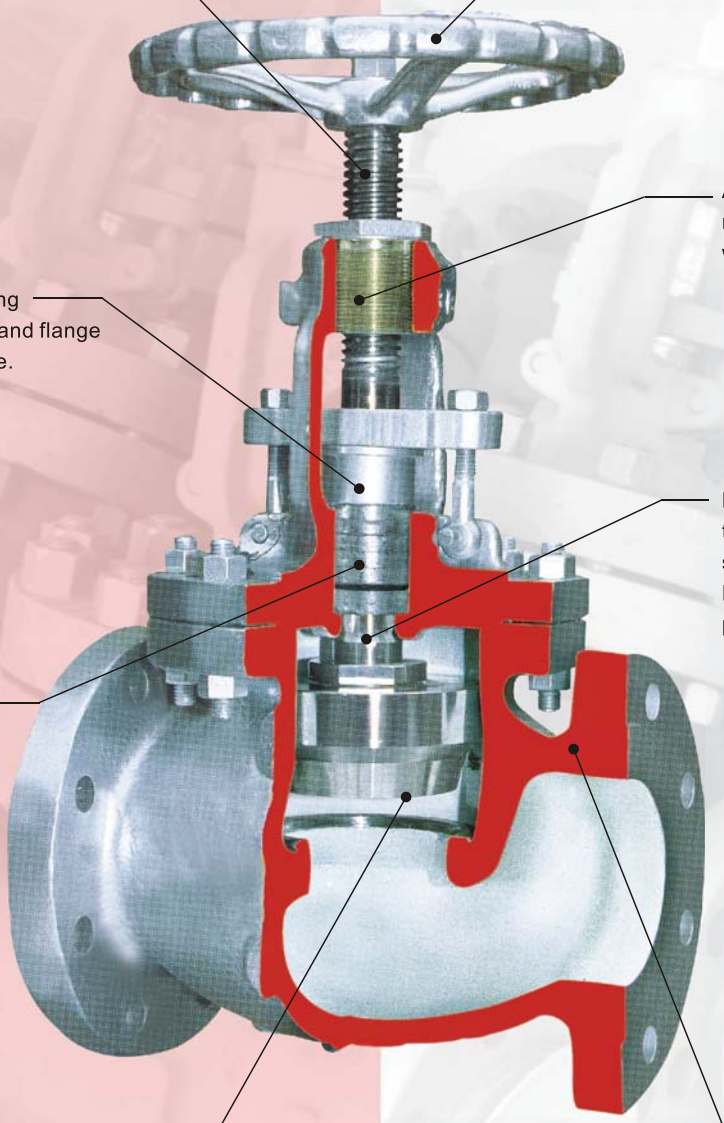
# GLOBE VALVE



Revolving rising stem with precision trapezoidal threads for long-lasting service.

Impact or handwheel provides higher torque through stroking, and meet tighter shut off for globe valve. This type of handwheel is supplied upon request.

Austenitic ductile iron stem nut provides resistance to wear and heat.

Two piece self-aligning gland bushing and gland flange prevent stem damage.

Machined Backseat designed to relieve back pressure on the stem packing when fully seated. Replacing stem packing under pressure is not recommended.

Spacer rings and double packing sets available upon request.

Conical Disc guided to assure alignment between disc and valve body. This design provides tighter shut off with less closing torque, while spherical and flat seat surfaces are also available.

Angle and SDNR structures are available upon request.

# CAST STEEL GLOBE VALVE

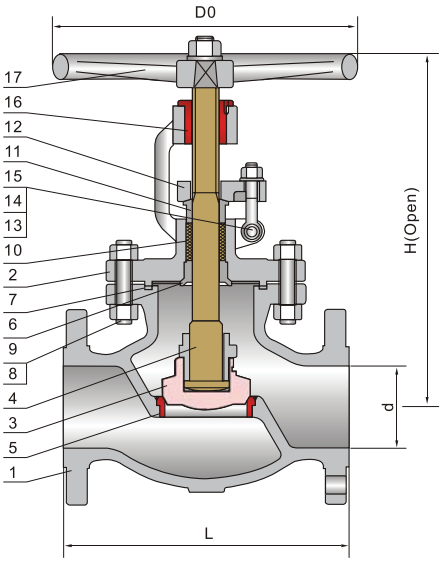
## 150Lb~300Lb

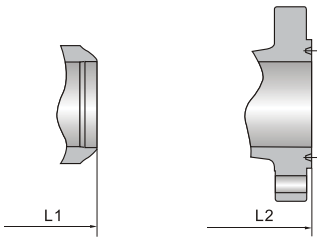
### Features:

