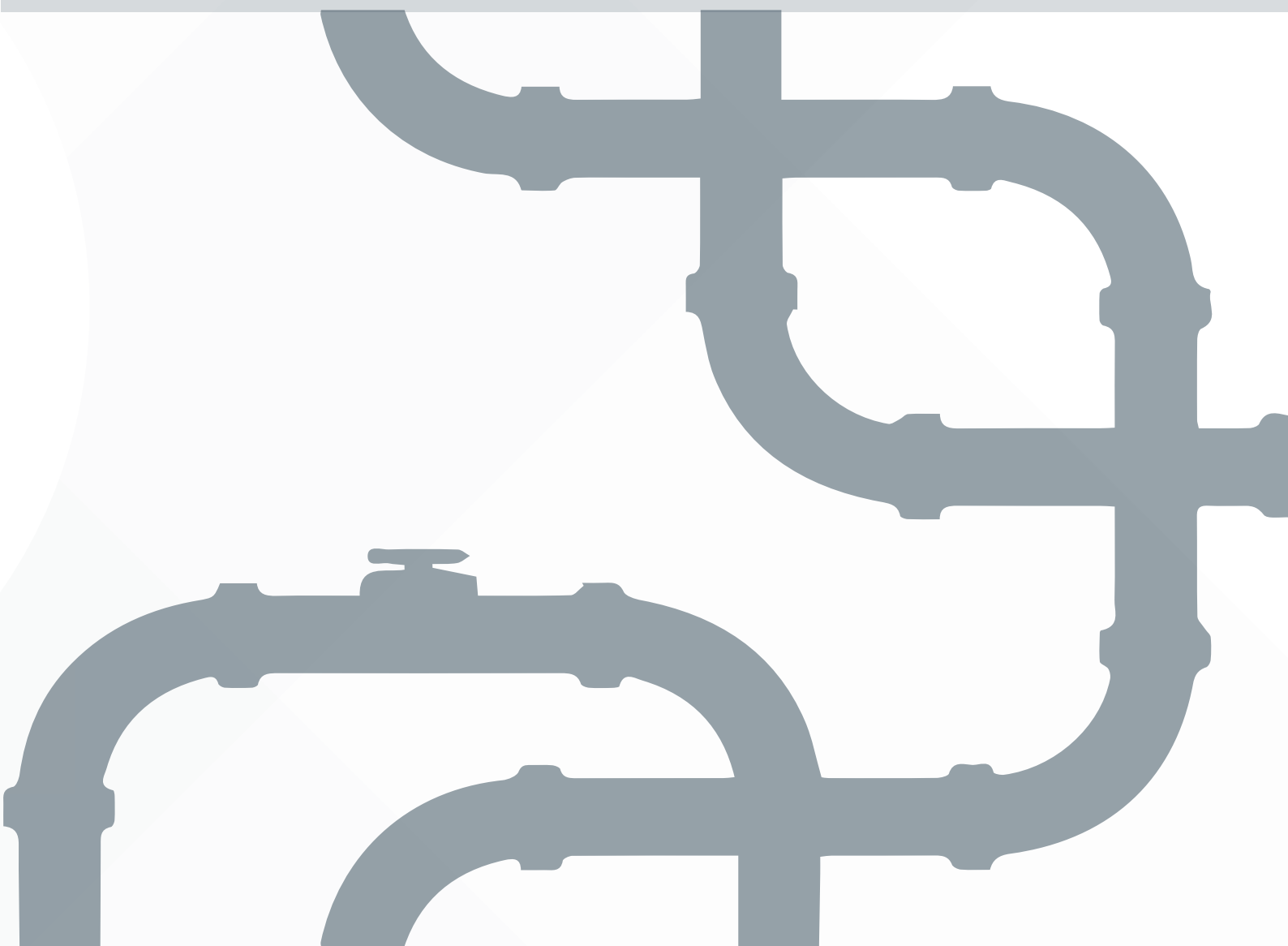


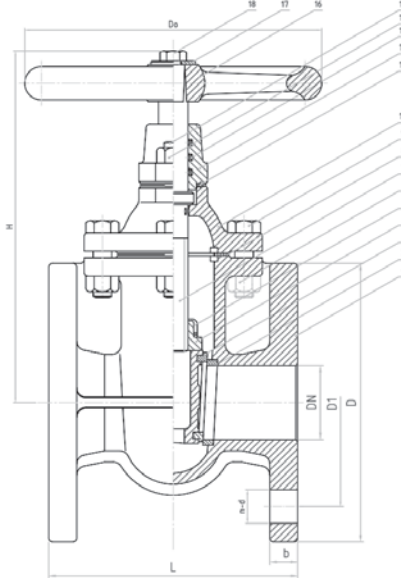
3Y



**PRIMA
STEEL**

COLLECTION

GATE VALVE 3Y CAST IRON JIS 10K

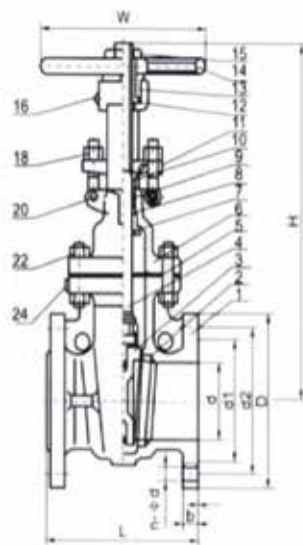


Type	
Normal Pressure	16 bar
Shell Pressure	24 bar
Seal Test Pressure	17.6 bar
Suitable Medium	Water

DN	L	H	D	Do	D1	b	n-d	Stem	Tr
50	144	186	165	160	120	16	4-19	16	Tr16x4
65	164	238	185	160	140	16	4-19	18	Tr18x4
80	174	258	200	160	150	17	8-19	18	Tr18x4
100	184	300	220	200	175	17	8-19	20	Tr20x4
125	194	320	250	250	210	19	8-23	22	Tr22x5
150	204	385	285	250	240	19	8-23	22	Tr22x5
200	224	438	340	250	290	21	12-23	24	Tr24x5
250	244	530	395	320	355	25	12-25	26	Tr26x5
300	262	569	445	320	400	26	15-25	28	Tr28x5

NO.	PART	MATERIAL	
1	Body	Ductile iron	GG25
2	Seat Rings	Brass	
3	Wedge Face Rings	Brass	
4	Wedge Nut	Cast Brass	ZCuZn40Pb2
5	Wedge	Ductile iron	GG25
6	Nuts	Steel	RST37-2
7	Steam	Stainless steel	2Cr13
8	Gasket	Graphite	
9	Bolts	Steel	RST42-2
10	Bonnet	Ductile iron	GG25
11	Gasket	Graphite	
12	Stuffing Box	Ductile iron	GGG40
13	"O"Type Seal	NBR	
14	Nuts	Steel	RST37-2
