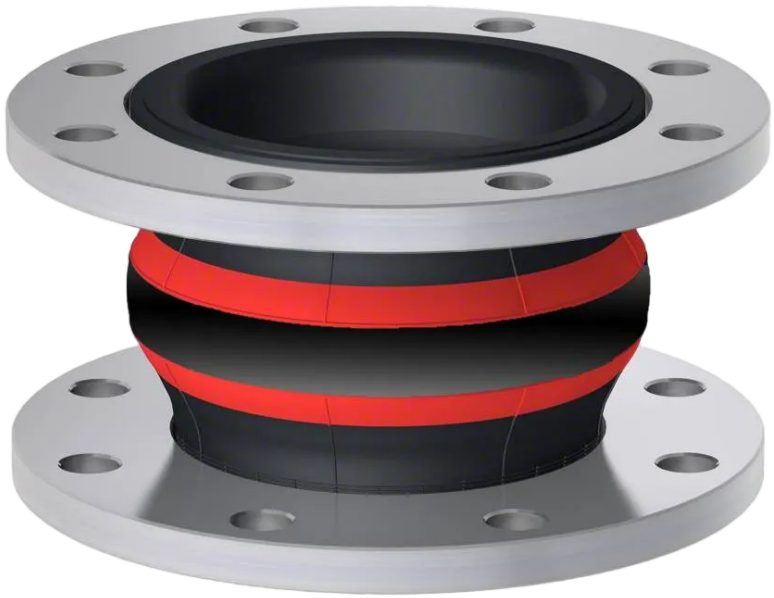
YFDJGD
RUBBER EXPANSION JOINT

Product Description

YFJGD single shpere rubber expansion joint use high quality custom-made expansion joints supplied with split or fixed steel backingflanges. The full face flanges are integral with the body of the joint and drilled to conform the bolt pattern of the companion flanges
of the pipe line
Rubber: BR, EPDM, NBR, PTFE etc.
Flanges: Cast steel or carbon steel galvanized A105,SS304,SS316, Drilled to EN, ANSI, AWWA, JIS standards or any specific dimension.
For vacuum applications, an internal vacuum ring is incorporated.



Technical Data	
Size range	DN25-DN1600
Pressure range	PN 10-16/Class 150/JIS10K
Temperature	EPDM : -10°C to +100 °C NBR: - 10°C to + 80 °C VITON :-10°C to + 180°C
Design	GB/T12238/DIN 30680
Face to face	GB/T1222/EN 1092 - 1 / ISO 7005 - 1
Connection	Flanged Standard
Flange	Stainless steel /Galvanised Steel
Testing	EN 12266-1
Medium	Water,oil,Gas

Application Range

- HVAC Systems
- PumpingStations
- Water Treatment Plants
- Reservoirs and Tanks
- Irrigation
- Industrial Applications

Related Products

- YFZ44T MATEL SEAT GATE VALVE
- YFPZ73X KNIFE GATE VALVE
- YFH44X SWING CHECK VALVE

HVAC IRRIGATION POTABLEWATER INDUSTRY

ISO CE EAC WRAS APPROVED PRODUCT

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Product Description

1.Corrosion-Resistant Flange Assembly

Flanges are pickled before being coated with Akzo Nobel epoxy powder (25μm thick). The coating boasts Class 01 adhesion and 50 kg·m impact resistance, delivering excellent corrosion protection in humid environments.

2.Durable Reinforced Rubber Body

Made from imported EPDM rubber with 45% rubber content, the joint has its ends thickened by 10mm. It offers high tensile/compression strength, along with strong resistance to aging, high and low temperatures for extended service life.

3.Anti-Displacement & Wear-Resistant Design

Built-in reinforced steel wire rings prevent the rubber body from detaching under pressure or pipeline movement. The flange's optimized inner arc (R=67) reduces friction between the flange and rubber, minimizing wear.

4.Vibration & Noise Reduction

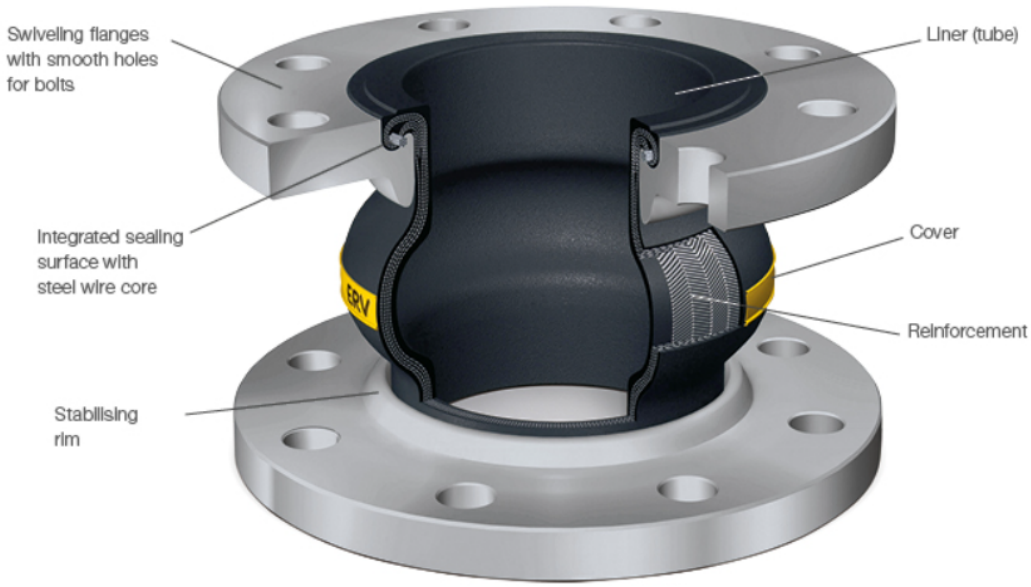
The flexible rubber structure effectively absorbs pipeline vibrations and reduces noise, protecting both the pipeline system and connected equipment.

