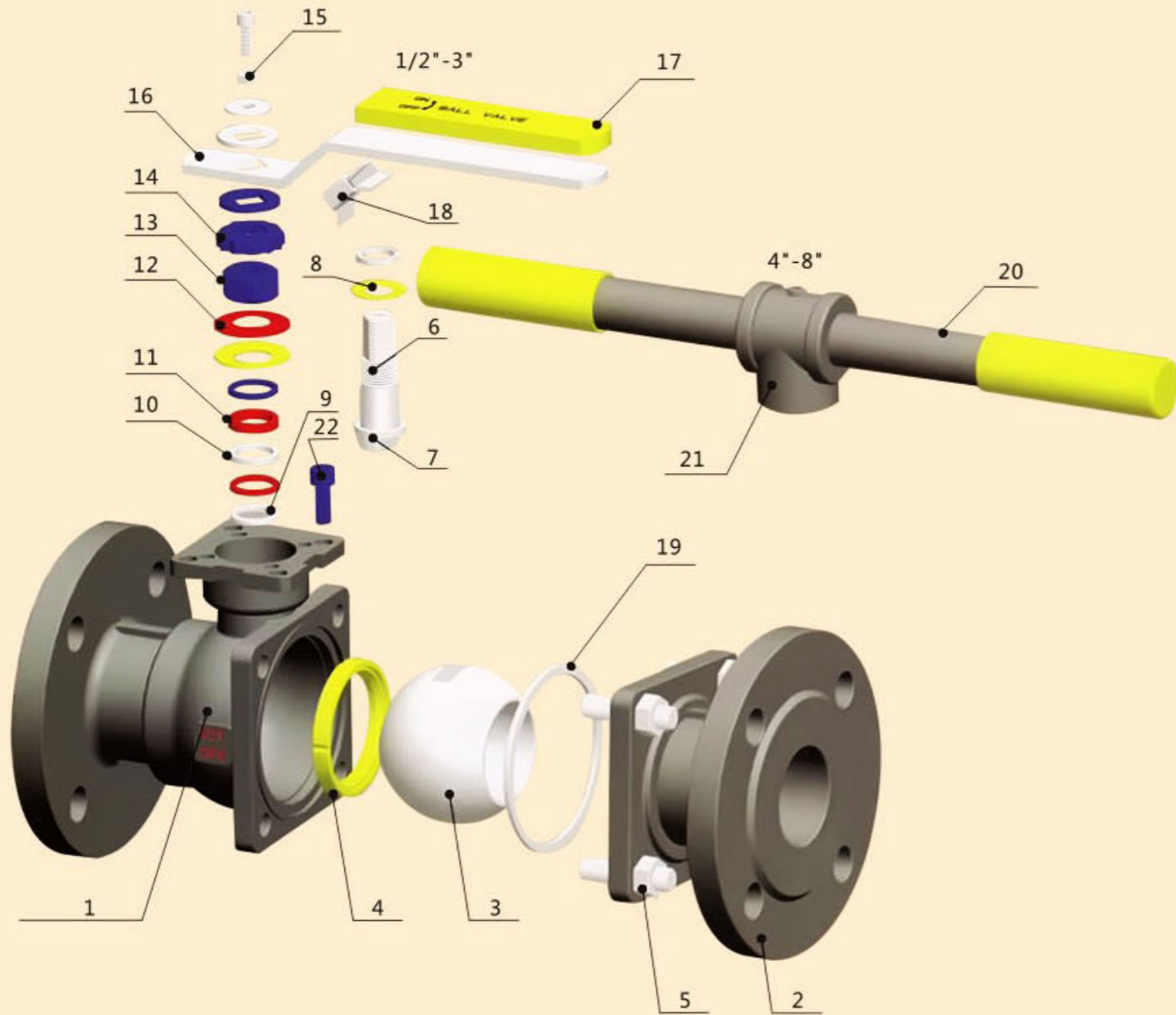


# ISOSZII DIRECT MOUNTING PAD FLOATING BALL VALVE SERIES

## Technical Specification

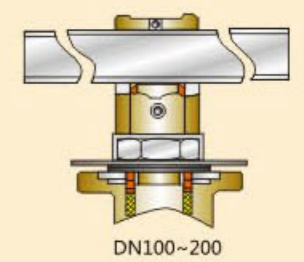
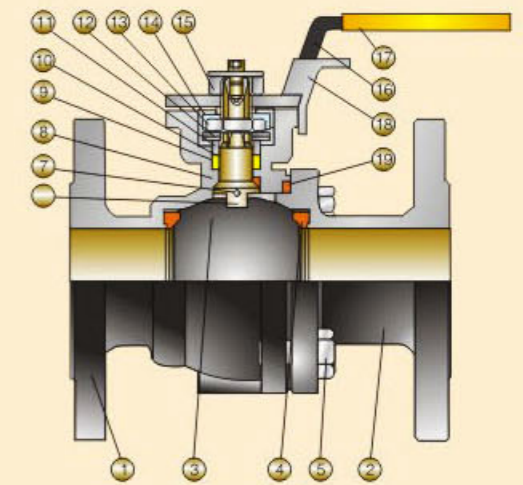


	GB	ANSI	JIS	DIN
DESIGN	GB/T12237	API608 ANSI B16.34	API608	DIN 3357/1,2
FACE TO FACE	GB/T12221	ASME B16.10	JIS B2002	DIN 3202
END FLANGE	GB/T9113 JB/T79	ASME B16.5	JIS B2212 JIS B2214	DIN 2543- 2545
INSPECTION AND TESTING	GB/T13927	API 598	JIS B2003	DIN 3230/3



## MAIN PARTS AND MATERIALS

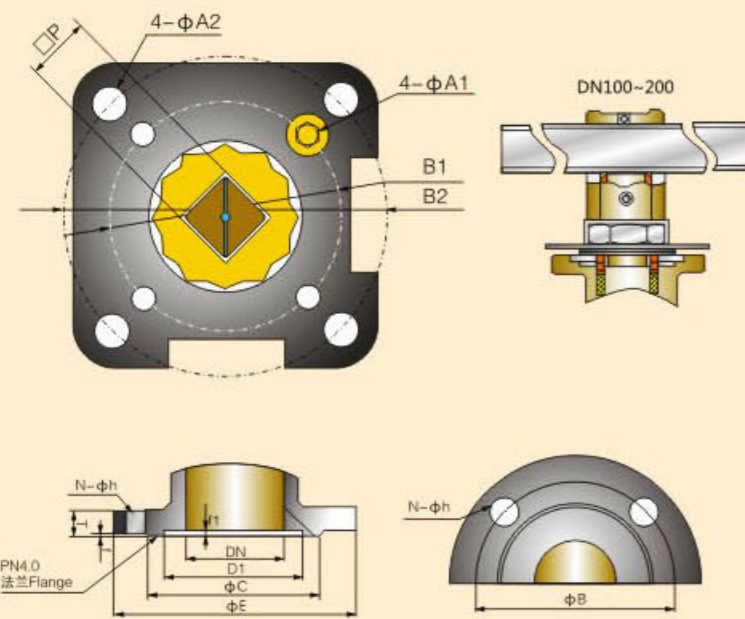
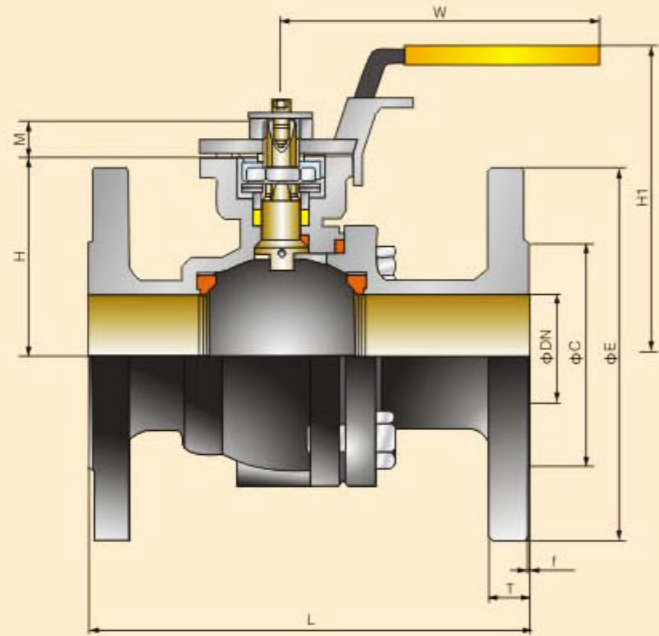
NO.	Parts description	Material
1	Body	CF8M CF8 WCB Ti64
2	Cap	CF8M CF8 WCB Ti64
3	Ball body	316 304 Ti64
4	Seat	PTFE PPL
5	Nut	A193-B8 A193-B7 A193-B8
6	Stem	316 304 2Cr13 Ti64
7	Anti-Static	304
8	Thrust Washer	PTFE, Flexible grahite
9	Packing	PTFE, Flexible grahite
10	Transition Washer	RPTFE, Flexible grahite
11	Packing ring	304
12	Bellivel Washer	304
13	Nut	304
14	Stop-lock cap	304
15	Nut	304
16	(1/2\"-3\")Handle	304
17	(1/2\"-3\")Handle cover	Plastics
18	(1/2\"-3\")Lock Device	304
19	Sealing Gasket	PTFE, Flexible grahite+Stainless steel wire
20	(4\"-6\")Steel tube	Galvanizde steel tube
21	(4\"-6\")Hand Adapter	CF8
22	Stop bolt	304



DN100~200

PN16/PN40

2-PC BODY, FLANGE END, FULL PORT, GB SERIES



**TECHNICAL SPECIFICATION**

GB/T12237/1989	Design: GB/T12237/1989
API 607 4th1993	Fire Safe: API 607 4th1993
GB/T12221-1989	Face to Face: GB/T12221-1989
GB 9113.1	End Flange: GB 9113.1
GB/T13927-1992	Inspection & Testing: GB/T13927-1992

**GB series dimension table**

**PN1.6MPa**

DN(mm)	L	φE	φB	φC	D1	T	f	f1	N-φh	H	H1	W	M	P	A1	A2	B1	B2
15	130	95	65	46	14	2	-	-	4-14	48.0	79	135	9.0	9.0	6.0	6.0	36.0	42.0
20	130	105	75	56	16	2	-	-	4-14	53.0	84	135	9.0	9.0	6.0	6.0	36.0	42.0
25	140	115	85	65	16	2	-	-	4-14	64.0	95	170	11.0	11.0	6.0	7.0	42.0	50.0
32	165	140	100	76	18	2	-	-	4-18	71.0	103	170	11.0	11.0	6.0	7.0	42.0	50.0
40	165	150	110	84	18	2	-	-	4-18	76.0	111	200	14.0	14.0	7.0	9.0	50.0	70.0
50	203	165	125	99	20	2	-	-	4-18	85.0	120	200	14.0	14.0	7.0	9.0	50.0	70.0
65	222	185	145	118	20	2	-	-	4-18	104.0	153	300	17.0	17.0	9.0	11.0	70.0	102.0
80	241	200	160	132	20	2	-	-	8-18	114.0	163	300	17.0	17.0	9.0	11.0	70.0	102.0
100	305	220	180	156	22	2	-	-	8-18	140.0	182	400	22.0	22.0	non	11.0	non	102.0
125	356	250	210	184	22	2	-	-	8-18	183.0	260	500	27.0	27.0	14.0	non	125.0	non
150	394	285	240	211	24	2	-	-	8-22	202.0	280	800	27.0	27.0	14.0	non	125.0	non
200	457	340	295	266	24	2	-	-	12-22	253.0	-	1100	27.0	27.0	14.0	non	125.0	non

**PN2.5MPa**

DN(mm)	L	φE	φB	φC	D1	T	f	f1	N-φh	H	H1	W	M	P	A1	A2	B1	B2
15	130	95	65	46	-	14	2	-	4-14	48.0	79	135	9.0	9.0	6.0	6.0	36.0	42.0
20	130	105	75	56	-	16	2	-	4-14	53.0	84	135	9.0	9.0	6.0	6.0	36.0	42.0
25	140	115	85	65	-	16	2	-	4-14	64.0	95	170	11.0	11.0	6.0	7.0	42.0	50.0
32	165	140	100	76	-	18	2	-	4-18	71.0	103	170	11.0	11.0	6.0	7.0	42.0	50.0
40	165	150	110	84	-	18	2	-	4-18	76.0	111	200	14.0	14.0	7.0	9.0	50.0	70.0
50	203	165	125	99	-	20	2	-	4-18	85.0	120	200	14.0	14.0	7.0	9.0	50.0	70.0
65	241	185	145	118	-	22	2	-	8-18	104.0	153	300	17.0	17.0	9.0	11.0	70.0	102.0
80	283	200	160	132	-	24	2	-	8-18	114.0	163	300	17.0	17.0	9.0	11.0	70.0	102.0
100	305	235	190	156	-	24	2	-	8-22	140.0	182	400	22.0	22.0	non	11.0	non	102.0
125	381	270	220	184	-	26	2	-	8-26	183.0	260	500	27.0	27.0	14.0	non	125.0	non
150	403	300	250	211	-	28	2	-	8-26	202.0	280	800	27.0	27.0	14.0	non	125.0	non
200	502	360	310	274	-	30	2	-	12-26	253.0	-	1100	27.0	27.0	14.0	non	125.0	non

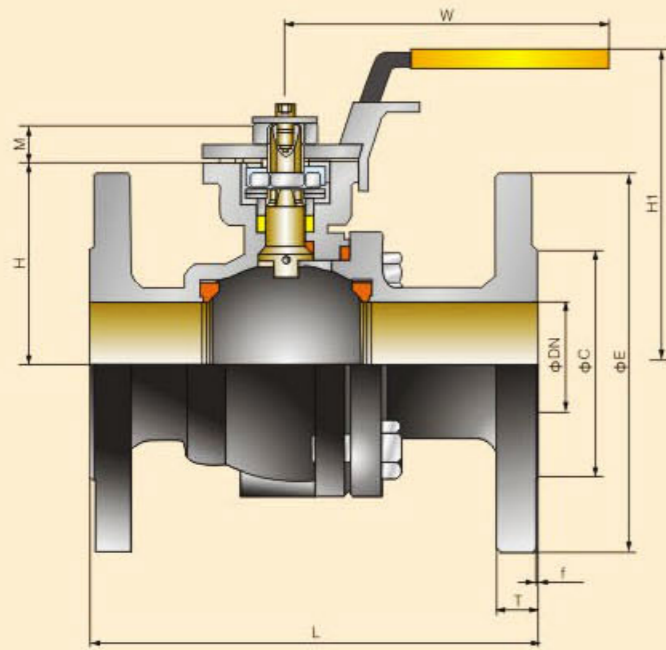
**PN4.0MPa**

DN(mm)	L	φE	φB	φC	D1	T	f	f1	N-φh	H	H1	W	M	P	A1	A2	B1	B2
15	130	95	65	46	40	14	2	4	4-14	48.0	79	135	9.0	9.0	6.0	6.0	36.0	42.0
20	130	105	75	56	51	16	2	4	4-14	53.0	84	135	9.0	9.0	6.0	6.0	36.0	42.0
25	140	115	85	65	58	16	2	4	4-14	64.0	95	170	11.0	11.0	6.0	7.0	42.0	50.0
32	165	140	100	76	66	18	2	4	4-18	71.0	103	170	11.0	11.0	6.0	7.0	42.0	50.0
40	165	150	110	84	76	18	2	4	4-18	76.0	111	200	14.0	14.0	7.0	9.0	50.0	70.0
50	203	165	125	99	88	20	2	4	4-18	85.0	120	200	14.0	14.0	7.0	9.0	50.0	70.0
65	241	185	145	118	110	22	2	4	8-18	104.0	153	300	17.0	17.0	9.0	11.0	70.0	102.0
80	283	200	160	132	121	24	2	4	8-18	114.0	163	300	17.0	17.0	9.0	11.0	70.0	102.0
100	305	235	190	156	150	24	2	4.5	8-22	140.0	182	400	22.0	22.0	non	11.0	non	102.0
125	381	270	220	184	176	26	2	4.5	8-26	183.0	260	500	27.0	27.0	14.0	non	125.0	non
150	403	300	250	211	204	28	2	4.5	8-26	202.0	280	800	27.0	27.0	14.0	non	125.0	non
200	502	375	320	284	260	34	2	4.5	12-30	253.0	-	1100	27.0	27.0	14.0	non	125.0	non