15	Bolts	Steel	RST42-2
16	Handwheel	Ductile iron	GG25
17	Shim	Steel	RST37-2
18	Bolts	Steel	RST42-2

GATE VALVE 3Y WCB ANSI 150

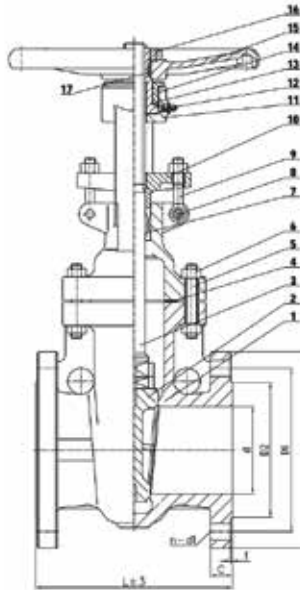


NSPSd	L(RF)	L1 (BW)	L2 (RTJ)	d1	d2	D	b	n-d	H(open)	W
51	178	216	191	92	120	152	16	4-19	386	200
64	190	241	203	105	139	178	17	4-19	435	200
76	203	283	216	127	152	190	19	4-19	483	250
102	229	305	241	157	190	229	24	8-19	587	250
127	254	381	267	186	216	254	25	8-22	673	300
152	267	403	279	216	241	278	26	8-22	767	300
203	292	419	305	270	298	343	29	8-22	955	350
254	330	457	343	324	362	406	31	12-25	1146	450
305	356	502	368	381	432	483	32	12-25	1328	500

NO.	PART Name	MATERIAL
1	Body	WCB
2	Seat	AlO5+HF
3	Wedge	WCB+F6
4	Stem	Al82+F6
5	Gasket	O8 Flexible Graphite
6	Bonnet	WCB
7	Back seat	A276 40I
8	Packing	
9	Packing	Stainless Steel Wire With
10	Gland	A276 40I
11	Gland flange	WCB
12	Stem nut	D-2
13	Gland nut	10.35
14	Handwheel	60-40-18
15	Lock nut	A29 1035
16	Oil filler	A 507 Gr.A
17	Eye Bolt	Al93 B7
18	Eye Nut	Al94 2H
19	Pin	A29 1035
20	Split Pin	A570 Gr.A
21	Stud	Al93 B7
22	Nut	Al94 2H
23	Rivet	304
24	Name Plate	304

