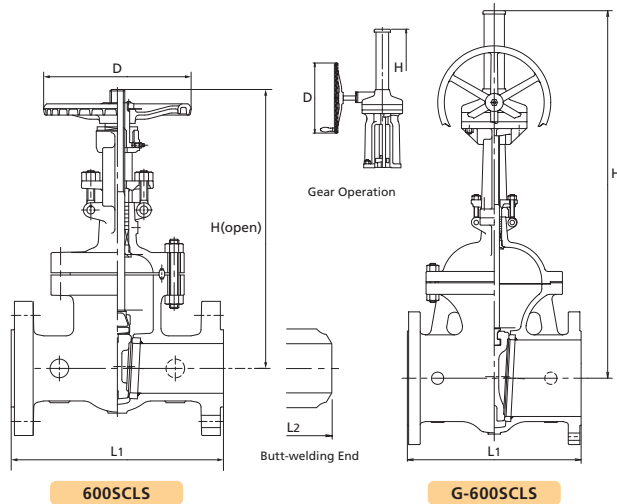


Cast Carbon Steel Gate Valve

Bolted bonnet, Outside screw-and-yoke, Rising stem, Non-rising handwheel, Flexible wedge.



600SCLS

G-600SCLS

| Fig | End Connections |
|--------------|--------------------|
| (G-)600SCLS | RF-flanged ends. |
| (G-)W600SCLS | Butt-welding ends. |

Standard materials of parts

| Parts | Materials |
|-----------------|--|
| Body | ASTM A216 Gr.WCB |
| Bonnet | ASTM A216 Gr.WCB |
| Stem | 403SS |
| Disc | 403SS or A217 Gr.CA15 (Up to Size 4) A216 Gr.WCB+13Cr (Size 5 & over) |
| Body seat ring | Carbon Steel+HF* |
| Gland | 403SS |
| Gland packing | Flexible Graphite |
| Gland flange | Carbon Steel/Cast Steel |
| Handwheel | Ductile iron |
| Gasket | See Page 5 |
| Bonnet bolt/nut | ASTM A193 Gr.B7/A194 Gr.2H |
| Gland bolt/nut | Carbon Steel |
| Bonnet bushing | 403SS |
| Yoke sleeve | Ductile Ni-Resist |
| Grease nipple | Carbon steel |

*Hard facing with Co-Cr-W Alloy.

Note: Refer to Page 2&4 for standard seat material and construction.

Dimensions

| Nominal Size | | 2 | 2½ | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
|----------------|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 |
| L ₁ | in | 11.5 | 13.0 | 14.0 | 17.0 | 20.0 | 22.0 | 26.0 | 31.0 | 33.0 | 35.0 | 39.0 | 43.0 | 47.0 | 51.0 | 55.0 |
| | mm | 292 | 330 | 356 | 432 | 508 | 559 | 660 | 787 | 838 | 889 | 991 | 1092 | 1194 | 1295 | 1397 |
| L ₂ | in | 11.5 | 13.0 | 14.0 | 17.0 | 20.0 | 22.0 | 26.0 | 31.0 | 33.0 | 35.0 | 39.0 | 43.0 | 47.0 | 51.0 | 55.0 |
| | mm | 292 | 330 | 356 | 432 | 508 | 559 | 660 | 787 | 838 | 889 | 991 | 1092 | 1194 | 1295 | 1397 |
| H* | in | 17.6 | 19.6 | 21.5 | 26.3 | 30.4 | 35.2 | 43.1 | 49.5 | 57.6 | 62.7 | 70.0 | 81.5 | 88.8 | 98.4 | 107.5 |
| | mm | 446 | 497 | 545 | 667 | 771 | 893 | 1094 | 1257 | 1464 | 1593 | 1779 | 2070 | 2256 | 2500 | 2730 |
| D | in | 7.90 | 9.80 | 9.80 | 11.8 | 15.7 | 17.7 | 23.6 | 23.6 | 26.8 | 29.9 | 29.9 | 35.8 | 23.6 | 23.6 | 24.0 |
| | mm | 200 | 250 | 250 | 300 | 400 | 450 | 600 | 600 | 680 | 760 | 760 | 910 | 600 | 600 | 610 |

*Size 20 and larger : Gear operation type.
Refer to "Standard Product Range" on page 01.