



- Connection Ends: Flange to ASME B16.1 CL125
- Working Pressure: 250PSI
- Temperature Range: 0°-80°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550.

MATERIAL SPECIFICATION

| PART NO. | Description | Material | Options |
|----------|----------------------------|---|---|
| 1 | Body | Ductile Iron ASTM A536,65-45-12 | |
| 2 | Wedge, Rubber Encapsulated | Ductile Iron ASTM A536,65-45-12 + EPDM ASTM D2000 | |
| 3 | Stem Nut | Brass ASTM B16 | |
| 4 | Stem | Stainless Steel SS304 | Stainless Steel SS316/431, Bronze ASTM B584 |
| 5 | Bonnet Bolts | Stainless Steel SS304 | Stainless Steel SS316 |
| 6 | Bonnet Nuts | Stainless Steel SS304 | Stainless Steel SS316 |
| 7 | Bonnet Washers | Stainless Steel SS304 | Stainless Steel SS316 |
| 8 | Bonnet | Ductile Iron ASTM A536,65-45-12 | |
| 9 | Stem O-Ring | EPDM ASTM D2000 | NBR ASTM D2000 |
| 10 | Stuffing Box Seal | EPDM ASTM D2000 | NBR ASTM D2000 |
| 11 | Minipad | TFL | |
| 12 | Minipad | TFL | |
| 13 | Minipad | TFL | |
| 14 | Stem O-Ring | EPDM ASTM D2000 | NBR ASTM D2000 |
| 15 | Stuffing Box | Ductile Iron ASTM A536,65-45-12 | |
| 16 | Dust Ring | EPDM ASTM D2000 | NBR ASTM D2000 |
| 17 | Stuffing Box Washers | Stainless Steel SS304 | Stainless Steel SS316 |
| 18 | Stuffing Box Bolts | Stainless Steel SS304 | Stainless Steel SS316 |
| 19A | Handwheel(Optional) | Ductile Iron ASTM A536,65-45-12 | |
| 19 | Cap | Ductile Iron ASTM A536,65-45-12 | |
| 20 | Wrench Nut | Stainless Steel SS304 | Stainless Steel SS316 |
| 21 | Wrench Washers | Stainless Steel SS304 | Stainless Steel SS316 |

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

| DN | Dimensions(Inch) | | | | | | |
|------|------------------|-------|------|-----------|-------|------------|---------|
| | D | D1 | b | z-d | L | H | |
| | | | | | | Hand Wheel | Cap Nut |
| 2" | 5.98 | 4.74 | 0.63 | 4-Φ0.748 | 7.01 | 10.04 | 10.39 |
| 2.5" | 7.01 | 5.49 | 0.69 | 4-Φ0.748 | 7.48 | 11.02 | 11.42 |
| 3" | 7.52 | 6.00 | 0.75 | 4-Φ0.748 | 7.99 | 12.20 | 12.52 |
| 4" | 9.02 | 7.50 | 0.94 | 8-Φ0.748 | 9.02 | 13.39 | 13.90 |
| 5" | 10.00 | 8.50 | 0.94 | 8-Φ0.866 | 10.00 | 15.75 | 16.06 |
| 6" | 10.98 | 9.51 | 1.00 | 8-Φ0.866 | 10.51 | 17.13 | 17.48 |
| 8" | 13.50 | 11.75 | 1.14 | 8-Φ0.866 | 11.50 | 20.67 | 21.06 |
| 10" | 15.98 | 14.25 | 1.20 | 12-Φ0.984 | 12.99 | 23.82 | 24.25 |
| 12" | 19.02 | 17.01 | 1.26 | 12-Φ0.984 | 14.02 | 26.97 | 27.36 |
| 14" | 20.98 | 18.74 | 1.38 | 12-Φ1.142 | 15.00 | 30.31 | 30.75 |
| 16" | 23.50 | 21.24 | 1.46 | 16-Φ1.142 | 15.98 | 33.27 | 33.70 |
| 18" | 25.00 | 22.75 | 1.56 | 16-Φ1.260 | 17.01 | 36.42 | 36.73 |
| 20" | 27.52 | 25.00 | 1.69 | 20-Φ1.260 | 17.99 | 39.37 | 39.76 |
| 24" | 32.01 | 29.51 | 1.89 | 20-Φ1.378 | 20.00 | 45.47 | 45.94 |
| 30" | 38.74 | 36.00 | 2.13 | 28-Φ1.378 | 24.02 | 59.45 | 60.24 |
| 36" | 45.98 | 42.76 | 2.38 | 32-Φ1.612 | 27.99 | 70.87 | 71.26 |
| 48" | 59.49 | 56.00 | 2.75 | 44-Φ1.612 | 44.02 | 82.68 | 83.07 |

| | | | |
|-----------------------------------|--------------------------------|---|---------|
| DRAWN BY: Cindy Zhang | DRAWING # JHZ45XQ | AWWA C509 Flanged Resilient NRS Gate Valve | |
| | | Series NO.: JHZ45XQ | |
| CHECKED BY: Cherry Chen | ISSUE DATE 160612-02 | | REV.00. |
| APPROVED BY: Meng Xiang | | | |