

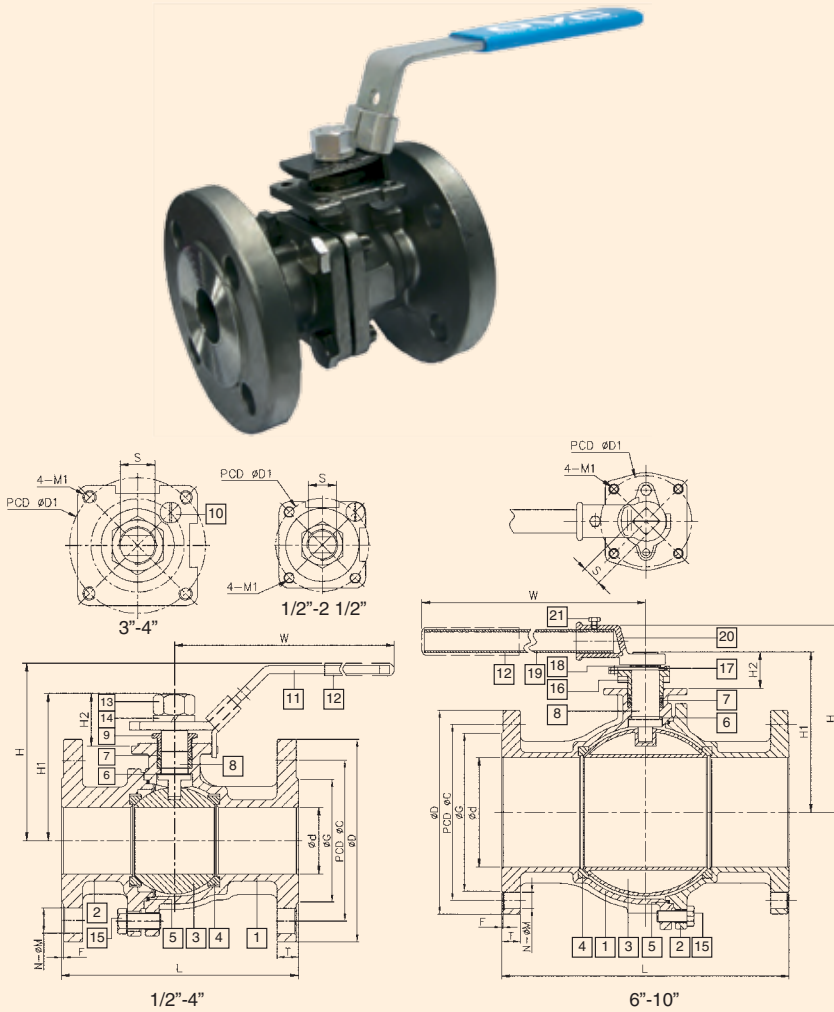
Carbon Steel Ball Valve

2-Piece Full Port Ball Valve, ANSI 150lbs, Flanged Ends, with Locking Handle

Pressure/Temperature rating in accordance with ASME B 16.34. See Pressure/Temperature chart.

Features

- ISO 9002
- The flanged ends refers to ANSI B 16.5
- Face to face: ANSI B 16.10
Wall thickness: ANSI B 16.34
- Investment casting up through 4"
- Blow-out proof stem
- Full port
- Class 150
- TFM1600 seat
- PTFE seal & packing
- ISO mounting pad
- Locking handle
- All valves tested and inspected to API-598



| NO. | DESCRIPTION | MATERIAL |
|-----|--------------------|----------------|
| 1 | BODY | ASTM A216-WCB |
| 2 | CAP | ASTM A216-WCB |
| 3 | BALL | ASTM A351-CF8M |
| 4 | BALL SEAT | TFM1600 |
| 5 | BODY SEAL | PTFE |
| 6 | THRUST WASHER | PTFE |
| 7 | PACKING | PTFE |
| 8 | STEM | ASTM A276-316 |
| 9 | GLAND NUT | AISI 304 |
| 10 | STOP PIN | AISI 304 |
| 11 | HANDLE | AISI 304 |
| 12 | HANDLE SLEEVE | PVC |
| 13 | STEM NUT | AISI 304 |
| 14 | SPRING WASHER | AISI 304 |
| 15 | BOLT | AISI 304 |
| 16 | GLAND | AISI 304 |
| 17 | STOPPER | AISI 304 |
| 18 | CIRCLIPS FOR SHAFT | AISI 304 |
| 19 | STEEL TUBE | AISI 304 |
| 20 | WRENCH BLOCK | AISI 304 |
| 21 | BOLT | AISI 304 |

