



**Salient Features**

- Design Standard BS 1414 / API 600.
- Bolted Bonnet, Outside Screw, Yoke Type, Rising Stem.
- Renewable 13% Cr. Stainless Steel (AISI 410) working parts.
- Handwheel Operated.

**Suitable For**

|       |   |
|-------|---|
| Steam | ■ |
| Water | ■ |
| Oil   | ■ |
| Air   |   |
| Gases |   |

Test Pressure (Hydraulic) Shell : 29 kg/cm<sup>2</sup>g (425 psig) Seat (Steam) : 10.55 kg/cm<sup>2</sup>g (150 psig)  
Maximum Working Temperature 425°C

**Materials of Construction**

| Name of Part            | Material             | Specification                       |
|-------------------------|----------------------|-------------------------------------|
| Body & Wedge            | Cast Steel           | ASTM A216 Gr. WCB                   |
| Bonnet                  | Cast Steel           | ASTM A216 Gr. WCB                   |
| Gland                   | Stainless Steel      | AISI 410                            |
| Handwheel               | C.S / M.I            | ASTM A216 Gr. WCB / IS 14329 BM 300 |
| Locking Bush            | Stainless Steel      | AISI 410                            |
| Sleeve                  | S.S / Nodular Iron   | AISI 410 / ASTM A439 D2             |
| Eye Bolt                | Stainless Steel      | AISI 410                            |
| Gland Flange            | Cast Steel           | ASTM A216 Gr. WCB                   |
| Gland Packing           | Braided Graphite     | IS 4687                             |
| Sleeve Nut              | Stainless Steel      | AISI 410                            |
| Back Seat Bush          | Stainless Steel      | AISI 410                            |
| Stud                    | Alloy Steel          | ASTM A193 Gr. B7                    |
| Nut                     | H.T. Steel           | ASTM A194 Gr. 2H                    |
| Gasket                  | Steam Jointing Sheet | IS 2712 Gr. W/3                     |
| Stem                    | Stainless Steel      | AISI 410                            |
| Body Seat Ring          | Stainless Steel      | AISI 410                            |
| Weld Deposit Wedge Ring | Stainless Steel      | AISI 410                            |
| Grease Nipple           | Carbon Steel         | BS 1486                             |

**Sizes / Dimensions**

| Inches | mm  | A   | B    | C   | D     | E   | F   | G   |
|--------|-----|-----|------|-----|-------|-----|-----|-----|
| 1 1/2  | 40  | 165 | 14.3 | 127 | 73    | 1.6 | 330 | 210 |
| 2      | 50  | 178 | 16   | 152 | 92    | 1.6 | 340 | 210 |
| 2 1/2  | 65  | 190 | 17.5 | 178 | 104.8 | 1.6 | 395 | 210 |
| 3      | 80  | 203 | 19   | 190 | 127   | 1.6 | 430 | 225 |
| 4      | 100 | 229 | 23.8 | 229 | 157.2 | 1.6 | 521 | 255 |
| 5      | 125 | 254 | 24   | 254 | 185.7 | 1.6 | 568 | 255 |
| 6      | 150 | 267 | 25.4 | 279 | 216   | 1.6 | 666 | 356 |
| 8      | 200 | 292 | 28.6 | 343 | 270   | 1.6 | 783 | 400 |