Straight Pattern Body Design
Swivel Plug Disc Design Standard
Flat and Regulating Type Disc Available
Bolted Bonnet
OS&Y, Rising Stem and Handwheel
Threaded-in Back Seat
Flanged or Butt-welding Ends
Bevel Gear or Actuator Available

### Applicable Standards:

Design: BS 1873 / BS EN 13709
Wall Thickness: BS 1873 / EN 12516
Face-to-face: ASME B16.10
Flange Ends: ASME B16.5 / B16.47
Butt-welding End: ASME B16.25
Testing: API 598




### Materials of parts

| NO | Part Name | ASTM Material | | |
|---|---|---|---|---|
| | | Carbon Steel | Alloy Steel | Low Temp. Steel |
| 1 | Body | A216-WCB | A217-WC6 | A352-LCB |
| 2 | Bonnet | A216-WCB | A217-WC6 | A352-LCB |
| 3 | Disc | A105+13CR | A182-F11+HF | A350-LF2+13CR |
| 4 | Stem | A182-F6a | A182-F6a | A182-F6a |
| 5 | Seat Ring | A105+13CR | A182-F11+HF | A350-LF2+13CR |
| 6 | BackSeat | A276-420 | A276-420 | A276-420 |
| 7 | Bonnet Gasket | Spiral Wound (Graphite+304) | | |
| 8 | Bonnet Bolt | A193-B7 | A193-B16 | A320-L7 |
| 9 | Bonnet Bolt Nut | A194-2H | A194-7 | A194-4 |
| 10 | Packing | Graphite | | |
| 11 | Gland | A276-420 | A276-420 | A276-420 |
| 12 | Gland Flange | A216-WCB | A217-WC6 | A352-LCB |
| 13 | Eyebolt Pin | Stainless Steel | | |
| 14 | Eyebolt | Carbon Steel | A193-B7 | Carbon Steel |
| 15 | Eyebolt Nut | Carbon Steel | A194-2H | Carbon Steel |
| 16 | Yokesleeve | Aluminum-Bronze[1)] | | |
| 17 | Handwheel | Malleable Iron | | |

Note:1).Ductile Ni-Resist optional
2).Disc and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.

