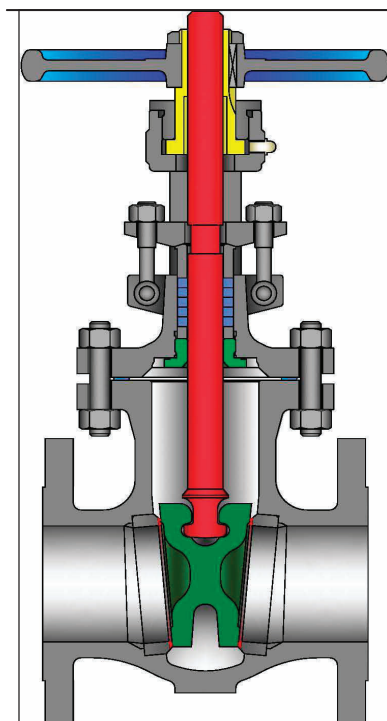




**API 600 GATE VALVES**  
**BOLTED BONNET, ASME CLASSES 150 TO 1500**  
**CAST CARBON, STAINLESS STEEL OR ALLOY STEEL**



| Class | Fig. No. |
|-------|----------|
| 150   | 1503     |
| 300   | 3003     |
| 600   | 6003     |
| 900   | 9003     |
| 1500  | 1303     |

**STANDARD MATERIALS (Other materials available)**

| PART                            | MATERIALS                          |                             |                             |                   |
|---------------------------------|------------------------------------|-----------------------------|-----------------------------|-------------------|
| Body                            | A216 Gr. WCB (STANDARD)            | A217 Gr. WC6                | A217 Gr. WC9                | A351 Gr. CF8M (1) |
| Bonnet / Yoke arm               | A216 Gr. WCB                       | A217 Gr. WC6                | A217 Gr. WC9                | A351 Gr. CF8M     |
| Wedge                           | A217 Gr CA15 or WCB + 13% CR Faced | WC6 + Stellite 6 Faced      | WC9 + Stellite 6 Faced      | A351 Gr. CF8M     |
| Seat Ring                       | Carbon Steel + Stellite 6 Faced    | A182 F11 + Stellite 6 Faced | A182 F22 + Stellite 6 Faced | SST 316           |
| Stem                            | SST 410                            |                             |                             | SST 316           |
| Stem Bushing                    | A 439 Ductile NI-Resist Gr. D2     |                             |                             |                   |
| Stem Bushing Lock Nut           | Steel                              |                             |                             | SST 316           |
| Gland Flange                    | Carbon Steel                       |                             |                             | Series 300 SST    |
| Eye Bolt                        | A193 Gr. B7                        |                             |                             | A193 Gr. B8       |
| Eye Bolt Nut                    | A194 Gr. 2H                        |                             |                             | A194 Gr.8         |
| Groove Pin                      | Steel                              |                             |                             | Series 300        |
| Gland                           | SST 410                            |                             |                             | SST 316           |
| Packing                         | Graphite                           |                             |                             | PTFE              |
| Packing Washer / Packing Spacer | SST 410                            |                             |                             | SST 316           |
| Gasket                          |                                    |                             |                             |                   |