MEDIUM: Water, Gas, Oil, and Steam

GATE VALVE 3Y SCS 13 JIS 10K

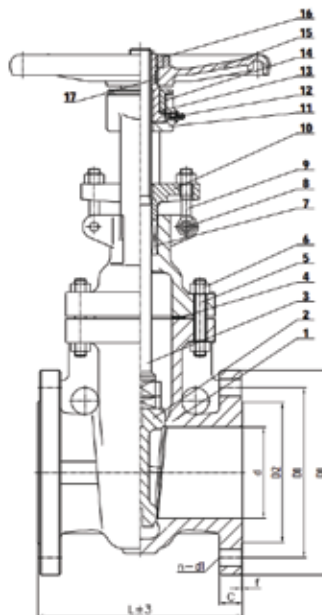
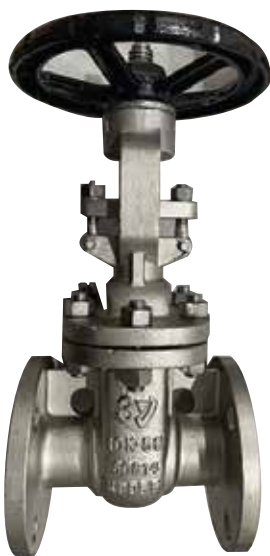


Performance Specification		
Nominal Pressure		JIS 10 K
Test Pressure	Shell test	2.1
	Back seal test	1.6
	Seal test	1.6
	Gas test	0.6
Working Temperature		-29~400 °C
Medium: Water oil & Gas		

DN	L	d	D	D1	D2	C	f	n-ød1
25	127	25	125	90	65	14	1	4-ø19
40	165	40	140	105	80	16	2	4-ø19
50	178	50	155	120	95	16	2	4-ø19
65	190	65	175	140	115	18	2	4-ø19
80	208	76	185	150	125	18	2	8-ø19
100	229	100	210	175	150	18	2	8-ø19
125	254	125	250	210	180	19	2	8-ø23
150	267	150	280	240	210	21	2	8-ø23
200	292	200	330	250	260	21	2	12-ø23
250	330	250	400	355	320	23	2	12-ø25

NO.	PART Name	MATERIAL
1	Body	CF8
2	Wedge	CF8
3	Stem	304
4	Gasket	304+Graphite
5	Bolt	304
6	Nut	304
7	Packing	Graphite
8	Pin	201
9	Eye Bolt	201
10	GI and FI ange	CF8
11	Bonnet	CF8
12	Nipple	Assembly
13	Stem Nut	CI+Cu
14	Nut	AISI 1035
15	Handwheel	C.S
16	Lock nut	C.S
17	Key	C.S

GATE VALVE 3Y SCS 14 JIS 10K

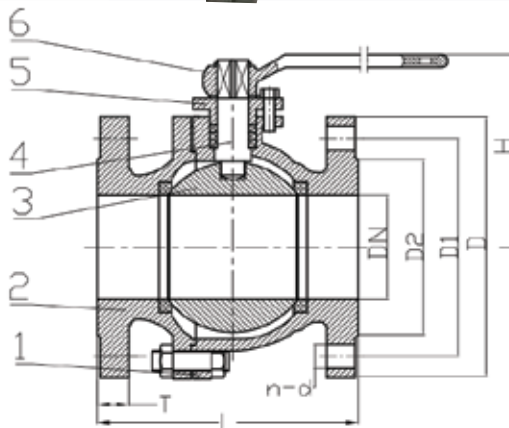


Performance Specification		
Nominal Pressure		JIS 10 K
Test Pressure	Shell test	2.1
	Back seal test	1.6
	Seal test	1.6
	Gas test	0.6
Working Temperature		-29~400 °C
Medium: Water oil & Gas		

DN	L	d	D	D1	D2	C	f	n-ød1
25	127	25	125	90	65	14	1	4-ø19
40	165	40	140	105	80	16	2	4-ø19
50	178	50	155	120	95	16	2	4-ø19
65	190	65	175	140	115	18	2	4-ø19
80	208	76	185	150	125	18	2	8-ø19
100	229	100	210	175	150	18	2	8-ø19
125	254	125	250	210	180	19	2	8-ø23
150	267	150	280	240	210	21	2	8-ø23
200	292	200	330	250	260	21	2	12-ø23
250	330	250	400	355	320	23	2	12-ø25

