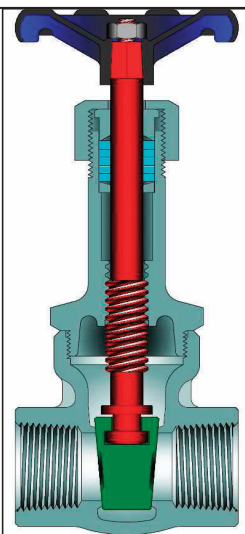


## GATE VALVES

THREADED BONNET, ASME CLASS 200

¼" to 2" (6 TO 50 mm), THREADED OR SOCKET WELD ENDS

CAST STAINLESS STEEL

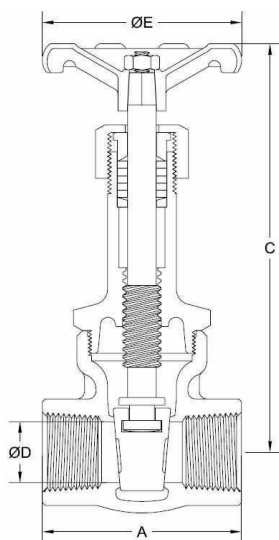


| Class | Figure Number |
|-------|---------------|
| 200   | 1832          |

### DESIGN FEATURES:

- Fully guided solid wedge.
- Socket weld ends are available.
- Each valve is shell, seat and backseat pressure tested per industry standard API 598.
- Integral seats are standard.
- Threaded ends are NPT type per ASME B1.20.1.
- Socket weld ends are per ASME B16.11.

**NOTE:** Powell reserves the right to convert threaded ends to socket weld. Remnant of threads will exist as pipe stop behind socket bore.



C = Center to top open

WT = Weight

C<sub>v</sub> = Flow coefficient

| PART                 | MATERIALS     |
|----------------------|---------------|
| Body                 | A351 Gr. CF8M |
| Bonnet               | A351 Gr. CF8M |
| Wedge                | A351 Gr. CF8M |
| Stem                 | A276 316      |
| Packing Nut          | SST 316       |
| Gland                | SST 316       |
| Packing              | PTFE          |
| Packing Collar       | SST 316       |
| Hand Wheel           | A47           |
| Hand Wheel Nut       | Steel         |
| Identification Plate | Aluminum      |

### Design Specifications

| Item                           | Applicable Specification |
|--------------------------------|--------------------------|
| Pressure - temperature ratings | ASME B16.34              |
| General valve design           | ASME B16.34              |
| Materials                      | ASTM                     |

| SIZE | ASME 200 |      |      |     |      |      |
|------|----------|------|------|-----|------|------|
| in   | A        | C    | D    | E   | WT   | lb   |
| mm   |          |      |      |     |      | kg   |
| ¼    | 1.75     | 4.6  | 0.38 | 2.5 | 0.8  | 7.1  |
| 7    | 44       | 116  | 10   | 64  | 0.4  |      |
| ¾    | 2.00     | 4.6  | 0.38 | 2.5 | 0.8  | 7.1  |
| 10   | 51       | 116  | 10   | 64  | 0.4  |      |
| ½    | 2.25     | 5.3  | 0.50 | 2.8 | 1.3  | 12.6 |
| 13   | 57       | 133  | 13   | 70  | 0.6  |      |
| ¾    | 2.50     | 6.7  | 0.75 | 3.0 | 2.1  | 30   |
| 20   | 64       | 170  | 19   | 76  | 1.0  |      |
| 1    | 3.25     | 7.8  | 1.00 | 3.3 | 3.3  | 55   |
| 25   | 83       | 198  | 25   | 83  | 1.5  |      |
| 1¼   | 3.50     | 9.3  | 1.25 | 3.6 | 4.8  | 87   |
| 32   | 89       | 236  | 32   | 91  | 2.2  |      |
| 1 ½  | 3.75     | 10.5 | 1.50 | 4.1 | 6.2  | 130  |
| 38   | 95       | 267  | 38   | 103 | 2.8  |      |
| 2    | 4.00     | 12.6 | 2.00 | 4.8 | 10.4 | 240  |
| 50   | 102      | 321  | 51   | 121 | 4.7  |      |