

**Fig no. GTF-300**

**1/2" - 4" DN15- DN100**



### Features:

Flexible wedge,  
OS & Yoke design, Body Bolted type  
Rising stem design, Non rising handwheel  
Integral seat  
For General Chemical and Industrial application

### Standard Compliance :

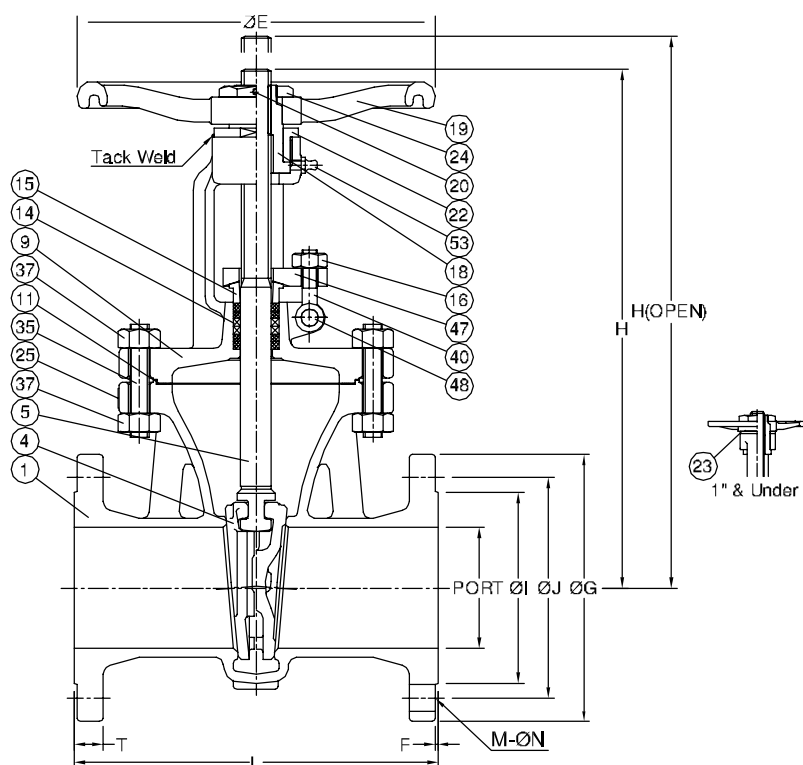
Design per API 603  
Body wall thickness : ANSI B16.34  
Face to face : ANSI B16.10 class 300  
Flange dimension : ANSI B16.5 class 300 RF  
Body material : A890 6A/ A351 CD3MWCuN  
Pressure testing : EN 12266-1/ API 598

### Specification :

End connection : Flange end  
Working pressure : 750 psi ( CWP )  
Temperature : -20 ~ 180 C

### Options :

1. Gasket/ stem packing to be Graphite
2. Flange face smooth finished



### MATERIALS LIST

| NO. | NAME PARTS     | MATERIALS                        |
|-----|----------------|----------------------------------|
| 1   | BODY           | ASTM A890 Gr.6A                  |
| 4   | WEDGE          | ASTM A890 Gr.6A (FLEXIBLE WEDGE) |
| 5   | STEM           | ASTM A479 Gr.S32750              |
| 9   | BONNET         | ASTM A890 Gr.6A                  |
| 11  | GASKET         | PTFE.                            |
| 14  | PACKING        | PTFE.                            |
| 15  | GLAND          | ASTM A479 Gr.S32750              |
| 16  | EYE BOLT NUT   | ASTM A194 Gr.8 (HEAVY)           |
| 18  | SLEEVE         | ASTM A394 Gr.D2C (1-1/2" ~ 12")  |
| 19  | HANDWHEEL      | ASTM A536 DUCTILE IRON           |
| 20  | SET SCREW      | ASTM A193 Gr.B8                  |
| 22  | STEM NUT       | ASTM A351 Gr.CF8                 |
| 23  | WASHER         | ASTM A276 Gr.304 (1" UNDER)      |
| 24  | HANDWHEEL NUT  | ASTM A351 Gr.CF8                 |
| 25  | NAME PLATE     | ASTM A666-304                    |
| 35  | BONNET STUD    | ASTM A193 Gr.B8 CLASS 2          |
| 37  | BONNET NUT     | ASTM A194 Gr.8 (HEAVY)           |
| 40  | EYE BOLT       | ASTM A193 Gr.B8                  |
| 47  | GLAND FLANGE   | ASTM A351 Gr.CF8                 |
| 48  | EYE BOLT PIN   | ASTM A276 Gr.304                 |
| 53  | GREASE FITTING | ANSI 304 (1-1/2" ABOVE)          |

### DIMENSIONS

| SIZE  | PORT   | L     | ØE    | H     | H(OPEN) | ØG    | ØJ    | ØI    | T     | F    | M   | ØN     |
|-------|--------|-------|-------|-------|---------|-------|-------|-------|-------|------|-----|--------|
| DN15  | 1/2"   | 15.0  | 139.7 | 100.1 | 182.9   | 200.9 | 95.3  | 66.5  | 35.1  | 14.2 | 1.6 | 4 15.9 |
| DN20  | 3/4"   | 19.1  | 152.4 | 100.1 | 201.9   | 225.0 | 117.3 | 82.6  | 42.9  | 15.7 | 1.6 | 4 19.1 |
| DN25  | 1"     | 25.4  | 165.1 | 150.1 | 239.0   | 268.0 | 124.0 | 88.9  | 50.8  | 17.5 | 1.6 | 4 19.1 |
| DN40  | 1-1/2" | 38.1  | 190.5 | 199.9 | 268.0   | 310.9 | 155.4 | 114.3 | 73.2  | 20.6 | 1.6 | 4 22.2 |
| DN50  | 2"     | 50.8  | 215.9 | 199.9 | 301.0   | 359.9 | 165.1 | 127.0 | 91.9  | 22.4 | 1.6 | 8 19.1 |
| DN65  | 2-1/2" | 63.5  | 241.0 | 199.9 | 334.0   | 406.9 | 190.5 | 149.4 | 104.9 | 25.4 | 1.6 | 8 22.2 |
| DN80  | 3"     | 79.0  | 282.7 | 300.0 | 368.0   | 454.9 | 209.6 | 168.1 | 127.0 | 28.4 | 1.6 | 8 22.2 |
| DN100 | 4"     | 101.6 | 304.8 | 300.0 | 436.1   | 547.9 | 254.0 | 200.2 | 157.2 | 31.8 | 1.6 | 8 22.2 |