# **GATE VALVE DIMENSIONS (CLASS 150—1500).**

| SIZE | ASME 150 |      |      |      |      |     | ASME 300 |      |      |      |     | ASME 600 |      |      |      |     |
|------|----------|------|------|------|------|-----|----------|------|------|------|-----|----------|------|------|------|-----|
| in   | A        |      | B(1) | C(1) | D    | E   | A        | B(1) | C(1) | D    | E   | A        | B(1) | C(1) | D    | E   |
| mm   | FE       | WE   |      |      |      |     | WE/FE    |      |      |      |     | WE/FE    |      |      |      |     |
| 1    | 5.00     | 5.00 | 8.6  | 9.8  | 1.00 | 4   | 6.50     | 8.6  | 9.8  | 1.00 | 4   | -        | -    | -    | -    | -   |
| 25   | 127      | 127  | 217  | 248  | 25   | 114 | 165      | 217  | 248  | 25   | 114 | -        | -    | -    | -    | -   |
| 1 ½  | 6.50     | 6.50 | 10.7 | 12.4 | 1.50 | 6   | 7.50     | 10.7 | 12.4 | 1.50 | 6   | -        | -    | -    | -    | -   |
| 40   | 165      | 165  | 271  | 314  | 38   | 152 | 190      | 271  | 314  | 38   | 152 | -        | -    | -    | -    | -   |
| 2    | 7.00     | 8.50 | 12.3 | 14.6 | 2.00 | 7   | 8.50     | 12.3 | 14.6 | 2.00 | 7   | 11.50    | 13.5 | 15.7 | 2.00 | 8   |
| 50   | 178      | 216  | 313  | 372  | 51   | 178 | 216      | 313  | 372  | 51   | 178 | 292      | 342  | 400  | 51   | 203 |
| 2 ½  | 7.50     | 9.50 | 12.8 | 15.6 | 2.50 | 7   | 9.50     | 12.8 | 15.6 | 2.50 | 7   | 13.00    | 18.1 | 21.9 | 2.50 | 12  |
| 65   | 190      | 241  | 324  | 395  | 64   |     |          |      |      |      |     |          |      |      |      |     |

## API 600 GATE VALVES

BOLTED BONNET, ASME CLASSES 150 TO 1500  
CAST CARBON, STAINLESS STEEL OR ALLOY STEEL

| SIZE | ASME 150 |          |          |          |          |          | ASME 300       |      |          |          |          |          | ASME 600 |                |      |          |          |          |          |          |                |
|------|----------|----------|----------|----------|----------|----------|----------------|------|----------|----------|----------|----------|----------|----------------|------|----------|----------|----------|----------|----------|----------------|
|      | F        | in<br>mm | WT<br>FE | lb<br>kg | WT<br>WE | lb<br>kg | C <sub>v</sub> | F    | in<br>mm | WT<br>FE | lb<br>kg | WT<br>WE | lb<br>kg | C <sub>v</sub> | F    | in<br>mm | WT<br>FE | lb<br>kg | WT<br>WE | lb<br>kg | C <sub>v</sub> |
| 1    | 12.0     |          | 14       |          | 12       |          | 90             | 12.0 |          | 19       |          | 15       |          | 90             | -    |          | -        |          | -        |          | -              |
| 25   | 305      |          | 6        |          | 5        |          |                | 305  |          | 9        |          | 7        |          |                | -    |          | -        |          | -        |          | -              |
| 1 ½  | 15.5     |          | 25       |          | 22       |          | 190            | 15.5 |          | 34       |          | 25       |          | 190            | -    |          | -        |          | -        |          | -              |
| 40   | 390      |          | 11       |          | 10       |          |                | 390  |          | 15       |          | 11       |          |                | -    |          | -        |          | -        |          | -              |
| 2    | 19.0     |          | 35       |          | 33       |          | 240            | 19.0 |          | 42       |          | 33       |          | 240            | 20.0 |          | 77       |          | 57       |          | 240            |
| 50   | 475      |          | 16       |          | 15       |          |                | 475  |          | 19       |          | 15       |          |                | 505  |          | 35       |          | 26       |          |                |
| 2 ½  | 19.5     |          | 49       |          | 44       |          | 390            | 19.5 |          | 55       |          | 44       |          | 390            | 26.0 |          | 148      |          | 126      |          | 390            |
| 65   | 500      |          | 22       |          | 20       |          |                | 500  |          | 25       |          | 20       |          |                | 655  |          | 67       |          | 57       |          |                |
| 3    | 22.0     |          | 72       |          | 62       |          |                |      |          |          |          |          |          |                |      |          |          |          |          |          |                |