

**Code: 1005A - CS Ball Valve Two Piece Design Flanged End (300 Class)**

**Applicable Standard:**

MFG. STD. : BS 5351 / API 608

Testing STD: BS 5146 / API 598

Face to Face: ANSI B16.10

End Connection: ASME B16.5 300 Class RF

Type: Full Port, Fire Safe Design

**Size Range:** 15mm to 200mm (½ inch to 8 inch)

**Max Working Temperature:** 200 Deg. C

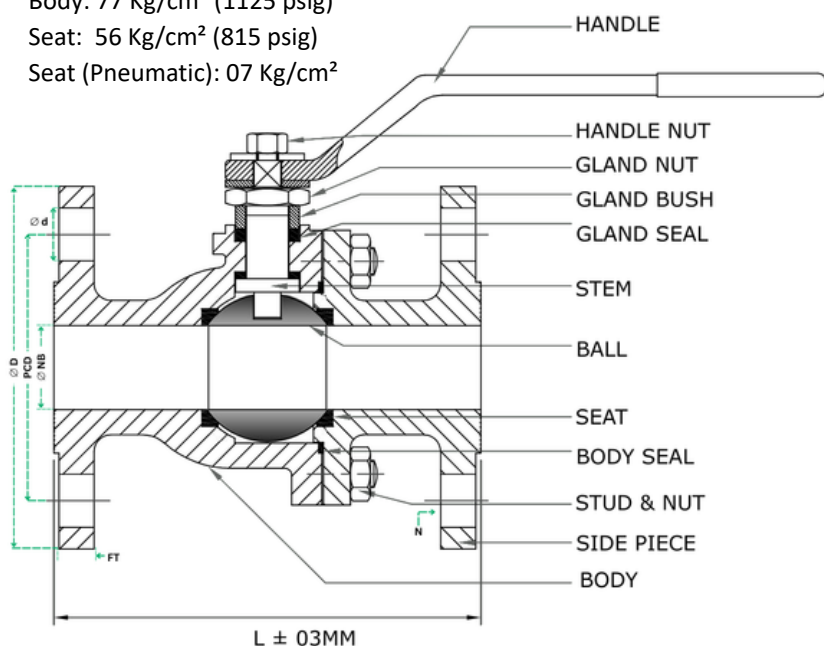
**Pressure Rating:** As per 300 Class

**Hydraulic Test Pressure:**

Body: 77 Kg/cm<sup>2</sup> (1125 psig)

Seat: 56 Kg/cm<sup>2</sup> (815 psig)

Seat (Pneumatic): 07 Kg/cm<sup>2</sup>



| Part Name  | Material                | QTY. |
|------------|-------------------------|------|
| Body       | CS to ASTM A216 Gr. WCB | 01   |
| Side Piece | CS to ASTM A216 Gr. WCB | 01   |
| Ball       | AISI 304                | 01   |
| Seat       | PTFE / CFT / GFT        | 02   |
| Body Seal  | PTFE / CFT / GFT        | 02   |
| Stem       | AISI 304                | 01   |
| Gland Seal | PTFE                    | 03   |
| Gland Bush | Stainless Steel         | 01   |
| Stem Nut   | Stainless Steel         | 01   |
| Handle Nut | Stainless Steel         | 01   |
| Handle     | M.S                     | 01   |

**CLASS - 300**

| SIZE     |       | Ø NB  | L<br>End to End | ØD<br>Flange OD | FT<br>Flange Thickness | Ø Rf<br>Raised Faced | PCD     | Ø d<br>Hole Dia | N<br>No. of Holes | Approx Weight   |
|----------|-------|-------|-----------------|-----------------|------------------------|----------------------|---------|-----------------|-------------------|-----------------|
| inch     | mm    |       |                 |                 |                        |                      |         |                 |                   | Per Unit in Kg. |
| ½ inch   | 15mm  | 15mm  | 140mm           | 95mm            | 14.2mm                 | 35mm                 | 66.5mm  | 16mm            | 04                | 1.8             |
| ¾ inch   | 20mm  | 20mm  | 152mm           | 117mm           | 15.7mm                 | 43mm                 | 82.5mm  | 19mm            | 04                | 3               |
| 1 inch   | 25mm  | 25mm  | 165mm           | 124mm           | 17.5mm                 | 51mm                 | 88.9mm  | 19mm            | 04                | 4               |
| 1 ¼ inch | 32mm  | 32mm  | 178mm           | 133mm           | 19mm                   | 64mm                 | 98.5mm  | 19mm            | 04                | 5.5             |
| 1 ½ inch | 40mm  | 40mm  | 190.5mm         | 155.5mm         | 20.5mm                 | 73mm                 | 114.3mm | 22mm            | 04                | 6               |
| 2 inch   | 50mm  | 50mm  | 216mm           | 165mm           | 22mm                   | 92mm                 | 127mm   | 19mm            | 08                | 10              |
| 2 ½ inch | 65mm  | 65mm  | 241mm           | 190.5mm         | 25mm                   | 105mm                | 149.3mm | 22mm            | 08                | 18              |
| 3 inch   | 80mm  | 80mm  | 282.5mm         | 209.5mm         | 28.5mm                 | 127mm                | 168mm   | 22mm            | 08                | 24              |
| 4 inch   | 100mm | 100mm | 305mm           | 254mm           | 32mm                   | 157mm                | 200mm   | 22mm            | 08                | 40              |
| 5 inch   | 125mm | 125mm | 381mm           | 279.4mm         | 35mm                   | 186mm                | 235mm   | 22mm            | 08                | 85              |
| 6 inch   | 150mm | 150mm | 403mm           | 317.5mm         | 36.5mm                 | 216mm                | 260.7mm | 22mm            | 12                | 96              |
| 8 inch   | 200mm | 200mm | 419mm           | 381mm           | 41mm                   | 270mm                | 330.2mm | 25mm            | 12                | 140             |