**CLASS 150/300**

**2-PC BODY, FLANGE END, FULL PORT, ANSI SERIES**

**ANSI series dimension table**

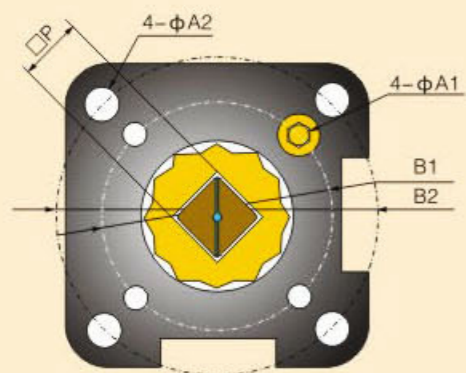


**Class 150**

DN(mm)	φD	L	φE	φB	φC	T	f	N-φh	H	H1	W	M	P	A1	A2	B1	B2
1/2"	13	108	89	60.5	35	11.5	1.6	4-16	48.0	79	135	9.0	9.0	6.0	6.0	36.0	42.0
3/4"	19	117	98	70	43	11.5	1.6	4-16	53.0	84	135	9.0	9.0	6.0	6.0	36.0	42.0
1"	25	127	108	79.5	51	12	1.6	4-16	64.0	95	170	11.0	11.0	6.0	7.0	42.0	50.0
1-1/4"	32	140	117	89	64	13	1.6	4-16	71.0	103	170	11.0	11.0	6.0	7.0	42.0	50.0
1-1/2"	38	165	127	98.5	73	15	1.6	4-16	76.0	111	200	14.0	14.0	7.0	9.0	50.0	70.0
2"	51	178	152	120.5	92	16	1.6	4-19	85.0	120	200	14.0	14.0	7.0	9.0	50.0	70.0
2-1/2"	64	190	178	139.5	105	18	1.6	4-19	104.0	153	300	17.0	17.0	9.0	11.0	70.0	102.0
3"	76	203	190	152.5	127	19	1.6	4-19	114.0	163	300	17.0	17.0	9.0	11.0	70.0	102.0
4"	102	229	229	190.5	157	24	1.6	8-19	140.0	182	400	22.0	22.0	non	11.0	non	102.0
5"	127	356	254	216	186	24	1.6	8-22	183.0	260	500	27.0	27.0	14.0	non	125.0	non
6"	152	394	279	241.5	216	26	1.6	8-22	202.0	280	800	27.0	27.0	14.0	non	125.0	non
8"	203	457	343	298.5	270	29	1.6	8-22	253.0	-	1100	27.0	27.0	14.0	non	125.0	non

**Class 300**

DN(mm)	φD	L	φE	φB	φC	T	f	N-φh	H	H1	W	M	P	A1	A2	B1	B2
1/2"	13	140	95	66.5	35	15	1.6	4-16	48.0	79	135	9.0	9.0	6.0	6.0	36.0	42.0
3/4"	19	152	117	82.5	43	16	1.6	4-19	53.0	84	135	9.0	9.0	6.0	6.0	36.0	42.0
1"	25	165	124	89	51	18	1.6	4-19	64.0	95	170	11.0	11.0	6.0	7.0	42.0	50.0
1-1/4"	32	178	133	98.5	64	19	1.6	4-19	71.0	103	170	11.0	11.0	6.0	7.0	42.0	50.0
1-1/2"	38	190	156	114.5	73	21	1.6	4-22	76.0	111	200	14.0	14.0	7.0	9.0	50.0	70.0
2"	51	216	165	127	92	23	1.6	8-19	85.0	120	200	14.0	14.0	7.0	9.0	50.0	70.0
2-1/2"	64	241	190	149	105	26	1.6	8-22	104.0	153	300	17.0	17.0	9.0	11.0	70.0	102.0
3"	76	283	210	168.5	127	29	1.6	8-22	114.0	163	300	17.0	17.0	9.0	11.0	70.0	102.0
4"	102	305	254	200	157	32	1.6	8-22	140.0	182	400	22.0	22.0	non	11.0	non	102.0
5"	127	381	279	235	186	35	1.6	8-22	183.0	260	500	27.0	27.0	14.0	non	125.0	non
6"	152	403	318	270	216	37	1.6	12-22	202.0	280	800	27.0	27.0	14.0	non	125.0	non
8"	203	502	381	330	270	42	1.6	12-25	253.0	-	1100	27.0	27.0	14.0	non	125.0	non



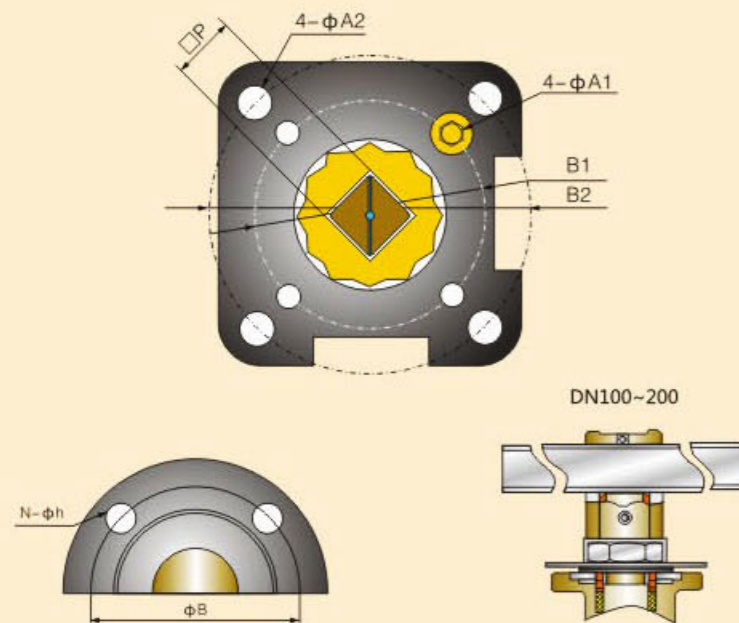
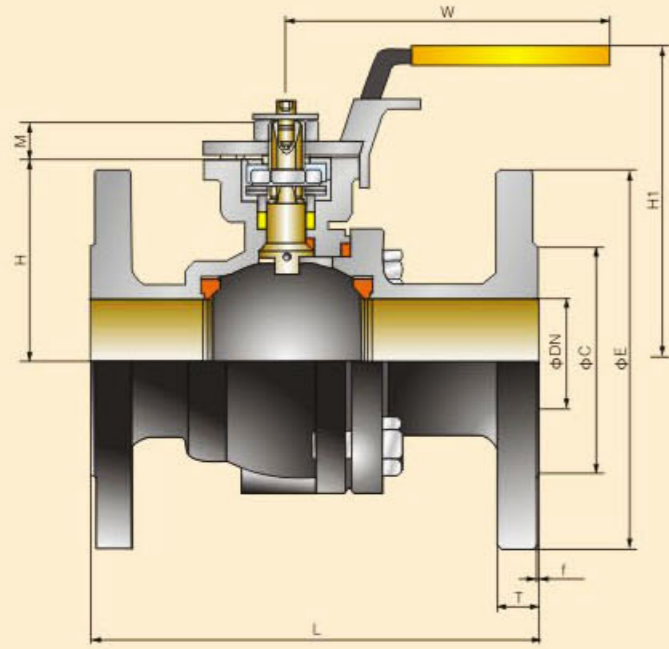
**TECHNICAL SPECIFICATION**

设计与制造: ASME B16.34 API608	Design: ASME B16.34 API608
防火测试: API 607 4th1993	Fire Safe: API 607 4th1993
结构长度: ASME B16.10	Face to Face: ASME B 16.10
连接法兰: ASME B16.5	End Flange: ASME B16.5
检测与试验: API598, API6D	Inspection & Testing: API598, API6D



PN16/PN40

2-PC BODY, FLANGE END, FULL PORT, DIN SERIES



**TECHNICAL SPECIFICATION**

- Design:  
DIN 3357/1,  
2EN12516-1
- Fire Safe:  
API 607 4th1993
- End Flange:  
DIN2542-DIN2545,  
En1092
- Inspection & Testing:  
DIN3230/3,  
En12266
- Face to Face:  
DIN3202F1(DN-DN100)  
F7(DN125-DN250)  
F17,F4(DN15-DN100)  
F5(DN125-DN250)/F18

**DIN series dimension table**

**PN1.6MPa**

DN(mm)	L	φE	φB	φC	T	f	N-φh	H	H1	W	M	P	A1	A2	B1	B2
15	115	95	65	45	16	2	4-14	48.0	79	135	9.0	9.0	6.0	6.0	36.0	42.0
20	120	105	75	58	18	2	4-14	53.0	84	135	9.0	9.0	6.0	6.0	36.0	42.0
25	125	115	85	68	18	2	4-14	64.0	95	170	11.0	11.0	6.0	7.0	42.0	50.0
32	130	140	100	78	18	2	4-18	71.0	103	170	11.0	11.0	6.0	7.0	42.0	50.0
40	140	150	110	88	18	2	4-18	76.0	111	200	14.0	14.0	7.0	9.0	50.0	70.0
50	150	165	125	102	20	2	4-18	85.0	120	200	14.0	14.0	7.0	9.0	50.0	70.0
65	170	185	145	122	18	2	4-18	104.0	153	300	17.0	17.0	9.0	11.0	70.0	102.0
80	180	200	160	138	20	2	8-18	114.0	163	300	17.0	17.0	9.0	11.0	70.0	102.0
100	190	220	180	158	20	2	8-18	140.0	182	400	22.0	22.0	non	11.0	non	102.0
125	325	250	210	188	22	2	8-18	183.0	260	500	27.0	27.0	14.0	non	125.0	non
150	350	285	240	212	22	2	8-22	202.0	280	800	27.0	27.0	14.0	non	125.0	non
200	400	340	295	268	24	2	12-22	253.0	-	1100	27.0	27.0	14.0	non	125.0	non

**PN2.5MPa**

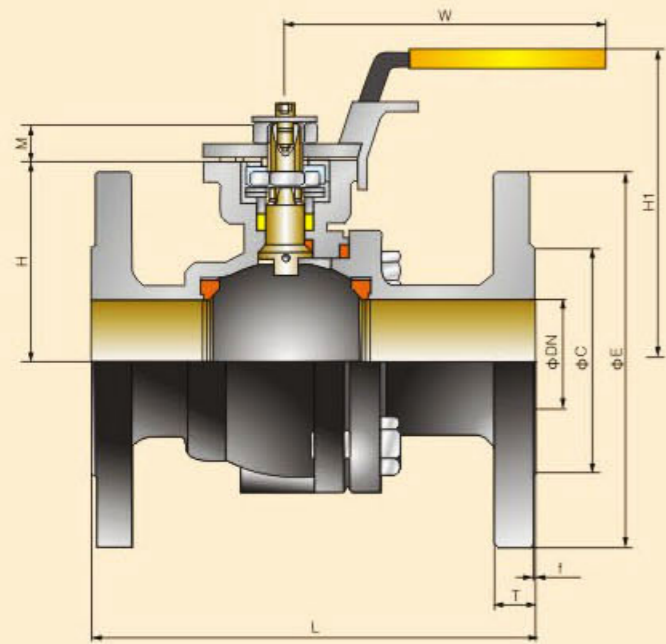
DN(mm)	L	φE	φB	φC	T	f	N-φh	H	H1	W	M	P	A1	A2	B1	B2
15	130	95	65	45	16	2	4-14	48.0	79	135	9.0	9.0	6.0	6.0	36.0	42.0
20	150	105	75	58	18	2	4-14	53.0	84	135	9.0	9.0	6.0	6.0	36.0	42.0
25	160	115	85	68	18	2	4-14	64.0	95	170	11.0	11.0	6.0	7.0	42.0	50.0
32	180	140	100	78	18	2	4-18	71.0	103	170	11.0	11.0	6.0	7.0	42.0	50.0
40	200	150	110	88	18	3	4-18	76.0	111	200	14.0	14.0	7.0	9.0	50.0	70.0
50	230	165	125	102	20	3	4-18	85.0	120	200	14.0	14.0	7.0	9.0	50.0	70.0
65	290	185	145	122	22	3	8-18	104.0	153	300	17.0	17.0	9.0	11.0	70.0	102.0
80	310	200	160	138	24	3	8-18	114.0	163	300	17.0	17.0	9.0	11.0	70.0	102.0
100	350	220	190	162	24	3	8-22	140.0	182	400	22.0	22.0	non	11.0	non	102.0
125	400	250	220	188	26	3	8-26	183.0	260	500	27.0	27.0	14.0	non	125.0	non
150	450	285	250	218	28	3	8-26	202.0	280	800	27.0	27.0	14.0	non	125.0	non
200	550	340	310	278	30	3	12-26	253.0	-	1100	27.0	27.0	14.0	non	125.0	non

**PN4.0MPa**

DN(mm)	L	φE	φB	φC	T	f	N-φh	H	H1	W	M	P	A1	A2	B1	B2
15	130	95	65	45	16	2	4-14	48.0	79	135	9.0	9.0	6.0	6.0	36.0	42.0
20	150	105	75	58	18	2	4-14	53.0	84	135	9.0	9.0	6.0	6.0	36.0	42.0
25	160	115	85	68	18	2	4-14	64.0	95	170	11.0	11.0	6.0	7.0	42.0	50.0
32	180	140	100	78	18	2	4-18	71.0	103	170	11.0	11.0	6.0	7.0	42.0	50.0
40	200	150	110	88	18	3	4-18	76.0	111	200	14.0	14.0	7.0	9.0	50.0	70.0
50	230	165	125	102	20	3	4-18	85.0	120	200	14.0	14.0	7.0	9.0	50.0	70.0
65	290	185	145	122	22	3	8-18	104.0	153	300	17.0	17.0	9.0	11.0	70.0	102.0
80	310	200	160	138	24	3	8-18	114.0	163	300	17.0	17.0	9.0	11.0	70.0	102.0
100	350	235	190	162	24	3	8-22	140.0	182	400	22.0	22.0	non	11.0	non	102.0
125	400	270	220	188	26	3	8-26	183.0	260	500	27.0	27.0	14.0	non	125.0	non
150	450	300	250	218	28	3	8-26	202.0	280	800	27.0	27.0	14.0	non	125.0	non
200	550	375	320	285	34	3	12-30	253.0	-	1100	27.0	27.0	14.0	non	125.0	non

10K/20K

2-PC BODY, FLANGE END, FULL PORT, JIS SERIES



JIS 10K

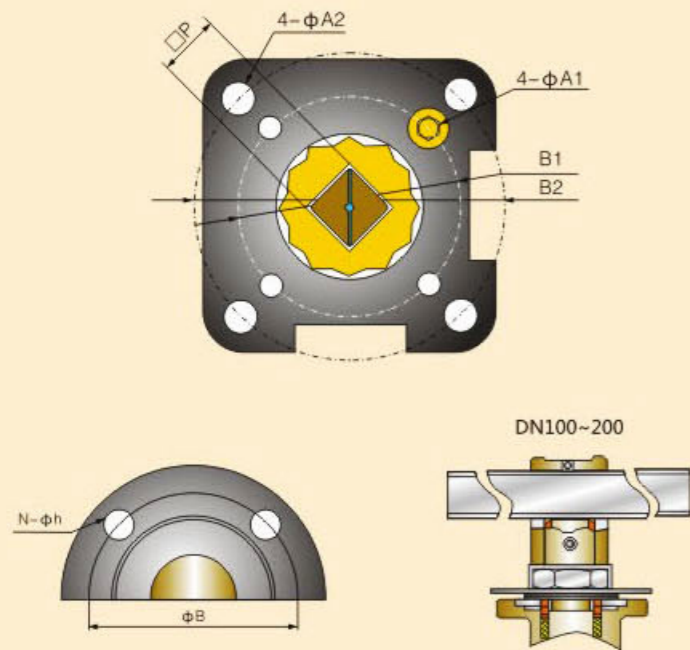
DN(mm)	φD	L	φE	φB	φC	T	f	N-φh	H	H1	W	M	P	A1	A2	B1	B2
15	15	108	95	70	52	12	1	4-15	48.0	79	135	9.0	9.0	6.0	6.0	36.0	42.0
20	20	117	100	75	58	14	1	4-15	53.0	84	135	9.0	9.0	6.0	6.0	36.0	42.0
25	25	127	125	90	70	14	1	4-19	64.0	95	170	11.0	11.0	6.0	7.0	42.0	50.0
32	32	140	135	100	80	16	2	4-19	71.0	103	170	11.0	11.0	6.0	7.0	42.0	50.0
40	38	165	140	105	85	16	2	4-19	76.0	111	200	14.0	14.0	7.0	9.0	50.0	70.0
50	50	178	155	120	100	16	2	4-19	85.0	120	200	14.0	14.0	7.0	9.0	50.0	70.0
65	64	190	175	140	120	18	2	4-19	104.0	153	300	17.0	17.0	9.0	11.0	70.0	102.0
80	76	203	185	150	130	18	2	8-19	114.0	163	300	17.0	17.0	9.0	11.0	70.0	102.0
100	100	229	210	175	155	18	2	8-19	140.0	182	400	22.0	22.0	non	11.0	non	102.0
125	125	356	250	210	185	20	2	8-23	183.0	260	500	27.0	27.0	14.0	non	125.0	non
150	150	394	280	240	215	22	2	8-23	202.0	280	800	27.0	27.0	14.0	non	125.0	non
200	200	457	330	290	265	22	2	12-23	253.0	-	1100	27.0	27.0	14.0	non	125.0	non

