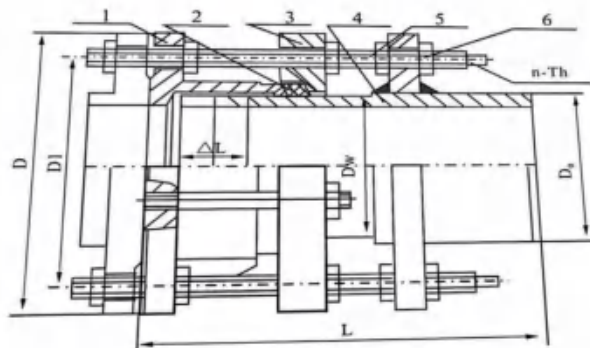


Nominal diameter DN	Internal diameter (mm)	External diameter		Minimum bending radius		Maximum working pressure Mpa	
		Corrugated pipe	With a layer of mesh sleeve	Static state	Dynamic	A layer of net cover	Two layer net cover
8	8.8	13.2	14.4	50	110	15	20
10	11.7	16.5	17.7	65	145	185	20
15	13.5	19.5	21.1	80	180	18	20
20	20	27	28.6	120	270	10	15
25	27	34.5	36.1	160	360	6.3	10
32	32	40	41.6	175	400	4	6.3
40	39.6	52	53.6	225	510	4	6.3
50	49.7	62	63.6	280	640	3	5
65	61.2	80.2	81.8	410	915	3	5
80	79	96.3	97.9	486	1030	3	5
100	101.2	119.6	121.2	610	1340	2.5	4
125	124.1	145.3	146.9	700	1540	2.5	4
150	149.4	180.8	182.4	810	1780	2.5	4
200	176	240	243.2	1000	2000	2.5	4
250	248	290	294	1250	2500	2.5	4
300	298	350	354	1500	3000	1.6	2.5
350	347	400	404.8	1750	3500	1.6	2.5
400	397.6	460	464.8	2000	4000	1.6	2.5



Fan Coil Connectors					
Nominal diameter DN	Length (mm)	Axial compression (mm)	Axial elongation (mm)	Lateral displacement (mm)	Deflection angle (mm)
15	280	10	5	20	450
20	280	10	5	20	450
25	280	10	5	20	450
32	280	10	5	20	450
40	300	10	5	20	450
50	300	10	5	20	450
65	300	10	5	20	450

SINGLE FLANGE POWER DELIVERY JOINT

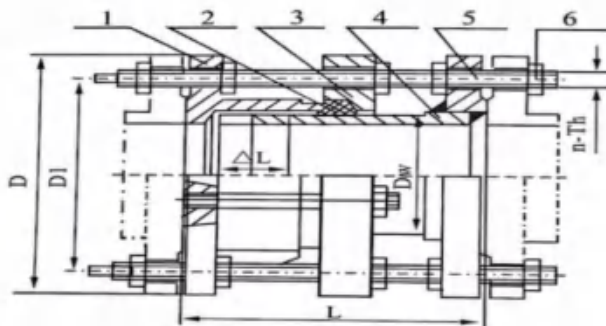


No	Name	Quantity	Material
1	Valve body	1	QT450-10,Q235A
2	Gasket	1	NBR
3	Follower	1	QT450-10,Q235A
4	Limited short pipe	1	Q235A
5	Bolt	1	Q235A,35#
6	Nut	Tn	Q235A,20#

Main connecting dimension												
Nominal diameter (DN)	External diameter of pipe		Shape dimension		Flange connection size							
					0.6MPa				1.0MPa			
	DW	DO	L	▲ L	D	D ₁	n-TH	b	D	D ₁	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			320	280		22	340	295		28
250	273	273			375	335	12-M16	24	395	350	12-M20	28
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	16-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	440		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	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			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	650	60	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			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				

Note: This size is in line with GB/T12465-2017 standard

DOUBLE FLANGE POWER DELIVERY JOINT

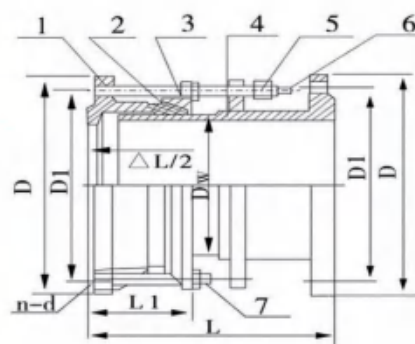


No	Name	Quantity	Material
1	Valve body	1	QT450-10,Q235A
2	Gasket	1	NBR
3	Follower	1	QT450-10,Q235A
4	Limited short pipe	1	Q235A
5	Bolt	1	Q235A,35#
6	Nut	Tn	Q235A,20#