5.Multi-Directional Displacement Compensation

Capable of absorbing axial, lateral and angular displacements, it relieves pipeline stress and extends the overall system lifespan.

6.Reliable Sealing & Easy Installation

Provides tight, leak-proof sealing while enabling quick and convenient installation, making it suitable for various pipeline systems.



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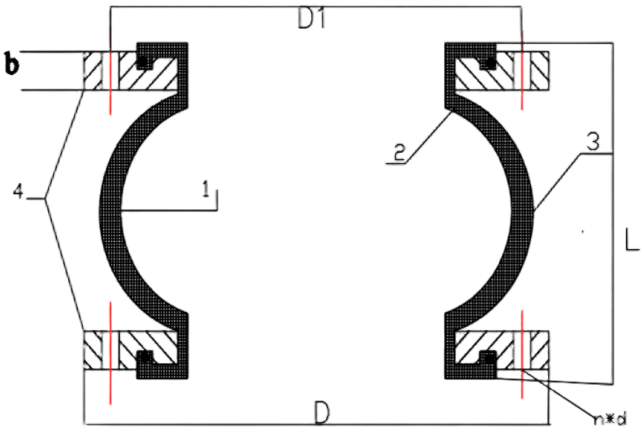
Single Sphere PN16 DN32-DN600



NO.	NAME	MATERIAL
1	Tube	EPDM/NBR/PTFE
2	ReinfocingFabric	Nylon
3	Cover	EPDM/NBR/PTFE
4	Flange	Cast Steel/SS304/SS316

Size	Pressure	Outer diameter/D	Center distance/D1	Hole numberHole diameter/m*d	flangethickness/b	Length/L
DN32	PN16	140mm	100mm	4*18mm	14mm	95mm
DN40	PN16	150mm	110mm	4米18mm	16mm	95mm
DN50	PN16	165mm	125mm	4*18mm	18mm	105mm
DN65	PN16	185mm	145mm	4*18mm	18mm	115mm
DN80	PN16	200mm	160mm	8*18mm	20mm	135mm
DN100	PN16	220mm	180mm	8*18mm	20mm	150mm
DN125	PN16	249mm	210mm	8*18mm	21mm	165mm
DN150	PN16	285mm	240mm	8*22mm	22mm	180mm
DN200	PN16	340mm	295mm	12*22mm	24mm	210mm
DN250	PN16	405mm	355mm	12*26mm	26mm	230mm
DN300	PN16	460mm	410mm	12*26mm	26mm	245mm
DN350	PN16	520mm	470mm	16*26mm	28mm	255mm
DN400	PN16	580mm	525mm	16*30mm	30mm	255mm
DN450	PN16	640mm	585mm	20*30mm	32mm	255mm
DN500	PN16	712mm	650mm	20*33mm	36mm	255mm
DN600	PN16	840mm	770mm	20*36mm	40mm	260mm

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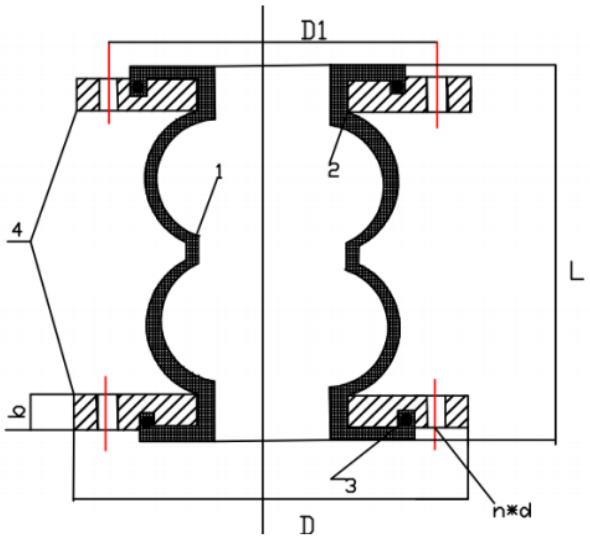
Double Sphere PN16 DN32-DN600



NO.	NAME	MATERIAL
1	Tube	EPDM/NBR/PTFE
2	ReinfocingFabric	Nylon
3	Cover	EPDM/NBR/PTFE
4	Flange	Cast Steel/SS304/SS316

Size	Pressure	Outer diameter /D	Center distance /D1	Hole numberHole diameter/n*d	flangethickness /b	Length/L
DN32	10K	135mm	100mm	4*19mm	16mm	165mm
DN40	10K	140mm	105mm	4*19mm	16mm	165mm
DN50	10K	155mm	120mm	4*19mm	16mm	165mm
DN65	10K	175mm	140mm	4*19mm	18mm	170mm
DN80	10K	185mm	150mm	8*19mm	18mm	175mm
DN100	10K	210mm	175mm	8*19mm	18mm	225mm
DN125	10K	250mm	210mm	8*23mm	20mm	225mm
DN150	10K	280mm	240mm	8*23mm	22mm	225mm
DN200	10K	330mm	290mm	12*23mm	22mm	325mm
DN250	10K	400mm	355mm	12*25mm	24mm	325mm
DN300	10K	445mm	400mm	16*25mm	24mm	325mm
DN350	10K	490mm	445mm	16*25mm	26mm	350mm
DN400	10K	560mm	510mm	16*27mm	28mm	350mm
DN450	10K	620mm	565mm	20*27mm	30mm	350mm
DN500	10K	675mm	620mm	20*27mm	30mm	350mm
DN600	10K	795mm	730mm	24*33mm	32mm	400mm

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Installation

The installation should be designed so that the rubber expansion joints was not used as a supportelement

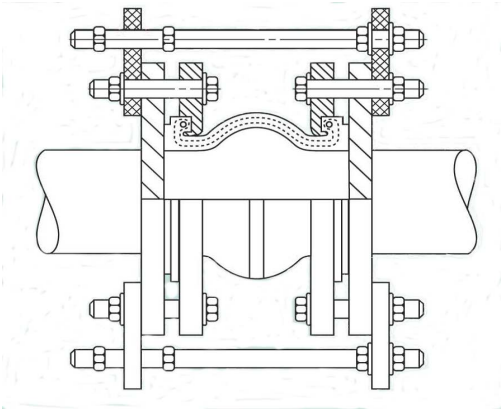
The pipeline should be equipped with fixed supports and sliding guides in the appropriate place.