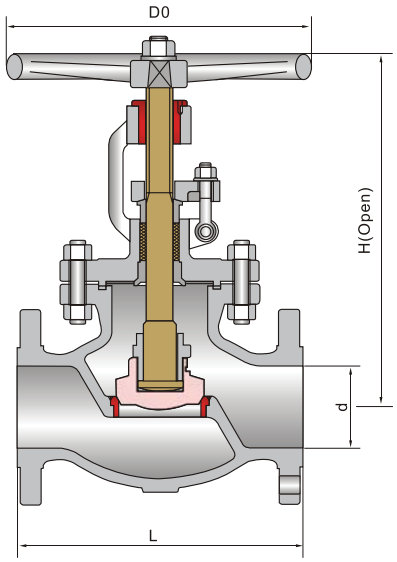
### Dimensions data

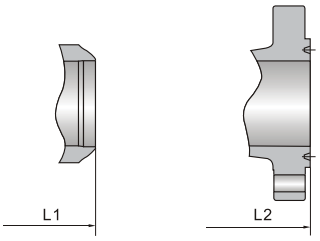
| NPS / DN | 2 / 50 | 2½ / 65 | 3 / 80 | 4 / 100 | 6 / 150 | 8 / 200 | 10 / 250 | 12 / 300 | 14 / 350 | 16 / 400 | 18 / 450 | 20 / 500 | 24 / 600 | in / mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ANSI Class 150Lb** | | | | | | | | | | | | | | |
| L/L1 (RF/BW) | 8.00 | 8.50 | 9.50 | 11.50 | 16.00 | 19.50 | 24.50 | 27.50 | 31.00 | 36.00 | 38.46 | 38.46 | 50.98 | in |
| | 203 | 216 | 241 | 292 | 406 | 495 | 622 | 698 | 787 | 914 | 977 | 977 | 1295 | mm |
| L2 (RTJ) | 8.00 | 8.50 | 9.50 | 11.50 | 16.00 | 19.50 | 24.50 | 27.50 | 31.00 | 36.00 | - | - | - | in |
| | 203 | 216 | 241 | 292 | 406 | 495 | 622 | 698 | 787 | 914 | - | - | - | mm |
| H (OPEN) | 15.00 | 21.00 | 17.50 | 20.25 | 22.00 | 24.25 | 32.00 | 35.88 | 48.38 | 57.00 | 41.96 | 43.97 | 50.98 | in |
| | 380 | 535 | 445 | 515 | 560 | 615 | 815 | 910 | 1230 | 1450 | 1066 | 1117 | 1295 | mm |
| (d) | 50 | 63 | 76 | 100 | 150 | 200 | 250 | 300 | 360 | 387 | 438 | 488 | 590 | mm |
| D0 | 7 | 10 | 11 | 11 | 13 | 13 | 16 | 18 | 20 | 24 | 28.34 | 28.34 | 33.46 | in |
| | 180 | 240 | 280 | 280 | 320 | 320 | 400 | 450 | 500 | 600 | 720 | 720 | 850 | mm |
| WT (kg) | 18 | 30 | 41 | 64 | 86 | 110 | 280 | 380 | 510 | 740 | 1150 | 1650 | 2200 | RF |
| | 14 | 22 | 33 | 43 | 72 | 88 | 245 | 345 | 450 | 665 | - | - | - | BW |
| **ANSI Class 300Lb** | | | | | | | | | | | | | | |
| L/L1 (RF/BW) | 10.50 | 11.50 | 12.50 | 14.00 | 17.50 | 22.00 | 24.50 | 28.00 | 32.99 | 32.99 | 38.46 | 40.00 | 52.99 | in |
| | 267 | 292 | 318 | 356 | 444 | 559 | 622 | 711 | 838 | 863 | 977 | 1016 | 1346 | mm |
| L2 (RTJ) | 11.12 | 12.12 | 13.12 | 14.62 | 18.12 | 22.62 | 25.12 | 28.62 | - | - | - | - | - | in |
| | 282 | 308 | 333 | 371 | 460 | 575 | 638 | 727 | - | - | - | - | - | mm |
| H (OPEN) | 16.75 | 19.00 | 19.88 | 22.50 | 25.25 | 33.25 | 35.50 | 38.62 | - | 53.97 | 57.99 | 61.96 | 70.98 | in |
| | 425 | 485 | 505 | 570 | 640 | 845 | 900 | 980 | - | 1371 | 1473 | 1574 | 1803 | mm |
| (d) | 50 | 63 | 76 | 100 | 150 | 200 | 250 | 300 | 336 | 387 | 431 | 482 | 584 | mm |
| D0 | 8 | 10 | 11 | 13 | 16 | 18 | 20 | 24 | 33.85 | 24.01 | 24.01 | 28.34 | 28.34 | in |
| | 200 | 240 | 280 | 320 | 400 | 450 | 500 | 600 | 860 | 610 | 610 | 720 | 720 | mm |
| WT (kg) | 25 | 32 | 38 | 56 | 96 | 150 | 360 | 550 | 876 | 1200 | 1600 | 2100 | 3150 | RF |
| | 20 | 22 | 27 | 41 | 75 | 117 | 310 | 492 | - | - | - | - | - | BW |

