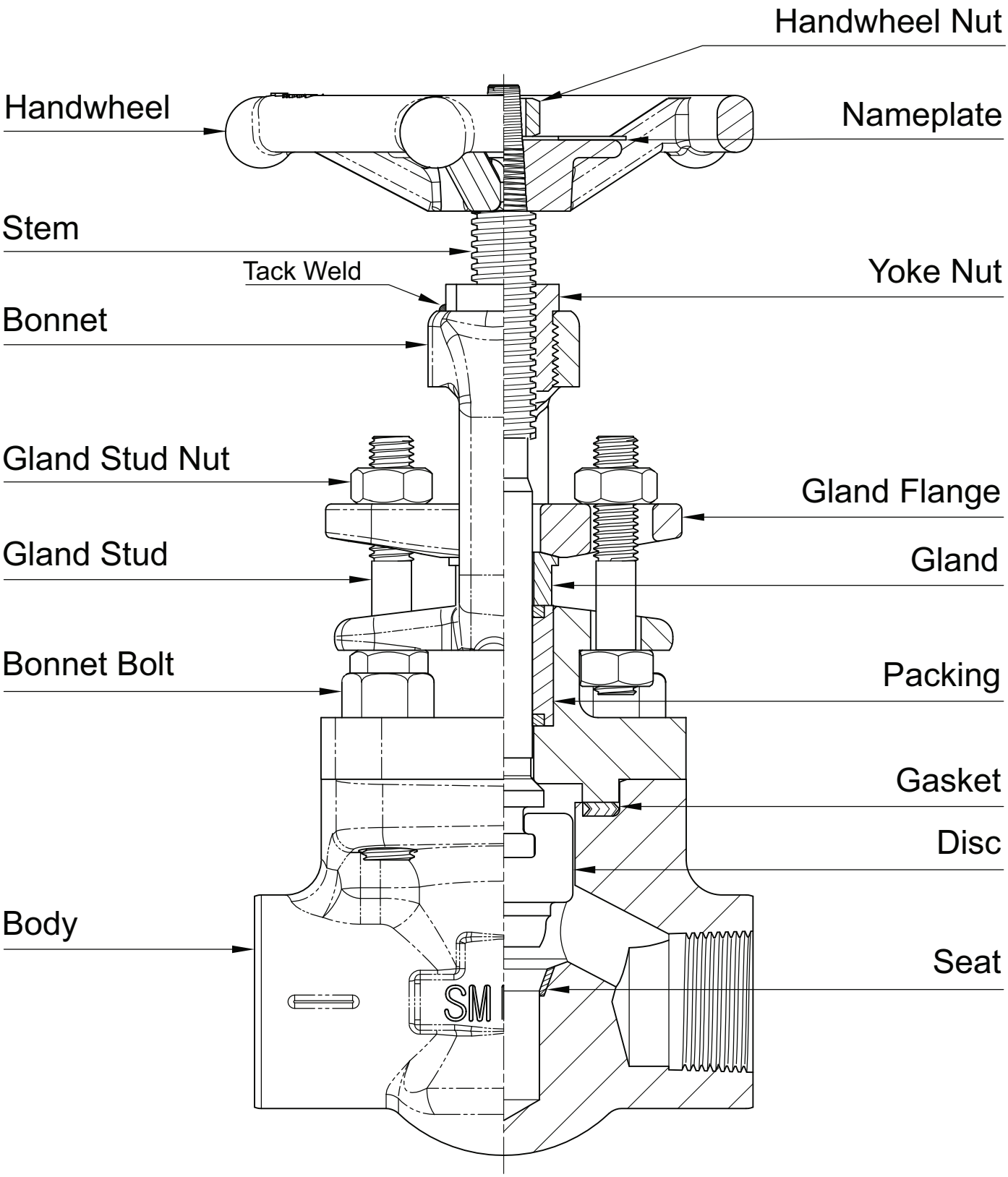
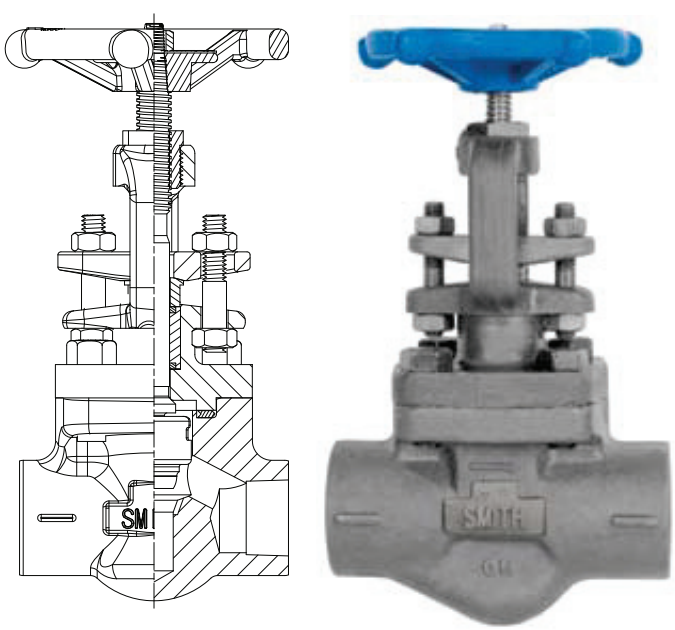
# Globe Valves