JIS 20K

DN(mm)	φD	L	φE	φB	φC	T	f	N-φh	H	H1	W	M	P	A1	A2	B1	B2
15	15	140	95	70	52	14	1	4-15	48.0	79	135	9.0	9.0	6.0	6.0	36.0	42.0
20	20	152	100	75	58	16	1	4-15	53.0	84	135	9.0	9.0	6.0	6.0	36.0	42.0
25	25	165	125	90	70	16	1	4-19	64.0	95	170	11.0	11.0	6.0	7.0	42.0	50.0
32	32	178	135	100	80	18	2	4-19	71.0	103	170	11.0	11.0	6.0	7.0	42.0	50.0
40	38	190	140	105	85	18	2	4-19	76.0	111	200	14.0	14.0	7.0	9.0	50.0	70.0
50	50	216	155	120	100	18	2	8-19	85.0	120	200	14.0	14.0	7.0	9.0	50.0	70.0
65	64	241	175	140	120	20	2	8-19	104.0	153	300	17.0	17.0	9.0	11.0	70.0	102.0
80	76	283	200	160	135	22	2	8-23	114.0	163	300	17.0	17.0	9.0	11.0	70.0	102.0
100	100	305	225	185	160	24	2	8-23	140.0	182	400	22.0	22.0	non	11.0	non	102.0
125	125	381	270	225	195	26	2	8-25	183.0	260	500	27.0	27.0	14.0	non	125.0	non
150	150	403	305	260	230	28	2	12-25	202.0	280	800	27.0	27.0	14.0	non	125.0	non
200	200	502	350	305	275	30	2	12-25	253.0	-	1100	27.0	27.0	14.0	non	125.0	non

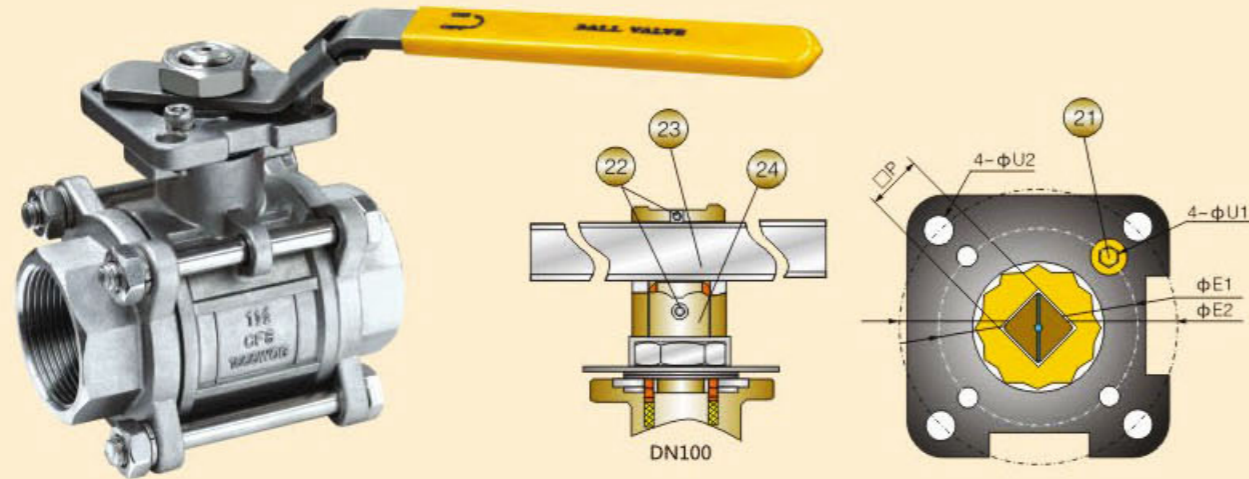
TECHNIAL SPECITICATION

- Design:  
ASME B16.34  
API608
- Fire Safe:  
API 607 4th1993
- Face to Face:  
JIS B 2002
- End Flange:  
JIS B2212-B213
- Inspection & Testing:  
JIS B2003,API6D



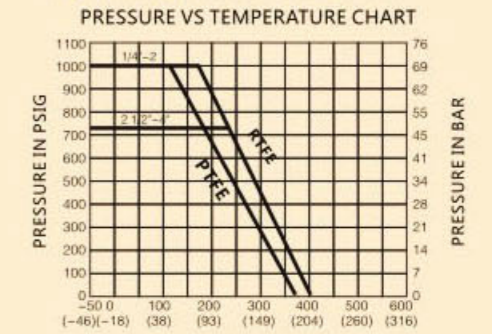
**3-PC BODY, SCREW END, ISOSZII  
DIRECT MOUNTING PAD BALL VALVE**

**Dimension table**



SIZE	φd	L	H	H1	A	W	φE1	φE2	P	φU1	φU2
1/2"	15.0	75.0	42.0	72.0	8.0	135.0	36.0	42.0	9.0	6.0	6.0
3/4"	20.0	81.0	48.5	80.0	9.0	135.0	36.0	42.0	9.0	6.0	6.0
1"	25.0	90.0	58.5	90.0	11.0	170.0	42.0	50.0	11.0	6.0	7.0
1-1/4"	32.0	112.0	63.0	95.0	11.0	170.0	42.0	50.0	11.0	6.0	7.0
1-1/2"	38.0	120.0	71.0	106.0	14.0	200.0	50.0	70.0	14.0	7.0	9.0
2"	50.0	140.0	78.0	113.0	14.0	200.0	50.0	70.0	14.0	7.0	9.0
2-1/2"	65.0	176.0	100.0	149.0	17.0	300.0	70.0	102.0	17.0	9.0	11.0
3"	78.0	195.0	109.0	159.0	17.0	300.0	70.0	102.0	17.0	9.0	11.0
4"	100.0	227.0	140.0	205.0	22.0	400.0	-	102.0	12.0	-	11.0

**TEMPERATURE CHART**

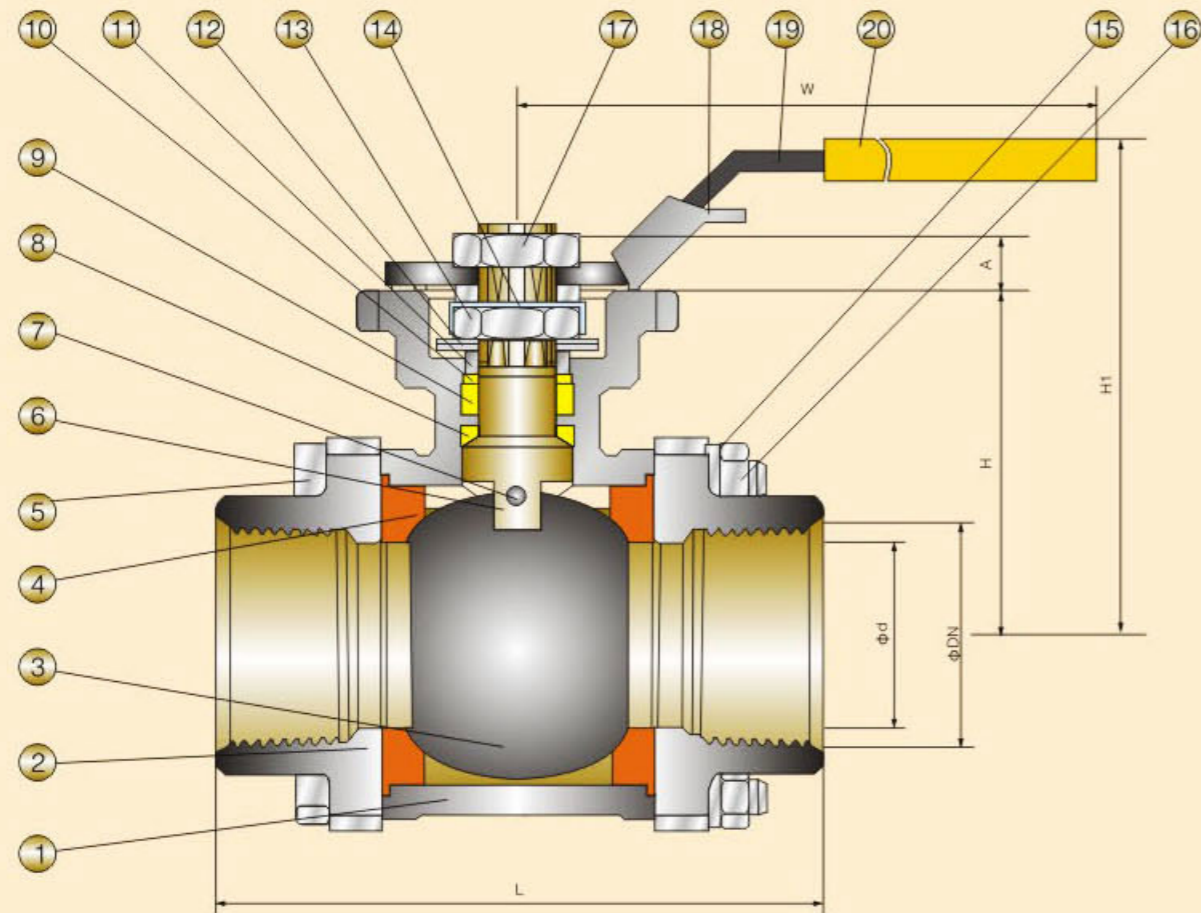


**MAIN PARTS AND MATERIALS**

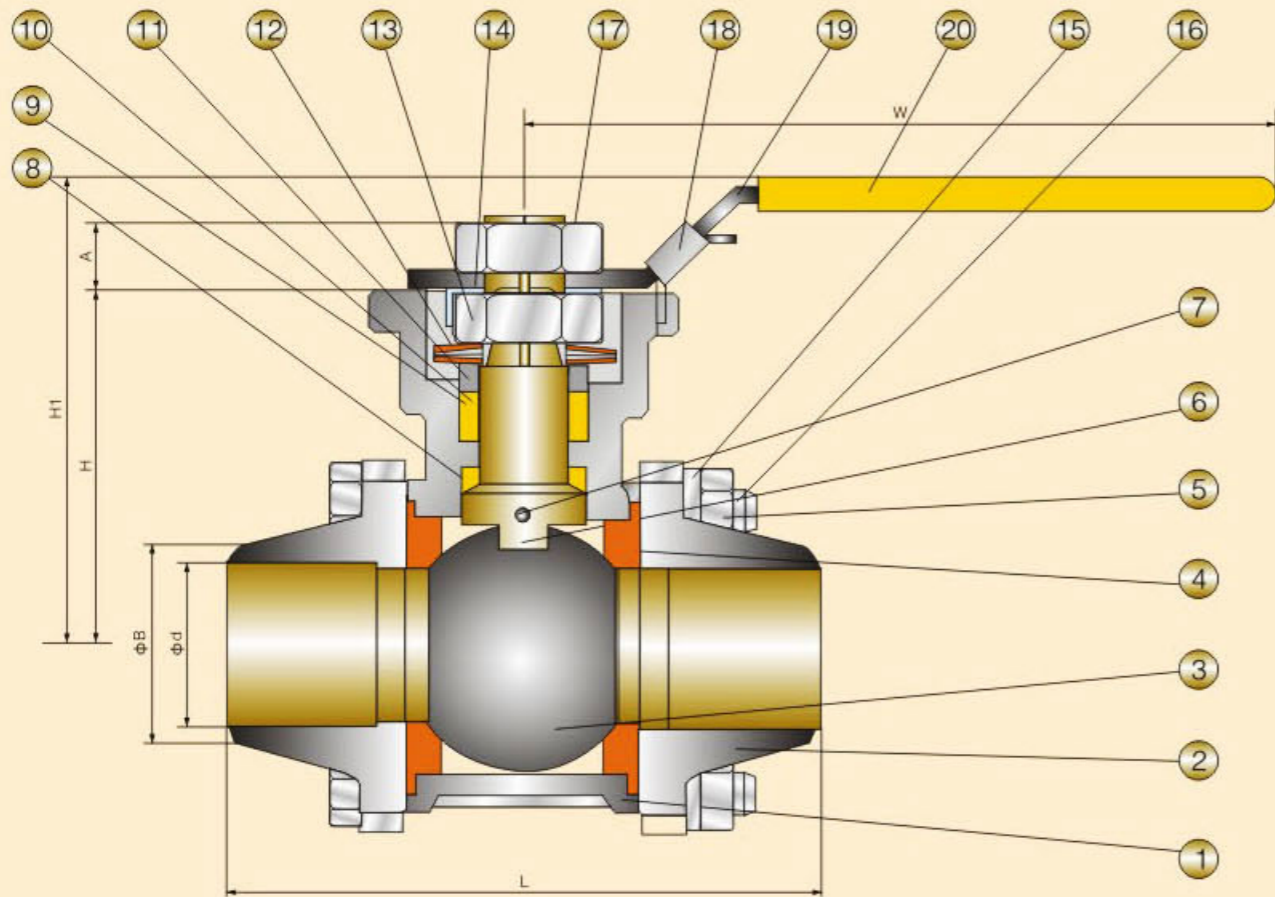
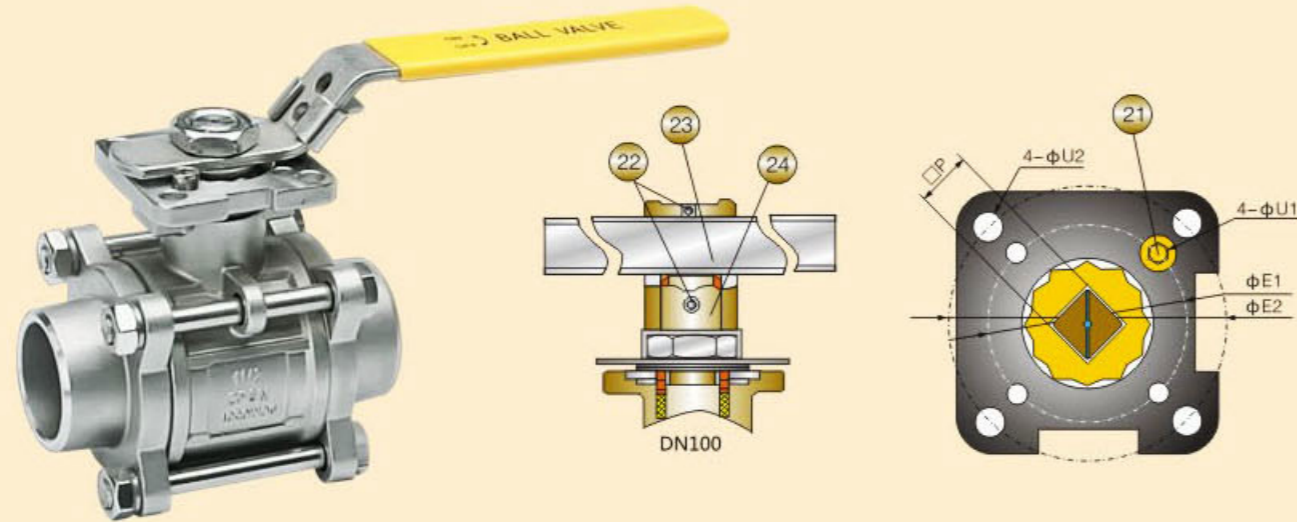
NO.	Parts description	Material
1	Body	CF8M CF8 WCB
2	Cap	CF8M CF8 WCB
3	Ball body	316 304
4	Seat	PTFE, PPL
5	Bolt	A193-B8 A193-B7
6	Stem	316 304 2Cr13
7	Anti-Static	304
8	Thrust Washer	PTFE
9	Packing	PTFE
10	Transition Washer	RPTFE, Flexible graphite
11	Packing ring	304
12	Bellivel Washer	304
13	Nut	304
14	Stop-lock cap	304
15	Bolt Washer	304
16	Nut	304
17	Handle Nut	304
18	Lock Device	304
19	Handle	304
20	Handle sleeve	Plastics
21	Stop bolt	304
22	Set Screwed	304
23	Handle	304
24	Handle Adapter	CF8

**SPECIFICATIONS**

Working Pressure:  
 1000WOG(Class 400), PN 64  
 2000WOG(Class 800), PN 130  
 Temperature Range: -20 ~ 300°C  
 Suitable medium: Water, oil, air and some  
 Corrsive liquid  
 Thread type: G.NPT,BSPT,BSP DIN259/2999



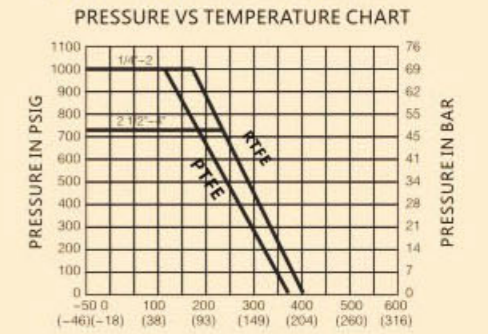
**3-PC BODY, BUTT-WELD, ISOSZII  
DIRECT MOUNTING PAD BALL VALVE**



**Dimension table**

SIZE	φd	L	H	H1	A	W	φB	φE1	φE2	P	φU1	φU2
1/2"	15.0	72.0	42.0	72.0	8.0	135.0	22.7	36.0	42.0	9.0	6.0	6.0
3/4"	20.0	81.0	48.5	80.0	9.0	135.0	27.5	36.0	42.0	9.0	6.0	6.0
1"	25.0	98.0	58.5	90.0	11.0	170.0	33.5	42.0	50.0	11.0	6.0	7.0
1-1/4"	32.0	112.0	63.0	95.0	11.0	170.0	42.0	42.0	50.0	11.0	6.0	7.0
1-1/2"	38.0	126.0	71.0	106.0	14.0	200.0	48.6	50.0	70.0	14.0	7.0	9.0
2"	50.0	145.0	78.0	113.0	14.0	200.0	60.5	50.0	70.0	14.0	7.0	9.0
2-1/2"	65.0	176.0	100.0	149.0	17.0	300.0	76.3	70.0	102.0	17.0	9.0	11.0
3"	78.0	195.0	109.0	159.0	17.0	300.0	90.0	70.0	102.0	17.0	9.0	11.0
4"	100.0	227.0	140.0	205.0	22.0	400.0	106.5	-	102.0	12.0	-	11.0

