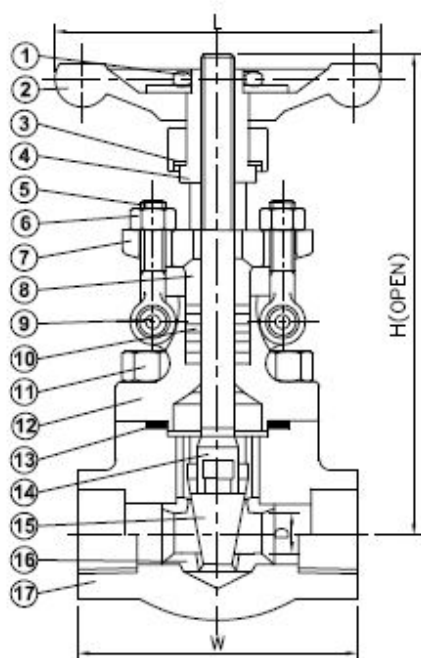


## FORGED STEEL GATE VALVES (API 602)



### SERIES 850

CLASS 800, RISING STEM, STANDARD PORT, THREADED ENDS & SOCKET WELD ENDS, BOLTED BONNET, HALF STELLITE TRIM, API 602 DESIGEND.



850-TF



#### MATERIALS LIST:

| NO. | PART          | SPECIFICATION    | NACE             |
|-----|---------------|------------------|------------------|
| 1   | LOCK NUT      | A194-2H          | A194-2HM         |
| 2   | HANDWHEEL     | MALLEABLE IRON   | MALLEABLE IRON   |
| 3   | WASHER        | ASTM A276 430    | ASTM A276 430    |
| 4   | STEM NUT      | ASTM A276 410    | ASTM A276 410    |
| 5   | EYE BOLT      | ASTM A193 B7     | ASTM A193 B7M    |
| 6   | EYE BOLT NUT  | ASTM A194 2H     | ASTM A194 2HM    |
| 7   | GLAND FLANGE  | ASTM A105        | ASTM A105        |
| 8   | PACKING GLAND | ASTM A276 410    | ASTM A276 410    |
| 9   | EYE BOLT PIN  | ASTM A276 410    | ASTM A276 410    |
| 10  | PACKING       | GRAPHITE         | GRAPHITE         |
| 11  | BOLT          | ASTM A193 B7     | ASTM A193 B7M    |
| 12  | BONNET        | ASTM A105        | ASTM A105        |
| 13  | GASKET        | 304+GRAPHITE     | 304+GRAPHITE     |
| 14  | STEM          | ASTM A276 410    | ASTM A276 410    |
| 15  | WEDGE         | ASTM A276 420    | ASTM A276 420    |
| 16  | SEAT RING     | ASTM A276 410+HF | ASTM A276 410+HF |
| 17  | BODY          | ASTM A105        | ASTM A105        |

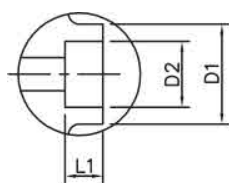
#### OPTIONS: (Code: Description)

FT: Full Stellite Trim.

BB: Welded Bonnet.

LF2,316SS, and other steel -alloys materials are available.

Full-Stellite and other trim materials are available.



SOCKET WELD ENDS

#### DIMENSIONS OF SOCKET WELD ENDS

| SIZE   |    | D1   |    | D2   |      | L1   |      |
|--------|----|------|----|------|------|------|------|
| IN     | MM | IN   | MM | IN   | MM   | IN   | MM   |
| 1/2"   | 15 | 1.34 | 34 | 0.86 | 21.8 | 0.38 | 9.6  |
| 3/4"   | 20 | 1.57 | 40 | 1.07 | 27.1 | 0.50 | 12.7 |
| 1"     | 25 | 1.89 | 48 | 1.33 | 33.8 | 0.50 | 12.7 |
| 1-1/4" | 32 | 2.52 | 64 | 1.68 | 42.6 | 0.50 | 12.7 |
| 1-1/2" | 40 | 2.52 | 64 | 1.92 | 48.7 | 0.50 | 12.7 |
| 2"     | 50 | 3.07 | 78 | 2.41 | 61.1 | 0.63 | 15.9 |

#### DIMENSIONS:

| SIZE   |    | BORE | D    |      | W    |     | H     |     | L    |     |
|--------|----|------|------|------|------|-----|-------|-----|------|-----|
| IN     | MM |      | IN   | MM   | IN   | MM  | IN    | MM  | IN   | MM  |
| 1/2"   | 15 | RP   | 0.39 | 10   | 3.11 | 79  | 6.34  | 161 | 3.94 | 100 |
| 3/4"   | 20 | RP   | 0.51 | 13   | 3.62 | 92  | 6.42  | 163 | 3.94 | 100 |
| 1"     | 25 | RP   | 0.71 | 18   | 4.37 | 111 | 7.72  | 196 | 4.92 | 125 |
| 1-1/4" | 32 | RP   | 0.94 | 24   | 4.72 | 120 | 8.78  | 223 | 6.30 | 160 |
| 1-1/2" | 40 | RP   | 1.14 | 29   | 4.72 | 120 | 9.88  | 251 | 6.30 | 160 |
| 2"     | 50 | RP   | 1.44 | 36.5 | 5.51 | 140 | 11.42 | 290 | 7.09 | 180 |

DUE TO CONTINUOUS DEVELOPMENT OF OUR PRODUCTS, WE RESERVE THE RIGHT TO MODIFY OUR PRODUCT DESIGN OR CONSTRUCTION WITHOUT PRIOR NOTICE.