

# Stainless Steel Ball Valves

Two-Piece Body • Conventional Port • Blowout-Proof Stem •  
316 SS Trim • Cast Mounting Pad • Vented Ball

**2000 PSI/138 bar non-shock cold working pressure\***

CONFORMS TO MSS SP-110

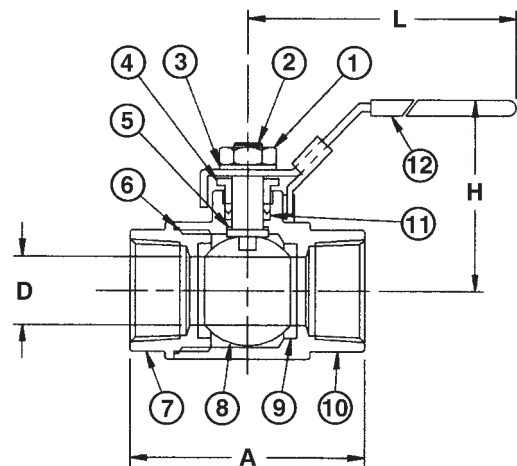
## MATERIAL LIST

| PART                   | SPECIFICATION  |
|------------------------|--|
| 1. Handle Nut          | Stainless Steel ASTM A 276 Type 304                            |
| 2. Stem                | Stainless Steel ASTM A 276 Type 316                            |
| 3. Lock Washer         | Stainless Steel 304 SS   |
| 4. Threaded Pack Gland | Stainless Steel ASTM A 276 Type 316                            |
| 5. Thrust Washer       | Carbon Filled PTFE   |
| 6. Gasket              | PTFE   |
| 7. Body End Piece      | Stainless Steel ASTM A 351 Type CF8M                           |
| 8. Ball (Vented)       | Stainless Steel ASTM A 276 Type 316<br>or ASTM A 351 Type CF8M |
| 9. Seat (2)            | Reinforced PTFE  |
| 10. Body               | Stainless Steel ASTM A 351 Type CF8M                           |
| 11. Stem Packing (2)   | Carbon Filled PTFE   |
| 12. Locking Handle     | Stainless Steel ASTM A 240 Type 304                            |

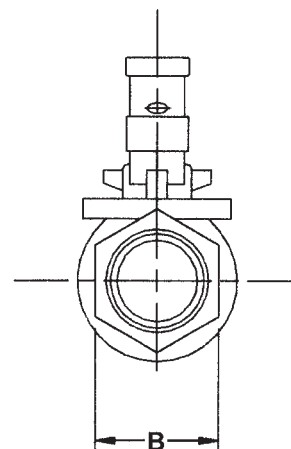
**NOTE:** valves are static grounded by thrust washer and packing.  
Valves tested in accordance with ASME B16.34



**T-580-S6-R-66-LL**  
Threaded



**T-580-S6-R-66-LL**  
NPT x NPT



## DIMENSIONS—WEIGHTS

| SIZE  | Dimensions |      |     |      |     |      |     |      |     |      |      |      | Weight |    | Master Ctn. Qty. |
|-------|------------|------|-----|------|-----|------|-----|------|-----|------|------|------|--------|----|------------------|
|       | A          |      | B   |      | D   |      | H   |      | L   |      | Lbs. | Kg.  |        |    |                  |
| In.   | mm.        | In.  | mm. | In.  | mm. | In.  | mm. | In.  | mm. | In.  | mm.  |      |        |    |                  |
| 1/4   | 8          | 2.07 | 53  | 0.83 | 21  | 0.37 | 9   | 4.33 | 110 | 1.76 | 45   | 0.51 | 0.23   | 10 |                  |
| 3/8   | 10         | 2.07 | 53  | 0.83 | 21  | 0.37 | 9   | 4.33 | 110 | 1.76 | 45   | 0.48 | 0.22   | 10 |                  |
| 1/2   | 15         | 2.34 | 59  | 1.06 | 27  | 0.5  | 13  | 4.33 | 110 | 1.92 | 49   | 0.66 | 0.3    | 10 |                  |
| 3/4   | 20         | 2.8  | 71  | 1.34 | 34  | 0.69 | 18  | 5.83 | 148 | 2.4  | 61   | 1.3  | 0.59   | 10 |                  |
| 1     | 25         | 3.23 | 82  | 1.61 | 41  | 0.87 | 22  | 5.83 | 148 | 2.56 | 65   | 1.79 | 0.81   | 10 |                  |
| 1 1/4 | 32         | 3.57 | 91  | 1.89 | 48  | 1    | 25  | 7.76 | 197 | 2.74 | 70   | 2.52 | 1.14   | 5  |                  |
| 1 1/2 | 40         | 4.04 | 103 | 2.26 | 57  | 1.25 | 32  | 7.76 | 197 | 2.98 | 76   | 3.75 | 1.7    | 5  |                  |
| 2     | 50         | 4.63 | 118 | 2.76 | 70  | 1.5  | 38  | 7.76 | 197 | 3.17 | 81   | 5.8  | 2.63   | 5  |                  |

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

Visit our website for the most current information.