

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

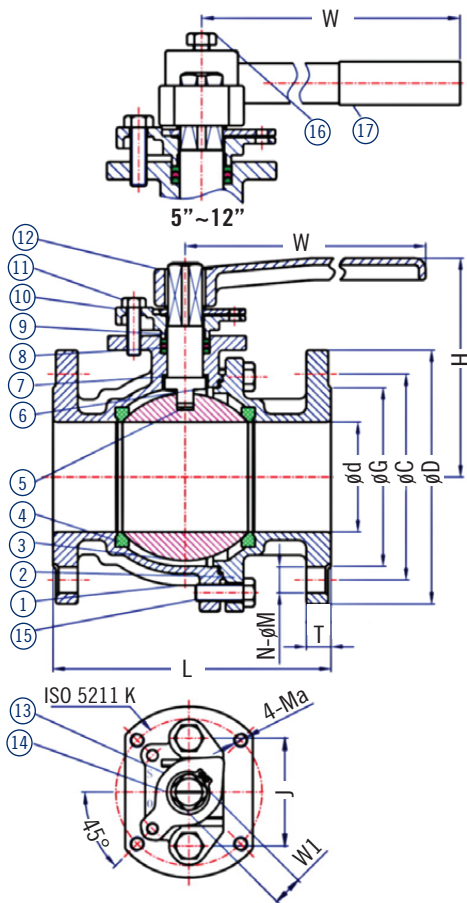
Valves inspected and tested according to JIS B2003 standard

Test Pressure

| | |
|------------------|-------------------------|
| SHELL (by water) | 2.1 MPa |
| | 21.5 kg/cm ² |
| SEAT | BY WATER |
| | 1.6 MPa |
| | 16.5 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) |
|--------|-----|-----|-----|-----|----|-----|---------------|-----|-----|------|----|-----|----------|-----|-----|------------------------|
| | | | | | FC | SUS | | | | | | | | | | |
| 1/2" | 15 | 95 | 70 | 51 | 16 | 12 | 4- ϕ 15 | 110 | 70 | 160 | 12 | 50 | F04 | 42 | M5 | 124 |
| 3/4" | 20 | 100 | 75 | 56 | 18 | 14 | 4- ϕ 15 | 120 | 73 | 160 | 12 | 50 | F04 | 42 | M5 | 159 |
| 1" | 25 | 125 | 90 | 37 | 18 | 14 | 4- ϕ 19 | 130 | 77 | 160 | 12 | 50 | F05 | 50 | M6 | 195 |
| 1 1/4" | 32 | 135 | 100 | 76 | 20 | 16 | 4- ϕ 19 | 140 | 85 | 160 | 12 | 50 | F05 | 50 | M6 | 221 |
| 1 1/2" | 40 | 140 | 105 | 81 | 20 | 16 | 4- ϕ 19 | 165 | 104 | 186 | 17 | 62 | F07 | 70 | M8 | 257 |
| 2" | 50 | 155 | 120 | 96 | 20 | 16 | 4- ϕ 19 | 180 | 114 | 186 | 17 | 62 | F07 | 70 | M8 | 301 |
| 2 1/2" | 65 | 175 | 140 | 116 | 22 | 18 | 4- ϕ 19 | 190 | 142 | 324 | 21 | 75 | F07 | 70 | M8 | 443 |
| 3" | 80 | 185 | 150 | 126 | 22 | 18 | 8- ϕ 19 | 200 | 153 | 324 | 21 | 75 | F10 | 102 | M10 | 664 |
| 4" | 100 | 210 | 175 | 161 | 24 | 18 | 8- ϕ 19 | 230 | 166 | 324 | 21 | 75 | F10 | 102 | M10 | 885 |
| 5" | 125 | 250 | 210 | 182 | 24 | 20 | 8- ϕ 23 | 300 | 224 | 750 | 24 | 89 | F12 | 125 | M12 | 1505 |
| 6" | 150 | 280 | 240 | 212 | 26 | 22 | 8- ϕ 23 | 340 | 247 | 750 | 24 | 89 | F12 | 125 | M12 | 2390 |
| 8" | 200 | 330 | 290 | 262 | 26 | 22 | 12- ϕ 23 | 450 | 305 | 1000 | 32 | 100 | F12 | 125 | M12 | 3363 |
| 10" | 250 | 400 | 355 | 324 | 30 | 24 | 12- ϕ 25 | 530 | 327 | 1000 | 32 | 100 | F14 | 140 | M16 | 4425 |
| 12" | 300 | 445 | 400 | 368 | 32 | 24 | 12- ϕ 25 | 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 |
| | Code | Connection Size (Flange rating JIS 10K) |
| | | (A) 1/2" (B) 3/4" (C) 1" (D) 1 1/4" (E) 1 1/2" (F) 2" (G) 2 1/2" |
| | | (H) 3" (I) 4" (J) 5" (K) 6" (L) 8" (M) 10" (N) 12" |
| BCA32 | | Complete Ordering Code |