**TEMPERATURE CHART**



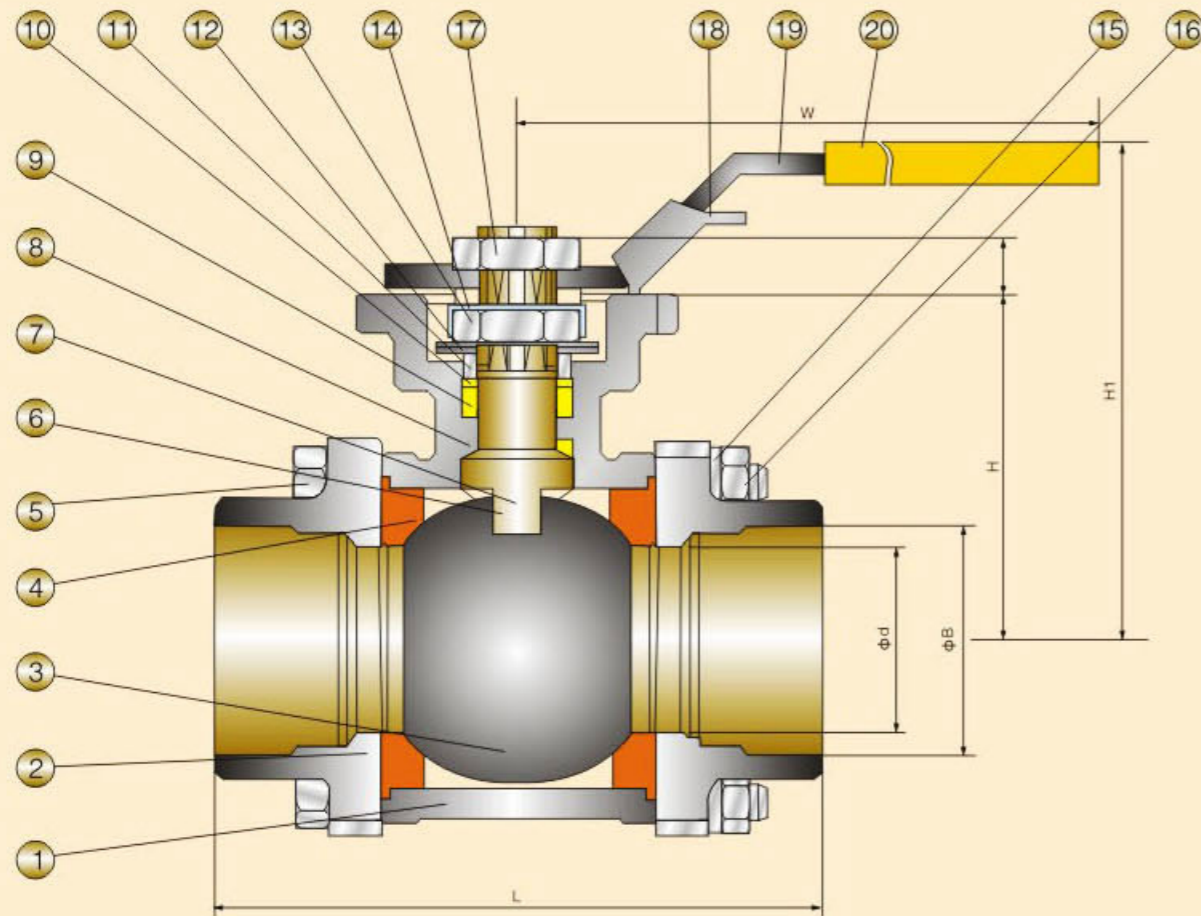
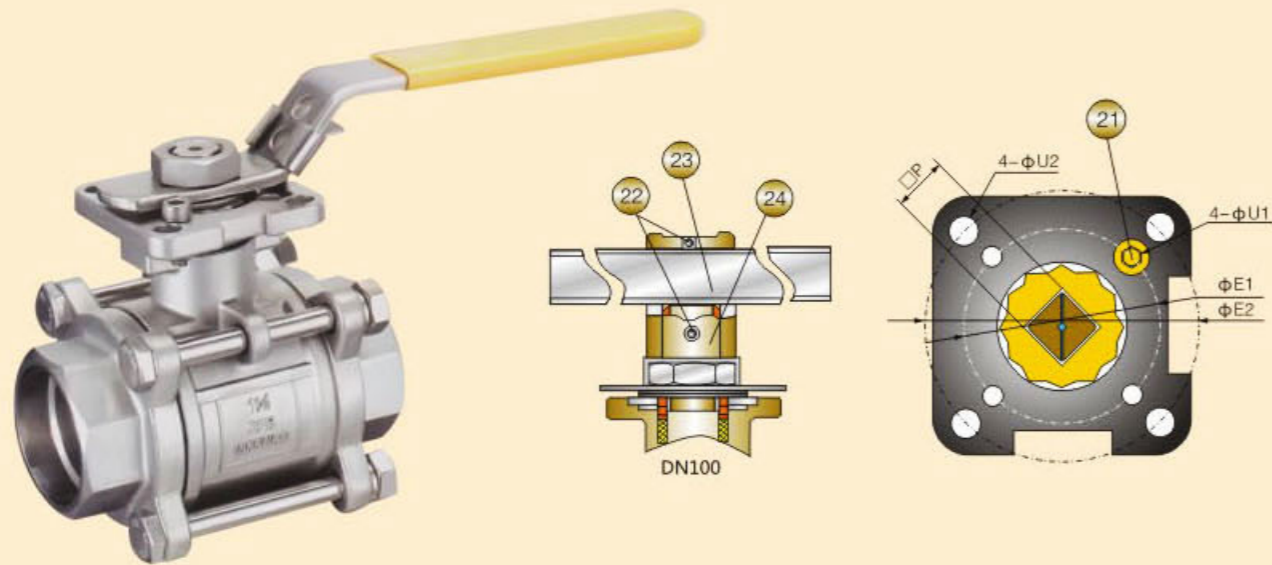
**MAIN PARTS AND MATERIALS**

NO.	Parts description	Material
1	Body	CF8M / CF8 / WCB
2	Cap	CF8M / CF8 / WCB
3	Ball body	316 / 304
4	Seat	PTFE, PPL
5	Nut	A193-B8 / A193-B7
6	Stem	316 / 304 / 2Cr13
7	Anti-Static	304
8	Thrust Washer	PTFE
9	Packing	PTFE
10	Transition Washer	RPTFE, Flexible graphite
11	Packing ring	304
12	Bellivel Washer	304
13	Nut	304
14	Stop-lock cap	304
15	Bolt Washer	304
16	Bolt Nut	304
17	Handle Nut	304
18	Lock Device	304
19	Handle	304
20	Handle sleeve	Plastics
21	Stop bolt	304
22	Set Screwed	304
23	Handle	304
24	Handle Adapter	CF8

**SPECIFICATIONS**

Working Pressure:  
 1000WOG(Class 400), PN 64  
 2000WOG(Class 800), PN 130  
 Temperature Range: -20 ~ 300°C  
 Suitable medium: Water, oil, air and some  
 Corrsive liquid  
 Butt-welding standard: GB12224 ANSI  
 B 16.25

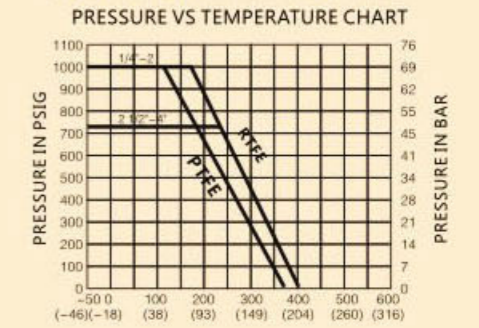
**3-PC BODY, SOCKET WELD, ISOSZII  
DIRECT MOUNTING PAD BALL VALVE**



**Dimension table**

SIZE	φd	L	H	H1	A	W	φB	φE1	φE2	P	φU1	φU2
1/2"	15.0	75.0	42.0	72.0	8.0	135.0	21.8	36.0	42.0	9.0	6.0	6.0
3/4"	20.0	81.0	48.5	80.0	9.0	135.0	27.5	36.0	42.0	9.0	6.0	6.0
1"	25.0	90.0	58.5	90.0	11.0	170.0	34.7	42.0	50.0	11.0	6.0	7.0
1-1/4"	32.0	112.0	63.0	95.0	11.0	170.0	43.0	42.0	50.0	11.0	6.0	7.0
1-1/2"	38.0	120.0	71.0	106.0	14.0	200.0	49.0	50.0	70.0	14.0	7.0	9.0
2"	50.0	140.0	78.0	113.0	14.0	200.0	61.5	50.0	70.0	14.0	7.0	9.0
2-1/2"	65.0	176.0	100.0	149.0	17.0	300.0	77.0	70.0	102.0	17.0	9.0	11.0
3"	78.0	195.0	109.0	159.0	17.0	300.0	90.0	70.0	102.0	17.0	9.0	11.0
4"	100.0	227.0	140.0	205.0	22.0	400.0	115.2	-	102.0	12.0	-	11.0

**TEMPERATURE CHART**



**MAIN PARTS AND MATERIALS**

NO.	Parts description	Material
1	Body	CF8M CF8 WCB
2	Cap	CF8M CF8 WCB
3	Ball body	316 304
4	Seat	PTFE, PPL
5	Nut	A193-B8 A193-B7
6	Stem	316 304 2Cr13
7	Anti-Static	304
8	Thrust Washer	PTFE
9	Packing	PTFE
10	Transition Washer	RPTFE, Flexible graphite
11	Packing ring	304
12	Bellivel Washer	304
13	Nut	304
14	Stop-lock cap	304
15	Bolt Washer	304
16	Bolt Nut	304
17	Handle Nut	304
18	Lock Device	304
19	Handle	304
20	Handle sleeve	Plastics
21	Stop bolt	304
22	Set Screw	304
23	Handle	304
24	Handle Adapter	CF8

**SPECIFICATIONS**

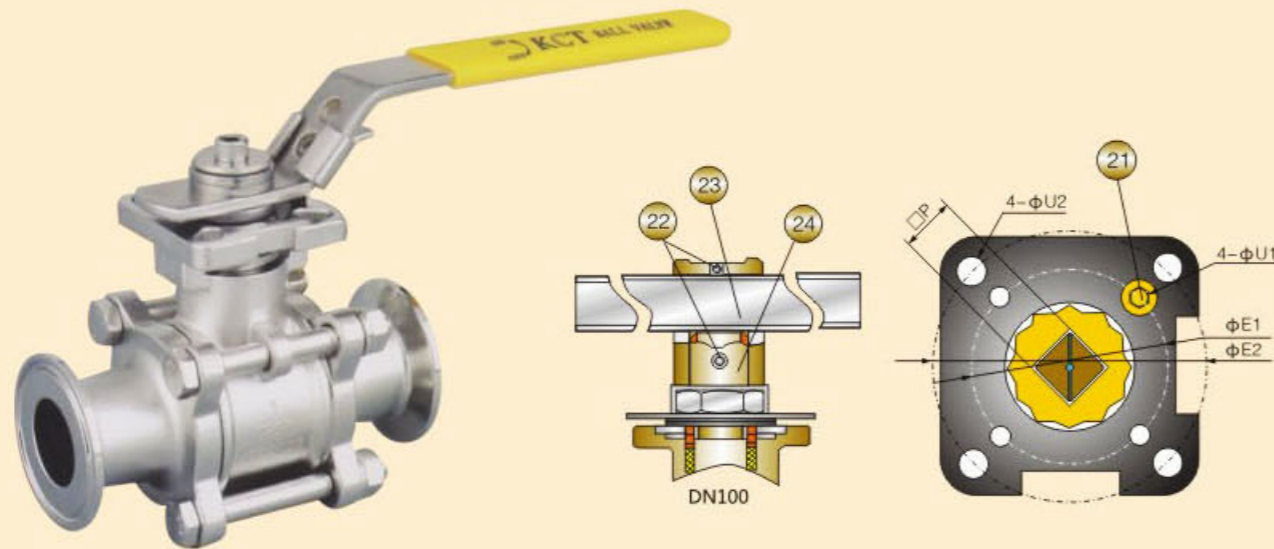
Working Pressure:  
 1000WOG(Class 400), PN 64  
 2000WOG(Class 800), PN 130  
 Temperature Range: -20 ~ 300°C  
 Suitable medium: Water, oil, air and some  
 Corrosive liquid  
 Socket-welding standard: GB12224 ANSI  
 B 16.25

B 16.25



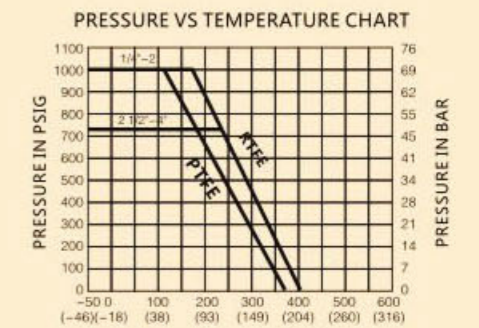
### 3-PC BODY, HOOP END, ISOSZII DIRECT MOUNTING PAD BALL VALVE

### Dimension table



SIZE	φd	PORT	L	H	H1	φE1	φE2	P	φU1	φU2	A	W	φD	φS	T1	T2
1/2"	15.0	9.6	90	42.0	72.0	36.0	42.0	9.0	6.0	6.0	8.0	135.0	50.4	50.4	2.85	3.63
3/4"	20.0	15.9	102	48.5	80.0	36.0	42.0	9.0	6.0	6.0	9.0	135.0	50.4	50.4	2.85	3.63
1"	25.0	22.2	114	58.5	90.0	42.0	50.0	11.0	6.0	7.0	11.0	170.0	50.4	43.6	2.85	4.75
1-1/4"	32.0	28.5	134	63.0	95.0	42.0	50.0	11.0	6.0	7.0	11.0	170.0	50.4	43.6	2.85	4.75
1-1/2"	38.0	34.9	142	71.0	106.0	50.0	70.0	14.0	7.0	9.0	14.0	200.0	50.4	43.6	2.85	-
2"	49.0	47.5	158	78.0	113.0	50.0	70.0	14.0	7.0	9.0	14.0	200.0	63.9	56.3	2.85	-
2-1/2"	65.0	60.5	190	100.0	149.0	70.0	102.0	17.0	9.0	11.0	17.0	300.0	77.4	70.6	2.85	-
3"	78.0	72.9	205	109.0	159.0	70.0	102.0	17.0	9.0	11.0	17.0	300.0	89.0	83.3	2.85	-
4"	100.0	97.4	270	140.0	205.0	-	102.0	12.0	-	11.0	22.0	400.0	118.9	110.3	2.85	-

