

Carbon Steel Ball Valves

Three-Piece Body • Full Port • Cast ISO Mounting Pad •
Blowout-Proof Stem • 316 SS Trim • Vented Ball

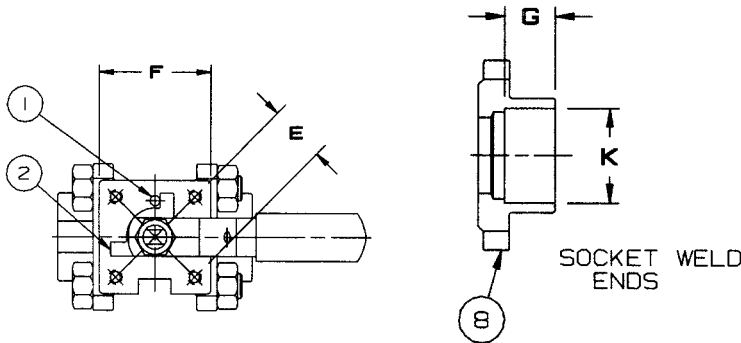
1000 PSI/69 Bar Non-Shock Cold Working Pressure ◆

CONFORMS TO MSS SP-110

MATERIAL LIST

| PART | SPECIFICATION |
|-------------------------|--|
| 1. Stop Pin | Stainless Steel ASTM A 276 Type 304 |
| 2. Stop Plate | Carbon Steel ASTM A 283 |
| 3. Stem | Stainless Steel ASTM A 276 Type 316 |
| 4. Handle Nut | Carbon Steel A 283 |
| 5. Stem Packing (1 Set) | Carbon Filled PTFE |
| 6. Thrust Washer | Carbon Filled PTFE |
| 7. Cap Bolt (4) | Carbon Steel ASTM A 193 Grade B7 |
| 8. Body Ends (2) | Carbon Steel ASTM A 216 Grade WCB |
| 9. Seat (2) | Reinforced PTFE |
| 10. Body | Carbon Steel ASTM A 216 Grade WCB |
| 11. Ball (Vented) | Stainless Steel ASTM A 276 Type 316 or ASTM A 351 Type CF8M |
| 12. Union Seal (2) | Reinforced PTFE |
| 13. Cap Nut (4) | Carbon Steel A 283 |
| 14. Threaded Pack Gland | Carbon Steel ASTM A 108 Type 1045 |
| 15. Handle | Carbon Steel ASTM A 283 |

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

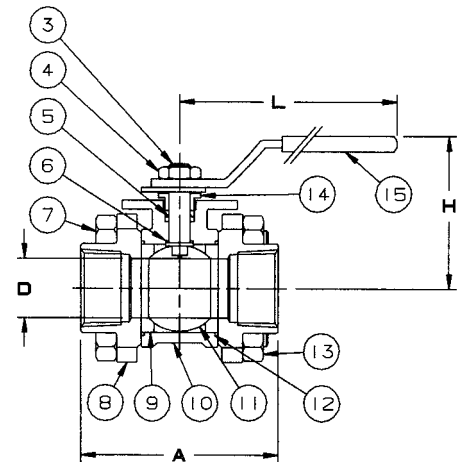


TM-595-CS-R-66

Threaded
ISO Mount Pad

KM-595-CS-R-66

Socket Weld (1/2"-2")
ISO Mount Pad



TM or KM-595-CS-R-66
NPT x NPT or SOC x SOC

DIMENSIONS—WEIGHTS—QUANTITIES

| Size | Dimensions | | | | | | | | | | ISO 5211 | TM or KM-595-CS-R-66 | | Master Ctn. Qty. |
|---------|-------------|---------|---------|---------|---------|---------|----------|----------|---------|---------|----------|----------------------|--|------------------|
| | A | D | E | F | G | K | H | L | Lbs. | Kg. | | | | |
| In. mm. | In. mm. | In. mm. | In. mm. | In. mm. | In. mm. | In. mm. | In. mm. | In. mm. | In. mm. | In. mm. | | | | |
| 1/4 | 8 2.49 63 | .34 9 | .71 18 | 1.42 36 | — — | — — | 2.36 60 | 4.17 106 | F03 | 1.00 | .45 | 10 | | |
| 3/8 | 10 2.49 63 | .34 9 | .71 18 | 1.42 36 | — — | — — | 2.36 60 | 4.17 106 | F03 | 1.00 | .45 | 10 | | |
| 1/2 | 15 2.76 70 | .56 14 | .71 18 | 1.42 36 | .38 10 | .87 22 | 2.36 60 | 4.17 106 | F03 | 1.20 | .54 | 10 | | |
| 3/4 | 20 3.03 77 | .81 21 | .83 21 | 1.65 42 | .50 13 | 1.08 27 | 2.83 72 | 5.04 128 | F04 | 1.90 | .86 | 10 | | |
| 1 | 25 3.63 92 | 1.00 25 | .88 22 | 1.65 42 | .50 13 | 1.34 34 | 3.07 78 | 5.04 128 | F04 | 2.90 | 1.31 | 8 | | |
| 1 1/4 | 32 4.14 105 | 1.25 32 | .98 25 | 1.97 50 | .50 13 | 1.69 43 | 3.35 85 | 7.83 199 | F05 | 4.30 | 1.93 | 5 | | |
| 1 1/2 | 40 4.73 120 | 1.50 38 | .98 25 | 1.97 50 | .50 13 | 1.93 49 | 3.66 93 | 7.83 199 | F05 | 6.00 | 2.70 | 5 | | |
| 2 | 50 5.43 138 | 1.97 50 | .98 25 | 1.97 50 | .62 16 | 2.42 61 | 4.09 104 | 7.83 199 | F05 | 9.50 | 4.28 | 2 | | |

◆ For detailed Operating Pressure, refer to Pressure Temperature Chart on pages 66 and 67.