NO.	PART	MATERIAL
1	BODY	CF8M
2	WEDGE	CF8M
3	STEM	316
4	GASKET	304+GRAPHITE
5	BOLT	304
6	NUT	304
7	PACKING	GRAPHITE
8	PIN	304
9	EYE BOLT	304
10	GLAND FLANGE	CF8
11	BONNET	CF8M
12	NIPPLE	ASSEMBLY
13	STEM NUT	CI+CU
14	NUT	AISI 1035
15	HANDWHEEL	C.S
16	LOCK NUT	C.S
17	KEY	C.S

BALL VALVE 3Y CAST IRON JIS 10K

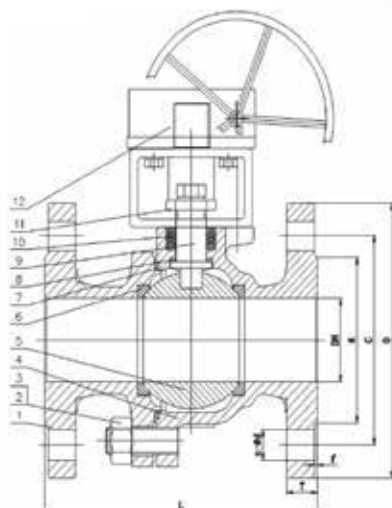


NOMINAL PRESSURE	10K
SEAL TEST PRESSURE	17.6kgf/cm ²
SHELL TEST PRESSURE	24kgf/cm ²
SUTABLE MEDIUM	WATER, OIL, STEAM
SUITABLE TEMPERATURE	≤120°C

DN	L	T	D	D1	D2	W	n-ød1
15	108	15	95	70	52	120	4-15
20	117	15	100	75	65	140	4-15
25	127	15	125	90	68	150	4-19
32	140	16	135	100	75	195	4-19
40	165	16	140	105	85	205	4-19
50	178	18	155	120	95	245	4-19
65	190	20	175	140	118	285	4-19
80	203	22	185	150	127	300	8-19
100	229	23	210	175	152	320	8-19
125	356	24	250	210	182	520	8-23
150	394	25	280	240	212	580	8-23
200	457	28	330	290	262	650	12-23
250	533	30	400	355	322	WORM	12-25
300	610	30	445	400	368	WORM	12-25

NO.	PART	MATERIAL
1	BODY	DUCTILE IRON (FCD450)
2	BONNET	DUCTILE IRON (FCD450)
3	BALL	STAINLESS STEEL 304
4	STEM	STAINLESS STEEL 304
5	PACKING	PTFE
6	HAND LEVER	DUCTILE IRON (FCD450)

BALL VALVE 3Y WCB ANSI 150

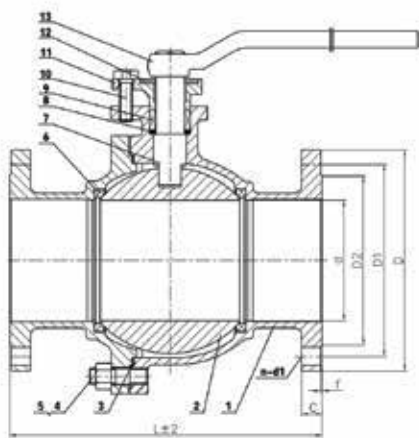


PRESSURE TEST (MPa)	
SHELL TEST	3Mpa
SEAT TEST	2.2Mpa
AIR TEST	0.6mPA
APPLICABLE TEMPERATURE	-29~120 °C

NPS	DN	L	O	C	g	b	f	n-ød1	H	L0
2	50	178	150	120	92	14	2	4-19	104	350
21	65	191	180	139	104	15	2	4-19	153	400
3	80	203	190	152	127	17	2	4-19	187	400
4	100	229	230	190	157	22	2	8-19	206	500
5	125	356	255	215	186	22	2	8-22	252	500
6	150	394	280	241	215	23	2	8-22	244	600
8	200	457	345	298	209	27	2	8-22	283	600

NO.	PART Name	MATERIAL
1	CAP	ASTM A216 WCB
2	BLOT	45
3	NUT	2H
4	BODY	ASTM A216 WCB
5	BALL	Stainless Steel 304
6	SEAT	PTFE
7	GASKET	PTFE
8	GASKET	PTFE
9	STEM	Stainless Steel 304
10	PACKING	PTFE
11	GLAND FLANGE	ASTM A216 WCB
12	WORM GEAR	COMPONENT