Counter flanges should be clean and free of burrs and oil and should fit the mounting area of the rubberbellow.

Where the mounting of the rubber expansion joint takes place after the pump, on the discharge side,or when the pressure exceeds the values in the table tie rods needs to be installed

Nominal diameter DN	Maximum pressure value bar
15 - 100	12.2
125 - 250	9.3
300 - 350	6.2
400 - 600	3.1

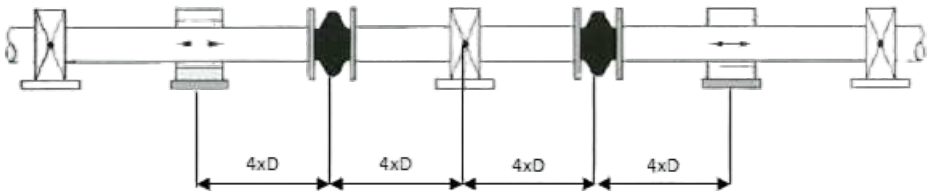
Rubber expansion joints with tie rods



Number of control rods depending on the diameter

Nominal diameter DN	number of control rods
32 - 300	2
350 - 600	4

Basic installation scheme



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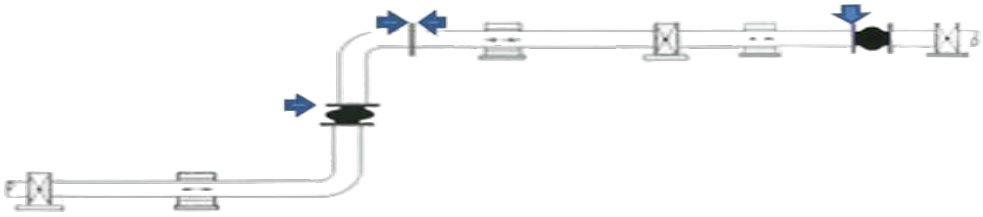
Installation

Counter flanges between which the rubber expansion joints is mounted should be parallel and the distancebetween the rebate should be consistent with "L" The permissible deviation of the installation dimension is max.+/-5 mm.

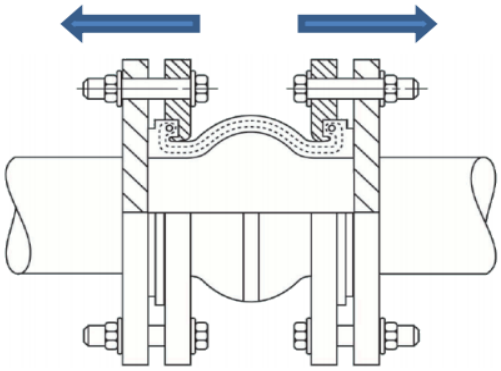


When mounting the rubber expansion joints in the vicinity of the pump, the distance of the rubber expansion joints from the nozzle should be 1.5 x DN.

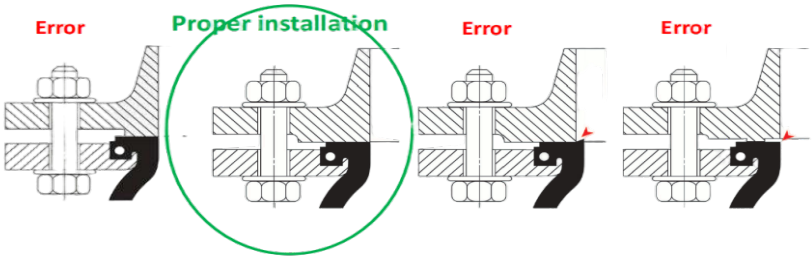
When mounting the rubber expansion joints system with a pretension (acceptable compression 5mm) first the rubber expansion joints should be installed between the rebates and only then you can immobilize the system. Failure to keep this order may lead to falling out of the sealing lip of the groove of the flange and damage of the rubber expansion joints.

Recommendations for assembly.

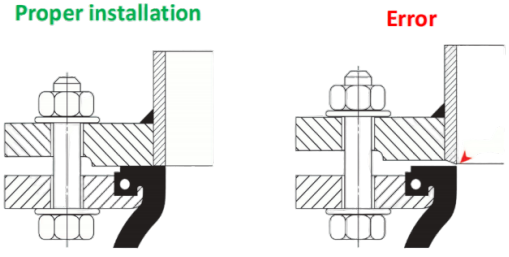
- nuts should be placed on the side of the counter flange.



- counter flanges should be selected specifically. Proper surface of the sealing face must coincide with the surface of the rubber expansion joints. Proper selection is shown in Figure below.



- edge of the pipe protruding beyond the surface of the rebate can destroy the rubber expansion joints. The joint plane should be aligned.