# CAST STEEL GLOBE VALVE

## 600Lb~2500Lb

KOLINK
VALVES & PIPE FITTINGS




### Dimensions data

| NPS / DN | 2 / 50 | 2½ / 65 | 3 / 80 | 4 / 100 | 6 / 150 | 8 / 200 | 10 / 250 | 12 / 300 |
|---|---|---|---|---|---|---|---|---|
| ANSI Class 600Lb | | | | | | | | |
| L/L1 (RF/BW) | 11.50 | 13.00 | 14.00 | 17.00 | 22.00 | 26.00 | 31.00 | 33.00 |
| | 292 | 330 | 356 | 432 | 559 | 660 | 787 | 838 |
| L2 (RTJ) | 11.62 | 13.12 | 14.12 | 17.12 | 22.12 | 26.12 | 31.12 | 33.12 |
| | 295 | 333 | 359 | 435 | 562 | 663 | 790 | 841 |
| H (OPEN) | 17.50 | 19.75 | 21.00 | 24.50 | 29.50 | 36.50 | 44.88 | 53.12 |
| | 445 | 502 | 533 | 622 | 750 | 927 | 1140 | 1350 |
| (d) | 50 | 63 | 76 | 100 | 150 | 199 | 247 | 298 |
| D0 | 10 | 11 | 13 | 16 | 18 | 20 | 24 | 24 |
| | 240 | 280 | 320 | 400 | 450 | 500 | 600 | 600 |
| WT (kg) | 35 | 50 | 60 | 110 | 230 | 410 | 770 | 1140 |
| | 27 | 34 | 42 | 84 | 192 | 350 | 6 80 | 1030 |

| 2 / 50 | 2½ / 65 | 3 / 80 | 4 / 100 | 6 / 150 | 8 / 200 | 10 / 250 | in / mm |
|---|---|---|---|---|---|---|---|
| ANSI Class 900Lb | | | | | | | |
| 14.50 | 16.50 | 15.00 | 18.00 | 24.00 | 29.00 | 33.00 | in |
| 368 | 419 | 381 | 457 | 610 | 737 | 838 | mm |
| 14.62 | 16.62 | 15.12 | 18.12 | 24.12 | 29.12 | 33.12 | in |
| 371 | 422 | 384 | 460 | 613 | 740 | 841 | mm |
| 22.00 | 23.25 | 25.25 | 31.88 | 41.38 | 53.50 | 61.88 | in |
| 560 | 590 | 640 | 810 | 1050 | 1360 | 1570 | mm |
| 47 | 57 | 72 | 98 | 146 | 190 | 238 | mm |
| 11 | 13 | 16 | 18 | 20 | 24 | 24 | in |
| 280 | 320 | 400 | 450 | 500 | 600 | 600 | mm |
| 57 | 82 | 92 | 168 | 365 | 665 | 1250 | RF |
| 41 | 53 | 85 | 117 | 238 | 538 | 1060 | BW |

| NPS / DN | 2 / 50 | 2½ / 65 | 3 / 80 | 4 / 100 | 6 / 150 | 8 / 200 |
|---|---|---|---|---|---|---|
| ANSI Class 1500Lb | | | | | | |
| L/L1 (RF/BW) | 14.50 | 16.50 | 18.50 | 21.50 | 27.75 | 32.75 |
| | 368 | 419 | 470 | 546 | 705 | 832 |
| L2 (RTJ) | 14.62 | 16.62 | 18.62 | 21.62 | 28.00 | 33.12 |
| | 371 | 422 | 473 | 549 | 711 | 841 |
| H (OPEN) | 22.00 | 23.25 | 29.50 | 36.00 | 48.62 | 65.00 |
| | 560 | 590 | 750 | 915 | 1235 | 1650 |
| (d) | 47 | 57 | 69 | 92 | 136 | 177 |
| D0 | 13 | 16 | 18 | 20 | 24 | 28 |
| | 320 | 400 | 450 | 500 | 600 | 700 |
| WT (kg) | 68 | 97 | 116 | 215 | 445 | 795 |
| | 57 | 81 | 95 | 184 | 347 | 635 |

| 2 / 50 | 2½ / 65 | 3 / 80 | 4 / 100 | 6 / 150 | in / mm |
|---|---|---|---|---|---|
| ANSI Class 2500Lb | | | | | |
| 17.75 | 20.00 | 22.75 | 26.50 | 36.00 | in |
| 451 | 508 | 578 | 673 | 914 | mm |
| 17.88 | 20.50 | 23.00 | 26.88 | 36.50 | in |
| 454 | 514 | 584 | 683 | 927 | mm |
| 25.50 | 28.12 | 32.50 | 47.00 | 70.50 | in |
| 650 | 715 | 825 | 1195 | 1790 | mm |
| 38 | 47 | 57 | 72 | 111 | mm |
| 16 | 18 | 20 | 24 | 28 | in |
| 400 | 450 | 500 | 600 | 700 | mm |
| 97 | 138 | 167 | 305 | 633 | RF |
| 72 | 95 | 108 | 196 | 351 | BW |