# OG80-OG87
# Globe Valves

**Forged Steel OS&Y**
**Valves comply with applicable portions of API 602 and ASME B16.34**

**Class 800**
**1/4" - 2"**




OG80

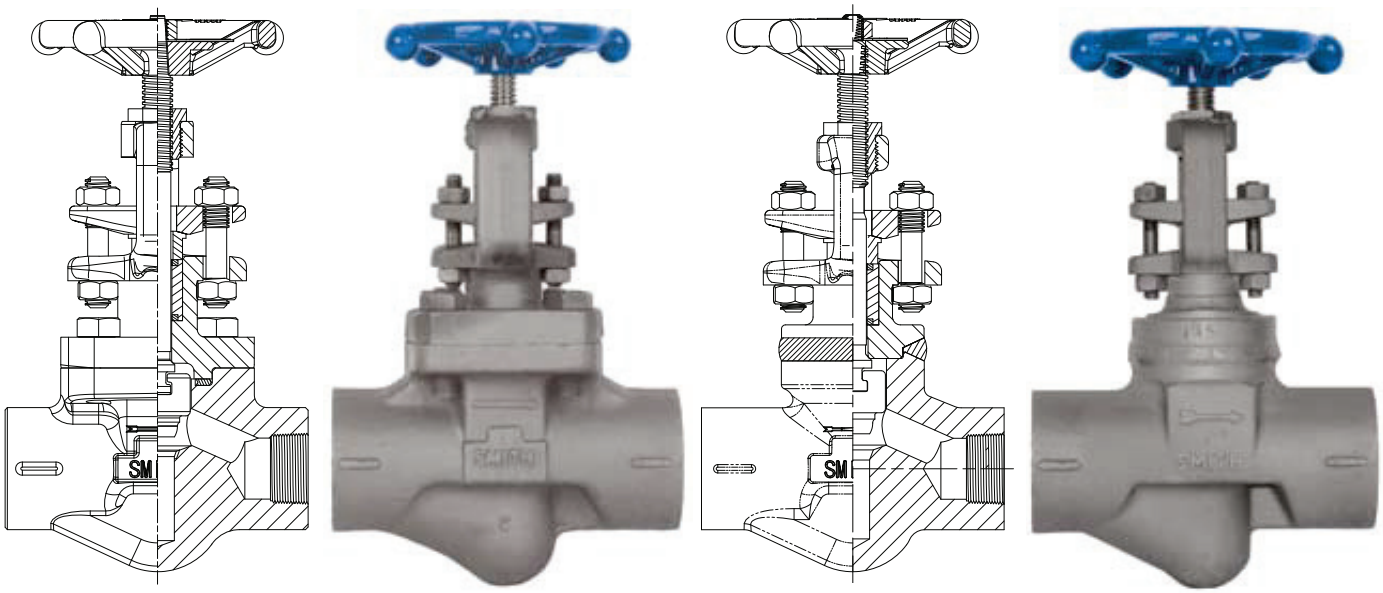
OG87

| CLASS 800 BOLTED BONNET GLOBE VALVE - THREADED or SOCKET WELD - INCHES (MM) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| VALVE SIZE NPS (DIN) | END TO END | CENTER TO TOP (OPEN) | HANDWHEEL DIAMETER | PORT DIAMETER | SOCKET DEPTH | SOCKET DIAMETER | NPT THRD | APPROX. WT. LBS (KG) |
| 1/4 (8) | 3.25 (83) | 6.31 (160) | 4.00 (102) | 0.25 (6) | 0.39 (10) | 0.56 (14) | 1/4"-18 | 3.8 (1.7) |
| 3/8 (10) | 3.25 (83) | 6.31 (160) | 4.00 (102) | 0.25 (6) | 0.39 (10) | 0.69 (18) | 3/8"-18 | 3.8 (1.7) |
| 1/2 (15) | 3.25 (83) | 6.31 (160) | 4.00 (102) | 0.38 (10) | 0.39 (10) | 0.86 (22) | 1/2"-14 | 3.8 (1.7) |
| 3/4 (20) | 3.50 (89) | 6.50 (165) | 4.00 (102) | 0.50 (13) | 0.51 (13) | 1.07 (27) | 3/4"-14 | 4.8 (2.2) |
| 1 (25) | 4.50 (114) | 6.81 (173) | 4.00 (102) | 0.75 (19) | 0.51 (13) | 1.34 (34) | 1"-11 1/2 | 6.3 (2.8) |
| 1 1/4 (32) | 6.25 (159) | 8.13 (206) | 4.63 (118) | 1.00 (25) | 0.51 (13) | 1.68 (43) | 1 1/4"-11 1/2 | 12.8 (5.8) |
| 1 1/2 (40) | 6.25 (159) | 8.13 (206) | 4.63 (118) | 1.19 (30) | 0.51 (13) | 1.92 (49) | 1 1/2"-11 1/2 | 12.3 (5.6) |