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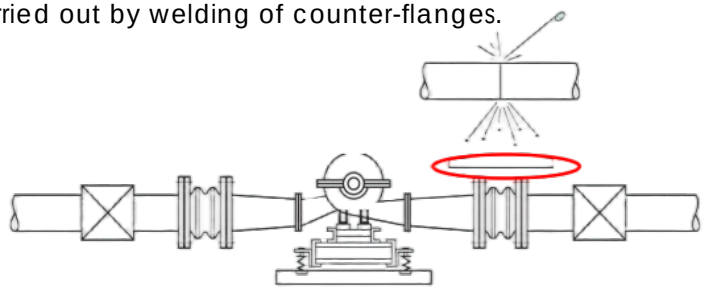
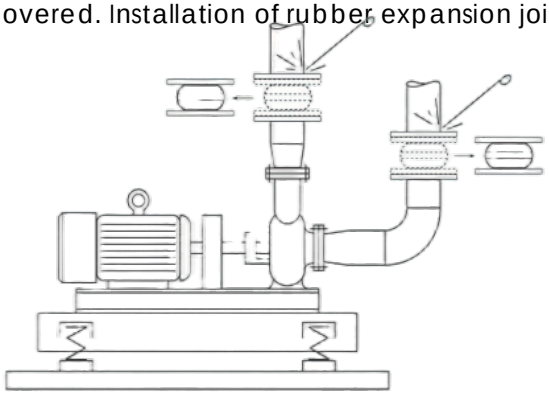
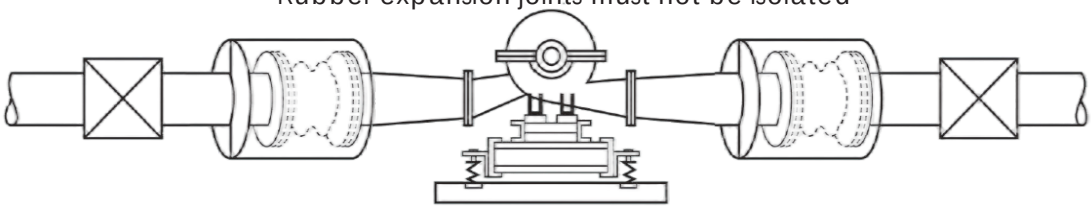
- at the time of assembly you should be careful near the rubber expansion joints. In particular when grinding and welding, rubber expansion joints should be covered. Installation of rubber expansion joints may be carried out by welding of counter-flanges.



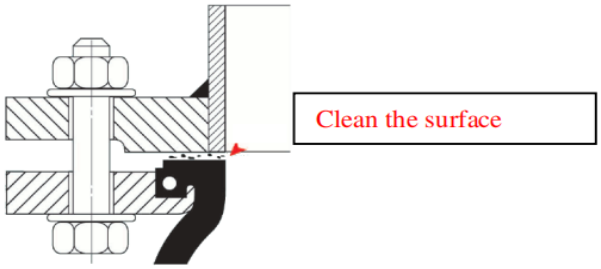


- in case of installation outside of the building, where the rubber expansion joints is exposed to direct sunlight the permanent cover should be provided.

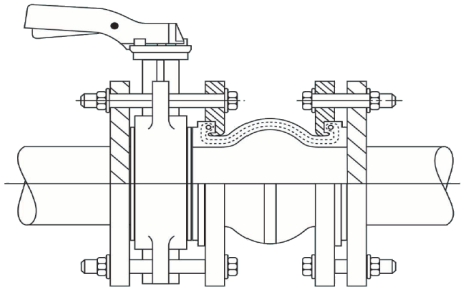
Rubber expansion joints must not be isolated



- immediately prior to installation, clean the contact surface of the rubber expansion joints and counter flange from the mechanical impurities, degrease them and remove the remaining paint if needed.



- for assembly do not use seals between the rubber expansion joints and the counter flange.Also, do not directly use the connection rubber/rubber that is, for example, throttle/rubber expansion joints.



DN	Second passage	Third passage
32- 80	50Nm	80Nm
100 -250	60Nm	100Nm
300- 500	60Nm	120Nm
600	100Nm	200Nm

- bolts which screw the compensator to the counter flange must be tightened alternately. The protruding rubber surface should be pressed evenly. Use a minimum of 3 passes, gradually increasing torque. The first step is to tighten the screws by hand and the other two passages should be performed using a torque wrench. This will prevent the destruction of the sealing surface. Tightening torques are given below.

Seal parts

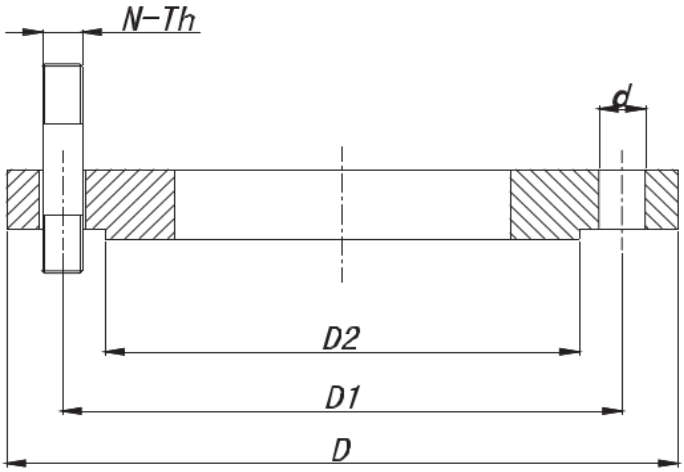
Parts	Characteristic	Low/High Temperature		Recommeded
NR	High elasticity	-20	85	-5~70
NBR	Oil resistivity	-30	100	-15~90
EPDM	Aging resistance, ozone resistance, corrosion resistance	-40	125	-25~110
HT EPDM	Same as above, added heat resistance	-40	150	-25~135
SBR (wear-resistant)	Excellent traction performance and wear resistance	-30	100	-15~80
CR (neoprene)	Oil, heat, flame, sunlight, ozone, acid and alkali resistance	-30	125	-15~100
Hypalon	Oxidation resistance, resistance to winding and cracking	-40	120	-25~110
FPM (viton)	Chemical and most oils resistance, (except ketones & esters)	-20	200	-5~150
MVQ (silicon)	High and low temperature resistance, oil, corrosion resistance	-55	200	-30~180
PU	Chemical, oil, wear, low temperature, aging resistance	-20	120	-5~90
FEP (F46)	Chemical resistance, radiation resistance	-20	150	-5~120
PTFE	Heat, cold, acid, alkali, organic solvents resistant	-60	180	-45~150
RPTFE	Corrosion resistance, low friction coefficient	-60	180	-45~150
PFA	Excellent chemical corrosion resistance, low friction coefficient	-196	200	-60~180
PPL	High temperature and chemical corrosion resistance	-60	230	-45~200
UPVC	Corrosion and pressure resistance, hygiene	-30	100	-15~80
CPVC	Corrosion and pressure resistance, hygiene	-30	110	-15~95
PVDF	Anti aging and chemical resistance	-30	100	-15~70
PEEK	High temperature and chemical resistance	-60	300	-45~260
Flexible graphite	Cold and hot resistant, corrosion resistant, self-lubricating	-200	600	-60~550
Ceramic fiber	Fire, high temperature resistance, low thermal conductivity	-200	1050	-60~950
Metal to metal	High temperature, high pressure, wear, corrosion resistance	Refer to the material		

