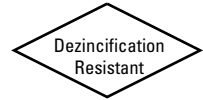


# Bronze Ball Valves

Two-Piece Body • Full Port • Bronze Trim • Blowout-Proof Stem



**600 PSI/41.4 Bar Non-Shock Cold Working Pressure**  
**150 PSI/10.3 Bar Saturated Steam**

CONFORMS TO MSS SP-110

## MATERIAL LIST

| PART                   | SPECIFICATION   |
|------------------------|---|
| 1. Handle Nut          | Zinc Plated Steel   |
| 2. Handle              | Zinc Plated Steel Clear Chromate<br>Plastisol Coated                                  |
| 3. Threaded Pack Gland | Brass ASTM B 16 Alloy C36000  |
| 4. Packing             | PTFE  |
| 5. Stem                | Silicon Bronze ASTM B 371 Alloy C69300<br>or ASTM B 99 Alloy C65100                   |
| 6. Thrust Washer       | Reinforced PTFE   |
| 7. Ball                | Brass ASTM B 124 Alloy C37700 or ASTM B16<br>Alloy C36000 EACH with Hard Chrome Plate |
| 8. Seat Ring (2)       | Reinforced PTFE   |
| 9. Body                | Cast Red Bronze ASTM B 584 Alloy C84400   |
| 10. Body End Piece     | Cast Red Bronze ASTM B 584 Alloy C84400   |

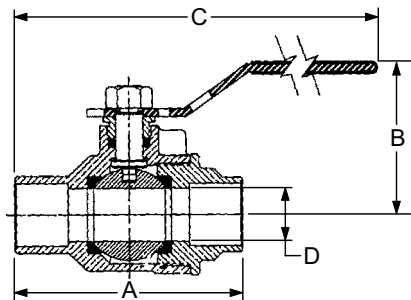
1/4" size only has a 304 stainless steel grounding washer.



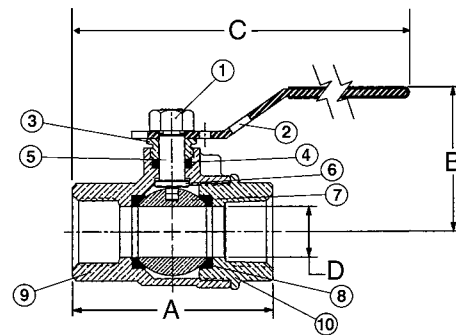
**T-585-70**  
Threaded



**S-585-70**  
Solder



**S-585-70**  
C x C



**T-585-70**  
NPT x NPT

## DIMENSIONS—WEIGHTS—QUANTITIES

| Size  | Dimensions |      |     |      |     |      |      |      |      |       | T-585-70 |      | S-585-70 |      | Master Ctn. Qty. |      |      |     |
|-------|------------|------|-----|------|-----|------|------|------|------|-------|----------|------|----------|------|------------------|------|------|-----|
|       | A          | A    | B   | C    | C   | D    | Lbs. | Kg.  | Lbs. | Kg.   |          |      |          |      |                  |      |      |     |
| 1/4   | 8          | 2.00 | 51  | 1.75 | 44  | 1.75 | 44   | 5.00 | 127  | 4.75  | 121      | .38  | 10       | .45  | .21              | .42  | .19  | 100 |
| 3/8   | 10         | 2.00 | 51  | 1.84 | 47  | 1.75 | 44   | 5.00 | 127  | 4.81  | 122      | .38  | 10       | .45  | .21              | .42  | .19  | 100 |
| 1/2   | 15         | 2.44 | 62  | 2.56 | 65  | 1.88 | 48   | 5.19 | 132  | 5.25  | 133      | .50  | 13       | .64  | .29              | .60  | .27  | 100 |
| 3/4   | 20         | 2.94 | 75  | 3.25 | 82  | 2.25 | 57   | 6.25 | 159  | 6.25  | 159      | .75  | 19       | 1.33 | .60              | 1.27 | .58  | 50  |
| 1     | 25         | 3.34 | 85  | 3.75 | 95  | 2.38 | 60   | 6.44 | 164  | 6.63  | 168      | 1.00 | 25       | 1.79 | .81              | 1.72 | .78  | 40  |
| 1 1/4 | 32         | 4.19 | 106 | 5.06 | 128 | 3.00 | 76   | 6.75 | 171  | 7.19  | 183      | 1.25 | 32       | 3.12 | 1.41             | 3.18 | 1.44 | 20  |
| 1 1/2 | 40         | 4.72 | 120 | 5.99 | 151 | 3.16 | 80   | 9.06 | 230  | 9.69  | 246      | 1.50 | 38       | 4.78 | 2.17             | 5.12 | 2.32 | 10  |
| 2     | 50         | 5.16 | 131 | 6.72 | 170 | 3.50 | 89   | 9.25 | 235  | 10.06 | 256      | 2.00 | 51       | 6.68 | 3.03             | 7.10 | 3.22 | 8   |

Note: Solder end is designed to be soft-soldered into lines using solders with the melting point not exceeding 500°F. Higher temperature solders will damage the seat material. See installation sheet packaged with valves.

◆ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 41.