### TEMPERATURE CHART

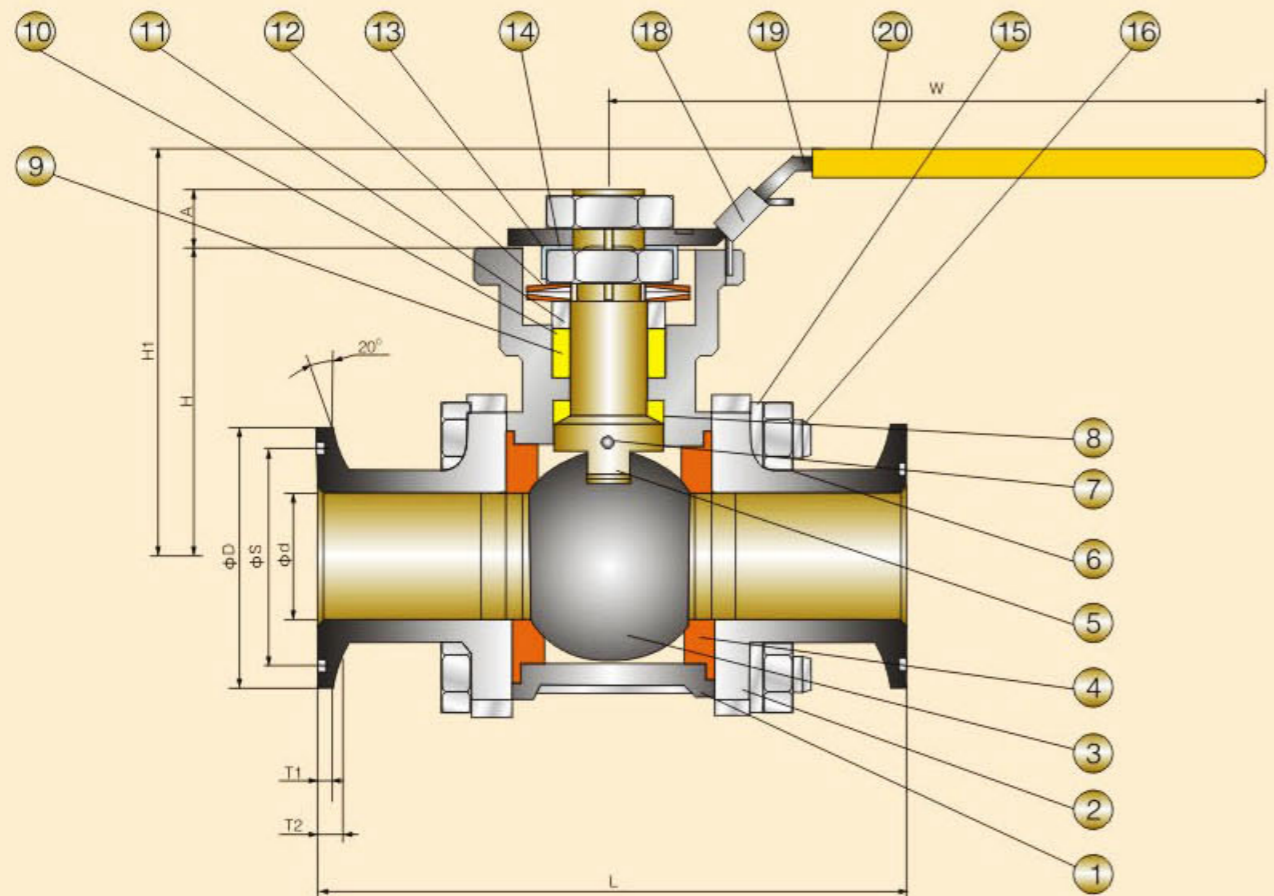


### MAIN PARTS AND MATERIALS

NO.	Parts description	Material
1	Body	CF8M / CF8 / WCB
2	Cap	CF8M / CF8 / WCB
3	Ball body	316 / 304
4	Seat	PTFE, PPL
5	Stem	A193-B8 / A193-B7
6	Nut	316 / 304 / 2Cr13
7	Anti-Static	304
8	Thrust Washer	PTFE
9	Packing	PTFE
10	Transition Washer	RPTFE, Flexible graphite
11	Packing ring	304
12	Bellivel Washer	304
13	Nut	304
14	Stop-lock cap	304
15	Bolt Washer	304
16	Bolt Nut	304
17	Handle Nut	304
18	Lock Device	304
19	Handle	304
20	Handle sleeve	Plastics
21	Stop bolt	304
22	Set Screw	304
23	Handle	304
24	Handle Adapter	CF8

### SPECIFICATIONS

Working Pressure: 1000PSI  
 Temperature Range: -20 ~ 300°C  
 Suitable medium: Water, oil, air and some  
 Corrosive liquid



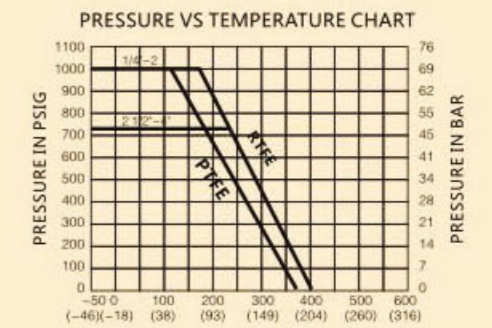
**2-PC BODY, SCREW END, ISOSZII  
DIRECT MOUNTING PAD BALL VALVE**



**Dimension table**

SIZE	φd	L	H	H1	A	W	T	φE1	φE2	P	φU1	φU2
1/2"	10.6	64.0	42.0	72.0	9.0	135.0	32.0	36.0	42.0	9.0	6.0	6.0
3/8"	12.7	64.0	42.0	72.0	9.0	135.0	32.0	36.0	42.0	9.0	6.0	6.0
1/2"	15.0	68.0	42.0	72.0	9.0	135.0	32.0	36.0	42.0	9.0	6.0	6.0
3/4"	20.0	73.0	49.0	80.0	9.0	135.0	35.0	36.0	42.0	9.0	6.0	6.0
1"	25.0	85.0	58.0	90.0	11.0	170.0	42.5	42.0	50.0	11.0	6.0	7.0
1-1/4"	32.0	94.0	63.0	95.0	11.0	170.0	47.5	42.0	50.0	11.0	6.0	7.0
1-1/2"	38.0	105.0	71.0	106.0	14.0	200.0	52.5	50.0	70.0	14.0	7.0	9.0
2"	50.0	125.0	78.0	113.0	14.0	200.0	62.5	50.0	70.0	14.0	7.0	9.0
2-1/2"	63.5	155.0	101.5	150.0	17.0	300.0	77.5	70.0	102.0	17.0	9.0	11.0
3"	76.0	173.0	109.0	159.0	17.0	300.0	86.5	70.0	102.0	17.0	9.0	11.0

**TEMPERATURE CHART**

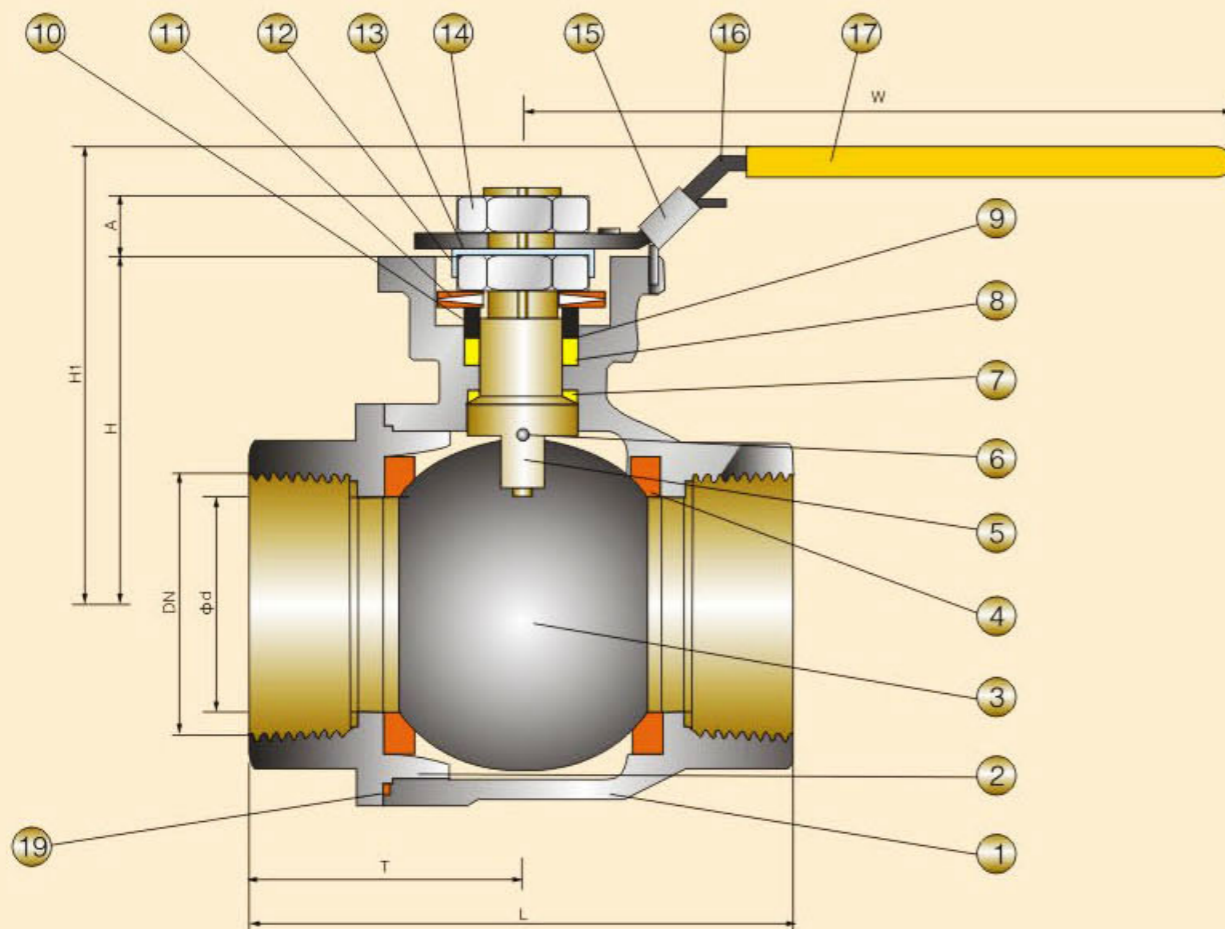


**MAIN PARTS AND MATERIALS**

NO.	Parts description	Material
1	Body	CF8M CF8 WCB
2	Cap	CF8M CF8 WCB
3	Ball body	316 304
4	Seat	PTFE, PPL
5	Stem	316 304 2Cr13
6	Anti-Static	304
7	Thrust Washer	PTFE
8	Packing	PTFE
9	Transition Washer	RPTFE, Flexible graphite
10	Packing ring	304
11	Bellivel Washer	304
12	Nut	304
13	Stop-lock cap	304
14	Handle Nut	304
15	Lock Device	304
16	Handle	304
17	Handle sleeve	塑料 Plastics
18	Stop bolt	304
19	Body Gasket	PTFE

**SPECIFICATIONS**

Working Pressure:  
 1000WOG(Class 400), PN 64  
 2000WOG(Class 800), PN 130  
 Temperature Range: -20 - 300°C  
 Suitable medium: Water, oil, air and some  
 Corrsive liquid  
 Thread type: G.NPT BSPT.BSP DIN 259/2999



## V-TYPE PNEUMATIC BALL VALVE

Connection: Flanged/Wafer

### 产品特点 SPECIFICATIONS

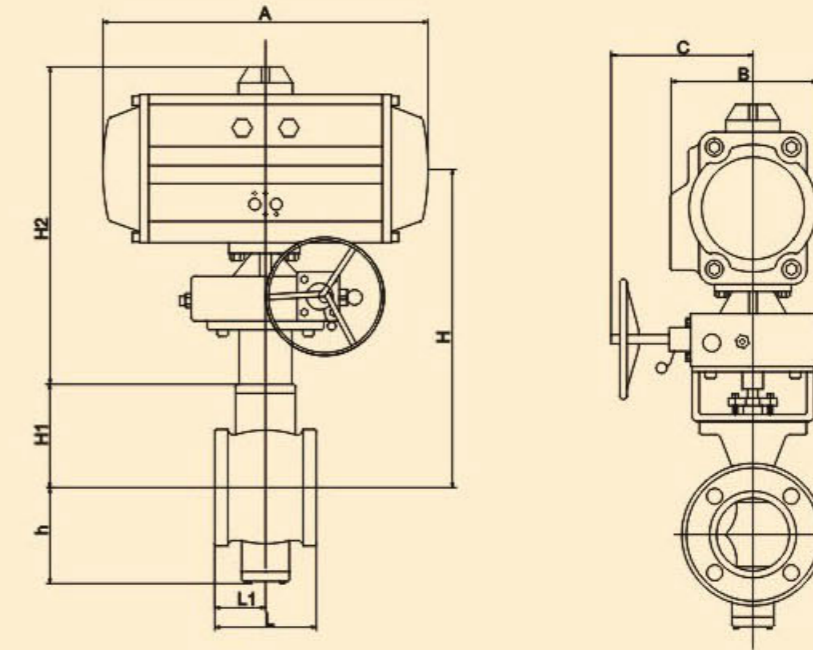
- ◆ Wafer size: 1"~12" (DN15~DN300)
- ◆ Flange end size: 1"~20" (DN15~DN500)
- ◆ ISO 5211 ACTUATOR MOUNTING
- ◆ Blow Out-proof stem design
- ◆ Ball: V-type
- ◆ Body: WCB/CF8/CF8M
- ◆ Ball: SS316
- ◆ Stem: SS316
- ◆ Seat: PTFE



### OPTIONS

- ◆ Pneumatic/Electrical/Actuator
- ◆ Solenoid Valve
- ◆ Limit Switch Box
- ◆ Positioner
- ◆ Atr Source Treatment

Size	Body Material	Trim Material	Valve Seat	Connection Style
1" ~12"	Carbon steel	316	PTFE	FLanged/Wafer
1" ~12"	304	316	PTFE	FLanged/Wafer



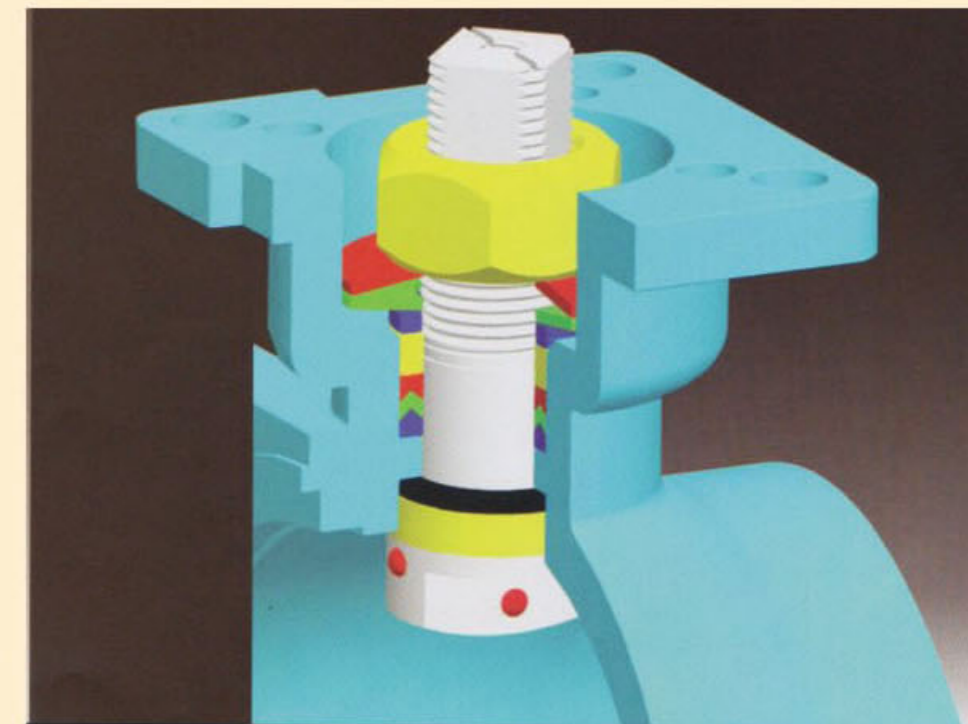
DN	L		H1	h	Wafer		Flanged		A	B	C	Air supply connection
	PN1.6 ANSI150	PN1.6 ANSI150			Without handwheel	With handwheel	Without handwheel	With handwheel				
	PN4.0 ANSI300	PN4.0 ANSI300										
DN25	102	57	126	64	174	252	310	392	290	117	190	1/8"
					183	280	335	428				302
DN32	114	64	135	64	174	252	310	392	290	117	190	1/8"
					183	280	335	428				302
DN40	114	64	135	75	183	280	335	428	302	155	225	1/4"
					186	279	375	468				375
DN50	124	57	151	111	183	280	335	428	302	155	225	1/4"
					186	279	375	468				375
DN65	165	87	130	117	186	279	375	468	375	180	225	1/4"
					263	371	460	568				432
DN80	165	87	130	117	186	279	375	468	375	180	225	1/4"
					263	371	460	568				432
DN100	194	92	141	133	263	371	460	568	432	210	233	3/8"
					290	398	500	608				500
DN125	256	109	164	151	290	398	500	608	500	240	233	3/8"
					420	544	590	724				590
DN150	229	119	164	151	420	544	590	724	590	270	277	1/2"
					420	544	590	724				590
DN200	243	119	232	184	420	544	590	724	590	270	277	1/2"
					490	624	610	744				592
DN250	297	151	260	220	514	648	595	729	698	325	277	3/4"
					615	749	750	884				940
DN300	338	174	302	292	514	648	595	729	698	325	277	3/4"
					615	749	750	884				940