Unit: Degree

Inspection Standards and Requirements

Inspection Standards and Requirements								
		ISO5208:2008 / GB/T13927			API598-2004			
Shell strength	Medium temperature	5~40			5~40			
	Medium	Water, kerosene, air, suitable gas			Water, kerosene, air, suitable gas			
	Test pressure	Norminal pressure (PN)×1.5			Norminal pressure×1.5			
	Minimum duration of the test	DN	Seconds		NPS	Check valve	Others	
		≤50	15		≤2"	60	15	
		65~200	60		2½"~6"	60	60	
		≥250	180		8"~12"	60	120	
					≥14"	120	300	
	Assessment	No visible leakage allowed			No visible leakage allowed			
Back seal		DN	PN	Pressure	NPS	Class	Pressure	
	Test pressure	≤80	All	0.6Mpa	All	≤300	0.4~0.7Mpa	
		100~200	≤5.0	0.6Mpa				
		100~200	>5.0	PN ×1.1		>300	Class x 1.1	
		≥250	All	PN ×1.1				
	Assessment	No visible leakage allowed			No visible leakage allowed			
High pressure sealing test	Test pressure	DN	PN	Pressure	Class	Ductile iron	Steel	
		≤80	All	PN ×1.1 (liquid)				
				0.5~0 .7Mpa (air)	150	1.7 Mpa		
		100~200	≤5.0	PN ×1.1 (liquid)				
				0.5~0 .7Mpa (air)			Class x 1.1	
		100~200	>5.0	PN ×1.1 (liquid)	300	4.4 Mpa		
		≥250	All	PN ×1.1 (liquid)				
	Minimum duration of the test	DN	Metal seal	Resilient seal	NPS	Check valve	Others	
		≤50	15	15	≤2"	60	15	
		65~200	30	15	2½"~6"	60	60	
		250~450	60	30	8"~12"	60	120	
		≥500	120	60	≥14"	120	120	
		Class (level)	Liquid leakage	Air leakage	NPS	Liquid & Air	Liquid & Air	
	Assessment	A	No visible leakage allowed (mm3/s)		≤2"	Liquid:3cm³/in. min Air:0.042m³/ in.h	0 drop(bubble)/ min	
		B	DN x 0.01	DN x 0.3	2½"~6"		12 & 24	
		C	DN x 0.03	DN x 3	8"~12"		20 & 40	
		D	DN x 0.1	DN x 30	≥14"		2 & 4 / in ·min	
Low pressure sealing test	Medium	Air, suitable gas			Air, suitable gas			
	Test pressure	0.5~0 .7 Mpa			0.4~0 .7 Mpa			
		DN	Metal seal	Resilient seal	NPS	Check valve	Others	
	Minimum duration of the test	≤50	15	15	≤2"	60	15	
		65~200	30	15	2½"~6"	60	60	
		250~450	60	30	8"~12"	60	120	
		≥500	120	60	≥14"	120	120	
	Assessment	Class (level)	Air leakage		NPS	Air leakage		
		A	No visible leakage allowed (mm3/s)		≤2"		0 bubble /min	
		B	DN x 0.3		2½"~6"	0.042 m3/in·h	24	
		C	DN x 3		8"~12"		40	
		D	DN x 30		≥14"		4 / in ·min	

Flange connection dimensions



D- Flange outer diameter
D1- Bolt circle diameter
D2- Diameter of sealing surface
N-Th Bolt size
d- Bolt hole diameter

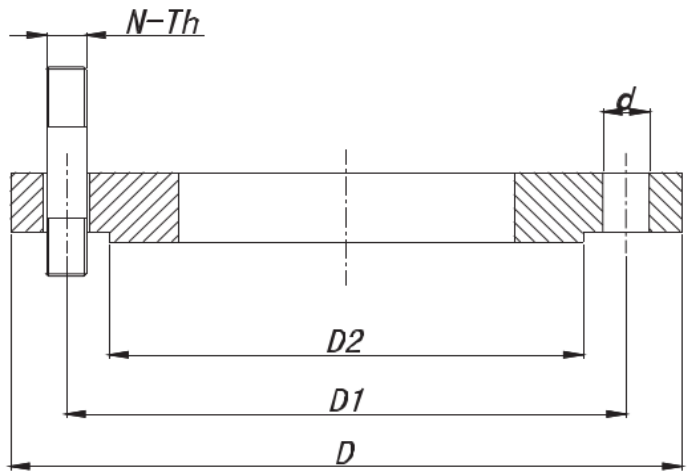
PN10（DIN2632）

DN	D	D1	D2	N-Th	d
DN	D	D1	D2	N-Th	d
50	165	125	102	4-M16	Φ18
65	185	145	122	4-M16	Φ18
80	200	160	138	8-M16	Φ18
100	220	180	158	8-M16	Φ18
125	250	210	188	8-M16	Φ18
150	285	240	212	8-M20	Φ23
200	340	295	268	12-M20	Φ23
250	405	355	320	12-M24	Φ27
300	460	410	378	12-M24	Φ27
350	520	470	438	16-M24	Φ27
400	580	525	490	16-M27	Φ30
450	640	585	550	20-M27	Φ30
500	715	650	610	20-M30	Φ33
600	840	770	725	20-M33	Φ36
700	910	840	795	24-M33	Φ36
800	1025	950	900	24-M36	Φ39
900	1125	1050	1000	28-M36	Φ39
1000	1255	1170	1115	28-M39	Φ42
1200	1485	1390	1330	32-M45	Φ48
1400	1685	1590	1530	36-M45	Φ48
1600	1930	1820	1750	40-M52	Φ56
1800	2130	2020	1950	44-M52	Φ56
2000	2345	2230	2150	48-M56	Φ62