BALL VALVE 3Y SCS 13 JIS 10K

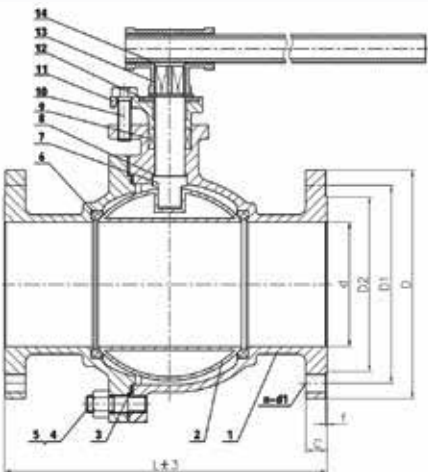


Performance Specification			
Nominal Pressure		JIS 10 K	
Test pressure	Shell test	2.1	MPa
	Back seal test	1.6	
	Gas test	0.6	
Working Temperature		-29~150 °C	
Medium: Water oil & Gas			

DN	L	d	D	D1	D2	C	f	n-ød1
40	165	39	140	105	80	16	2	4-ø19
50	178	49	155	120	95	16	2	4-ø19
65	190	64	175	140	115	18	2	4-ø19
80	203	79	185	150	125	18	2	8-ø19
100	229	99	210	175	150	18	2	8-ø19

NO.	PART Name	MATERIAL
1	Body	CF8
2	Ball	304
3	Gasket	PTFE
4	Bolt	304
5	Nut	304
6	Seat	PTFE
7	Stem	304
8	Gasket	304
9	Packing	PTFE
10	Bolt	304
11	Gland	304
12	Stop Plate	201
13	Handle	201

BALL VALVE 3Y SCS 14 JIS 10K

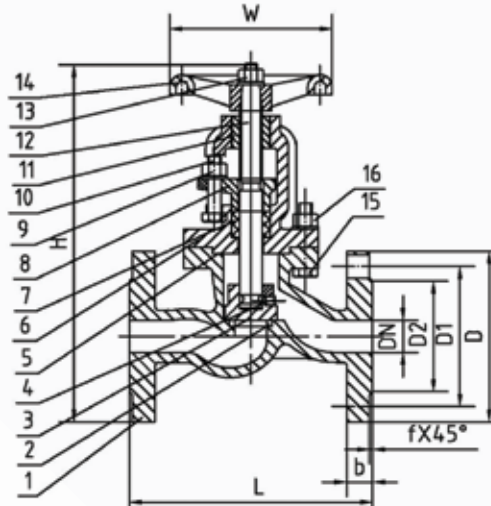


Performance Specification			
Nominal Pressure		JIS 10 K	
Test Pressure	Shell test	2.1	MPa
	Back seal test	1.6	
	Gas test	0.6	
Working Temperature		-29~150 °C	
Medium: Water oil & Gas			

DN	L	d	D	D1	D2	C	f	n-ød1
40	165	39	140	105	80	16	2	4-ø19
50	178	49	155	120	95	16	2	4-ø19
65	190	64	175	140	115	18	2	4-ø19
80	203	79	185	150	125	18	2	8-ø19
100	229	99	210	175	150	18	2	8-ø19
125	356	125	250	210	180	19	2	8-ø23
150	394	150	280	240	210	21	2	8-ø23

NO.	PART Name	MATERIAL
1	Body	CF8M
2	Ball	316
3	Gasket	PTFE
4	Bolt	304
5	Nut	304
6	Seat	PTFE
7	Stem	316
8	Gasket	PTFE
9	Packing	PTFE
10	Bolt	304
11	Gland	304
12	Stop Plate	201
13	Sleeve	C.S.+Zn
14	Tube	C.S

GLOBE VALVE 3Y PN16

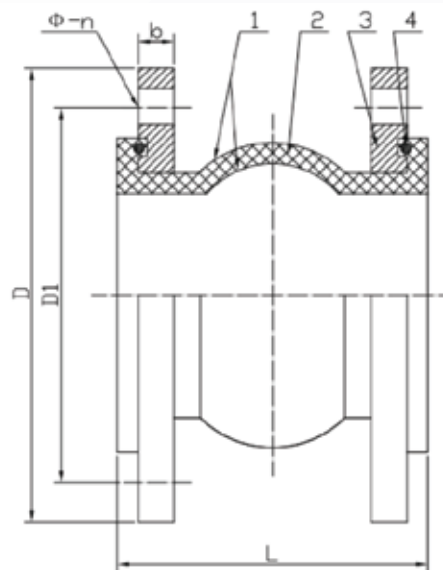


Type	
Normal Pressure	16 bar
Shell Pressure	24 bar
Seal Test Pressure	17.6 bar
Suitable Medium	Water