| 2 (50) | 7.25 (184) | 9.94 (252) | 6.63 (168) | 1.44 (37) | 0.63 (16) | 2.41 (61) | 2"-11 1/2 | 22.5 (10.2) |

| CLASS 800 WELDED BONNET GLOBE VALVE - THREADED or SOCKET WELD - INCHES (MM) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| VALVE SIZE NPS (DIN) | END TO END | CENTER TO TOP (OPEN) | HANDWHEEL DIAMETER | PORT DIAMETER | SOCKET DEPTH | SOCKET DIAMETER | NPT THRD | APPROX. WT. LBS (KG) |
| 1/4 (8) | 3.25 (83) | 6.38 (162) | 4.00 (102) | 0.25 (6) | 0.39 (10) | 0.56 (14) | 1/4"-18 | 3.5 (1.6) |
| 3/8 (10) | 3.25 (83) | 6.38 (162) | 4.00 (102) | 0.25 (6) | 0.39 (10) | 0.69 (18) | 3/8"-18 | 3.5 (1.6) |
| 1/2 (15) | 3.25 (83) | 6.38 (162) | 4.00 (102) | 0.38 (10) | 0.39 (10) | 0.86 (22) | 1/2"-14 | 3.5 (1.6) |
| 3/4 (20) | 3.50 (89) | 6.50 (165) | 4.00 (102) | 0.50 (13) | 0.51 (13) | 1.07 (27) | 3/4"-14 | 4.5 (2.0) |
| 1 (25) | 4.50 (114) | 6.81 (173) | 4.00 (102) | 0.75 (19) | 0.51 (13) | 1.34 (34) | 1"-11 1/2 | 6.0 (2.7) |
| 1 1/4 (32) | 6.25 (159) | 8.19 (208) | 4.63 (118) | 1.00 (25) | 0.51 (13) | 1.68 (43) | 1 1/4"-11 1/2 | 12.3 (5.6) |
| 1 1/2 (40) | 6.25 (159) | 8.19 (208) | 4.63 (118) | 1.19 (30) | 0.51 (13) | 1.92 (49) | 1 1/2"-11 1/2 | 11.8 (5.3) |
| 2 (50) | 7.25 (184) | 10.00 (254) | 6.63 (168) | 1.44 (37) | 0.63 (16) | 2.41 (61) | 2"-11 1/2 | 22.0 (10.0) |