PN16（DIN2632）

DN	D	D1	D2	N-Th	d
DN	D	D1	D2	N-Th	d
50	165	125	102	4-M16	Φ18
65	185	145	122	4-M16	Φ18
80	200	160	138	8-M16	Φ18
100	220	180	158	8-M16	Φ18
125	250	210	188	8-M16	Φ18
150	285	240	212	8-M20	Φ23
200	340	295	268	12-M20	Φ23
250	405	355	320	12-M24	Φ27
300	460	410	378	12-M24	Φ27
350	520	470	438	16-M24	Φ27
400	580	525	490	16-M27	Φ30
450	640	585	550	20-M27	Φ30
500	715	650	610	20-M30	Φ33
600	840	770	725	20-M33	Φ36
700	910	840	795	24-M33	Φ36
800	1025	950	900	24-M36	Φ39
900	1125	1050	1000	28-M36	Φ39
1000	1255	1170	1115	28-M39	Φ42
1200	1485	1390	1330	32-M45	Φ48
1400	1685	1590	1530	36-M45	Φ48
1600	1930	1820	1750	40-M52	Φ56
1800	2130	2020	1950	44-M52	Φ56
2000	2345	2230	2150	48-M56	Φ62

Flange connection dimensions



D- Flange outer diameter
D1- Bolt circle diameter
D2- Diameter of sealing surface
N-Th Bolt size
d- Bolt hole diameter

PN10（GB/T9113.1）

DN	D	D1	D2	N-Th	d
50	165	125	99	4-M16	Φ18
65	185	145	118	4-M16	Φ18
80	200	160	132	8-M16	Φ18
100	220	180	156	8-M16	Φ18
125	250	210	184	8-M16	Φ18
150	285	240	211	8-M20	Φ23
200	340	295	266	8-M20	Φ23
250	395	350	319	12-M20	Φ23
300	445	400	370	12-M20	Φ23
350	505	460	429	16-M20	Φ23
400	565	515	480	16-M24	Φ27
450	615	565	530	20-M24	Φ27
500	670	620	582	20-M24	Φ27
600	780	725	682	20-M27	Φ30
700	895	840	794	24-M27	Φ30
800	1015	950	901	24-M30	Φ33
900	1115	1050	1001	28-M30	Φ33
1000	1230	1160	1112	28-M33	Φ36
1200	1455	1380	1328	32-M36	Φ39

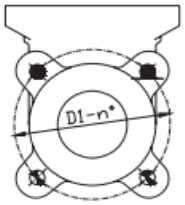
PN16（GB/T9113.1）

DN	D	D1	D2	N-Th	d
50	165	125	99	4-M16	Φ18
65	185	145	118	4-M16	Φ18
80	200	160	132	8-M16	Φ18
100	220	180	156	8-M16	Φ18
125	250	210	184	8-M16	Φ18
150	285	240	211	8-M20	Φ23
200	340	295	266	12-M20	Φ23
250	405	355	319	12-M24	Φ27
300	460	410	370	12-M24	Φ27
350	520	470	429	16-M24	Φ27
400	580	525	480	16-M27	Φ30
450	640	585	548	20-M27	Φ30
500	715	650	609	20-M30	Φ33
600	840	770	720	20-M33	Φ36
700	910	840	794	24-M33	Φ36
800	1025	950	901	24-M36	Φ39
900	1125	1050	1001	28-M36	Φ39
1000	1255	1170	1112	28-M39	Φ42
1200	1485	1390	1328	32-M45	Φ48

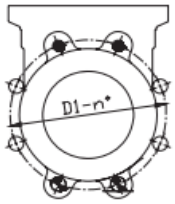
Flange and connection details

GB/T9113.1 PN10

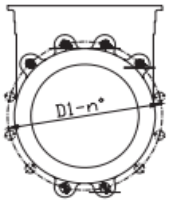
DN	D1	nº	M	T	● Φ	+
50	125	4	M-16	10	2--0	-2
65	145	4	M-16	10	2--0	-2
80	160	8	M-16	12	2--4	-2
100	180	8	M-16	12	2--4	-2
125	210	8	M-16	14	2--4	-2
150	240	8	M-20	14	2--4	-2
200	295	8	M-20	14	2--4	-2
250	350	12	M-20	18	4--6	-2
300	400	12	M-20	21	4--6	-2
350	460	16	M-20	21	6--8	-2
400	515	16	M-24	25	6--8	-2
450	565	20	M-24	25	8--10	-2
500	620	20	M-24	26	8--10	-2
600	725	20	M-27	26	8--10	-2
700	840	24	M-27	22	10--12	-2
800	950	24	M-30	22	10--12	-2
900	1050	28	M-30	22	12--12	-4
1000	1160	28	M-33	22	12--12	-4
1200	1380	32	M-36	33	14--14	-4



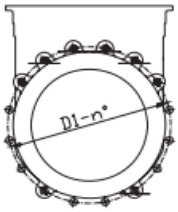
DN50-65



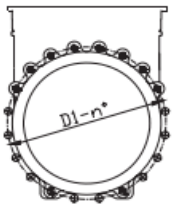
DN80-200



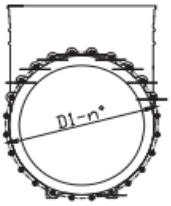
DN250-300



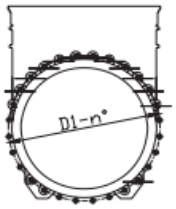
DN350-400



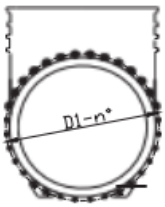
DN450-600



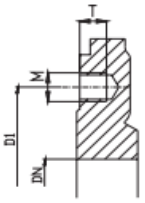
DN700-800



DN900-1000



DN1200

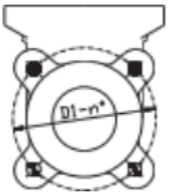


Blind hole tapping

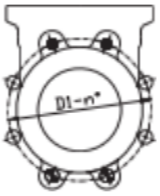
● Blind hole thread
Φ Through hole
● Drilling through