I-PC BODY ISOSZII DIRECT MOUNTING PAD  
FLANG END WAFER FLOATING BALL VALVE

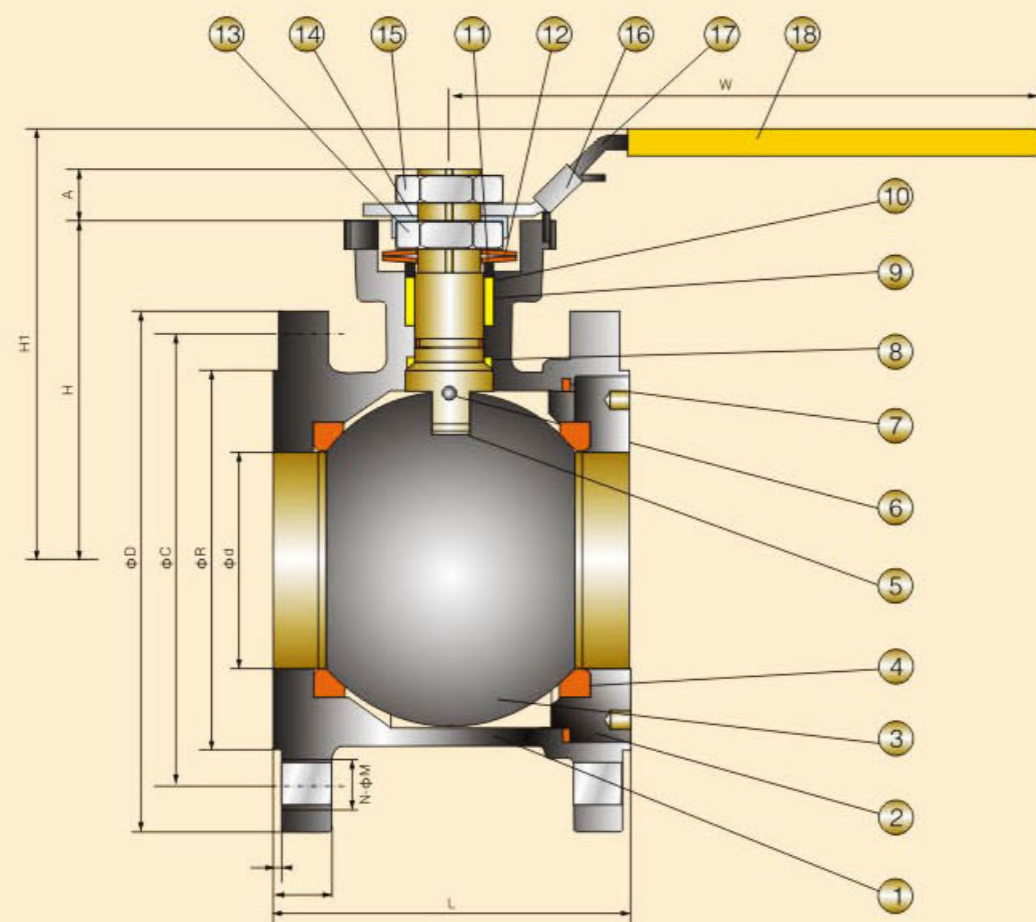
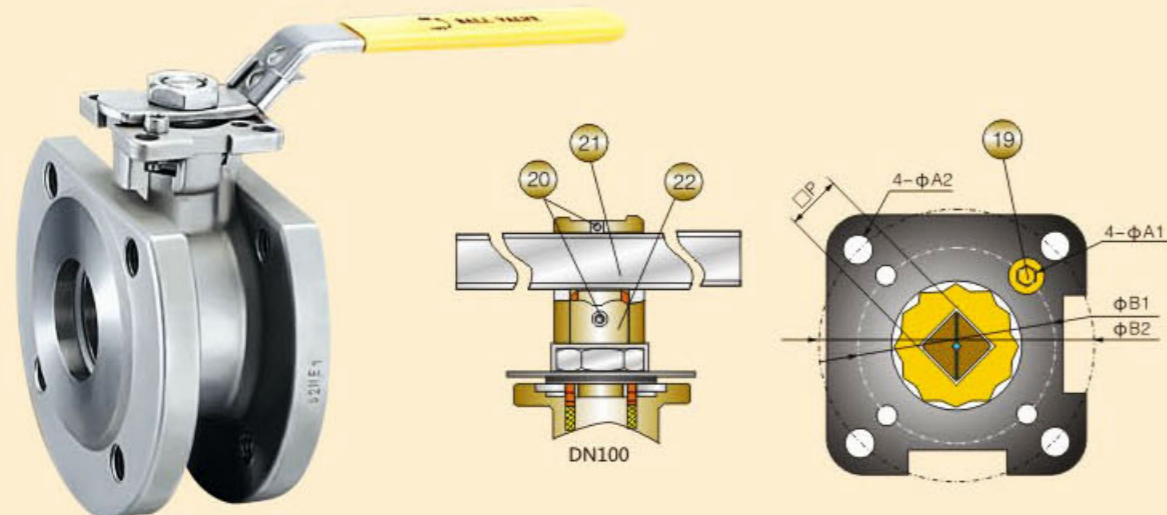
Connection: Flanged/Wafer



- ◆ Fire Safe Design and Construction
- ◆ Built-in ISO 5211 Direct Mounting Pad for Easy Automation
- ◆ Anti-static Devices for Ball-stem body
- ◆ Blow-out Proof Stem
- ◆ Double Stem Sealing to Comply with TA-LUFT Requirements
- ◆ Pre-Load 2 Belleville Washer to Self-adjust Packing



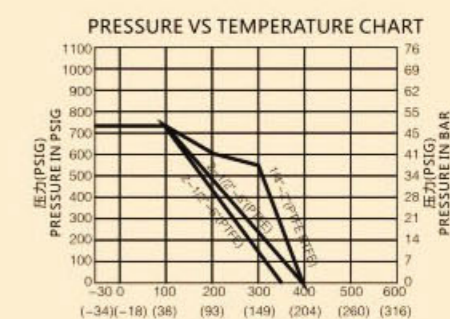
## 1-PC BODY ISOSZII DIRECT MOUNTING PAD FLANG END WEFER FLOATING BALL VALVE



## Dimension table

SIZE	φd	φR	φC	φD	f	T	L	H1	H	A	P	N	φM	W	φA1	φA2	φB1	φB2
DN15 1/2"	15	45	65	96	2	14	42	77	46	9	9	4	M12	135.0	6	6	36	42
DN20 3/4"	20	55	75	105	2	14	44	85	51	9	9	4	M12	135.0	6	7	36	42
DN25 1"	25	65	85	115	2	14	50	94	62	11	11	4	M12	170.0	6	7	42	50
DN32 1-1/4"	32	78	100	135	2	16	60	104	72	11	11	4	M16	170.0	6	9	42	50
DN40 1-1/2"	38	85	110	145	3	16	65	114	78	14	14	4	M16	200.0	7	9	50	70
DN50 2"	50	100	125	160	3	16	80	120	86	14	14	4	M16	200.0	7	9	50	70
DN65 2-1/2"	63.5	120	145	180	3	18	110	158	108	17	17	4	M16	300.0	9	11	70	102
DN80 3"	76	135	160	195	3	20	120	165	116	17	17	8	M16	300.0	9	11	70	102
DN100 4"	95	155	180	215	3	20	150	182	139	22	22	8	M16	400.0	NON	11	NON	102
DN125 5"	118	185	210	245	3	22	180	224	176	27	27	8	M16	500.0	14	NON	125	NON
DN150 6"	142	210	240	280	3	24	225	268	192	27	27	8	M20	800.0	14	NON	125	NON

## TEMPERATURE CHART



## MAIN PARTS AND MATERIALS

NO.	Parts description	Material
1	Body	CF8M CF8 WCB
2	Cap	CF8M CF8 WCB
3	Ball body	316 304
4	Seat	PTFE, PPL
5	Stem	316 304 2Cr13
6	Anti-Static	304
7	Body Gasket	PTFE
8	Thrust Washer	PTFE
9	Packing	RPTFE, Flexible graphite
10	Transition Washer	304
11	Packing ring	304
12	Bellivel Washer	304
13	Nut	304
14	Stop-lock cap	304
15	Handle Nut	304
16	Lock Device	304
17	Handle	304
18	Handle sleeve	Plastics
19	Stop bolt	304
20	Set Screwed	304
21	Handle	304
22	Handle Adapter	CF8

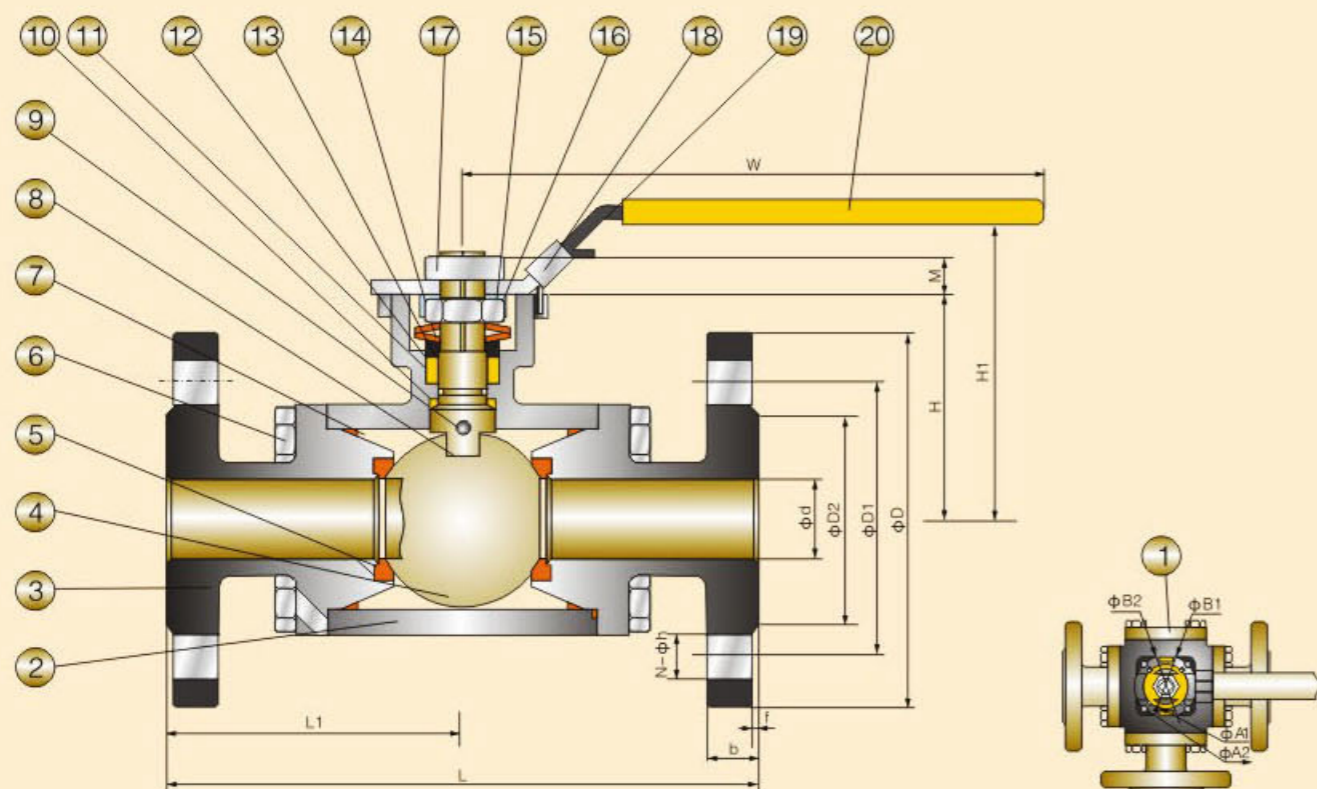
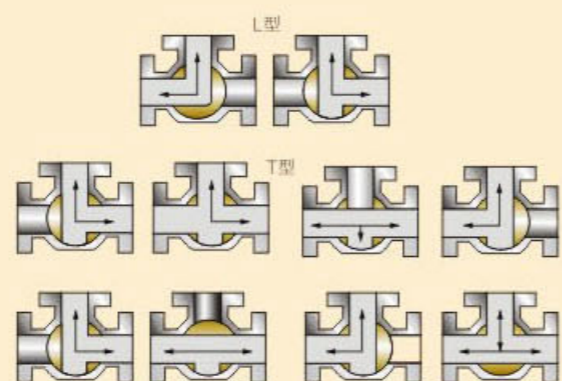
## SPECIFICATIONS

Working Pressure: 1.6~4.0MPa  
 Temperature Range: -20 ~ 300°C  
 Suitable medium: Water, oil, air and some  
 Corrsive liquid  
 Design: GB/T12237/1989  
 End Flange: JB79  
 Fire Safe: API 607 4th1993  
 Inspection & Testing: GB/T13927-1992

### 3-WAY BODY, FLANGE END, ISOSZII DIRECT MOUNTING PAD FLOATING BALL VALVE



SCHEMATIC DIAGRAMM OF MEDIA FLOW DIRECTION



### Dimension table

NO.	Parts description	Material		
1	End Cap	CF8M	CF8	WCB
2	Body	CF8M	CF8	WCB
3	Cap	CF8M	CF8	WCB
4	Ball body	316	304	
5	Seat	PTFE、PPL		
6	Screw	A193-B8		A193-B7
7	Body Gasket	PTFE		
8	Stem	316	304	2Cr13
9	Anti-Static	304		
10	Thrust Washer	PTFE		
11	Packing	PTFE		
12	Transition Washer	RPTFE、Flexible graphite		
13	Packing Ring	304		
14	Bellivel Washer	304		
15	Nut	304		
16	Stop-lock Cap	304		
17	Hand Nut	304		
18	Lock Device	304		
19	Handle	304		
20	Handle sleeve	304		

◆ Any port of three-way ball valve can be used as inlet without leakage, and also can be made into L-Port or T-Port passage according to the demand of operating condition, to facilitate the installation.

◆ It's unnecessary to remove the whole valve body for check and main-tenance upon the decompression of system.

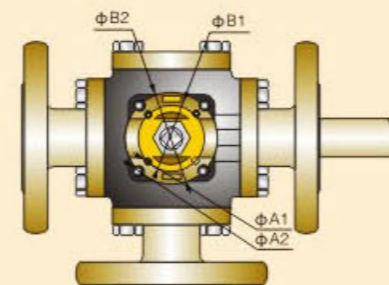
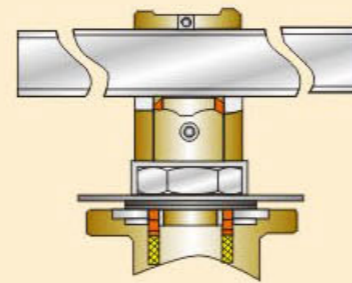
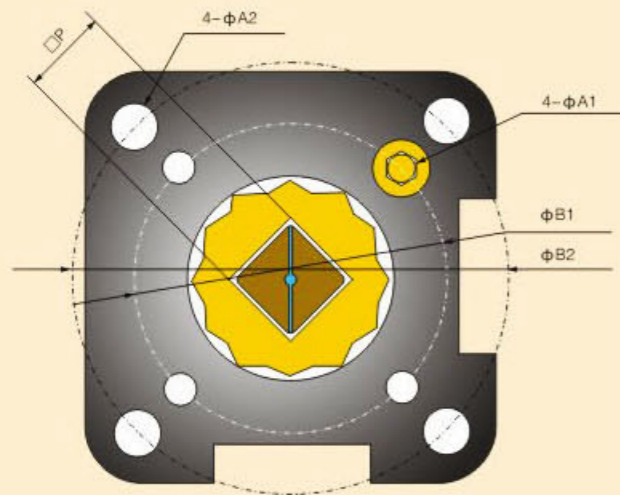
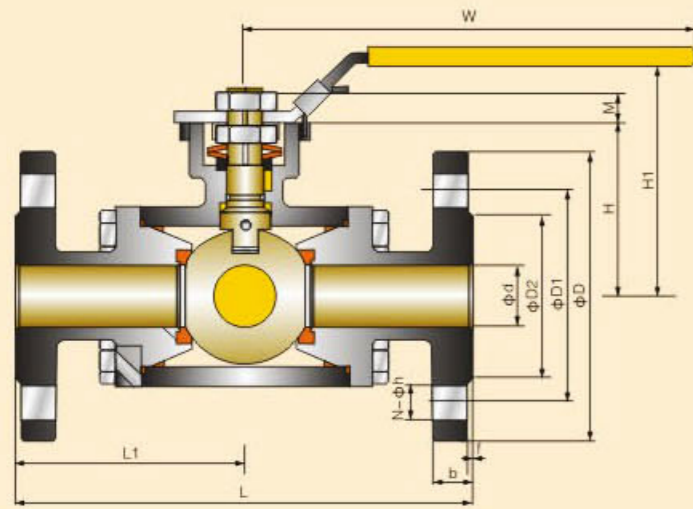
◆ Three-way ball valve can be sorted into L-Port and T-Port. L-Port is applicable for flow direction switchover to connect two orthogonal passages. T-Port is applicable for shunting, interflow or flow direction switchover.

◆ The sealing three-way ball valve with two seats is of compact struncture, beautiful appearance and good sealing performance, and can switch over the flow direction of the media in the piping and also connect or close two orthogonal passages.