| SIZE | d | L | T | F | N | M | G | C | D | H | H1 | H2 | S | W | D1 | M1 | Torque (in-lb) | Weight (lb) |
|--------|------|-------|------|------|----|------|-------|-------|-------|-------|-------|------|------|-------|------|-----|----------------|-------------|
| 1/2" | 0.59 | 4.25 | 0.38 | 0.06 | 4 | 0.63 | 1.38 | 2.38 | 3.50 | 3.39 | 2.25 | 0.93 | 0.44 | 6.65 | 1.65 | M5 | 67 | 3.7 |
| 3/4" | 0.79 | 4.61 | 0.38 | 0.06 | 4 | 0.63 | 1.69 | 2.76 | 3.90 | 3.50 | 2.36 | 0.93 | 0.44 | 6.65 | 1.65 | M5 | 68 | 4.6 |
| 1" | 0.98 | 5.00 | 0.38 | 0.06 | 4 | 0.63 | 2.01 | 3.11 | 4.25 | 4.06 | 2.89 | 1.14 | 0.50 | 8.09 | 1.97 | M6 | 155 | 6.4 |
| 1-1/4" | 1.26 | 5.51 | 0.44 | 0.06 | 4 | 0.63 | 2.50 | 3.50 | 4.61 | 4.06 | 3.09 | 1.14 | 0.50 | 8.09 | 1.97 | M6 | 178 | 8.6 |
| 1-1/2" | 1.50 | 6.50 | 0.50 | 0.06 | 4 | 0.63 | 2.88 | 3.88 | 5.00 | 5.12 | 4.05 | 1.55 | 0.75 | 10.51 | 2.76 | M8 | 222 | 12.6 |
| 2" | 1.97 | 7.01 | 0.57 | 0.06 | 4 | 0.75 | 3.62 | 4.75 | 5.98 | 5.31 | 4.35 | 1.55 | 0.75 | 10.51 | 2.76 | M8 | 337 | 18.5 |
| 2-1/2" | 2.56 | 7.48 | 0.63 | 0.06 | 4 | 0.75 | 4.12 | 5.47 | 7.01 | 5.79 | 4.80 | 1.52 | 0.75 | 11.38 | 2.76 | M8 | 399 | 29.3 |
| 3" | 3.15 | 7.99 | 0.69 | 0.06 | 4 | 0.75 | 5.00 | 5.98 | 7.48 | 6.54 | 5.59 | 1.69 | 0.75 | 15.35 | 4.02 | M10 | 772 | 36.2 |
| 4" | 3.94 | 9.00 | 0.88 | 0.06 | 8 | 0.75 | 6.19 | 7.50 | 8.98 | 7.13 | 6.18 | 1.69 | 0.75 | 15.35 | 4.02 | M10 | 872 | 61.1 |
| 6" | 5.91 | 15.51 | 1.00 | 0.06 | 8 | 0.87 | 8.50 | 9.51 | 10.98 | 10.10 | 8.66 | 1.97 | 1.06 | 29.25 | 4.92 | M12 | 1682 | 119.0 |
| 8" | 7.87 | 17.99 | 1.13 | 0.06 | 8 | 0.89 | 10.63 | 11.75 | 13.50 | 13.15 | 11.83 | 3.37 | 1.42 | 33.07 | 5.51 | M16 | 4160 | 194.0 |
| 10" | 9.84 | 20.98 | 1.19 | 0.06 | 12 | 1.00 | 12.76 | 14.25 | 15.98 | 14.88 | 13.17 | 2.93 | 1.42 | 40.94 | 5.51 | M16 | 6638 | 359.4 |

Note: Actual torque values may vary. Please consult factory.