Main connecting dimension												
Nominal diameter (DN)	External diameter of pipe (DW)	Shape dimension		Flange connection size								
				0.6MPa				1.0MPa				
		L	▲ L	D	D ₁	n-TH	b	D	D ₁	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		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
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	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	350	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	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	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	450		80	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				

Note: This size is in line with GB/T12465-2017 standard

DOUBLE FLANGE LIMITED TELESCOPIC JOINT



Material list

No	Name	Quqntity	Material
1	Valve body	1	QT450-10,Q235A
2	Gasket	1	NBR
3	Follower	1	QT450-10,Q235A
4	Limited short pipe	1	Q235A
5	Nut	4n	Q235A,20#
6	Long stud	n	Q235A,35#
7	Short stud	n	Q235A,35#

Main connecting dimension

Main connecting dimension										
Nominal diameter (DN)	External diameter of pipe (DW)	External dimension		Compensation length	Flange connection size					
		L	L ₁		0.6MPa			1.0MPa		
					D	D ₁	n- ϕ	D	D ₁	n- ϕ
65	76	300	105	50	160	130	4- ϕ 14	185	145	4- ϕ 18
80	89				190	150	4- ϕ 18	200	160	8- ϕ 18
100	108				210	170		220	180	
100	114				210	170		220	180	
125	133				300	105	50	240	200	8- ϕ 18
125	140	240	200	250				210		
150	159	265	225	285				240		
150	168	265	225	285				240		
200	219	320	280	340				295		
250	273	375	335	12- ϕ 18				395	350	12- ϕ 22
300	325	440	395	12- ϕ 22				445	400	16- ϕ 22
350	377	490	445					505	460	
400	426	370	130	65	540	495	16- ϕ 22	565	515	16- ϕ 26
450	480				595	550		615	565	20- ϕ 26
500	530				645	600	20- ϕ 22	670	620	20- ϕ 26
600	630				755	705	20- ϕ 26	780	725	20- ϕ 30
700	720				860	810	24- ϕ 26	895	840	24- ϕ 30
800	820	600	220	130	975	920	24- ϕ 30	1015	950	24- ϕ 33
900	920				1075	1020		1115	1050	28- ϕ 33
1000	1020				1175	1120	28- ϕ 30	1230	1160	28- ϕ 36
1200	1220				1405	1340	32- ϕ 33	1455	1380	32- ϕ 40
1400	1420				640	220	130	1630	1560	36- ϕ 36
1500	1520	1730	1660							
1600	1620	1830	1760	40- ϕ 36				1915	1820	40- ϕ 48
1800	1820	2045	1970	44- ϕ 40				2115	2020	44- ϕ 48
2000	2020	2265	2180	48- ϕ 42				2325	2230	48- ϕ 48
2200	2220	2475	2390	52- ϕ 42				2550	2440	52- ϕ 56
2400	2420	2685	2600	56- ϕ 42				2760	2650	56- ϕ 56
2600	2620	710	240	150				2905	2810	60- ϕ 48
2800	2820				3115	3020	64- ϕ 48	3180	3070	64- ϕ 56
3000	3020				3315	3220	68- ϕ 48	3405	3290	68- ϕ 60
3200	3220				3525	3430	72- ϕ 48			
3400	3420				3735	3640	76- ϕ 48			
3600	3620				3970	3860	80- ϕ 56			

Note: This size is in line with GB/T12465-2017 standard

UNIVERSAL FLANGE ADAPTORS



Briefs

- Connecting pipes made of iron, steel, etc.
- Working pressure PN 10/16/25;
- Maximum temperature -10°C to +70°C;
- Suitable for drinking water, neutral liquids and sewage;
- Wras approved

