

## GATE VALVE: THREADED

Stainless Steel

### FEATURES

- ◆ Full port 200WOG gate valve
- ◆ Working pressure: 200PSI
- ◆ Non-rising stem
- ◆ Disc: ASTM A351 CF8M
- ◆ Body: ASTM A351 CF8M
- ◆ Threaded bonnet
- ◆ Adjustable stem packing
- ◆ NPT threaded end connections
- ◆ Temperature range: -58°F to 350°F (-50°C to 176°C)
- ◆ Test standard: API 598
- ◆ Open/close position indicator

### OPTION

- ◆ Padlocking device
- ◆ Graduated open/close position indicator



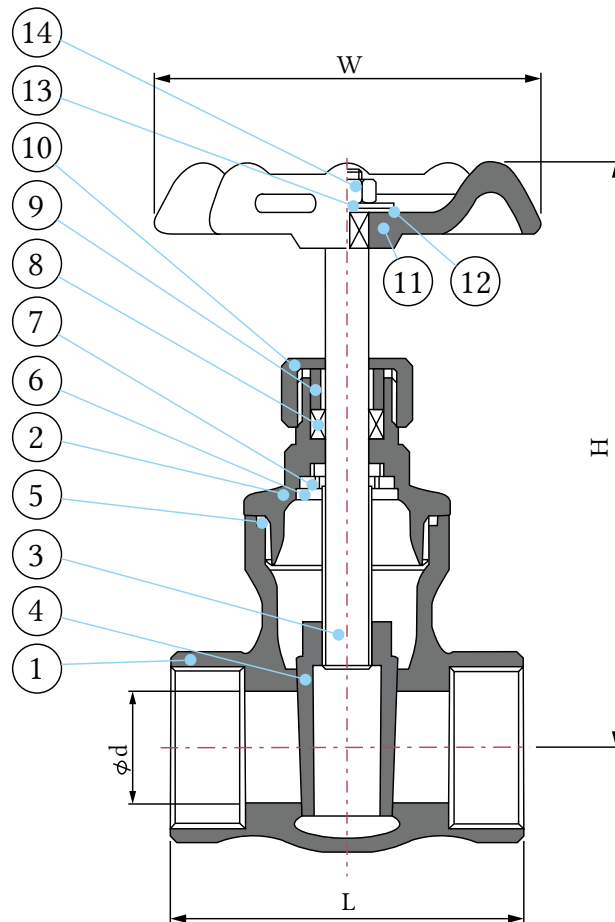
# GATE VALVE: THREADED

Stainless Steel

| DIMENSIONS |      |       |      |      |     |      |
|------------|------|-------|------|------|-----|------|
| SIZE       | d    | W     | H    | L    | CV  | WT   |
| ½"         | 16.1 | 70    | 98.6 | 57   | 15  | 1.15 |
| ¾"         | 20.3 | 70    | 103  | 60.5 | 37  | 1.39 |
| 1"         | 26   | 76.5  | 115  | 67   | 72  | 1.78 |
| 1 ½"       | 31.8 | 103.5 | 173  | 87   | 165 | 4.41 |
| 2"         | 50.3 | 121   | 189  | 95   | 320 | 6.21 |

\* All dimensions recorded in millimeters

| MATERIALS LIST |                   |                 |     |
|----------------|-------------------|-----------------|-----|
| No             | PART              | MATERIAL        | QTY |
| 1              | BODY              | ASTM A351 CF8M  | 1   |
| 2              | BONNET            | ASTM A351 CF8M  | 1   |
| 3              | STEM              | ASTM A276 316SS | 1   |
| 4              | DISC              | ASTM A351 CF8M  | 1   |
| 5              | GASKET            | PTFE            | 1   |
| 6              | STOP RING         | 304SS           | 1   |
| 7              | STEM HOLDER       | 316SS           | 1   |
| 8              | STEM PACKING      | PTFE            | 1   |
| 9              | GLAND             | 304SS           | 1   |
| 10             | GLAND NUT         | 316SS           | 1   |
| 11             | HAND WHEEL        | 400SS           | 1   |
| 12             | INDICATOR PLATE   | ALUMINUM        | 1   |
| 13             | HAND WHEEL WASHER | 304SS           | 1   |
| 14             | HAND WHEEL NUT    | 304SS           | 1   |



