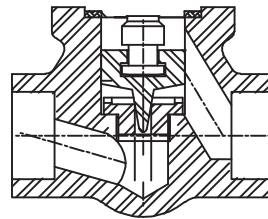
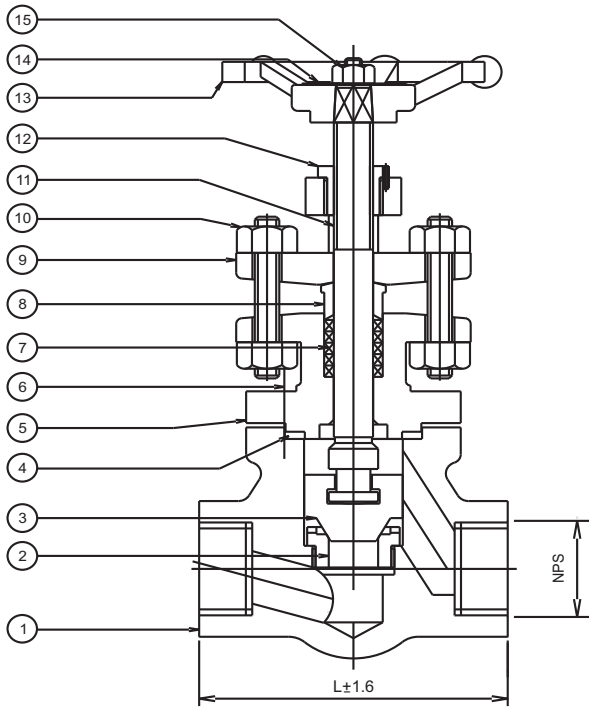
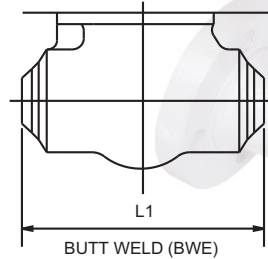




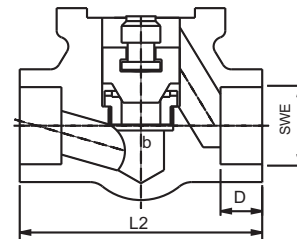
FORGED STEEL GLOBE VALVES - BSEN ISO 15761, ASME B16.34, API 602



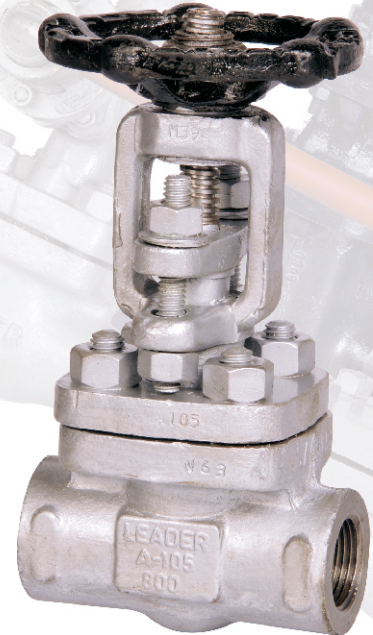
Needle Valve



BUTT WELD (BWE)



SOCKET WELD (SWE)



STANDARD MATERIAL COMBINATION

| P.NO. | DESCRIPTION | Carbon steel to ASTM | | | Alloy steel to ASTM | | | Stainless to ASTM | | | |
|-------|-------------------------|---|-----------|----------|---------------------|-----------|-----------|-------------------|-----------|-----------|-----------|
| | | A105F | A350 LF2 | A182 F5 | A182 F11 | A182 F22 | A182 F9 | A182 F304 | A182 F316 | A182F304L | A182F316L |
| 1 | BODY | A105F | A350 LF2 | A182 F5 | A182 F11 | A182 F22 | A182 F9 | A182 F304 | A182 F316 | A182F304L | A182F316L |
| 2 | SEAT RING | As per Trim Material Combination | | | | | | | | | |
| 3 | WEDGE | As per Trim Material Combination | | | | | | | | | |
| 4 | GASKET | Stainless steel + Graphoil | | | | | | | | | |
| 5 | BONNET | A105F | A350 LF2 | A182 F5 | A182 F11 | A182 F22 | A182 F9 | A182 F304 | A182 F316 | A182 F316 | A182F316L |
| 6 | STUDS | A193B7 | A320 L7 | A193 B7 | A193 B7 | A193 B16 | A193 B16 | A193 B8 | A193B8 | A193B8 | A193B8 |
| 7 | PACKING | To suit service conditions | | | | | | | | | |
| 8 | GLAND | A182 F6a | A182 F6a | A182 F6a | A182 F6a | A182 F6a | A182 F6a | F-304 | F-316 | F-304L | F-316L |
| 9 | GLAND FLANGE | A105F | A350 LF2 | A182 F5 | A182 F11 | A182 F22 | A182 F9 | A182 F304 | A182 F316 | A182F304L | A182F316L |
| 10 | NUTS | A194 2H | A194 Gr.4 | A194 2H | A194 2H | A194 Gr.4 | A194 Gr.4 | A194 Gr.8 | A194 Gr.8 | A194 Gr.8 | A194 Gr.8 |
| 11 | STEM | As per Trim Material Combination | | | | | | | | | |
| 12 | YOKE SLEEVE | Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2 | | | | | | | | | |
| 13 | HANDWHEEL | DI. A536 80-55-06 OR MI IS 2108 BM290 | | | | | | | | | |
| 14 | WASHER | CARBON STEEL (ANY GRADE) | | | | | | | | | |
| 15 | HANDWHEEL RETAINING NUT | CARBON STEEL | | | | | | | | | |

