

## Gate Valve



### Product structural features

Gate valve seal acc. to DIN is applicable to the cutting and connection of pipelines medium that are used in various industries such as petroleum, chemical industry, pharmacy, chemical fertilizer, electric power industry, etc under nominal pressure of PN1.6~16MPa and working temperature within industries -110~600°C.

### Main structural features

1. This product has logical structure, reliable seal, excellent performance and nice design.
2. The seal surface is build-up welding with Wc-Co hard alloy, which is attrition-resistant, corrosion-resistant, has good friction resistant and long life.
3. The stem quenched and tempered, and its surface is treated by nitrating treatment, thus it has good corrosion resistant and friction resistant.
4. It has double seal capability, which is more reliable.
5. The part material, flange and butt weld end dimension may be selected according to current operating condition and users' requirement, so that meeting the requirements of various engineering.

### Technical specification

Structural Formation: BB-BG-OS & Y  
Driving Manner: Hand-Operated  
Driving Manner: Electric-Actuated  
Design Standard: DIN3352  
Face to Face: DIN3202  
Flange Ends: DIN2543-2547  
Test & Inspection: DIN3230

Notes: The size of serial, valve connecting flange can be design according to customers' requirement.

API SERIES

DIN SERIES

JIS SERIES

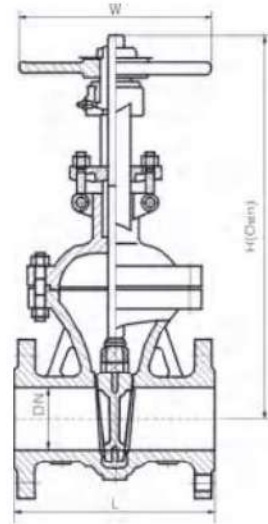
Products performance specification

| Nominal Pressure (MPa) | Shell Test (MPa) | Sealing Test (MPa) | Suitable Temp (°C) | Suitable Medium |
|------------------------|------------------|--------------------|--------------------|-----------------|
| 1.6                    | 2.4              | 1.76               | -110~600°C         | Water Oil & Gas |
| 2.5                    | 3.75             | 2.75               |                    |                 |
| 4.0                    | 6.0              | 4.4                |                    |                 |
| 6.4                    | 9.6              | 7.04               |                    |                 |

# DIN Gate Valve TRG-64D

## Technical specification

- ⊙ Structural Formation: BB-BG-OS & Y
  - ⊙ Driving Manner: Hand-Operated
  - ⊙ Driving Manner: Electric-Actuated
  - ⊙ Design Standard: DIN3352
  - ⊙ Face to Face: DIN3202
  - ⊙ Flange Ends: DIN2543-2547
  - ⊙ Test & Inspection: DIN3230
- ⊙ Notes: The size of serial, valve connecting flange can be design according to customers' requirement.



API SERIES

DIN SERIES

JIS SERIES

### Main part material of Cast steel

|                                |        |      |     |        |     |        |        |  |  |  |  |  |
|--------------------------------|--------|------|-----|--------|-----|--------|--------|--|--|--|--|--|
| <b>Body</b>                    | GS-C25 |      |     |        |     |        |        |  |  |  |  |  |
| <b>Wedge Disc</b>              | GS-C25 |      |     | 1.4308 |     |        | 1.4408 |  |  |  |  |  |
| <b>Stem</b>                    | 13Cr   |      |     | 1.4308 |     |        | 1.4408 |  |  |  |  |  |
| <b>Wedge Disc Sealing Face</b> | 13Cr   | 13Cr | STL | 1.4308 | STL | 1.4408 | STL    |  |  |  |  |  |
| <b>Seat Ring Sealing Face</b>  | 13Cr   | STL  | STL | 1.4308 | STL | 1.4408 | STL    |  |  |  |  |  |

### Main part material of Stainless steel

|                                |        |        |     |        |        |     |        |        |     |        |        |     |
|--------------------------------|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|
| <b>Body</b>                    | 1.4308 |        |     | 1.4408 |        |     | 1.4306 |        |     | 1.4301 |        |     |
| <b>Wedge Disc</b>              | 1.4308 |        |     | 1.4408 |        |     | 1.4306 |        |     | 1.4301 |        |     |
| <b>Stem</b>                    | F304   |        |     | 1.4408 |        |     | 1.4306 |        |     | 1.4301 |        |     |
| <b>Wedge Disc Sealing Face</b> | 1.4308 | 1.4308 | STL | 1.4408 | 1.4408 | STL | 1.4306 | 1.4306 | STL | 1.4301 | 1.4301 | STL |
| <b>Seat Ring Sealing Face</b>  | 1.4308 | STL    | STL | 1.4408 | STL    | STL | 1.4306 | STL    | STL | 1.4301 | STL    | STL |