NO.	PART Name	MATERIAL
1	Body	Cast Iron
2	Seat Ring	S304
3	Disc Seal Ring	S304
4	Disc	Cast Iron
5	Bonnet Gasket	Graphite
6	Bonnet	Cast Iron
7	Packing	Graphite
8	Gland Follower	Cast Iron
9	Nut	Steel
10	Bolt	Steel
11	Stem Nut	Cast Brass
12	Stem	Stainless Steel
13	Nut	Steel
14	Washer	Cast Iron
15	Bolt	Steel
16	Nut	Steel

DN	L	H	D	D1	D2	W	n-ød	f
15	130	182	95	65	45	65	4-14	2
20	150	185	105	75	58	65	4-14	2
25	160	201	115	85	68	80	4-14	2
32	180	253	140	100	78	120	4-18	2
40	200	254	150	110	88	120	4-18	3
50	230	277	165	125	102	180	4-18	3
65	290	312	185	145	122	200	4-18	3
80	310	342	200	160	138	250	8-18	3
100	350	378	220	180	158	250	8-18	3
125	400	447	250	210	188	300	8-18	3
150	480	503	285	240	212	360	8-23	3
200	600	591	340	295	268	400	12-23	3
250	730	680	405	355	320	450	12-27	3
300	850	750	460	410	378	500	12-27	4

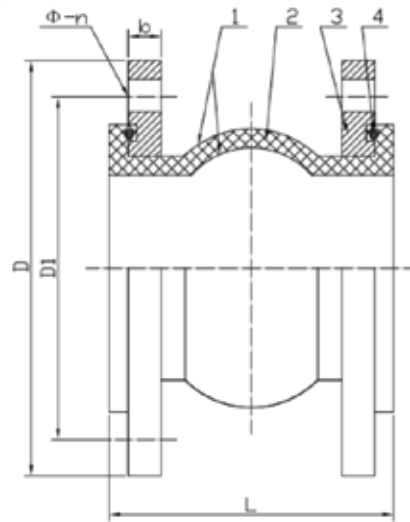
FLEXIBLE RUBBER JOINT 3Y JIS 10K (SINGLE)



DN	L	D	D1	b	n-ø
25	95	125	90	13	19-4
32	100	135	100	14	19-4
40	100	140	105	14	19-4
50	125	155	120	14	19-4
65	125	175	140	16	19-4
80	125	185	150	16	19-8
100	150	210	175	16	19-8
125	150	250	210	18	23-8
150	175	280	240	20	23-8
200	175	330	290	20	23-12
250	200	400	335	22	25-12
300	255	445	400	21	25-16
350	255	490	445	23	25-16
400	255	560	510	25	27-16
450	255	620	565	27	27-20
500	255	675	620	27	27-20
600	260	795	730	29	33-24

NO.	PART	MATERIAL
1	RUBBER	EPDM
2	KEY FRAME	CORD FABRIC
3	FLANGE	CARBON STEEL
4	PRESSURIZED RING	STEEL WIRE STRAND

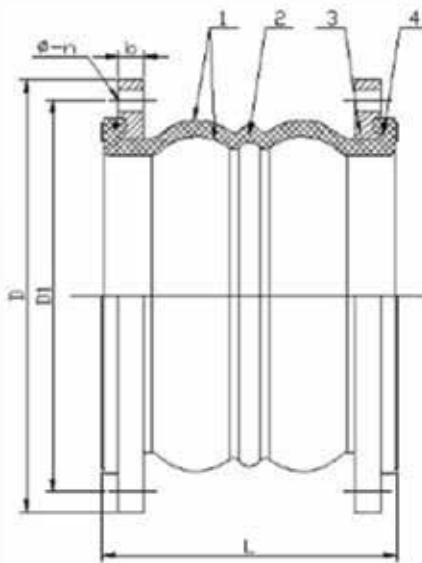
FLEXIBLE RUBBER JOINT 3Y PN16 (SINGLE)



DN	L	D	D1	b	n-ø
25	95	125	90	13	19-4
32	100	135	100	14	19-4
40	100	140	105	14	19-4
50	125	155	120	14	19-4
65	125	175	140	16	19-4
80	125	185	150	16	19-8
100	150	210	175	16	19-8
125	150	250	210	18	23-8
150	175	280	240	20	23-8
200	175	330	290	20	23-12
250	200	400	335	22	25-12
300	255	445	400	21	25-16
350	255	490	445	23	25-16
400	255	560	510	25	27-16
450	255	620	565	27	27-20
500	255	675	620	27	27-20
600	260	795	730	29	33-24

