

# Globe Valves

## Forged Steel

**Sizes 3/8" - 2"**  
**Class 800 - 2500**



### Design and Manufacturing Standards

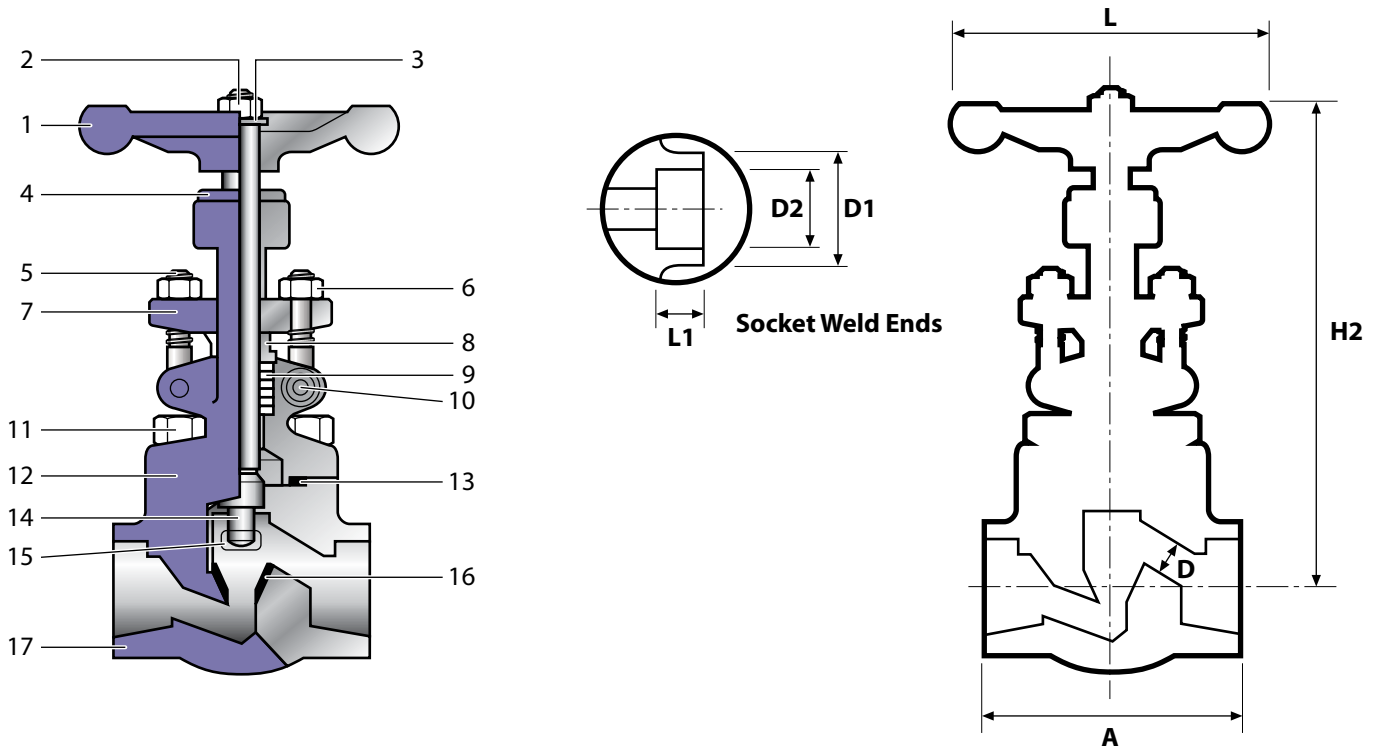
|                                  |                                  |
|----------------------------------|----------------------------------|
| <b>Basic Design</b>              | <b>API 602 &amp; ANSI B16.34</b> |
| <b>Socket Weld End Dimension</b> | <b>ANSI B16.11</b>               |
| <b>Thread End Dimension</b>      | <b>ANSI B1.20.1</b>              |
| <b>Inspection &amp; Testing</b>  | <b>API 598</b>                   |



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Class 800

3/8" - 2"



BILL OF MATERIAL

| NO | NAME OF PART  | MATERIAL  |
|----|---------------|---|
| 1  | LOCK NUT      | CARBON STEEL AISI 1020  |
| 2  | HANDWHEEL     | MALLEABLE IRON  |
| 3  | WASHER        | CARBON STEEL AISI 1020  |
| 4  | STEM NUT      | ASTM A276 410   |
| 5  | EYE BOLT      | ASTM A276 410   |
| 6  | EYE BOLT NUT  | ASTM A194 2H  |
| 7  | GLAND FLANGE  | ASTM A216 WCB   |
| 8  | PACKING GLAND | ASTM A276 410   |
| 9  | EYE BOLT PIN  | ASTM A276 410   |
| 10 | PACKING       | GRAPHITE  |
| 11 | BOLT          | ASTM A193 B7  |
| 12 | BONNET        | ASTM A105 - Also available in F5, F11, F304, F316, F51, F53, F347, and F321 |
| 13 | GASKET        | GRAPHITE  |
| 14 | STEM          | ASTM A276 410   |
| 15 | DISC          | ASTM A276 420   |
| 16 | SEAT          | INTEGRAL+HF   |
| 17 | BODY          | ASTM A105 - Also available in F5, F11, F304, F316, F51, F53, F347, and F321 |

DIMENSIONS OF SOCKET WELD ENDS

| VALVE SIZE | in | .375 | .5   | .75  | 1    | 1.25 | 1.5  | 2    | VALVE SIZE | in | .375 | .5   | .75  | 1    | 1.25 | 1.5   | 2     |
|------------|----|------|------|------|------|------|------|------|------------|----|------|------|------|------|------|-------|-------|
|            | mm | 10   | 13   | 19   | 25   | 32   | 38   | 51   |            | mm | 10   | 13   | 19   | 25   | 32   | 38    | 51    |
| D          | in | .39  | .51  | .69  | .91  | 1.18 | 1.38 | 1.81 | A          | in | 3.11 | 3.62 | 4.37 | 4.72 | 4.7  | 5.51  | 7     |
|            | mm | 10   | 13   | 17.5 | 23   | 30   | 35   | 46   |            | mm | 79   | 92   | 111  | 120  | 120  | 140   | 178   |
| D1         | in | 1.34 | 1.34 | 1.57 | 1.89 | 2.52 | 2.52 | 3.07 | H2         | in | 6.57 | 6.57 | 8.03 | 8.98 | 9.92 | 11.61 | 12.87 |
|            | mm | 34   | 34   | 40   | 48   | 64   | 64   | 78   |            | mm | 167  | 167  | 204  | 228  | 252  | 295   | 327   |
| D2         | in | .69  | .86  | 1.07 | 1.33 | 1.68 | 1.92 | 2.41 | L          | in | 3.94 | 3.94 | 4.92 | 6.30 | 6.30 | 7.09  | 7.87  |
|            | mm | 17.6 | 21.8 | 27.1 | 33.8 | 42.6 | 48.7 | 61.1 |            | mm | 100  | 100  | 125  | 160  | 160  | 180   | 200   |
| -          | -  | -    | -    | -    | -    | -    | -    | -    | L1         | in | .38  | .38  | .5   | .5   | .5   | .5    | .63   |
|            | mm | 9.6  | 9.6  | 12.7 | 12.7 | 12.7 | 12.7 | 15.9 |            |    |      |      |      |      |      |       |       |