

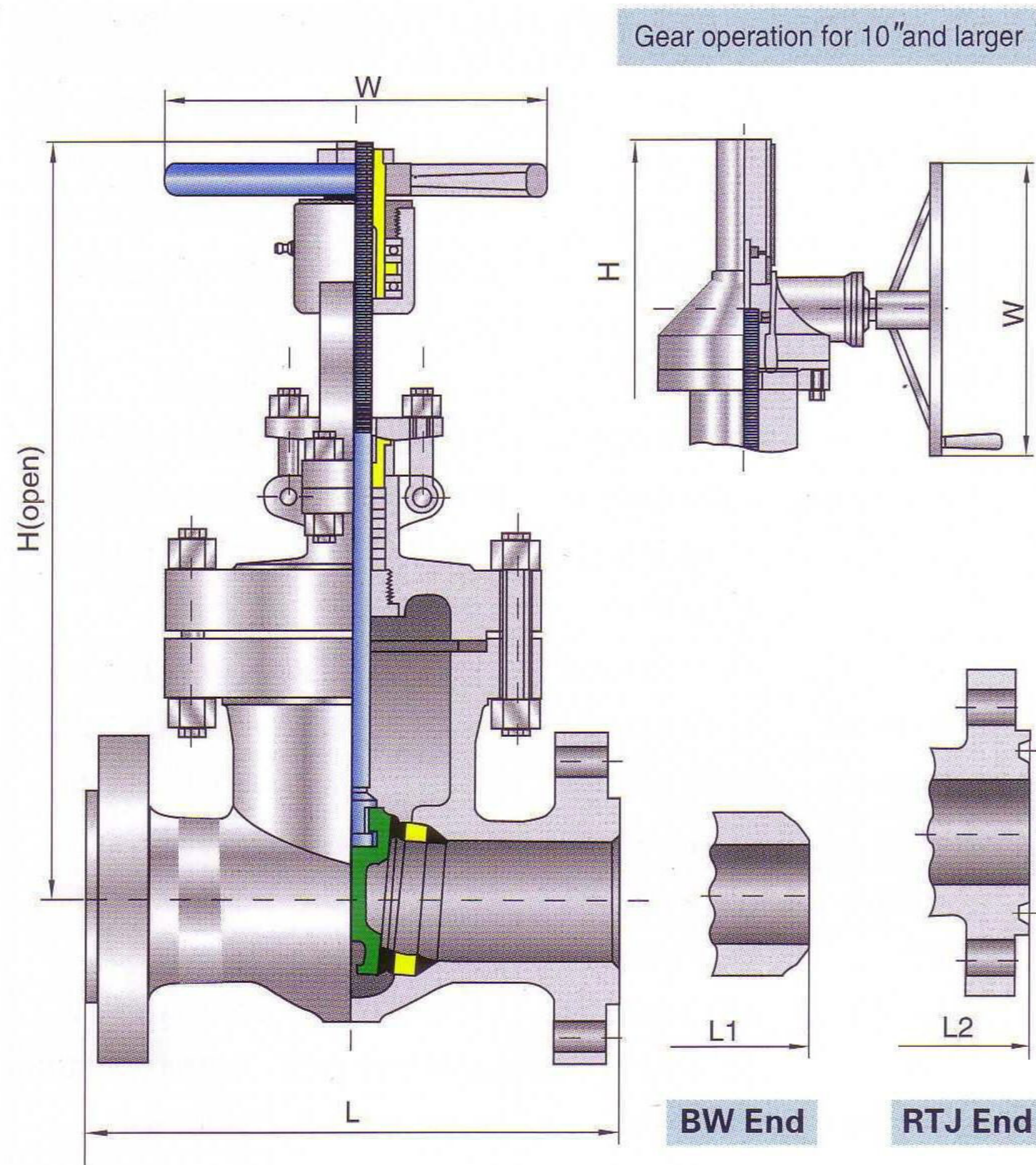


# Cast Steel Bolted Bonnet Gate Valves

## Class 600

**Bolted Bonnet, Outside Screw And Yoke, Rising Stem, Non-rising Handwheel, Flexible Wedge.**

### Parts List



| PART          | MATERIALS      |                |                |
|---------------|----------------|----------------|----------------|
| Body          | ASTM A216 WCB  | ASTM A351 CF8  | ASTM A351 CF8M |
| Seat ring     | A105+STL       | ASTM A351 CF8  | ASTM A351 CF8M |
| Wedge         | WCB+13Cr       | ASTM A351 CF8  | ASTM A351 CF8M |
| Stem          | ASTM A182 F6a  | ASTM A182 F304 | ASTM A182 F316 |
| Back seat     | ASTM A182 F6a  | ASTM A182 F304 | ASTM A182 F316 |
| Packing       | Graphite       | Graphite       | Graphite       |
| Gland         | ASTM A182 F6a  | ASTM A182 F304 | ASTM A182 F316 |
| Gland eyebolt | ASTM A193 B7   | ASTM A193 B8   | ASTM A193 B8M  |
| Eyebolt nut   | ASTM A194 2H   | ASTM A194 8    | ASTM A194 8M   |
| Eyebolt pin   | ASTM A36       | 304 S.S.       | 316 S.S.       |
| Gland flange  | ASTM A216 WCB  | ASTM A351 CF8  | ASTM A351 CF8M |
| Bonnet bolt   | ASTM A193 B7   | ASTM A193 B8   | ASTM A193 B8M  |
| Bonnet nut    | ASTM A194 2H   | ASTM A194 8    | ASTM A194 8M   |
| Gasket        | SS304+Graphite | SS304+Graphite | SS316+Graphite |
| Bonnet        | ASTM A216 WCB  | ASTM A351 CF8  | ASTM A351 CF8M |
| Nipple        | Carbon steel   | Carbon steel   | Carbon steel   |
| Stem nut      | ASTM A439 D2   | ASTM A439 D2   | ASTM A439 D2   |
| Yoke          | ASTM A216 WCB  | ASTM A216 WCB  | ASTM A216 WCB  |
| Handwheel     | Ductile Iron   | Ductile Iron   | Ductile Iron   |
| Handwheel nut | Carbon steel   | Carbon steel   | Carbon steel   |
| Bearing       | Steel          | Steel          | Steel          |

### Features

- Face to face and end to end dimension: ASME B16.10
- Flange dimension: 24" and smaller to ASME B16.5