NO.	PART	MATERIAL
1	RUBBER	EPDM
2	KEY FRAME	CORD FABRIC
3	FLANGE	Q325
4	PRESSURIZED RING	STEEL WIRE STRAND

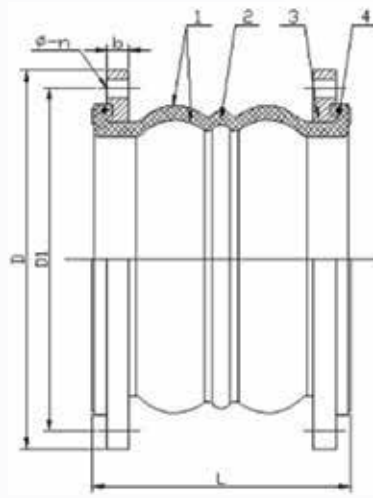
FLEXIBLE RUBBER JOINT 3Y JIS 10K (DOUBLE)



DN	L	D	D1	b	n-ø
25	150	125	90	13	19-4
32	175	135	100	14	19-4
40	175	140	105	14	19-4
50	175	155	120	14	19-4
65	175	175	140	16	19-4
80	175	185	150	16	19-8
100	225	210	175	16	19-8
125	225	250	210	18	23-8
150	225	280	240	20	23-8
200	325	330	290	20	23-12
250	325	400	335	22	25-12
300	325	445	400	21	25-16
350	250	490	445	23	25-16
400	250	560	510	25	27-16
450	400	620	565	27	27-20
500	400	675	620	27	27-20
600	400	795	730	29	33-24

NO.	PART	MATERIAL
1	RUBBER	EPDM
2	KEY FRAME	CORD FABRIC
3	FLANGE	CARBON STEEL
4	PRESSURIZED RING	STEEL WIRE STRAND

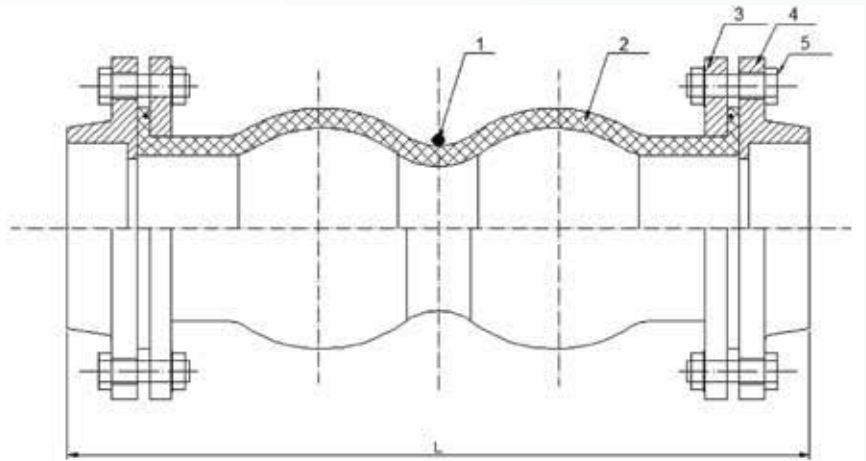
FLEXIBLE RUBBER JOINT 3Y PN16 (DOUBLE)



DN	L	D	D1	b	n-ø
25	150	125	90	13	19-4
32	175	135	100	14	19-4
40	175	140	105	14	19-4
50	175	155	120	14	19-4
65	175	175	140	16	19-4
80	175	185	150	16	19-8
100	225	210	175	16	19-8
125	225	250	210	18	23-8
150	225	280	240	20	23-8
200	325	330	290	20	23-12
250	325	400	335	22	25-12
300	325	445	400	21	25-16
350	250	490	445	23	25-16
400	250	560	510	25	27-16
450	400	620	565	27	27-20
500	400	675	620	27	27-20
600	400	795	730	29	33-24