# THERMOFLEX

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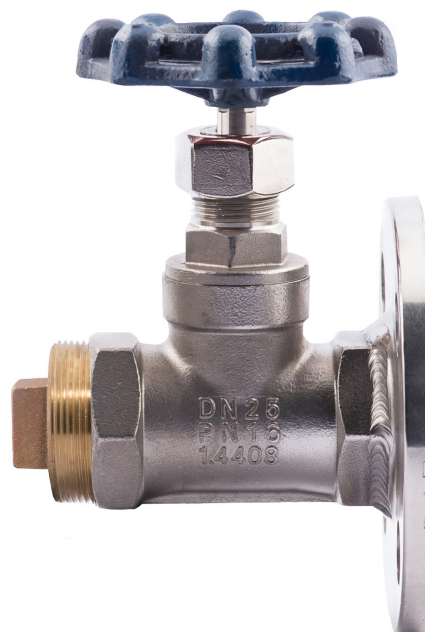
## **GATE VALVE: THREADED X FLANGED (B16.5)** Stainless Steel

### **FEATURES**

- ◆ Full port 200WOG gate valve
- ◆ Working pressure: 200PSI\*
- ◆ Non-rising stem
- ◆ Disc: ASTM A351 CF8M
- ◆ Body: ASTM A351 CF8M
- ◆ Threaded bonnet
- ◆ Flange: 316SS Class 150 ANSI B16.5
- ◆ Square-head pipe plug: brass
- ◆ Adjustable stem packing
- ◆ Temperature range: -58°F to 350°F  
(-50°C to 176°C)
- ◆ Test standard: API 598
- ◆ Open/close position indicator

### **OPTION**

- ◆ Square-head pipe plug:  
available in 304SS/316SS
- ◆ Flange: available in 304SS
- ◆ Padlocking device
- ◆ Graduated open/close  
position indicator



\* Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.

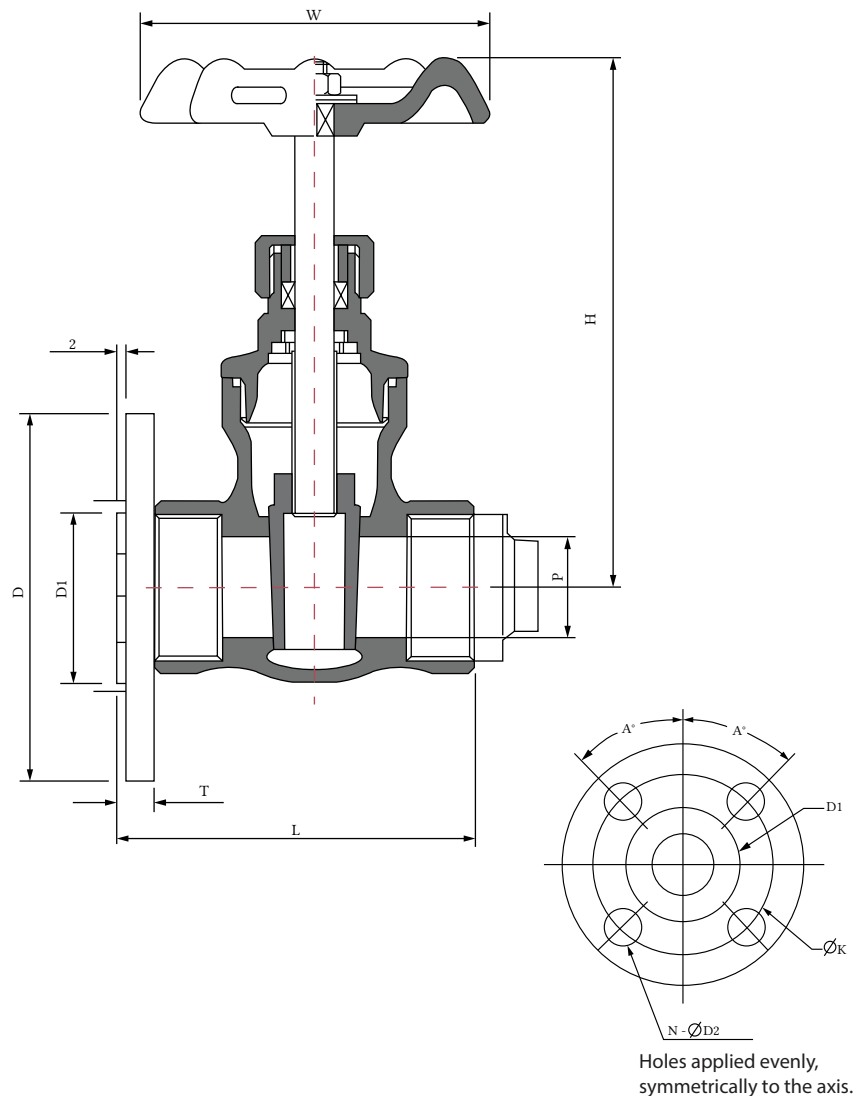
# GATE VALVE: THREADED X FLANGED (B16.5)

