

# TWO-PIECE BALL VALVE BC32 Series

## – JIS 10K Flange End – With Mounting Pad

### Technical Data

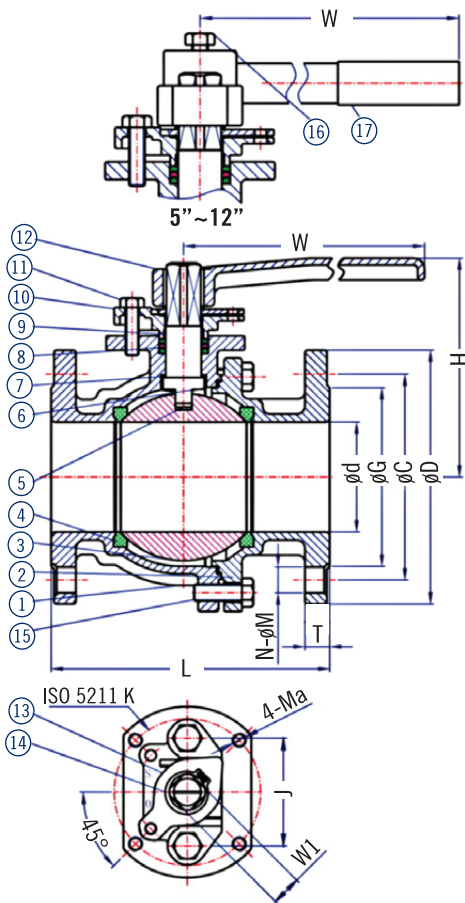
- ISO 5211 Mounting Pad
  - Blow-Out proof stem/full port
  - Investment Casting Body
  - Lever operated & Gear operated
- Face to Face Dimension: JIS B2002  
 End Flange Dimension: JIS B2220  
 Design: ANSI B16.34  
 Valves inspected and tested according to JIS B2003 standard



### Test Pressure

SHELL (by water)	2.1 MPa	
	21.5 kg/cm <sup>2</sup>	
SEAT	BY WATER	1.6 MPa
		16.5 kg/cm <sup>2</sup>
	BY AIR	0.6 MPa
		6 kg/cm <sup>2</sup>

### Dimensions



unit=mm

Size	d	D	C	G	T		N-øM	L	H	W	W1	J	ISO 5211	K	Ma	Max. TORQUE (Inch/Lbs)
					FC	SUS										
½"	15	95	70	51	16	12	4-ø15	110	70	160	12	50	F04	42	M5	124
¾"	20	100	75	56	18	14	4-ø15	120	73	160	12	50	F04	42	M5	159
1"	25	125	90	67	18	14	4-ø19	130	77	160	12	50	F05	50	M6	195
1¼"	32	135	100	76	20	16	4-ø19	140	85	160	12	50	F05	50	M6	221
1½"	40	140	105	81	20	16	4-ø19	165	104	186	17	62	F07	70	M8	257
2"	50	155	120	96	20	16	4-ø19	180	114	186	17	62	F07	70	M8	301
2½"	65	175	140	116	22	18	4-ø19	190	142	324	21	75	F07	70	M8	443
3"	80	185	150	126	22	18	8-ø19	200	153	324	21	75	F10	102	M10	664
4"	100	210	175	151	24	18	8-ø19	230	166	324	21	75	F10	102	M10	885
5"	125	250	210	182	24	20	8-ø23	300	224	750	24	89	F12	125	M12	1505
6"	150	280	240	212	26	22	8-ø23	340	247	750	24	89	F12	125	M12	2390
8"	200	330	290	262	26	22	12-ø23	450	305	1000	32	100	F12	125	M12	3363
10"	250	400	355	324	30	24	12-ø25	530	327	1000	32	100	F14	140	M16	4425
12"	300	445	400	368	32	24	16-ø25	610	355	1000	32	100	F14	140	M16	5753

### Parts List & Material

Item	Parts Name	Material				Item	Parts Name	Material
1	Body	FC20	WCB	SCS13	SCS14	10	Gland	SCS13
2	Cap	FC20	WCB	SCS13	SCS14	11	Gland Bolt	SS304
3	Ball	SCS13	SCS13	SCS13	SCS14	12	Handle	WCB
4	Seat	PTFE				13	Stopper	SS304
5	Stem	SS304	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

BC32	Code	Material
↓	1	Cast Iron / A126 Gr-FC20
	2	Carbon Steel- WCB
	3	Stainless Steel 304 / SCS13
	4	Stainless Steel 316 / SCS14
↓	<b>Code</b>	<b>Connection Size (Flange rating JIS 10K)</b>
	(A) ½" (B) ¾" (C) 1" (D) 1¼" (E) 1½" (F) 2" (G) 2½"	
	(H) 3" (I) 4" (J) 5" (K) 6" (L) 8" (M) 10" (N) 12"	
BCA32		Complete Ordering Code