**Forged Steel OS&Y**
**Valves comply with applicable portions of API 602 and ASME B16.34**

**Class 1500**
**1/4" - 2"**



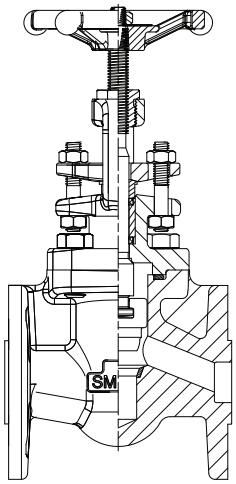

G150 G157

| CLASS 1500 BOLTED BONNET GLOBE VALVE - THREADED or SOCKET WELD - INCHES (MM) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| VALVE SIZE NPS (DIN) | END TO END | CENTER TO TOP (OPEN) | HANDWHEEL DIAMETER | PORT DIAMETER | SOCKET DEPTH | SOCKET DIAMETER | NPT THRD | APPROX. WEIGHT LBS (KG) |
| 1/4 (8) | 3.50 (89) | 6.63 (168) | 4.00 (102) | 0.25 (6) | 0.39 (10) | 0.56 (14) | 1/4"-18 | 6.0 (2.7) |
| 3/8 (10) | 3.50 (89) | 6.63 (168) | 4.00 (102) | 0.25 (6) | 0.39 (10) | 0.69 (18) | 3/8"-18 | 6.0 (2.7) |
| 1/2 (15) | 3.50 (89) | 6.63 (168) | 4.00 (102) | 0.38 (10) | 0.39 (10) | 0.86 (22) | 1/2"-14 | 5.8 (2.6) |
| 3/4 (20) | 4.50 (114) | 6.75 (171) | 4.00 (102) | 0.50 (13) | 0.51 (13) | 1.07 (27) | 3/4"-14 | 8.5 (3.9) |
| 1 (25) | 6.25 (159) | 7.88 (200) | 4.63 (118) | 0.75 (19) | 0.51 (13) | 1.34 (34) | 1"-11 1/2 | 14.8 (6.7) |
| 1 1/4 (32) | 7.25 (184) | 9.94 (252) | 6.63 (168) | 1.00 (25) | 0.51 (13) | 1.68 (43) | 1 1/4"-11 1/2 | 27.0 (12.2) |
| 1 1/2 (40) | 7.25 (184) | 9.94 (252) | 6.63 (168) | 1.19 (30) | 0.51 (13) | 1.92 (49) | 1 1/2"-11 1/2 | 27.0 (12.2) |
| 2 (50) | 7.25 (184) | 10.75 (273) | 6.63 (168) | 1.44 (37) | 0.63 (16) | 2.41 (61) | 2"-11 1/2 | 31.0 (14.1) |

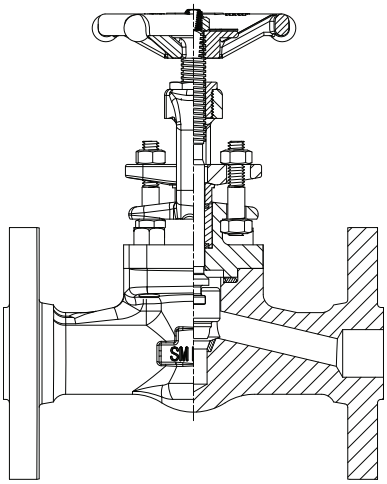
| CLASS 1500 WELDED BONNET GLOBE VALVE - THREADED or SOCKET WELD - INCHES (MM) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| VALVE SIZE NPS (DIN) | END TO END | CENTER TO TOP (OPEN) | HANDWHEEL DIAMETER | PORT DIAMETER | SOCKET DEPTH | SOCKET DIAMETER | NPT THRD | APPROX. WEIGHT LBS (KG) |
| 1/4 (8) | 3.50 (89) | 6.56 (167) | 4.00 (102) | 0.25 (6) | 0.39 (10) | 0.56 (14) | 1/4"-18 | 4.3 (1.9) |
| 3/8 (10) | 3.50 (89) | 6.56 (167) | 4.00 (102 | 0.25 (6) | 0.39 (10) | 0.69 (18) | 3/8"-18 | 4.3 (1.9) |
| 1/2 (15) | 3.50 (89) | 6.56 (167) | 4.00 (102) | 0.38 (10) | 0.39 (10) | 0.86 (22) | 1/2"-14 | 4.0 (1.8) |
| 3/4 (20) | 4.50 (114) | 6.88 (175) | 4.00 (102) | 0.50 (13) | 0.51 (13) | 1.07 (27) | 3/4"-14 | 6.0 (2.7) |
| 1 (25) | 6.25 (159) | 8.19 (208) | 4.63 (118) | 0.75 (19) | 0.51 (13) | 1.34 (34) | 1"-11 1/2 | 12.5 (5.7) |
| 1 1/4 (32) | 7.25 (184) | 10.31 (262) | 6.63 (168) | 1.00 (25) | 0.51 (13) | 1.68 (43) | 1 1/4"-11 1/2 | 19.5 (8.8) |
| 1 1/2 (40) | 7.25 (184) | 10.31 (262) | 6.63 (168) | 1.19 (30) | 0.51 (13) | 1.92 (49) | 1 1/2"-11 1/2 | 19.5 (8.8) |
| 2 (50) | 7.25 (184) | 10.38 (264) | 6.63 (168) | 1.44 (37) | 0.63 (16) | 2.41 (61) | 2"-11 1/2 | 24.0 (10.9) |