Stainless Steel

| DIMENSIONS |       |       |       |      |     |   |    |          |       |      |    |
|------------|-------|-------|-------|------|-----|---|----|----------|-------|------|----|
| SIZE       | L+/-5 | D     | K     | D1   | H   | N | D2 | P        | W     | T    | a  |
| ½"         | 68    | 89    | 60.4  | 35   | 98  | 4 | 16 | NPT ½"   | 70    | 11.2 | 45 |
| ¾"         | 73    | 98.5  | 70    | 42.9 | 103 | 4 | 16 | NPT ¾"   | 70    | 12.7 | 45 |
| 1"         | 81    | 108   | 79    | 50.8 | 115 | 4 | 16 | NPT 1"   | 76.5  | 14.2 | 45 |
| 1 ½"       | 104   | 127   | 99    | 73.1 | 173 | 4 | 16 | NPT 1 ½" | 103.5 | 17.2 | 45 |
| 2"         | 114   | 152.4 | 120.6 | 92   | 189 | 4 | 19 | NPT 2"   | 121   | 19   | 45 |

\* All dimensions recorded in millimeters

| MATERIALS LIST    |                 |     |
|-------------------|-----------------|-----|
| PART              | MATERIAL        | QTY |
| BODY              | ASTM A351 CF8M  | 1   |
| BONNET            | ASTM A351 CF8M  | 1   |
| STEM              | ASTM A276 316SS | 1   |
| DISC              | ASTM A351 CF8M  | 1   |
| GASKET            | PTFE            | 1   |
| STOP RING         | 304SS           | 1   |
| STEM HOLDER       | 316SS           | 1   |
| STEM PACKING      | PTFE            | 1   |
| GLAND             | 304SS           | 1   |
| GLAND NUT         | 316SS           | 1   |
| HAND WHEEL        | 400SS           | 1   |
| INDICATOR PLATE   | ALUMINUM        | 1   |
| HAND WHEEL WASHER | 304SS           | 1   |
| HAND WHEEL NUT    | 304SS           | 1   |
| PIPE PLUG         | BRASS           | 1   |
| FLANGE            | 316SS           | 1   |



# THERMOFLEX

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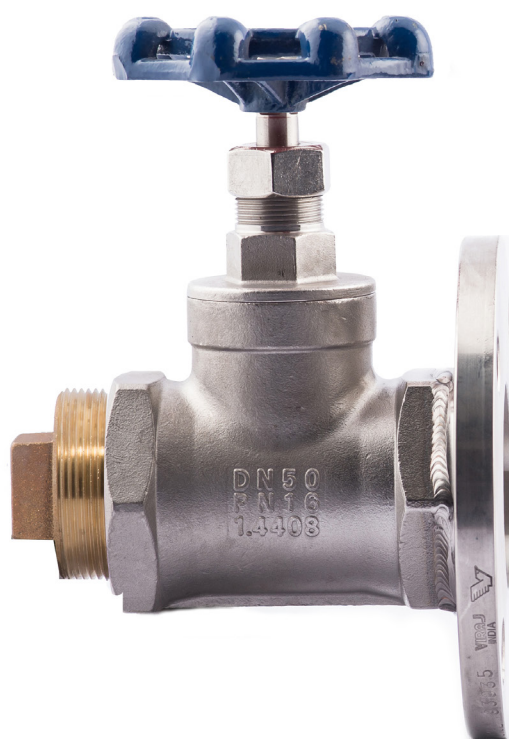
## **GATE VALVE: THREADED X FLANGED (B16.24)** Stainless Steel