NO.	PART	MATERIAL
1	RUBBER	EPDM
2	KEY FRAME	CORD FABRIC
3	FLANGE	Q235
4	PRESSURIZED RING	STEEL WIRE STRAND

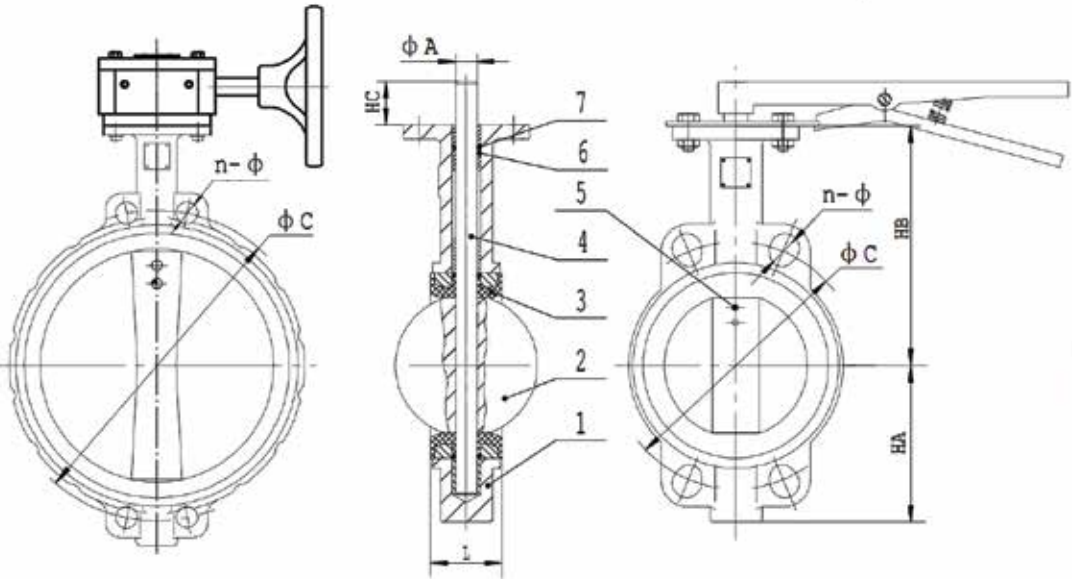
FLEXIBLE RUBBER JOINT 3Y 10K SCREWED (DOUBLE)



NO.	PART	MATERIAL
1	REINFORCING RING	CARBON STEEL
2	BODY	EPDM
3	PLATEN	MALLEABLE IRON
4	THREAD BASE	MALLEABLE IRON
5	BOLT	CARBON STEEL

SIZE	LENGTH	AXIAL DISPLACEMENT		HORIZONTAL DISPLACEMENT	DEFLEXION ANGLE
		EXTENSION	COMPRESSION		
DN15	120	10	15	15	15°
DN20	120	10	15	15	15°
DN25	120	10	15	15	15°
DN32	175	10	20	20	20°
DN40	175	10	20	20	20°
DN50	175	10	20	20	20°

BUTTERFLY VALVE 3Y PN16



NO.	PART	MATERIAL
1	BODY	CI
2	DISC	SS304
3	SEAT	EPDM
4	STEM	416
5	TAPER PIN	SS316
6	BUSHING	PTFE
7	O-RING	EPDM

TEST PRESSURE		
HYDROSTATIC	MPa	
Shell test	2.1	
Seal test	1.6	
STANDARD		
DESIGN CODE	609	API
INPECTION	598	
STANDARD		
FACE TO FACE	609	



						ANSI B16.1		DIN PN10		DIN PN16		JIS 5K		JIS 10K	
SIZE	HA	HB	HC	L	ØA	ØC	n-Ø	ØC	n-Ø	ØC	n-Ø	ØC	n-Ø	ØC	n-Ø
40	68	115	30	35	12	98	4-16	110	4-18	110	4-18	95	4-15	105	4-19
50	76	145	30	45	12	120	4-19	125		125		105		120	
65	85	160	30	48	12	139		145		145		130		140	
80	95	170	30	49	12	152		160		160		145		4-19	
100	114	190	30	55	15	190	8-19	180	8-18	180	8-18	165	8-19	175	8-23
125	127	205	30	58	19	216	8-22	210	8-23	210	8-23	200		210	
150	140	216	30	59	19	241		240		240		230		240	
200	175	260	36	64	22	298		295		295		12-23	280	8-23	290
250	203	278	36	70	28	362	12-25	350	12-23	355	12-27	345	12-23	355	12-25
300	238	325	36	80	31	432	12-29	400	16-23	410	16-27	390	12-25	400	16-25
350	262	355	36	80	31	476		460		470		435		445	
400	310	360	45	90	33	539		515		525		495		510	16-27

Description:

1. Wafer type butterfly valve with long neck and 4 centering holes
2. Face to Face length acc. EN558-BS5155-ISO5752-API609
3. With top flange acc. ISO5211
4. Mounting between flanges acc DIN PN6/10/16 and ANSI150
5. Exchangeable seat vulcanized on hard center with lay-in O-rings
6. Epoxy coating thickness min. 200 micron
7. Application: warm and cold water, clean, waste and salt water, oil, granulates, compressed air, natural gas, etc

Temperature Range:

EPDM: -20 OC to +120 OC
 BUNA: -10 OC to +90 OC
 FPM/FKM: -10 OC to +170 OC

Max. Working Pressure

Max Working Pressure: 16.0bar
 Hydraulic Body test : 24.0bar
 Hydraulic Seat Test: 17.8bar
 AISI 316 Stem Execution: 10.0bar



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Prima Steel



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