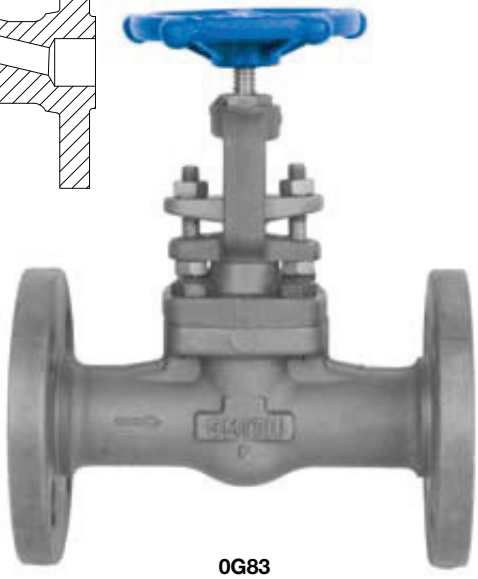
**Forged Steel OS&Y**
**Valves comply with applicable portions of API 602 and ASME B16.34**

**Class 150/300**
**1/2" - 2"**



0G81



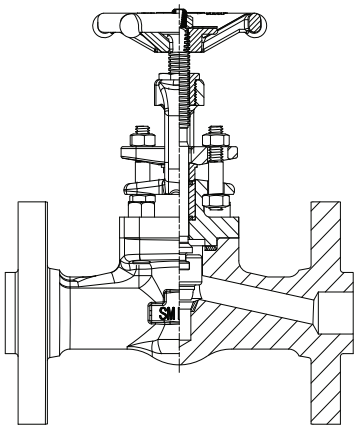
0G83

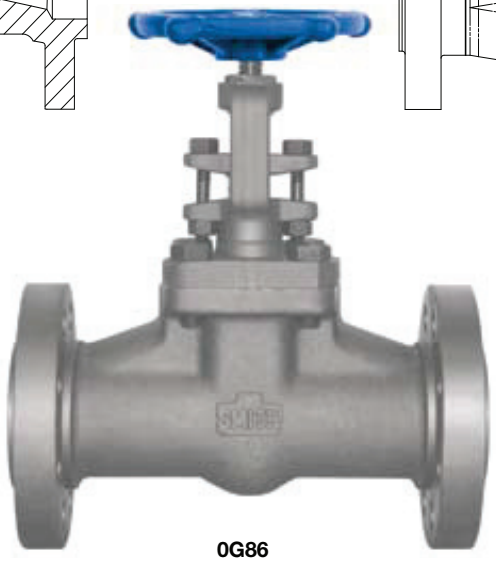
| CLASS 150 BOLTED BONNET GLOBE VALVE - FLANGED ENDS - INCHES (MM) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| VALVE SIZE NPS (DIN) | FACE TO FACE | CENTER TO TOP (OPEN) | HANDWHEEL DIAMETER | PORT DIAMETER | FLANGE DIAMETER | RAISED DIAMETER | BOLT HOLE | BOLT HOLE DIAMETER | BOLT CIRCLE | APPROX. WEIGHT LBS (KG) |
| 1/2 (15) | 4.25 (108) | 5.69 (144) | 3.25 (83) | 0.38 (10) | 3.54 (90) | 1.38 (35) | 4 | 0.63 (16) | 2.38 (61) | 3.7 (1.7) |
| 3/4 (20) | 4.63 (118) | 5.94 (151) | 3.94 (100) | 0.50 (13) | 3.94 (100) | 1.69 (43) | 4 | 0.63 (16) | 2.75 (70) | 5.3 (2.4) |
| 1 (25) | 5.00 (127) | 6.75 (171) | 3.94 (100) | 0.75 (19) | 4.25 (108) | 2.00 (51) | 4 | 0.63 (16) | 3.13 (79) | 9.8 (4.4) |
| 1 1/2 (40) | 6.50 (165) | 8.44 (214) | 5.50 (140) | 1.19 (30) | 5.00 (127) | 2.88 (73) | 4 | 0.63 (16) | 3.88 (98) | 18.5 (8.4) |
| 2 (50) | 8.00 (203) | 9.69 (246) | 6.25 (159) | 1.44 (37) | 6.00 (152) | 3.63 (92) | 4 | 0.75 (19) | 4.75 (121) | 36.0 (16.3) |