Body Material Combination with Body/Bonnet ASTMA F304H, F316H, F321, F347 also provided.



FORGED STEEL GLOBE VALVES - BSEN ISO 15761, ASME B16.34, API 602

TRIM MATERIAL COMBINATION (ON REQUEST)

| Trim No. | Seat Ring Face | Wedge Seat Face | Stem | Backseat Bush | Lantern Ring |
|----------|----------------|-----------------|--------------|---------------|--------------|
| 1 | F6a/13%Cr. | F6a/13%Cr. | F6a/AISI410 | F6a/AISI410 | F6a/AISI410 |
| 2 | F304 | F304 | F304/AISI304 | F304/AISI304 | F304/AISI304 |
| 5 | STELLITE | STELLITE | F6a/AISI410 | F6a/AISI410 | F6a/AISI410 |
| 8 | STELLITE | F6a/13%Cr. | F6a/AISI410 | F6a/AISI410 | F6a/AISI410 |
| 9 | MONEL | MONEL | MONEL | MONEL | MONEL |
| 10 | F316 | F316 | F316/AIS1316 | F316/AIS1316 | F316/AIS1316 |
| 12 | 316+STELLITE | 316 | F316/AISI316 | F316/AISI316 | F316/AISI316 |
| 13 | ALLOY 20 | ALLOY 20 | ALLOY 20 | ALLOY 20 | ALLOY 20 |

NOTE: Other Trim Combination can be provided as Trim Material Combination.

• All dimensions in mm

DIMENSIONAL DATA CLASS - 800 (REDUCED BORE)

| DN | NPS | b | L1(BWE) | L2(SWE) | H | HW | SWE | | D | Aprox. Wt.⚡ |
|----|-----|------|---------|---------|-----|-----|--------------------------------------|--------------------------------------|----|-------------|
| | | | | | | | BS 3799 | ASME B16.11 | | |
| 15 | ½ | 10 | 82 | 82 | 140 | 82 | 21.8 ^{+0.3} _{-0.0} | 22.2 ^{+0.3} _{-0.0} | 11 | 1.64 |
| 20 | ¾ | 12.7 | 90 | 90 | 155 | 90 | 27.4 ^{+0.3} _{-0.0} | 27.6 ^{+0.3} _{-0.0} | 14 | 2.050 |
| 25 | 1 | 18 | 96 | 96 | 175 | 96 | 34.1 ^{+0.3} _{-0.0} | 34.3 ^{+0.3} _{-0.0} | 14 | 3.2 |
| 40 | 1 ½ | 30 | 155 | 155 | 240 | 155 | 49 ^{+0.3} _{-0.0} | 49.2 ^{+0.3} _{-0.0} | 14 | 7.5 |
| 50 | 2 | 35 | 170 | 170 | 270 | 155 | 61 ^{+0.3} _{-0.0} | 61.7 ^{+0.3} _{-0.0} | 17 | 11.5 |

NOTE: The above data is subject to change without notice due to our continuing product improvement program. (⚡WEIGHT GIVEN IN KGS)

*Needle Type Disc also available.

TEST PRESSURES

| CLASS | SHELL TEST (HYDROSTATIC) | | SEAT TEST | | | |
|-------|-----------------------------|------------|-------------|-------------|-----------|-----------|
| | | | HYDROSTATIC | | PNEUMATIC | |
| 800 | 207 Bar | 3003 Psi g | 152 Bar | 2205 Psig g | 6.9 bar | 100 Psi g |