Subject to change without prior notice

# DIN Gate Valve TRG-64D

Size main dimensions of Gate Valve

| Pressure (MPa) |    | PN1.6MPa |     |     |     |     |     |     |      |      |      |      |      |      |      |
|----------------|----|----------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| Size           | mm | 50       | 65  | 80  | 100 | 125 | 150 | 200 | 250  | 300  | 350  | 400  | 450  | 500  | 600  |
| L              |    | 250      | 270 | 280 | 300 | 325 | 350 | 400 | 450  | 500  | 550  | 600  | 650  | 700  | 800  |
| H              |    | 417      | 452 | 530 | 607 | 720 | 790 | 885 | 1014 | 1190 | 1350 | 1460 | 1630 | 1800 | 2200 |
| W              |    | 200      | 280 | 280 | 300 | 350 | 350 | 400 | 450  | 500  | 600  | 600  | 650  | 700  | 800  |
| Weight(kg)     |    | 16       | 25  | 30  | 55  | 75  | 98  | 150 | 245  | 353  | 490  | 750  | 985  | 1063 | 1390 |
| Pressure (MPa) |    | PN2.5MPa |     |     |     |     |     |     |      |      |      |      |      |      |      |
| Size           | mm | 50       | 65  | 80  | 100 | 125 | 150 | 200 | 250  | 300  | 350  | 400  | 450  | 500  | 600  |
| L              |    | 250      | 270 | 280 | 300 | 325 | 350 | 400 | 450  | 500  | 550  | 600  | 650  | 700  | 800  |
| H              |    | 417      | 452 | 530 | 607 | 720 | 790 | 885 | 1014 | 1190 | 1350 | 1460 | 1630 | 1800 | 2200 |
| W              |    | 200      | 280 | 280 | 300 | 350 | 350 | 400 | 450  | 500  | 600  | 600  | 650  | 700  | 800  |
| Weight(kg)     |    | 16       | 31  | 43  | 58  | 82  | 103 | 180 | 265  | 385  | 547  | 835  | 1050 | 1130 | 1500 |
| Pressure (MPa) |    | PN4.0MPa |     |     |     |     |     |     |      |      |      |      |      |      |      |
| Size           | mm | 50       | 65  | 80  | 100 | 125 | 150 | 200 | 250  | 300  | 350  | 400  | 450  | 500  | 600  |
| L              |    | 250      | 290 | 310 | 350 | 400 | 450 | 550 | 650  | 750  | 850  | 950  | 1050 | 1150 | 1350 |
| H              |    | 404      | 456 | 604 | 607 | 720 | 780 | 875 | 1260 | 1480 | 1605 | 1788 | 1956 | 2168 | 2601 |
| W              |    | 200      | 280 | 300 | 350 | 350 | 400 | 450 | 500  | 500  | 600  | 650  | 700  | 700  | 800  |
| Weight(kg)     |    | 18       | 32  | 47  | 60  | 95  | 130 | 220 | 290  | 490  | 760  | 900  | 1250 | 1450 | 1700 |
| Pressure (MPa) |    | PN6.4MPa |     |     |     |     |     |     |      |      |      |      |      |      |      |
| Size           | mm | 50       | 65  | 80  | 100 | 125 | 150 | 200 | 250  | 300  | 350  | 400  | 450  | 500  | 600  |
| L              |    | 250      | 290 | 310 | 350 | 400 | 450 | 550 | 650  | 750  | 850  | 950  | 1050 | 1150 | 1350 |
| H              |    | 404      | 456 | 604 | 607 | 720 | 780 | 875 | 1260 | 1480 | 1605 | 1788 | 1956 | 2168 | 2601 |
| W              |    | 200      | 280 | 300 | 350 | 350 | 400 | 450 | 500  | 500  | 600  | 650  | 700  | 700  | 800  |
| Weight(kg)     |    | 20       | 35  | 52  | 66  | 103 | 140 | 230 | 300  | 510  | 780  | 940  | 1300 | 1600 | 1850 |

API SERIES

DIN SERIES

JIS SERIES