| CLASS 300 BOLTED BONNET GLOBE VALVE - FLANGED ENDS - INCHES (MM) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| VALVE SIZE NPS (DIN) | FACE TO FACE | CENTER TO TOP (OPEN) | HANDWHEEL DIAMETER | PORT DIAMETER | FLANGE DIAMETER | RAISED DIAMETER | BOLT HOLE | BOLT HOLE DIAMETER | BOLT CIRCLE | APPROX. WEIGHT LBS (KG) |
| 1/2 (15) | 6.00 (152) | 6.31 (160) | 4.00 (102) | 0.38 (10) | 3.75 (95) | 1.38 (35) | 4 | 0.63 (16) | 2.63 (67) | 7.3 (3.3) |
| 3/4 (20) | 7.00 (178) | 6.50 (165) | 4.00 (102) | 0.50 (13) | 4.63 (118) | 1.69 (43) | 4 | 0.75 (19) | 3.25 (83) | 11.0 (5.0) |
| 1 (25) | 8.00 (203) | 7.19 (183) | 4.00 (102) | 0.75 (19) | 4.92 (125) | 2.00 (51) | 4 | 0.75 (19) | 3.50 (89) | 14.5 (6.6) |
| 1 1/2 (40) | 9.00 (229) | 8.88 (225) | 4.63 (118) | 1.19 (30) | 6.13 (156) | 2.88 (73) | 4 | 0.88 (22) | 4.50 (114) | 31.0 (14.1) |
| 2 (50) | 10.50 (267) | 10.63 (270) | 6.63 (168) | 1.44 (37) | 6.50 (165) | 3.63 (92) | 8 | 0.75 (19) | 5.00 (127) | 41.2 (18.7) |

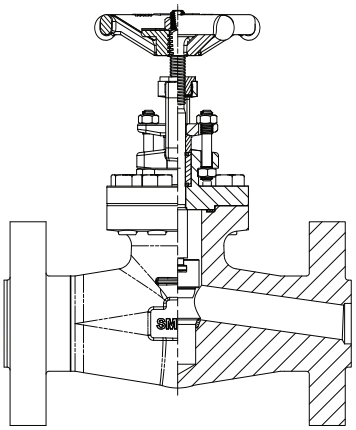
**Forged Steel OS&Y**
**Valves comply with applicable portions of API 602 and ASME B16.34**