◆ The sealing three-way ball valve with four seats is of beautiful appearance and reasonable structure, and can switch over the flow direction of the meida in the pipeline, connect three passages, and also can close any one passage and connect the other two, realizing flexible control of shunting or interflow of media in the pipeline,

**GB SERIES PN16/PN40**

**3-WAY BODY, FLANGE END, ISOSZII DIRECT MOUNTING PAD FLOATING BALL VALVE**



**Dimension Table**

**PN1.6MPa**

DN(mm)	L	L1	D	D1	D2	D6	b	f	f1	N-φh	W	M	H	H1	P	A1	A2	B1	B2
15	150	75	95	65	45	-	14	2	-	4-14	135.0	9.0	53.0	83.0	9.0	6.0	6.0	36.0	42.0
20	160	80	105	75	58	-	14	2	-	4-14	135.0	9.0	58.5	88.5	9.0	6.0	6.0	36.0	42.0
25	180	90	115	85	65	-	14	2	-	4-14	170.0	11.0	70.0	104.0	11.0	6.0	7.0	42.0	50.0
32	200	100	135	100	78	-	16	2	-	4-18	170.0	11.0	77.5	111.5	11.0	6.0	7.0	42.0	50.0
40	220	110	150	110	85	-	16	3	-	4-18	200.0	14.0	86.5	120.5	14.0	7.0	9.0	50.0	70.0
50	240	120	160	125	100	-	16	3	-	4-18	200.0	14.0	92.0	126.0	14.0	7.0	9.0	50.0	70.0
65	260	130	180	145	120	-	18	3	-	4-18	300.0	17.0	107.0	155.0	17.0	9.0	11.0	70.0	102.0
80	280	140	195	160	135	-	20	3	-	8-18	300.0	17.0	119.0	167.0	17.0	9.0	11.0	70.0	102.0
100	320	160	215	180	155	-	20	3	-	8-18	400.0	22.0	150.0	214.0	22.0	non	11.0	non	102.0

**PN2.5MPa**

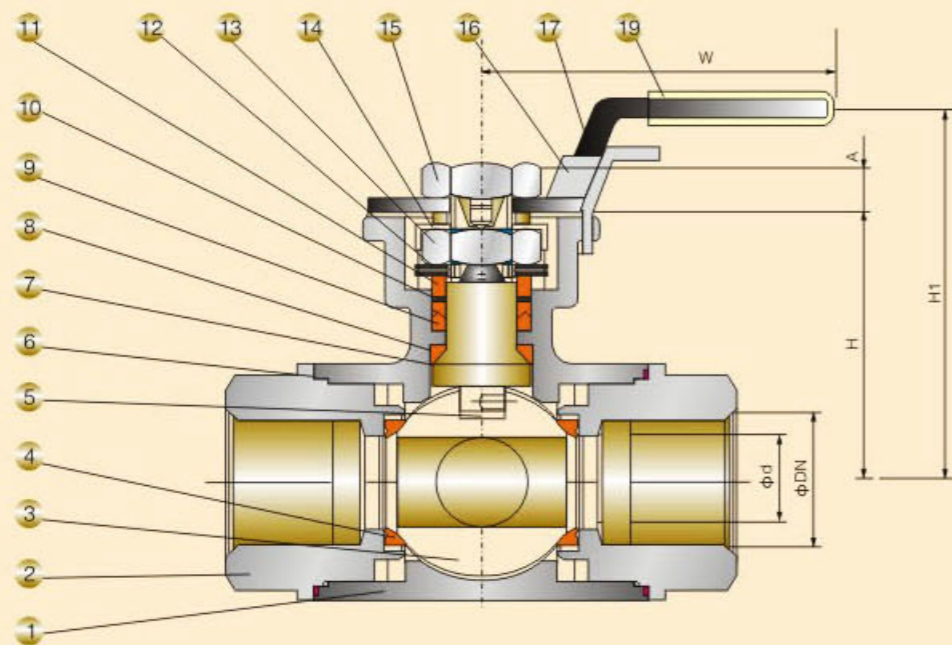
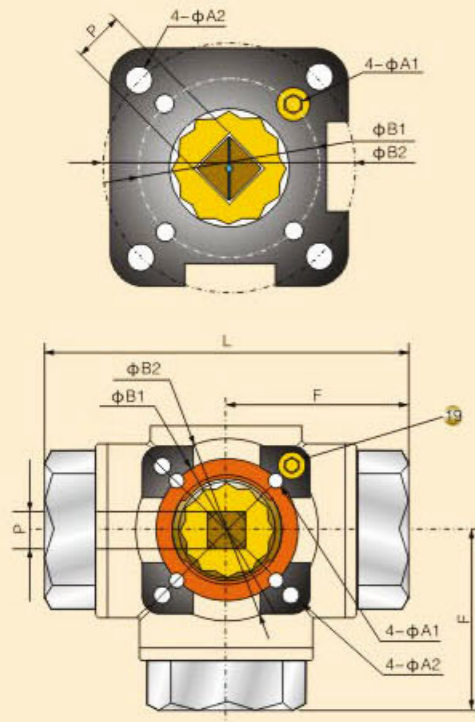
DN(mm)	L	L1	D	D1	D2	D6	b	f	f1	N-φh	W	M	H	H1	P	A1	A2	B1	B2
15	150	75	95	65	45	-	14	2	-	4-14	135.0	9.0	53.0	83.0	9.0	6.0	6.0	36.0	42.0
20	160	80	105	75	58	-	14	2	-	4-14	135.0	9.0	58.5	88.5	9.0	6.0	6.0	36.0	42.0
25	180	90	115	85	65	-	16	2	-	4-14	170.0	11.0	70.0	104.0	11.0	6.0	7.0	42.0	50.0
32	200	100	135	100	78	-	18	2	-	4-18	170.0	11.0	77.5	111.5	11.0	6.0	7.0	42.0	50.0
40	220	110	145	110	85	-	18	3	-	4-18	200.0	14.0	86.5	120.5	14.0	7.0	9.0	50.0	70.0
50	240	120	160	125	100	-	20	3	-	4-18	200.0	14.0	92.0	126.0	14.0	7.0	9.0	50.0	70.0
65	260	130	180	145	120	-	22	3	-	8-18	300.0	17.0	107.0	155.0	17.0	9.0	11.0	70.0	102.0
80	280	140	195	160	135	-	22	3	-	8-18	300.0	17.0	119.0	167.0	17.0	9.0	11.0	70.0	102.0
100	320	160	230	180	160	-	24	3	-	8-23	400.0	22.0	150.0	214.0	22.0	non	11.0	non	102.0

**PN4.0MPa**

DN(mm)	L	L1	D	D1	D2	D6	b	f	f1	N-φh	W	M	H	H1	P	A1	A2	B1	B2
15	150	75	95	65	45	-	14	2	-	4-14	135.0	9.0	53.0	83.0	9.0	6.0	6.0	36.0	42.0
20	160	80	105	75	58	-	14	2	-	4-14	135.0	9.0	58.5	88.5	9.0	6.0	6.0	36.0	42.0
25	180	90	115	85	65	58	16	2	4	4-14	170.0	11.0	70.0	104.0	11.0	6.0	7.0	42.0	50.0
32	200	100	135	100	78	66	18	2	4	4-18	170.0	11.0	77.5	111.5	11.0	6.0	7.0	42.0	50.0
40	220	110	145	110	85	76	18	3	4	4-18	200.0	14.0	86.5	120.5	14.0	7.0	9.0	50.0	70.0
50	240	120	160	125	100	88	20	3	4	4-18	200.0	14.0	92.0	126.0	14.0	7.0	9.0	50.0	70.0
65	260	130	180	145	120	110	22	3	4	8-18	300.0	17.0	107.0	155.0	17.0	9.0	11.0	70.0	102.0
80	280	140	195	160	135	121	22	3	4	8-18	300.0	17.0	119.0	167.0	17.0	9.0	11.0	70.0	102.0
100	320	160	230	180	160	150	24	3	4.5	8-23	400.0	22.0	150.0	214.0	22.0	non	11.0	non	102.0

## GB SERIES PN16/PN40

### 3-WAY BODY, SCREW END, ISOSZII DIRECT MOUNTING PAD FLOATING BALL VALVE



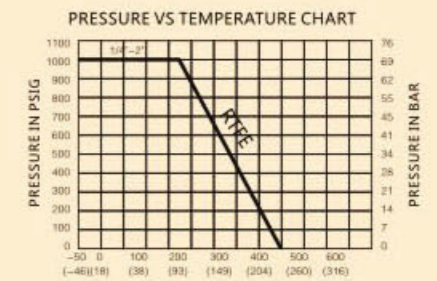
## Dimension Table

DN	Size	φd	L	F	H	H1	φB1	φB2	P	φA1	φA2	A	W	B	Screw Type
15	1/2"	11.0	79.0	39.5	42.0	70.0	42.0	36.0	9.0	6.0	6.0	9.0	135.0	27.0	NPT
20	3/4"	15.0	88.0	44.0	49.0	77.0	50.0	36.0	9.0	6.0	7.0	9.0	135.0	34.0	BSP
25	1"	20.0	108.0	54.0	59.5	87.0	50.0	42.0	11.0	6.0	7.0	11.0	170.0	41.0	PT
32	1-1/4"	25.0	124.0	62.0	63.0	93.0	70.0	42.0	11.0	6.0	9.0	11.0	170.0	50.0	DIN
40	1-1/2"	32.0	135.0	67.5	73.5	103.0	70.0	50.0	14.0	7.0	9.0	14.0	200.0	56.0	etc.
50	2"	40.0	164.0	82.0	82.5	113.0	70.0	50.0	14.0	7.0	9.0	14.0	200.0	70.0	

## MAIN PARTS AND MATERIALS

NO.	Parts description	Material
1	Body	CF8M / CF8 / WCB
2	Cap	CF8M / CF8 / WCB
3	Ball body	316 / 304
4	Seat	PTFE / PPL
5	Stem	316 / 304 / 2Cr13
6	Body Gasket	PTFE
7	Anti-Static	304
8	Thrust Washer	PTFE
9	Transition Washer	PTFE
10	Transition Washer	RPTFE, Flexible graphite
11	Packing ring	304
12	Bellivel Washer	304
13	Nut	304
14	Stop-lock cap	304
15	Handle Nut	304
16	Lock Device	304
17	Handle	304
18	Handle sleeve	Plastics
19	Stop bolt	304

## TEMPERATURE CHART PN1.6MPA



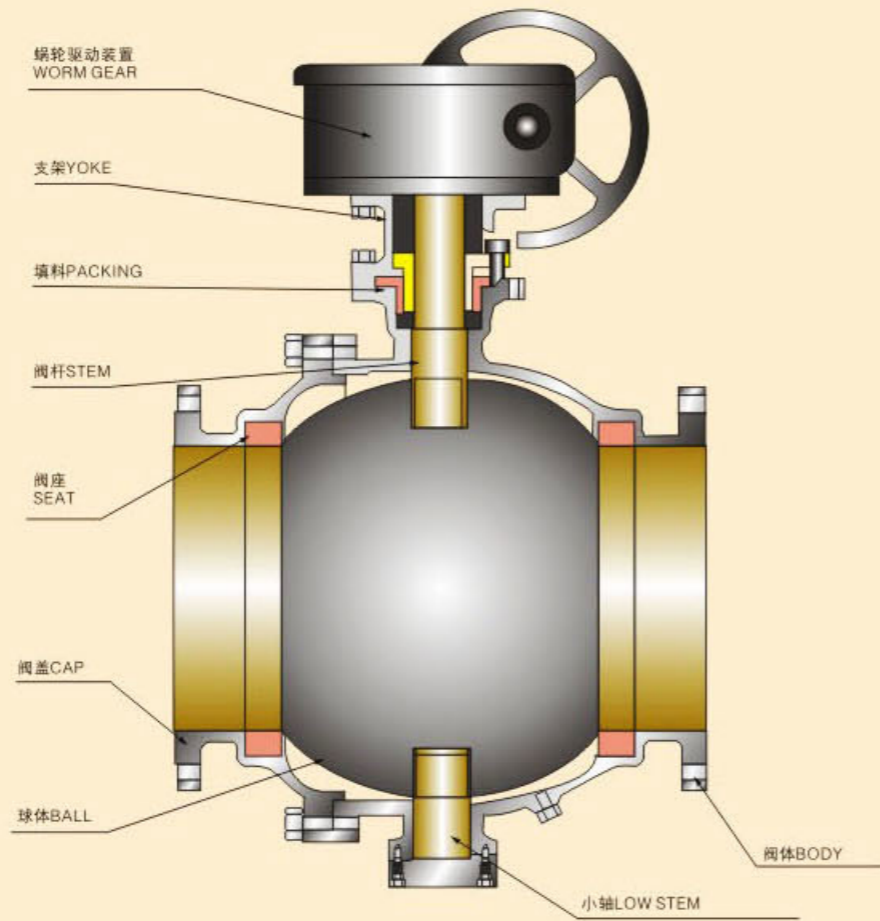
## SPECIFICATIONS

Working Pressure: 1000WOG(Class 400), PN64  
 Temperature Range: -20 ~ 250°C  
 Suitable medium: Water, oil, air and some Corrosive liquid  
 Thread type: G • NPT.BSPT.BSP DIN259/2999



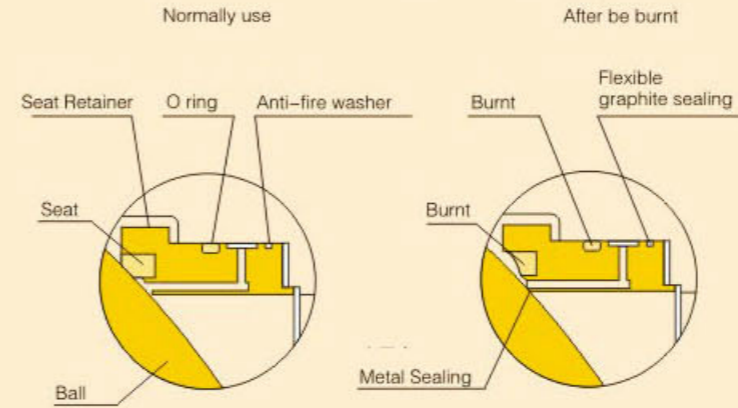
# TRUNNION MOUNTED BALL VALVE

# Structural Characteristics



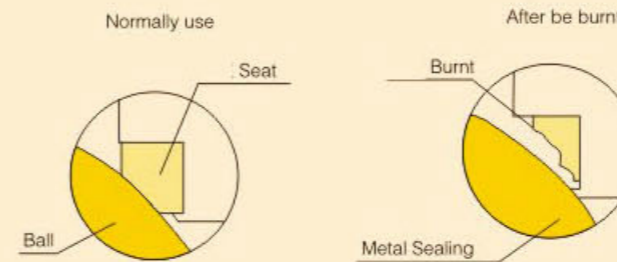
## 1、 FIRE SAFE

### TRUNNION BALL VALVE



When the trunnion ball valve be used normally, it sealed by seat and ball surface, seat retainer sealed by O-ring and body, these are soft sealed, reliable sealing. When the seat and O-ring are burnt, the seat retainer and ball will be metal to metal sealed directly, Also the seat retainer and body will be sealed by expanded graphite, thus act the anti-fire purpose.

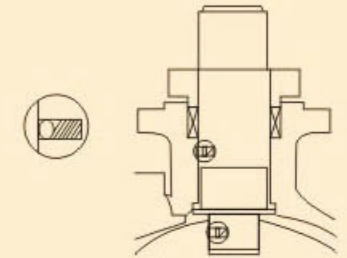
### FLOTING BALL VALVE



When the floating ball valve is used normally, it sealed by seat and ball reliably. When the seat is burnt, the body moved and metal to metal sealed with ball directly, thus act the anti-fire purpost.

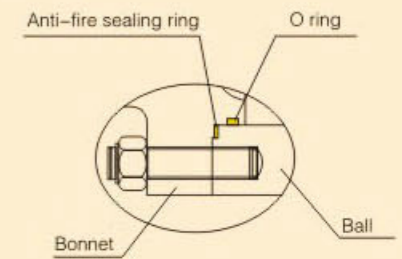
In order to act anti-fire safe, the valve other connective position all have the anti-fire sealing ring.

## 2、 ANTI-STATIC DEVICE



In order to prevent friction between ball and stem and PTFE that generates static electricity which may light the combustibles and explosives that cause and accident, in this ball valve, static-conduction spring is set between the stem and the ball, the stem and the bldy. Thus static electricity is conducted to ground and system safety is secured.

## 3、 SEALED CONSTRUCTION OF VALVE BODY FREE OF BODY LEAKAGE

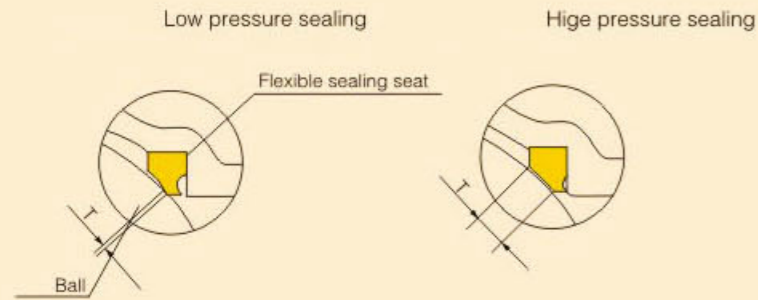


The connective position of valve body and bonnet is double sealed by gasket and O-ring, on this base, such factors as fire, high temperature, shock and uneven opening or closing of the torque all can't induce external leakage.