### **FEATURES**

- ◆ Full port 200WOG gate valve
- ◆ Working pressure: 200PSI\*
- ◆ Non-rising stem
- ◆ Disc: ASTM A351 CF8M
- ◆ Body: ASTM A351 CF8M
- ◆ Threaded bonnet
- ◆ Flange: 316SS Class 150 ANSI B16.24
- ◆ Square-head pipe plug: brass
- ◆ Adjustable stem packing
- ◆ Temperature range: -58°F to 350°F  
(-50°C to 176°C)
- ◆ Test standard: API 598
- ◆ Open/close position indicator

### **OPTION**

- ◆ Square-head pipe plug:  
available in 304SS/316SS
- ◆ Flange: available in 304SS
- ◆ Padlocking device
- ◆ Graduated open/close  
position indicator



\* Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.

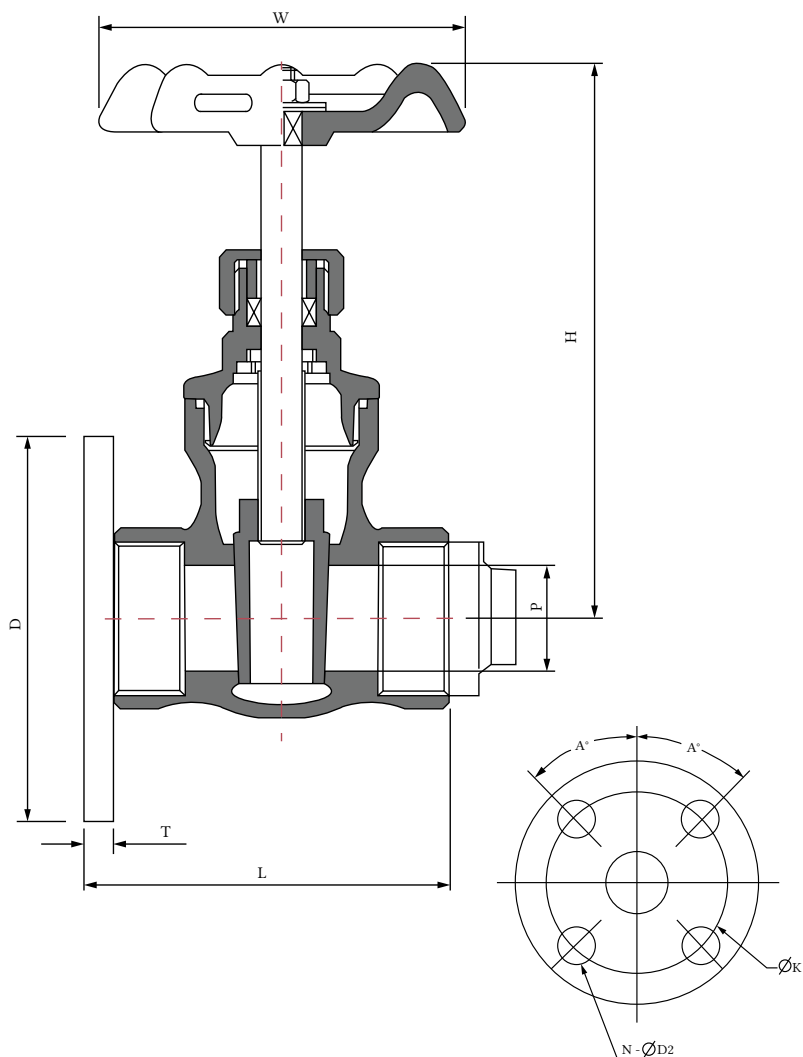
# GATE VALVE: 2-PIECE THREADED X FLANGED (B16.24) SAMPLER

Stainless Steel

| DIMENSIONS |       |       |       |     |   |    |          |       |       |    |
|------------|-------|-------|-------|-----|---|----|----------|-------|-------|----|
| SIZE       | L+/-5 | D     | K     | H   | N | D2 | P        | W     | T min | a  |
| ½"         | 65    | 89    | 60.4  | 98  | 4 | 16 | NPT ½"   | 70    | 8     | 45 |
| ¾"         | 69    | 98.5  | 70    | 103 | 4 | 16 | NPT ¾"   | 70    | 8.75  | 45 |
| 1"         | 76    | 108   | 79    | 115 | 4 | 16 | NPT 1"   | 76.5  | 9.5   | 45 |
| 1 ½"       | 98    | 127   | 99    | 173 | 4 | 16 | NPT 1 ½" | 103.5 | 11    | 45 |
| 2"         | 108   | 152.4 | 120.6 | 189 | 4 | 19 | NPT 2"   | 121   | 12.75 | 45 |

