

# Carbon Steel Ball Valves

Two-Piece Bar Stock Body • Conventional Port •  
Blowout-Proof Stem • CS Trim • Vented Ball

**2000 PSI/138 bar non-shock cold working pressure (3/8"-1")**  
**1500 PSI/103 bar non-shock cold working pressure (1-1/4"-2")**♦

CONFORMS TO MSS SP-110

## MATERIAL LIST

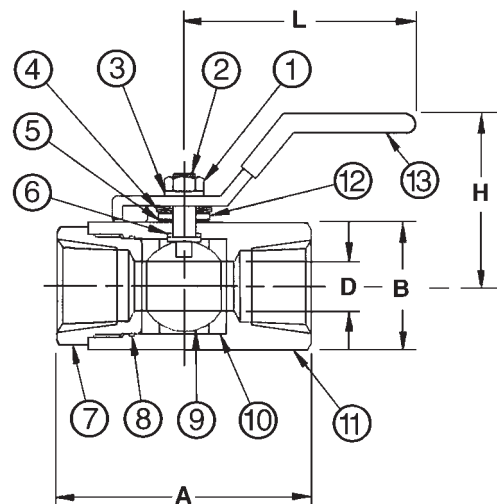
| PART                     | SPECIFICATION  |
|--------------------------|--|
| 1. Handle Nut            | Carbon Steel ASTM A 283  |
| 2. Stem                  | Carbon Steel ASTM A 108 Type 1045                              |
| 3. Spring Washer         | Carbon Steel   |
| 4. Belleville Washer (2) | Carbon Steel ASTM A 686  |
| 5. Stem Packing (2)      | Reinforced PTFE  |
| 6. Thrust Washer         | Carbon Filled PTFE   |
| 7. Body End Piece        | Carbon Steel ASTM A 108 Type 1018                              |
| 8. Spacer Seal           | PTFE   |
| 9. Ball (Vented)         | Stainless Steel ASTM A 276 Type 304<br>or ASTM A 351 Type CF8M |
| 10. Seat (2)             | Reinforced PTFE  |
| 11. Body                 | Carbon Steel ASTM A 108 Type 1018                              |
| 12. Gland Washer         | Stainless Steel ASTM A 240 Type 304                            |
| 13. Handle               | Carbon Steel ASTM A 283  |

3/8"-1" 2000 PSI CWP, 1-1/4"-2" 1500 PSI CWP.

NOTE: valves are static grounded by thrust washer and packing.



**T-580-CS-R-25**  
Threaded



**T-580-CS-R-25**  
NPT x NPT

## DIMENSIONS—WEIGHTS—QUANTITIES

| Size     | Dimensions |         |         |         |          | T-580-CS-R-25 | Master |      |
|----------|------------|---------|---------|---------|----------|---------------|--------|------|
|          | A          | B       | D       | H       | L        |               |        | Lbs. |
| In. mm.  | In. mm.    | In. mm. | In. mm. | In. mm. | In. mm.  |               |        |      |
| 3/8 10   | 2.30 58    | 1.02 26 | .38 9   | 2.22 56 | 4.13 105 | .55 .25       | 10     |      |
| 1/2 15   | 2.52 64    | 1.26 32 | .50 9   | 2.44 62 | 4.17 105 | .79 .36       | 10     |      |
| 3/4 20   | 2.95 75    | 1.61 41 | .69 13  | 2.64 67 | 4.17 105 | 1.43 .65      | 10     |      |
| 1 25     | 3.35 85    | 1.97 50 | .87 18  | 2.83 72 | 5.83 148 | 2.40 1.08     | 10     |      |
| 1 1/4 32 | 3.66 93    | 2.17 55 | 1.00 25 | 2.97 75 | 5.83 148 | 3.01 1.37     | 5      |      |
| 1 1/2 40 | 4.11 104   | 2.64 67 | 1.25 32 | 3.25 83 | 7.00 182 | 4.86 2.20     | 5      |      |
| 2 50     | 4.61 117   | 3.03 77 | 1.50 38 | 3.54 90 | 7.24 198 | 6.62 3.00     | 5      |      |

♦For detailed operating pressure, refer to pressure temperature chart on pages 71 and 72.

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