**Class 600/1500**
**1/2" - 2"**





0G86



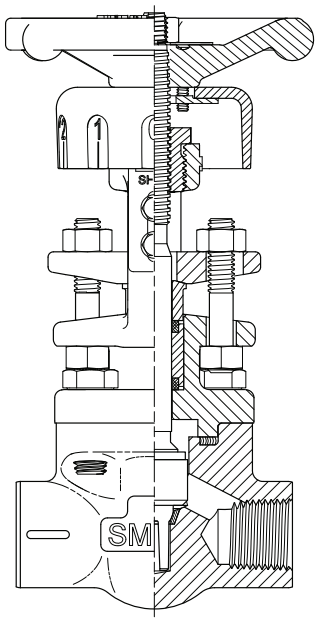
G895

| CLASS 600 BOLTED BONNET GLOBE VALVE - FLANGED ENDS - INCHES (MM) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| VALVE SIZE NPS (DIN) | FACE TO FACE | CENTER TO TOP (OPEN) | HANDWHEEL DIAMETER | PORT DIAMETER | FLANGE DIAMETER | RAISED DIAMETER | BOLT HOLE | BOLT HOLE DIAMETER | BOLT CIRCLE | APPROX. WEIGHT LBS (KG) |
| 1/2 (15) | 6.50 (165) | 6.31 (160) | 4.00 (102) | 0.38 (10) | 3.75 (95) | 1.38 (35) | 4 | 0.63 (16) | 2.63 (67) | 7.8 (3.5) |
| 3/4 (20) | 7.50 (191) | 6.50 (165) | 4.00 (102) | 0.50 (13) | 4.63 (118) | 1.69 (43) | 4 | 0.75 (19) | 3.25 (83) | 11.8 (5.3) |
| 1 (25) | 8.50 (216) | 7.19 (183) | 4.00 (102) | 0.75 (19) | 4.94 (125) | 2.00 (51) | 4 | 0.75 (19) | 3.50 (89) | 15.3 (6.9) |
| 1 1/2 (40) | 9.50 (241) | 8.88 (225) | 4.63 (118) | 1.19 (30) | 6.13 (156) | 2.88 (73) | 4 | 0.88 (22) | 4.50 (114) | 31.8 (14.4) |
| 2 (50) | 11.50 (292) | 10.63 (270) | 6.63 (168) | 1.44 (37) | 6.50 (165) | 3.63 (92) | 8 | 0.75 (19) | 5.00 (127) | 46.8 (21.2) |

| CLASS 1500 BOLTED BONNET GLOBE VALVE - FLANGED ENDS - INCHES (MM) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| VALVE SIZE NPS (DIN) | FACE TO FACE | CENTER TO TOP (OPEN) | HANDWHEEL DIAMETER | PORT DIAMETER | FLANGE DIAMETER | RAISED DIAMETER | BOLT HOLE | BOLT HOLE DIAMETER | BOLT CIRCLE |
| 1/2 (15) | 8.50 (216) | 7.98 (203) | 4.00 (102) | 0.38 (10) | 4.75 (121) | 1.38 (35) | 4 | 0.88 (22) | 3.25 (83) |
| 3/4 (20) | 9.00 (229) | 8.69 (221) | 5.50 (140) | 0.50 (13) | 5.13 (130) | 1.69 (43) | 4 | 0.88 (22) | 3.50 (89) |
| 1 (25) | 10.00 (254) | 10.00 (254) | 5.50 (140) | 0.75 (19) | 5.88 (149) | 2.00 (51) | 4 | 1.00 (25) | 4.00 (102) |
| 1 1/2 (40) | 12.00 (305) | 11.89 (302) | 6.63 (168) | 1.19 (30) | 7.00 (178) | 2.88 (73) | 4 | 1.13 (29) | 4.88 (124) |
| 2 (50) | 14.50 (368) | 12.98 (330) | 6.63 (168) | 1.44 (37) | 8.50 (216) | 3.63 (92) | 8 | 1.00 (25) | 6.50 (165) |

**Forged Steel OS&Y**
**Valves comply with applicable portions of API 602 and ASME B16.34**

**Class 800**
**1/2" - 1"**



**FG80**

| CLASS 800 FLOW CONTROL GLOBE VALVE - THREADED or SOCKET WELD - INCHES (MM) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| VALVE SIZE NPS (DIN) | END TO END | CENTER TO TOP (OPEN) | HANDWHEEL DIAMETER | PORT DIAMETER | SOCKET DEPTH | SOCKET DIAMETER | NPT THRD | APPROX. WEIGHT LBS (KG) |
| 1/2 (15) | 3.25 (83) | 6.50 (165) | 4.00 (102) | 0.39 (10) | 0.39 (10) | 0.86 (22) | 1/2”-14 | 4.3 (2.0) |
| 3/4 (20) | 3.50 (89) | 6.58 (167) | 4.00 (102) | 0.50 (13) | 0.51 (13) | 1.07 (27) | 3/4”-14 | 5.3 (2.4) |
| 1 (25) | 3.88 (98) | 6.71 (170) | 4.00 (102) | 0.75 (19) | 0.51 (13) | 1.34 (34) | 1”-11 1/2 | 7.0 (3.2) |