Standard

- Flanges: EN1092-2
- Coating: EN30677
- Test: EN12266-1

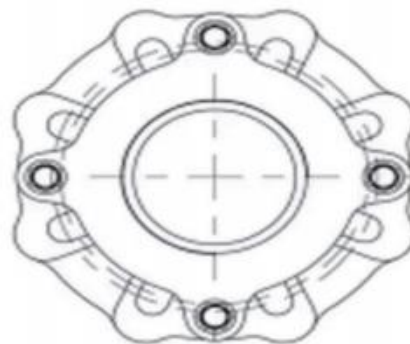
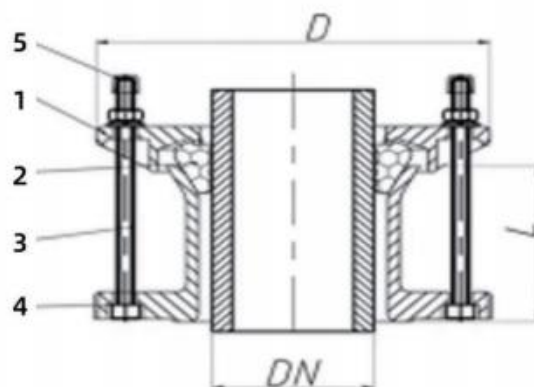
Features

- Wide range of applicable pipe diameters;
- Corrosion resistant construction;
- Total angular deviation of $\pm 4^\circ$

Option

- Flange drilled to BS or ANSI standards;
- GD8.8, stainless steel, Dacromet bolts;
- Various layers;
- Marking: rubber material, etc.

Product Structure



No	Name	Material	Quantity
1	Gland	GJS500-7	1
2	Gasket	EPDM	1
3	Bolt	GD4.8	N
4	Body	GJS500-7	1
5	Plastic cap	PLASTIC	N

UNIVERSAL FLANGE ADAPTORS

Main parameters					
DN	Scope of application (mm)	L(mm)	D(mm)	Bolt	
				Size	Quantities
DN50	59-72	75	165	M12*130	2
DN65	72-85	75	185	M12*130	2
DN80	88-103	76	185	M12*130	4
DN100	93-117	78	218	M12*130	4
DN100	105-122	78	218	M12*130	4
DN100	108-128	78	218	M12*130	4
DN125	125-140	78	250	M12*130	4
DN125	132-146	78	250	M12*130	4
DN125	138-153	78	250	M12*130	4
DN150	155-175	80	272	M12*130	4
DN150	158-182	80	272	M12*130	4
DN175	192-210	85	312	M12*130	4
DN200	218-235	85	335	M12*130	4
DN225	235-252	85	355	M12*130	4
DN225	250-267	85	405	M12*130	4
DN250	265-280	90	405	M12*130	6
DN250	272-289	90	405	M12*130	6
DN300	315-332	90	460	M12*130	6
DN300	322-339	90	460	M12*130	6
DN350	351-368	110	510	M16*180	8
DN350	374-391	110	510	M16*180	8
DN350	386-415	110	510	M16*180	8
DN400	400-429	110	580	M16*180	8
DN400	410-436	110	580	M16*180	8
DN400	418-435	110	580	M16*180	8
DN400	425-442	110	580	M16*180	8
DN450	455-472	115	640	M16*180	10
DN450	476-493	115	640	M16*180	10
DN500	500-532	120	690	M16*180	10
DN500	527-544	120	690	M16*180	10
DN600	600-630	130	820	M16*180	10
DN600	630-647	130	820	M16*180	10
DN700	738	150	860	M16*180	12
DN800	842	150	975	M16*180	12
DN900	945	150	1075	M16*180	14
DN1000	1048	150	1205	M16*180	14
DN1100	1152	150	1305	M16*180	16
DN1200	1265	150	1435	M16*180	16
DN1400	1462	150	1635	M16*180	18
DN1500	1565	150	1750	M16*180	18
DN1600	1668	150	1860	M16*180	20

