

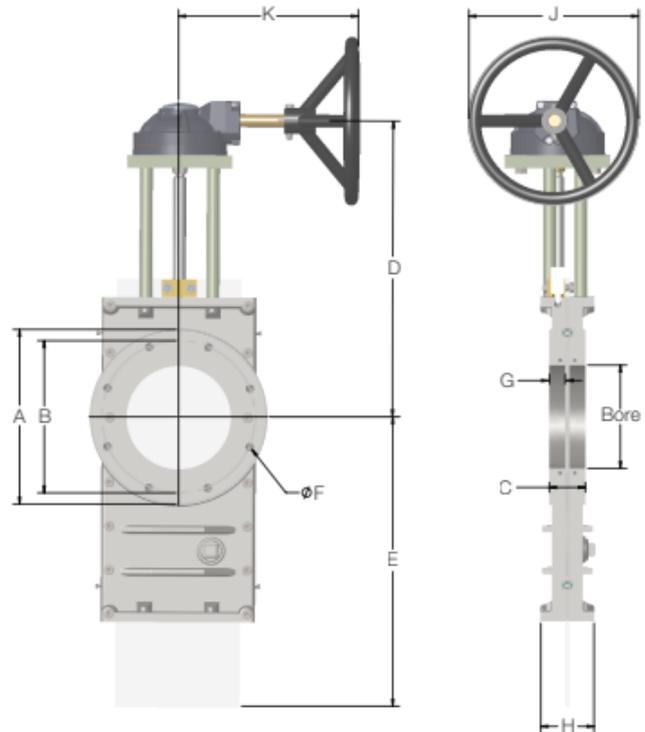
# WEY KNIFE GATE VALVE SG BEVEL GEAR OPERATED



## Data sheet

### Size 6"-24" Standard Configuration

- Design: Full Flange Body
- Materials: Solid Cast Body  
Hardened 440 Gate with hardened 410 Seat
- Full O-port Body and Gate
- Optional V-Port Gate available
- Solid Steel Heavy Duty 4-Post Topworks
- Flange Drilling: ANSI 150
- Face-to-Face: TAPPI & MSS-SP81
- Pressure Rating: Size 6"-12" 150 psi Shut-off  
Size 14"-24" 90 psi Shut-off
- Suitable for Dead-end Service
- Note:  
Bevel Gears (3:1) are recommended for 6"-10" valves  
Bevel Gears (4:1) are recommended for 12"-20" valves  
Bevel Gears (6:1) are recommended for 24" and larger valves
- Consult factory for special applications



| Bore | A     | B     | C    | D     | E     | F            | G    | H     | J   | Bolts   | ⊕  | Op. Pressure | Weight   |
|------|-------|-------|------|-------|-------|--------------|------|-------|-----|---------|----|--------------|----------|
| 6"   | 11.00 | 9.50  | 2.25 | 28.75 | 15.75 | ¾" - 10      | 0.75 | 4.33  | 12" | 8 pcs.  | 4  | 150 psi      | 196 lbs  |
| 8"   | 13.50 | 11.75 | 2.75 | 32.75 | 22.33 | ¾" - 10      | 0.87 | 4.84  | 12" | 8 pcs.  | 4  | 150 psi      | 296 lbs  |
| 10"  | 16.00 | 14.25 | 2.75 | 36.00 | 27.45 | 7/8" - 9     | 0.87 | 5.75  | 18" | 12 pcs. | 8  | 150 psi      | 400 lbs  |
| 12"  | 19.00 | 17.00 | 3.00 | 41.00 | 32.67 | 7/8" - 9     | 0.87 | 5.90  | 18" | 12 pcs. | 8  | 150 psi      | 603 lbs  |
| 14"  | 21.00 | 18.50 | 3.00 | 45.50 | 36.33 | 1" - 8       | 0.87 | 7.17  | 18" | 12 pcs. | 8  | 90 psi       | 733 lbs  |
| 16"  | 23.50 | 21.25 | 3.50 | 50.50 | 43.00 | 1" - 8       | 1.00 | 7.87  | 18" | 16 pcs. | 8  | 90 psi       | 983 lbs  |
| 18"  | 25.00 | 22.75 | 3.50 | 54.50 | 49.23 | 1 - 1/8" - 7 | 1.00 | 9.45  | 18" | 16 pcs. | 8  | 90 psi       | 1500 lbs |
| 20"  | 27.50 | 25.00 | 4.50 | 58.00 | 59.39 | 1 - 1/8" - 7 | 1.37 | 9.85  | 24" | 20 pcs. | 12 | 90 psi       | 1843 lbs |
| 24"  | 32.00 | 29.50 | 4.50 | 63.50 | 64.20 | 1 - 1/8" - 7 | 1.50 | 10.63 | 24" | 20 pcs. | 12 | 90 psi       | 2419 lbs |

⊕ = Number of Blind Tapped Holes in Chest