GB/T9113.1 PN16

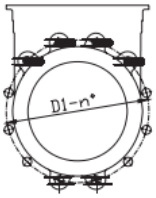
DN	D1	nº	M	T	● Φ	+
50	125	4	M-16	10	2--0	-2
65	145	4	M-16	10	2--0	-2
80	160	8	M-16	12	2--4	-2
100	180	8	M-16	12	2--4	-2
125	210	8	M-16	14	2--4	-2
150	240	8	M-20	14	2--4	-2
200	295	12	M-20	14	2--4	-2
250	355	12	M-24	18	4--6	-2
300	410	12	M-24	21	4--6	-2
350	470	16	M-24	21	6--8	-2
400	525	16	M-27	25	6--8	-2
450	585	20	M-27	25	8--10	-2
500	640	20	M-30	26	8--10	-2
600	725	20	M-33	26	8--10	-2
700	840	24	M-33	22	10--12	-2
800	950	24	M-36	22	10--12	-2
900	1050	28	M-36	22	12--12	-4
1000	1170	28	M-39	22	12--12	-4
1200	1390	32	M-45	33	14--14	-4



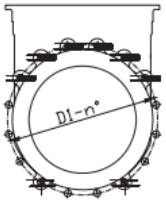
DN50-65



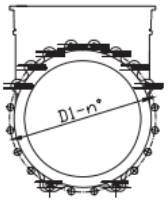
DN80-150



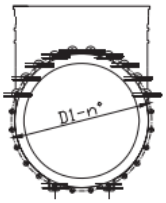
DN200-300



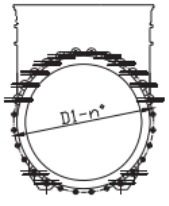
DN350-400



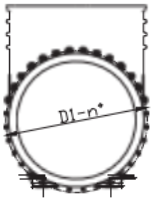
DN450-600



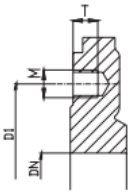
DN700-800



DN900-1000

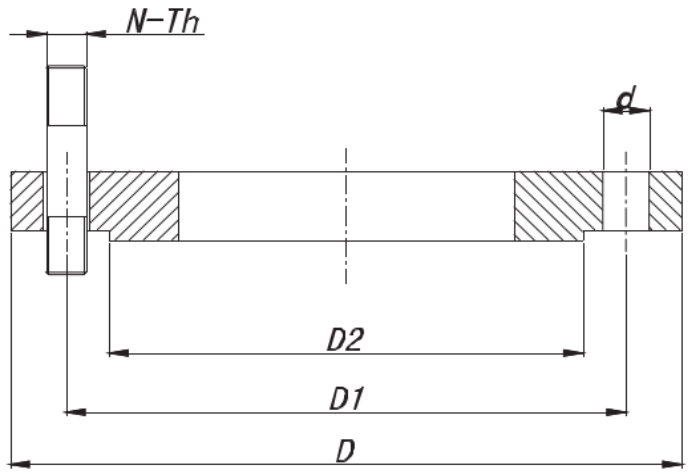


DN1200



Blind hole tapping

Flange connection dimensions



D- Flange outer diameter
D1- Bolt circle diameter
D2- Diameter of sealing surface
N-Th Bolt size
d- Bolt hole diameter

10K（JIS B2239-2004）

DN	D	D1	D2	N-Th	d
50	155	120	96	4-M16	Φ19
65	175	140	116	4-M16	Φ19
80	185	150	126	8-M16	Φ19
100	210	175	151	8-M16	Φ19
125	250	210	182	8-M20	Φ23
150	280	240	212	8-M20	Φ23
200	330	290	262	12-M20	Φ23
250	400	355	324	12-M22	Φ25
300	445	400	368	16-M22	Φ25
350	490	445	413	16-M22	Φ25
400	560	510	475	16-M24	Φ27
450	620	565	530	20-M24	Φ27
500	675	620	585	20-M24	Φ27
550	745	680	640	20-M30	Φ33
600	795	730	690	24-M30	Φ33
650	845	780	740	24-M30	Φ33
700	905	840	800	24-M30	Φ33
750	970	900	855	24-M30	Φ33
800	1020	950	905	28-M30	Φ33
850	1070	1000	955	28-M30	Φ33
900	1120	1050	1005	28-M30	Φ33
1000	1235	1160	1110	28-M36	Φ39
1100	1345	1270	1220	28-M36	Φ39
1200	1465	1380	1325	32-M36	Φ39
1350	1630	1540	1480	36-M42	Φ45
1500	1795	1700	1635	40-M42	Φ45