\* All dimensions recorded in millimeters

| MATERIALS LIST    |                 |     |
|-------------------|-----------------|-----|
| PART              | MATERIAL        | QTY |
| BODY              | ASTM A351 CF8M  | 1   |
| BONNET            | ASTM A351 CF8M  | 1   |
| STEM              | ASTM A276 316SS | 1   |
| DISC              | ASTM A351 CF8M  | 1   |
| GASKET            | PTFE            | 1   |
| STOP RING         | 304SS           | 1   |
| STEM HOLDER       | 316SS           | 1   |
| STEM PACKING      | PTFE            | 1   |
| GLAND             | 304SS           | 1   |
| GLAND NUT         | 316SS           | 1   |
| HAND WHEEL        | 400SS           | 1   |
| INDICATOR PLATE   | ALUMINUM        | 1   |
| HAND WHEEL WASHER | 304SS           | 1   |
| HAND WHEEL NUT    | 304SS           | 1   |
| PIPE PLUG         | BRASS           | 1   |
| FLANGE            | 316SS           | 1   |



Holes applied evenly,  
symmetrically to the axis.

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## **GATE VALVE: FLANGED X FLANGED – CLASS 150 (B16.5/B16.10)**

Stainless Steel

### **FEATURES**

- ◆ Full port Class 150 gate valve
- ◆ Steam rating: 125PSI WSP
- ◆ Rising stem OS&Y
- ◆ Disc: ASTM A351 CF8M
- ◆ Body: ASTM A351 CF8M
- ◆ Stem: 316SS
- ◆ Packing: PTFE
- ◆ Temperature range: -58°F to 450°F  
(-50°C to 232°C)
- ◆ Test standard: API 598
- ◆ Face to face: ANSI B16.10
- ◆ Flange: Class 150 ANSI B16.5
- ◆ Open/close position indicator
- ◆ NACE MR-0175 full compliance

### **OPTION**

- ◆ Padlocking device
- ◆ Graduated open/close position indicator
- ◆ Class 300



These valves are also available in cast steel; dimensions can be specified in Metric, U.S. Standard or JIS.

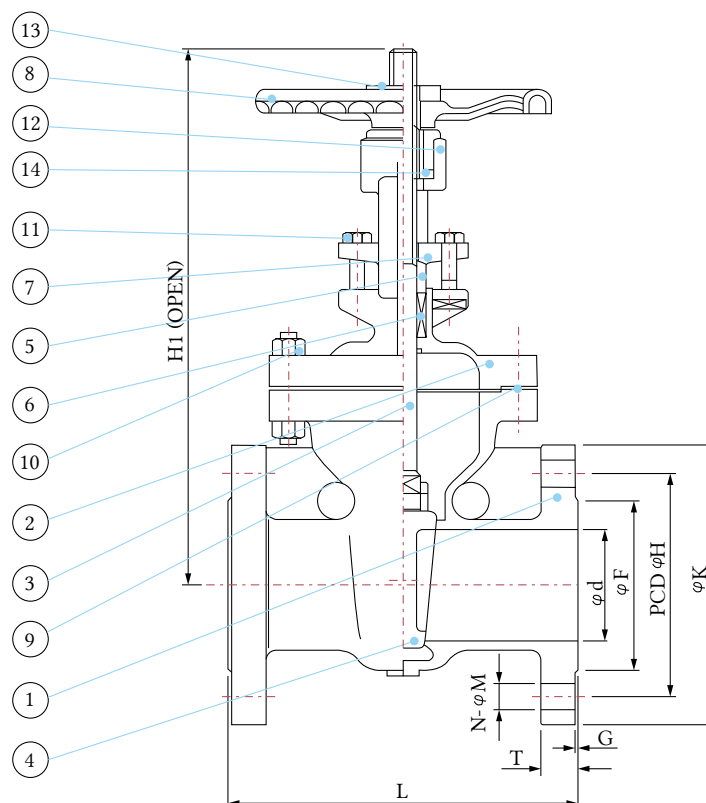
# GATE VALVE: FLANGED X FLANGED – CLASS 150 (B16.5/B16.10)