UNIVERSAL COUPLING

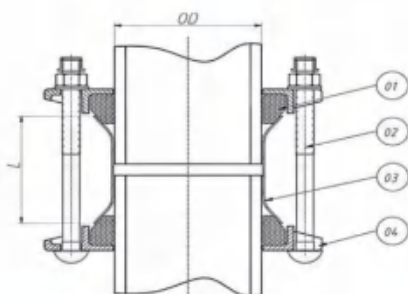
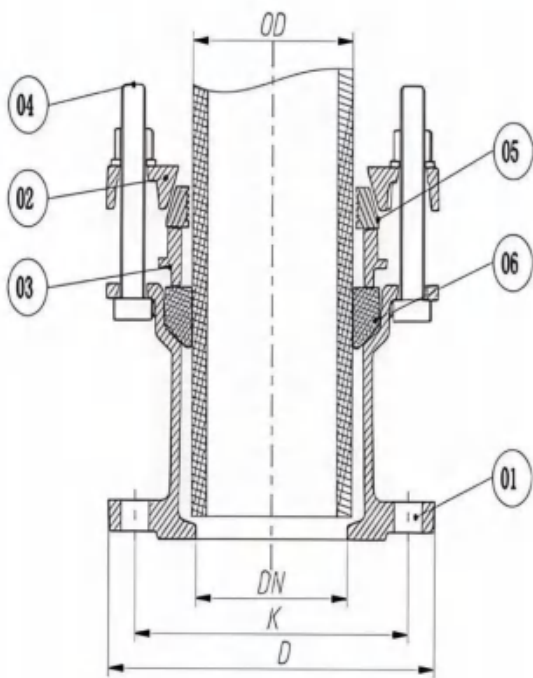
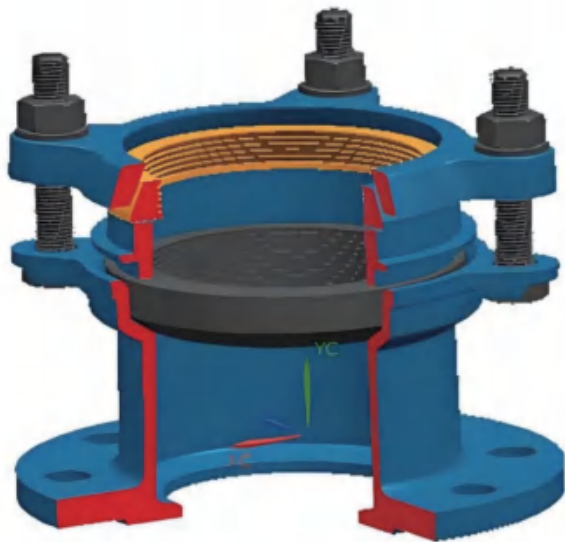


Table of main materials

No	Name	Material	Standard
1	GASKET	EPDM	EN 681-1
2	FASTENER	GD4.8	COMMERCIAL
3	SLEEVE	STEEL	EN 10025
4	END RING	EN GJS400-15	EN 1563

DN	RANGE(MM)	L(MM)	D(MM)	BOLT	
				SIZE	QTY
50	59-72	102	165	M12*180	2
65	72-85	102	185	M12*180	2
80	88-103	102	185	M12*180	4
100	109-128	102	218	M12*180	4
125	132-146	102	250	M12*180	4
150	159-182	102	272	M12*200	4
200	192-209	130	312	M12*220	4
200	218-235	130	335	M12*220	4
200	250-267	130	377	M12*220	6
250	272-289	130	405	M12*220	6
300	315-332	130	439	M12*220	6
300	322-339	130	452	M12*220	6
350	340-360	150	455	M16*250	6
350	351-368	150	518	M16*250	8
350	374-391	150	568	M16*250	8
400	400-429	150	580	M16*250	8
400	418-435	150	580	M16*250	8
400	425-442	150	625	M16*250	8
450	450-455	150	665	M16*250	10
450	455-472	150	665	M16*250	10
500	500-505	150	690	M16*250	10
500	527-544	150	715	M16*250	10
500	555-572	150	715	M12*260	10
600	600-630	150	790	M12*260	10

UNIVERSAL CONNECTOR (NO PIPE MATERIAL RESTRICTIONS)



DN	Common Pipe Diameter OD			D	K
	ductile iron pipe	Steel Pipe	PVC/PE		
50	66	60.3	63	165	125
65	82	76.1	75	185	145
80	98	88.9	90	200	160
100	118	114.3	110	220	180
125	144	139.7	140	250	210
150	170	168.3	160	285	240
200	222	219.1	200	340	295
250	274	273	250	400	355
300	326	323.9	315	355	410
350	378	355.6	355	520	470
400	429	406.4	400	580	525
450	480	457	450	640	585
500	532	508	500	715	650
600	635	610	630	840	770
700	738	711		910	840
800	842	813		1025	950
900	945	914		1125	1050
1000	1048	1016		1255	1170

Table of main materials

No	Name	Material	Quantity
1	Flange	GJS450-12	1
2	Gland	GJS450-12	1
3	Pressure ring	GJS450-12	1
4	Fasteners	GD4.8	N
5	Locking ring	GJS450-12/Q235	1
6	Rings	EPDM/NBR	1