- Shell wall thickness: 24" and smaller to API 600
- B.W. end to ASME B16.25
- 6" and smaller valves have a one-piece bonnet and yoke design
- 8" and larger valves have a two-piece bonnet and yoke design.

### Dimensions And Weights

| Valve Size   | in. | 2     | 2 1/2 | 3     | 4     | 5     | 6     | 8     | 10    | 12    | 14    | 16    | 18    | 20    | 24    |
|--------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|              | mm  | 50    | 65    | 80    | 100   | 125   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 600   |
| L-L1 (RF-BW) | in. | 11.5  | 13    | 14    | 17    | 20    | 22    | 26    | 31    | 33    | 35    | 39    | 43    | 47    | 55    |
|              | mm  | 292   | 330   | 356   | 432   | 508   | 559   | 660   | 787   | 838   | 889   | 991   | 1092  | 1194  | 1397  |
| L2 (RTJ)     | in. | 11.62 | 13.12 | 14.12 | 17.12 | 20.12 | 22.12 | 26.12 | 31.12 | 33.12 | 35.12 | 39.12 | 43.12 | 47.25 | 55.38 |
|              | mm  | 295   | 333   | 359   | 435   | 511   | 562   | 663   | 790   | 841   | 892   | 994   | 1095  | 1200  | 1407  |
| H (open)     | in. | 18.63 | 21.75 | 23.38 | 28.06 | 30.3  | 38.19 | 44.19 | 52.38 | 59.81 | 68.13 | 72.75 | 90.13 | 98.81 | 119   |
|              | mm  | 474   | 553   | 593   | 713   | 770   | 970   | 1122  | 1330  | 1519  | 1730  | 1835  | 2290  | 2510  | 3022  |
| W            | in. | 9.88  | 9.88  | 11.81 | 13.75 | 15.7  | 19.69 | 22.06 | 28.38 | 24    | 24    | 24    | 24    | 30    | 30    |
|              | mm  | 250   | 250   | 300   | 350   | 400   | 500   | 560   | 720   | 610   | 610   | 610   | 610   | 760   | 760   |
| WT (kg)      | RF  | 41    | 58    | 88    | 131   | 7.56  | 253   | 413   | 623   | 784   | 1288  | 1820  | 2150  | 2540  | 4080  |
|              | BW  | 35    | 50    | 68    | 104   | 192   | 208   | 328   | 496   | 637   | 1120  | 1448  | 1828  | 2201  | 3360  |