Stainless Steel

| DIMENSIONS |     |     |      |       |       |     |      |     |      |    |      |        |
|------------|-----|-----|------|-------|-------|-----|------|-----|------|----|------|--------|
| SIZE       | d   | L   | H1   | K     | H     | F   | T    | G   | M    | N  | CV   | WT     |
| ½"         | 15  | 108 | 204  | 89    | 60.5  | 35  | 11.2 | 1.6 | 15.7 | 4  | 19   | 7.49   |
| ¾"         | 20  | 117 | 209  | 98.5  | 70    | 43  | 11.2 | 1.6 | 15.7 | 4  | 36   | 9.91   |
| 1"         | 25  | 127 | 229  | 108   | 79.5  | 51  | 11.2 | 1.6 | 15.7 | 4  | 57   | 12.11  |
| 1 ¼"       | 32  | 140 | 270  | 117.5 | 89    | 64  | 14.3 | 1.6 | 15.7 | 4  | 100  | 14.32  |
| 1 ½"       | 40  | 165 | 283  | 127   | 98.5  | 73  | 14.3 | 1.6 | 15.7 | 4  | 120  | 19.82  |
| 2"         | 50  | 178 | 332  | 152.5 | 120.5 | 92  | 15.9 | 1.6 | 19   | 4  | 140  | 25.33  |
| 2 ½"       | 65  | 190 | 397  | 178   | 139.5 | 105 | 17.5 | 1.6 | 19   | 4  | 240  | 39.66  |
| 3"         | 80  | 203 | 439  | 190.5 | 152.5 | 127 | 19.1 | 1.6 | 19   | 4  | 360  | 44.05  |
| 4"         | 100 | 229 | 518  | 229   | 190.5 | 157 | 23.9 | 1.6 | 19   | 8  | 580  | 66.08  |
| 5"         | 125 | 254 | 621  | 254   | 216.5 | 186 | 23.9 | 1.6 | 22.3 | 8  | 950  | 96.92  |
| 6"         | 150 | 267 | 714  | 279.5 | 241.5 | 216 | 25.4 | 1.6 | 22.3 | 8  | 2400 | 123.35 |
| 8"         | 200 | 292 | 914  | 343   | 298.5 | 270 | 28.6 | 1.6 | 22.3 | 8  | 4200 | 180.62 |
| 10"        | 250 | 330 | 1108 | 406.5 | 362   | 324 | 30.2 | 1.6 | 25.4 | 12 | 6800 | 290.75 |
| 12"        | 300 | 356 | 1553 | 482.5 | 432   | 381 | 31.8 | 1.6 | 25.4 | 12 | 9900 | 432.82 |

\* All dimensions recorded in millimeters

| MATERIALS LIST |                           |                                |      |
|----------------|---------------------------|--------------------------------|------|
| No             | PART                      | MATERIAL                       | QTY  |
| 1              | BODY                      | ASTM A351 CF8M                 | 1    |
| 2              | BONNET                    | ASTM A351 CF8M                 | 1    |
| 3              | STEM                      | ASTM A276 316                  | 1    |
| 4              | DISC                      | ASTM A351 CF8M                 | 1    |
| 5              | GLAND                     | ASTM A351 CF8M                 | 1    |
| 6              | GLAND PACKING             | PTFE                           | 1    |
| 7              | GLAND FLANGE              | ASTM A351 CF8M                 | 1    |
| 8              | HAND WHEEL                | ASTM A536 B65-45-12            | 1    |
| 9              | GASKET                    | PTFE                           | 1    |
| 10             | BONNET BOLT/NUT           | ASTM A193 B8/<br>ASTM A194 GR8 | 4-16 |
| 11             | GLAND BOLT/NUT            | ASTM A193 B8/<br>ASTM A194 GR8 | 2    |
| 12             | YOKE SLEEVE               | BRONZE                         | 1    |
| 13             | HAND WHEEL NUT            | STEEL                          | 1    |
| 14             | YOKE SLEEVE NUT           | 304SS                          | 1    |
| 15             | LOCKING DEVICE<br>OPTION* | 304SS                          | 1    |



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