

TWO-PIECE BALL VALVE BC33 Series

– JIS 20K Flange End – With Mounting Pad

Technical Data

- ISO 5211 Mounting Pad
- Blow-Out proof stem/full port
- Investment Casting Body
- Lever operated & Gear operated

Face to Face Dimension: JIS B2002

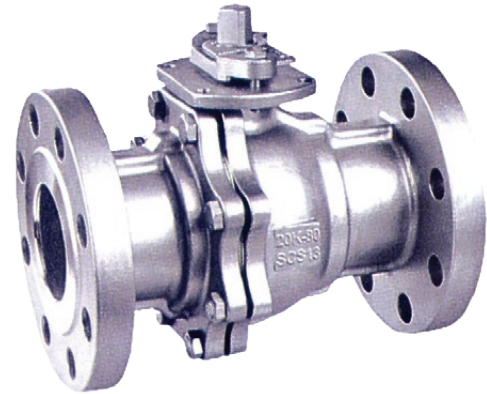
End Flange Dimension: JIS B2220

Design: ANSI B16.34

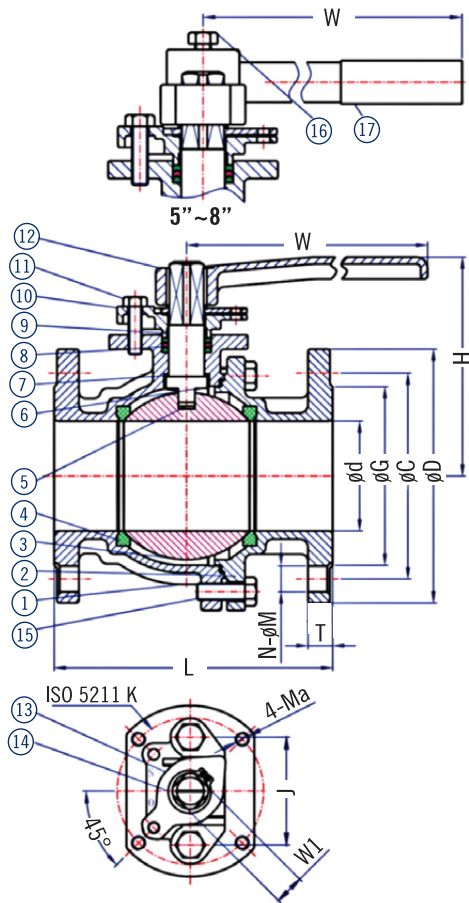
Valves inspected and tested according to JIS B2003 standard

Test Pressure

SHELL (by water)		5.1 MPa
		52 kg/cm ²
SEAT	BY WATER	3.8 MPa
		39 kg/cm ²
	BY AIR	0.6 MPa
		6 kg/cm ²



Dimensions



unit=mm

Size	d	D	C	G	T	N- ϕ M	L	H	W	W1	J	ISO 5211	K	Ma	Max. TORQUE (Inch/Lbs)
1/2"	15	95	70	51	14	4- ϕ 15	140	72	160	12	50	F04	42	M5	159
3/4"	20	100	75	56	16	4- ϕ 15	152	74	160	12	50	F04	42	M5	195
1"	25	125	90	67	16	4- ϕ 19	165	82	160	12	50	F05	50	M6	230
1 1/2"	40	140	105	81	18	4- ϕ 19	190	104	186	17	62	F07	70	M8	283
2"	50	155	120	96	18	8- ϕ 19	216	114	186	17	62	F07	70	M8	336
2 1/2"	65	175	140	116	20	8- ϕ 19	241	142	324	21	75	F07	70	M8	416
3"	80	200	160	132	22	8- ϕ 23	283	155	324	21	75	F10	102	M10	513
4"	100	225	185	160	24	8- ϕ 23	305	169	324	21	75	F10	102	M10	885
5"	125	270	225	195	26	8- ϕ 25	381	224	750	24	89	F12	125	M12	1328
6"	150	305	260	230	28	12- ϕ 25	403	247	750	24	89	F12	125	M12	2832
8"	200	350	305	275	30	12- ϕ 25	502	305	1000	32	100	F12	125	M12	3540

Parts List & Material

Item	Parts Name	Material			Item	Parts Name	Material
1	Body	WCB	SCS13	SCS14	10	Gland	SCS13
2	Cap	WCB	SCS13	SCS14	11	Gland Bolt	SS304
3	Ball	SCS13	SCS13	SCS14	12	Handle	WCB
4	Seat		PTFE		13	Stopper	SS304
5	Stem	SS304	SS304	SS316	14	Snap Ring	SS304
6	Gasket		PTFE		15	Bolt	SS304
7	Thrust Washer		PTFE		16	Handle Bolt	SS304
8	Packing		PTFE		17	Plastic Cover	Plastic
9	Stem Packing		PTFE				

Ordering Information

BC33	Code	Material
↓	1	Carbon Steel– WCB
	2	Stainless Steel 304 / SCS13
	3	Stainless Steel 316 / SCS14
↓	Code	Connection Size (Flange rating ANSI 300LB)
	(A) 1/2" (B) 3/4" (C) 1" (D) 1 1/2" (E) 2" (F) 2 1/2"	
	(G) 3" (H) 4" (I) 5" (J) 6" (K) 8"	
BC33		Complete Ordering Code