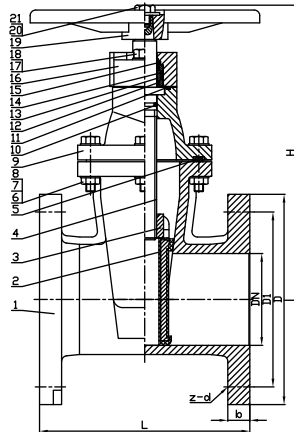


# AWWA C509 Flanged Resilient NRS Gate Valve 250PSI (JHZ45XQ)



### MATERIAL SPECIFICATION

| PART NO. | Description | Material Specification       | Options                 |
|----------|-------------|------------------------------|-------------------------|
| 1        | Body        | Ductile Iron ASTM A536       |                         |
| 2        | Wedge       | DI ASTM A536+EPDM ASTM D2000 |                         |
| 3        | Stem Nut    | Brass ASTM B16               | Stainless Steel CF8     |
| 4        | Stem        | Stainless Steel 316          | Stainless Steel 304/431 |
| 5        | Gasket      | EPDM ASTM D2000              |                         |
| 6        | Bonnet Bolt | Stainless Steel 304          |                         |
| 7        | Nut         | Stainless Steel 304          |                         |
| 8        | Washer      | Stainless Steel 304          |                         |
| 9        | Bonnet      | Ductile Iron ASTM A536       |                         |
| 10       | O-Ring      | EPDM ASTM D2000              |                         |
| 11       | O-Ring      | EPDM ASTM D2000              |                         |
| 12       | O-Ring      | EPDM ASTM D2000              |                         |
| 13       | Seal Ring   | Brass ASTM B16               |                         |
| 14       | O-Ring      | EPDM ASTM D2000              |                         |
| 15       | Dust Ring   | EPDM ASTM D2000              |                         |
| 16       | Gland       | Ductile Iron ASTM A536       |                         |
| 17       | Washer      | Stainless Steel 304          | Galvanized Steel        |
| 18       | Gland Bolt  | Stainless Steel 304          | Galvanized Steel        |
| 19       | Wheel       | Ductile Iron ASTM A536       |                         |
| 20       | Wheel Bolt  | Stainless Steel 304          | Galvanized Steel        |
| 21       | Washer      | Stainless Steel 304          | Galvanized Steel        |

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

| Item No.  | DN   | Dimensions(Inch) |       |       |      |          |       | Handwheel | Cap Nut |
|-----------|------|------------------|-------|-------|------|----------|-------|-----------|---------|
|           |      | D                | D1    | L     | b    | z-d      | H     | H1        |         |
| JHZ45XQ02 | 2"   | 5.98             | 4.74  | 7.01  | 0.63 | 4-Φ0.75  | 9.06  | 10.43     |         |
| JHZ45XQ25 | 2.5" | 7.01             | 5.49  | 7.48  | 0.69 | 4-Φ0.75  | 10.16 | 11.42     |         |
| JHZ45XQ03 | 3"   | 7.52             | 6.00  | 7.99  | 0.75 | 4-Φ0.75  | 11.34 | 12.64     |         |
| JHZ45XQ04 | 4"   | 9.02             | 7.50  | 9.02  | 0.94 | 8-Φ0.75  | 12.80 | 14.02     |         |
| JHZ45XQ05 | 5"   | 10.00            | 8.50  | 10.00 | 0.94 | 8-Φ0.91  | 14.45 | 15.75     |         |
| JHZ45XQ06 | 6"   | 10.98            | 9.51  | 10.51 | 1.00 | 8-Φ0.91  | 16.14 | 17.40     |         |
| JHZ45XQ08 | 8"   | 13.50            | 11.75 | 11.50 | 1.14 | 8-Φ0.91  | 19.49 | 20.24     |         |
| JHZ45XQ10 | 10"  | 15.98            | 14.25 | 12.99 | 1.20 | 12-Φ0.98 | 23.07 | 23.98     |         |
| JHZ45XQ12 | 12"  | 19.02            | 17.01 | 14.02 | 1.26 | 12-Φ0.98 | 26.38 | 27.17     |         |
| JHZ45XQ14 | 14"  | 20.98            | 18.74 | 15.00 | 1.38 | 12-Φ1.14 | 30.31 | 30.91     |         |
| JHZ45XQ16 | 16"  | 23.50            | 21.24 | 15.98 | 1.46 | 16-Φ1.14 | 33.27 | 33.86     |         |
| JHZ45XQ18 | 18"  | 25.00            | 22.75 | 17.01 | 1.56 | 16-Φ1.26 | 36.81 | 37.36     |         |
| JHZ45XQ20 | 20"  | 27.52            | 25.00 | 17.99 | 1.69 | 20-Φ1.26 | 39.76 | 40.39     |         |
| JHZ45XQ24 | 24"  | 32.01            | 29.51 | 20.00 | 1.89 | 20-Φ1.38 | 45.59 | 45.87     |         |

- Connection Ends: Flange to ASME B16.1 CL 125
- Working Pressure: 250PSI
- Temperature Range: 32 -176
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550