# TRUNNION MOUNTED BALL VALVE

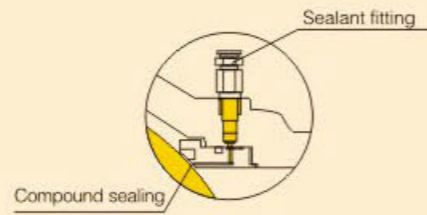
## Structural Characteristics

### 4、 SPECIAL SEAT STRUCTURE



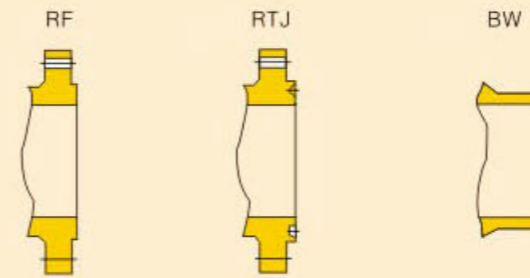
With years of manufacturing experience, double sealed structure of elastic seat was designed. When the pressure going up, the T value will be increased continuously, it will act good sealing performance under the condition of low pressure, high pressure and vacuum.

### 5、 EMERGENCY SEALING(FOR TRUNNION BALL VALVE ONLY)



When the sealing of stem or seat is damaged to induce leakage, the compound can be used to do the secondary sealing.

### 9、 VARIOUS END CONNECTIONS

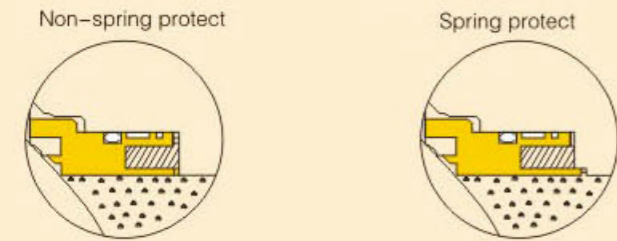


KAXITE valve can offer various connection: RE, RTJ, BW, NPT, Wafer, etc.

### 10、 LOW TORQUE IN OPERATION

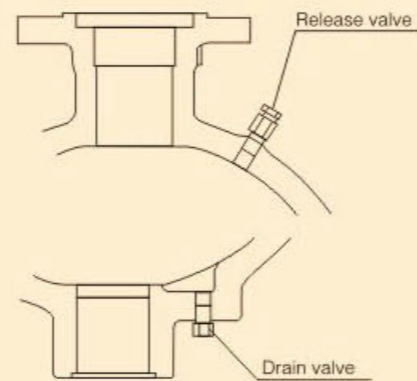
The self-lubricated bearings are installed at the friction of stem, resulting in wear resistance, flexibility of operation and low torque.

### 6、 SEAT SPRING PROTECTIVE STRUCTURE (FOR TRUNNION BALL VALVE ONLY)



With the spring protection, the impurity can't enter into spring hole, thus protect the spring from impurity.

### 8、 DOUBLE BLEED (FOR TRUNNION BALL VALVE ONLY)



KAXITE valve is installed NPT drain valve and release valve, it can be released pressure and cleaned during the operation of valve.

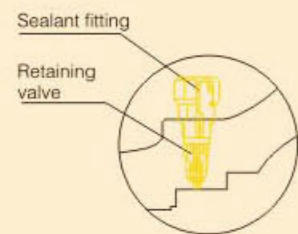
### 11、 VARIOUS DRIVING METHODS

The valve top mounting pad dimension is designed according to ISO 5211, which is convenient for connection and exchange of various driving. The common driving types are manual, worm gear, pneumatic, electrical, hydraulic.

### 12、 EXTENSION STEM

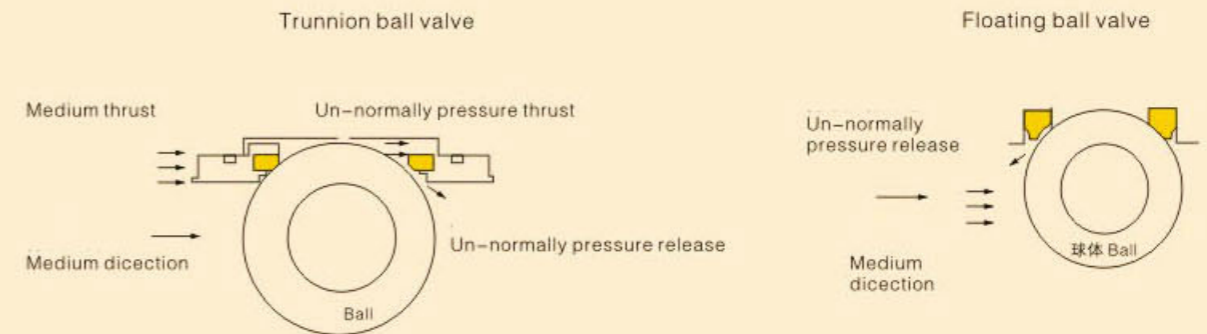
For the underground installed valve, the stem can be lengthened and for the convenience of operation, the corresponding compound injection nozzle, drainage valve and release valve can be extended to the top of the valve.

### 7、 DOUBLE BLOCK(FOR TRUNNION BALL VALVE ONLY)



Retaining valve is installed in front of sealant fitting, double sealing, reliable sealant, the body safety is secured.

### 13、 AUTOMATIC CAVITY RELIEF

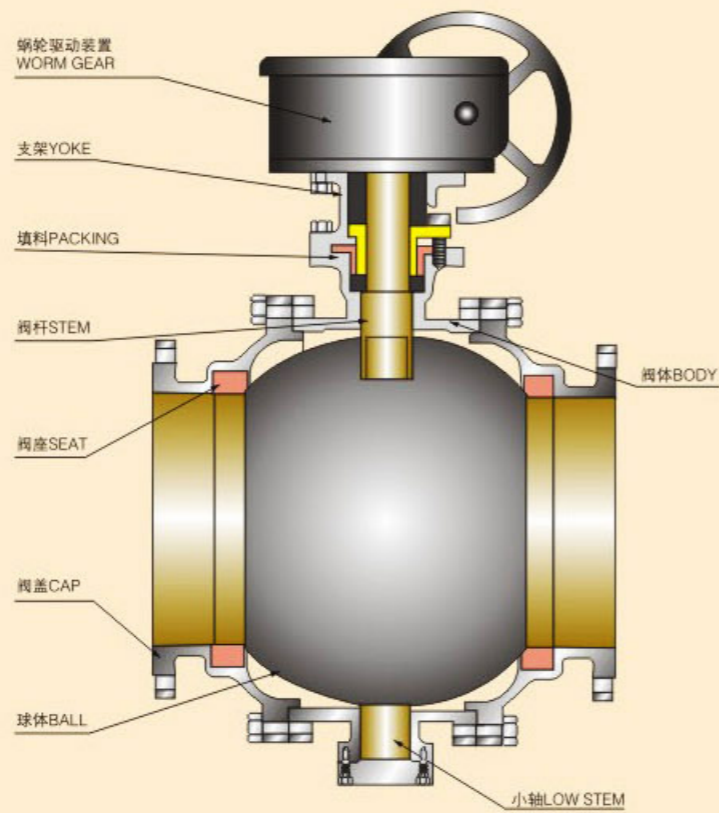


When the body pressure going up un-normally as the unstable factor, the trunnion ball valve downstream seat will be pushed by un-normally pressure, and release the un-normally pressure automatically, it doesn't damage to the sealing of upstream seat. The un-normally Pressure which in the floating ball valve body will release the pressure into the upstream pipe directly, it doesn't damage to the sealing of the downstream seat.

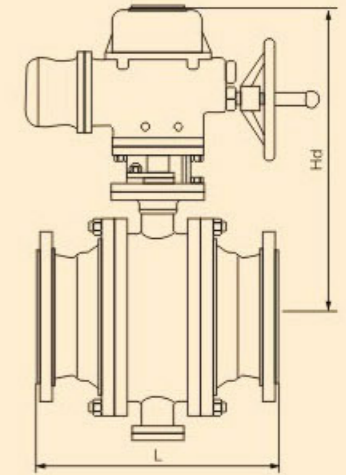
# 固定球阀

## TRUNNION MOUNTED BALL VALVE

### Applicable Standards



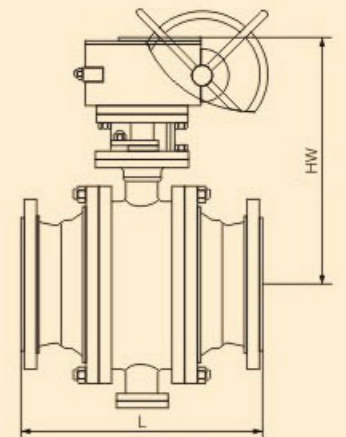
Design: GB/T12237-1989 API608
Face to Face: GB/T12221-1989 ASME/ANSI B16.10
End Flange: JB/T79.1-2-1994 ASME/ANSI B16.5
Inspection & Testing: GB/T13927-1992 API598



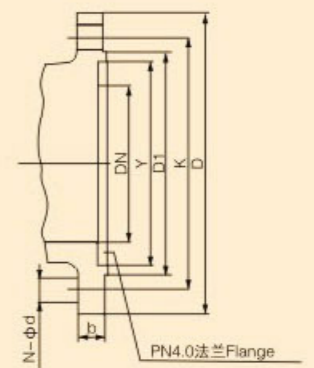
Ball valve with electric actuator

### MAIN PARTS AND MATERIALS

Body, Bonnet	GB ASTM	WCB A216 WCB	ZG1Cr18Ni19Ti	ZG1Cr12Ni12Mo2Ti CF8M
Ball body	GB ASTM	2Cr13 420+HF	1Cr18NiTi 304+HF	0Cr18Ni12Mo2Ti 316+HF
Stem	GB ASTM	2Cr12 420	1Cr18Ni9Ti 304	1Cr18Ni9Ti12Mo2Ti 316
Seat	GB ASTM	2Cr13/PTFE 420/PTFE	1Cr18Ni9Ti/PTFE 304/PTFE	0Cr18Ni12Mo2Ti/PTFE 316/PTFE
Packing	GB ASTM	PTFE Flexible graphite PTFE Flexible graphite	PTFE Flexible graphite PTFE Flexible graphite	PTFE Flexible graphite PTFE Flexible graphite
Bolt	GB ASTM	35 A193 B7	0Cr18Ni9 A320-B8	0Cr18Ni9 A320-B8
Nut	GB ASTM	45 A194 2H	0Cr18Ni9 A194-8	0Cr18Ni9 A194-8



Ball valve gear box



PN4.0法兰 Flange

## TRUNNION MOUNTED BALL VALVE

## API Series main connection size

### JB Series main connection size

### PN1.6MPa

公称通径 DN(mm)	L	D	K	D1	Y	b	N-φd	Ws	Hs	Hw	Hd
150	394	285	240	210	-	24	8-23	1000	305	470	540
200	457	340	295	265	-	26	12-23	-	-	520	580
250	533	405	355	320	-	30	12-25	-	-	610	640
300	610	460	410	375	-	30	12-25	-	-	650	690
350	686	520	470	435	-	34	16-25	-	-	740	785
400	762	580	525	485	-	36	16-30	-	-	795	830
450	864	640	585	545	-	40	20-30	-	-	860	910
500	914	715	650	608	-	44	20-34	-	-	945	990
600	1067	840	770	718	-	48	20-41	-	-	1040	1090
700	1245	910	840	788	-	50	24-41	-	-	1150	1210

### PN2.5MPa

公称通径 DN(mm)	L	D	K	D1	Y	b	N-φd	Ws	Hs	Hw	Hd
150	403	300	250	218	-	30	8-25	1000	305	470	555
200	502	360	310	278	-	34	12-25	-	-	540	595
250	568	425	370	332	-	36	12-30	-	-	630	655
300	648	485	430	390	-	40	16-30	-	-	650	705
350	762	555	490	448	-	44	16-34	-	-	740	795
400	838	620	550	505	-	48	16-34	-	-	795	830
450	914	670	600	555	-	50	20-34	-	-	860	910
500	991	730	660	610	-	52	20-41	-	-	945	990
600	1143	845	770	718	-	56	20-41	-	-	1040	1090
700	1346	960	875	815	-	60	24-48	-	-	1150	1210

### PN4.0MPa

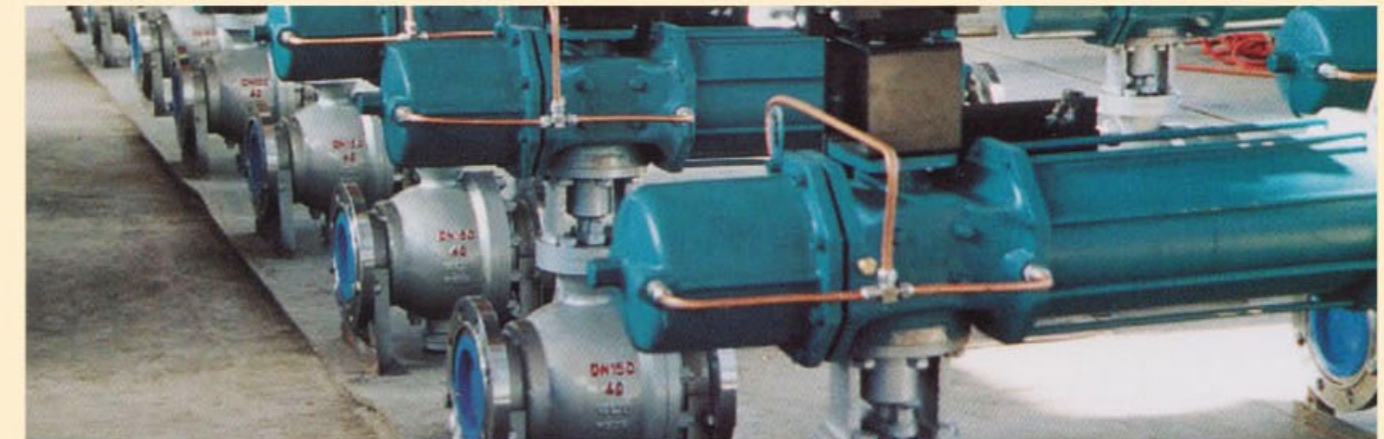
公称通径 DN(mm)	L	D	K	D1	Y	b	N-φd	Ws	Hs	Hw	Hd
150	403	300	250	218	204	30	8-25	1200	360	485	590
200	502	375	320	282	260	38	12-30	-	-	580	640
250	568	450	385	345	313	42	12-34	-	-	665	680
300	648	515	450	408	364	46	16-34	-	-	760	810
350	762	580	510	465	422	52	16-34	-	-	820	890
400	838	660	585	535	474	58	16-41	-	-	860	940
450	914	685	610	560	524	60	20-41	-	-	930	1010
500	991	755	670	612	576	62	20-48	-	-	980	1130
600	1143	890	795	730	578	62	20-54	-	-	1040	1090
700	1346	995	900	835	768	68	24-54	-	-	1150	1210

### Class 150Lb

NPS (in)	L	D	K	D1	Y	b	N-φd	Ws	Hs	Hw	Hd
6"	394	279	241.5	216	-	26	8-22	1000	305	470	540
8"	457	343	298.5	270	-	29	8-22	-	-	520	580
10"	533	406	362	324	-	31	12-25	-	-	610	640
12"	610	483	432	381	-	32	12-25	-	-	650	690
14"	686	533	476	413	-	35	12-29	-	-	740	785
16"	762	597	540	470	-	37	16-29	-	-	795	830
18"	864	635	578	533	-	40	16-32	-	-	860	910
20"	914	699	635	584	-	43	20-32	-	-	945	990
24"	1067	813	749.5	692	-	48	20-35	-	-	1040	1090
28"	1245	927	864	800	-	71	28-35	-	-	1150	1210

### Class 300Lb

DN(mm)	L	D	K	D1	Y	b	N-φd	Ws	Hs	Hw	Hd
6"	403	318	270	216	-	37	12-22	1000	305	485	590
8"	502	384	330	270	-	42	12-25	-	-	580	640
10"	568	445	387.5	324	-	48	16-29	-	-	665	680
12"	648	521	451	381	-	51	16-32	-	-	760	810
14"	762	584	514.5	413	-	54	20-32	-	-	820	890
16"	838	648	571.5	470	-	58	20-35	-	-	860	940
18"	914	711	628.5	533	-	61	24-35	-	-	930	1010
20"	-	-	-	-	-	-	-	-	-	-	-
24"	-	-	-	-	-	-	-	-	-	-	-
28"	-	-	-	-	-	-	-	-	-	-	-



## ORDER NOTICE

Respectful customers

Please place and order according to the listed models in this catalogue while choosing the products are made by our factory. If have other special requirements pls indicate in the order:

Flange standard	Flange sealing surface mode and relative dimensions
Face to face	Inspection & testing standard requirement
Working temperature	Working medium
Installation environment	Material of the body and trim
Fire safe and Anti-static requirement	Whether valve stem extension or not
Valve open-closed frequency	Special requirement for drive

### STORE, INSTALLATION, MAINTENANCE AND USE OF BALL VALVE

- ◆ Ball valve shall be stored inside dry and ventilated room and kept completely closed and its both sides sealed with sealing cover.
- ◆ Check whether the valve opening and closing is abnormal or not before installation.
- ◆ Check whether the mark and operating condition of valve accord with the on-site requirement before installation.
- ◆ Clean the inside of valve until have not objects before installation.
- ◆ Ball valve is installed at any position of pipeline. The flow direction of the medium that have flow direction mark Shall be the same as that indicated by the arrow.
- ◆ In order to prolong the service life of ball valve that shall be kept full open or closed in the pipeline. It can not use for adjusting flow