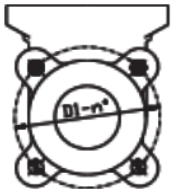
150Lb（ANSI B16.5 & ASME B16.47

DN	D	D1	D2	N-Th	d
2D	153	120.5	92	4-5/8DUNC	Φ19
2.5D	178	139.5	105	4-5/8DUNC	Φ19
3D	191	152.5	127	4-5/8DUNC	Φ19
4D	229	190.5	157	8-5/8DUNC	Φ19
5D	254	216	186	8-3/4DUNC	Φ22
6D	280	241.5	216	8-3/4DUNC	Φ22
8D	343	298.5	270	8-3/4DUNC	Φ22
10D	407	362	324	12-7/8DUNC	Φ25
12D	483	432	381	12-7/8DUNC	Φ25
14D	534	476	413	12-1DUNC	Φ29
16D	597	539.5	470	16-1DUNC	Φ29
18D	635	578	534	16-1 1/8DUNC	Φ32
20D	699	635	584	20-1 1/8DUNC	Φ32
24D	813	749.5	692	20-1 1/4DUNC	Φ35
26D	870	806.5	749	24-1 1/4DUNC	Φ35
28D	925	863.5	800	28-1 1/4DUNC	Φ35
30D	985	914.5	857	28-1 1/4DUNC	Φ35
32D	1060	978	914	28-1 1/2DUNC	Φ41
36D	1170	1086	1022	32-1 1/2DUNC	Φ41
40D	1290	1200	1124	36-1 1/2DUNC	Φ41
42D	1345	1257	1194	36-1 1/2DUNC	Φ41
44D	1405	1314	1245	40-1 1/2DUNC	Φ41
48D	1510	1422	1359	44-1 1/2DUNC	Φ41
52D	1625	1537	1461	44-1 3/4DUNC	Φ47
56D	1745	1651	1575	48-1 3/4DUNC	Φ47
60D	1855	1759	1676	52-1 3/4DUNC	Φ47

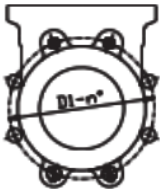
Flange and connection details

JIS B2239-2004 10K

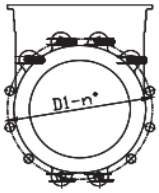
DN	D1	nº	M	T	● ⌀	+
50	120	4	M-16	10	2--0	-2
65	140	4	M-16	10	2--0	-2
80	150	8	M-16	12	2--4	-2
100	175	8	M-16	12	2--4	-2
125	210	8	M-20	14	2--4	-2
150	240	8	M-20	14	2--4	-2
200	290	12	M-20	14	2--4	-2
250	355	12	M-22	18	4--6	-2
300	400	16	M-22	21	4--6	-2
350	445	16	M-22	21	6--8	-2
400	510	16	M-24	25	6--8	-2
450	565	20	M-24	25	8--10	-2
500	620	20	M-24	26	8--10	-2
600	730	24	M-30	26	8--10	-2
700	840	24	M-30	22	10--12	-2
800	950	28	M-30	22	10--12	-2
900	1050	28	M-30	22	12--12	-4
1000	1160	28	M-30	22	12--12	-4
1200	1380	32	M-36	33	14--14	-4



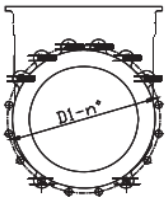
DN50-65



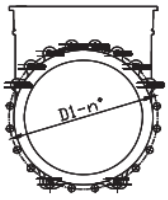
DN80-150



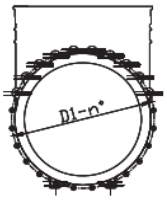
DN200-250



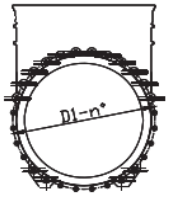
DN300-400



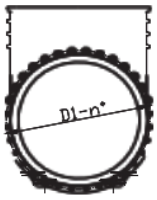
DN450-500



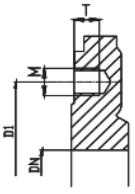
DN600-700



DN800-1000



DN1200

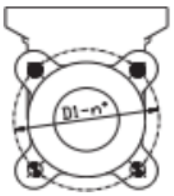


Blind hole tapping

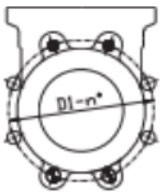
● Blind hole thread
⌀ Through hole
● Drilling through

ANSI B16.5 & ASME B16.47 150Lb

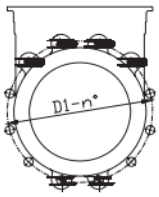
DN	D1	nº	M	T	● ⌀	+
2"	120.5	4	5/8" UNC	10	2--0	-2
2 1/2"	139.5	4	5/8" UNC	10	2--0	-2
3"	152.5	4	5/8" UNC	12	2--4	-2
4"	190.5	8	5/8" UNC	12	2--4	-2
5"	216	8	3/4" UNC	14	2--4	-2
6"	241.5	8	3/4" UNC	14	2--4	-2
8"	298.5	8	3/4" UNC	14	2--4	-2
10"	362	12	7/8" UNC	18	4--6	-2
12"	432	12	7/8" UNC	21	4--6	-2
14"	476	12	1" UNC	21	6--8	-2
16"	540	16	1" UNC	25	6--8	-2
18"	578	16	1 1/8" UNC	25	8--10	-2
20"	635	20	1 1/8" UNC	26	8--10	-2
24"	749.5	20	1 1/4" UNC	26	8--10	-2
28"	863.5	28	1 1/4" UNC	26	10--12	-2
30"	914	28	1 1/4" UNC	22	10--12	-2
32"	978	28	1 1/2" UNC	22	12--12	-4
36"	1085.8	32	1 1/2" UNC	22	12--12	-4
40"	1200.2	36	1 1/2" UNC	30	14--14	-4



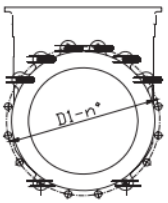
2"-3"



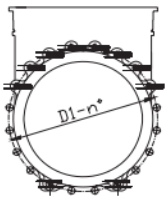
4"-8"



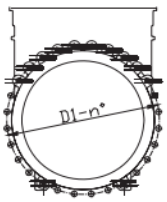
10"-14"



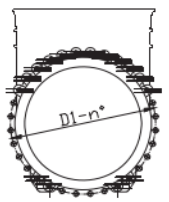
16"-18"



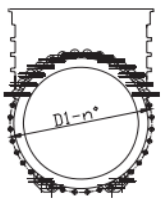
20"-24"



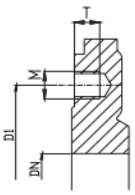
28"-32"



36"



40"



Blind hole tapping

YIFA VALVE

ADDRESS

No.2 Road, Jinnan District
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