

# Dimensions 200 CWP • Threaded Bonnet • Plug Type Disc

## Figure 40

Globe Valve, Threaded Ends, Plug Type Disc

### Size Range:

½ through 2 inches

### Design Features:

- Threaded Bonnet
- Inside Screw
- Rising Stem
- Integral Seat
- MSS SP-42
- ASME B16.34

## Dimensions and Weights

Valve Size	Weight (lbs)	Dimensions (inches)		
		A	B (open)	C
½	1.0	2.60	3.7	2.7
¾	1.4	3.20	3.8	2.7
1	1.8	3.54	4.5	3.1
1½	3.3	4.72	5.8	3.6
2	4.9	5.55	6.6	4.0

Please refer to page 28 for Pressure-Temperature Ratings.

Globe valves are ideal for throttling service. Their flow characteristics permit accurate and repeatable flow control. However, caution must be exercised to avoid extremely close throttling when pressure drop exceeds 20%. This creates excessive noise, vibration and possible damage to valves and piping. CRANE® does not recommend applications in excess of this due to possible damage to the valve.

## Materials of Construction

1	Body	ASTM A351 CF8M
2	Bonnet	ASTM A351 CF8M
3	Disc	316 SS
4	Stem	316 SS
5	Disc Nut	316 SS
6	Disc Washer	316 SS
7	Packing	PTFE
8	Gland	316 SS
9	Gland Nut	316 SS
10	Packing Washer	316 SS
11	Gasket	PTFE
12	Handwheel	Aluminum
13	Handwheel Nut	304 SS
14	ID Tag	Aluminum

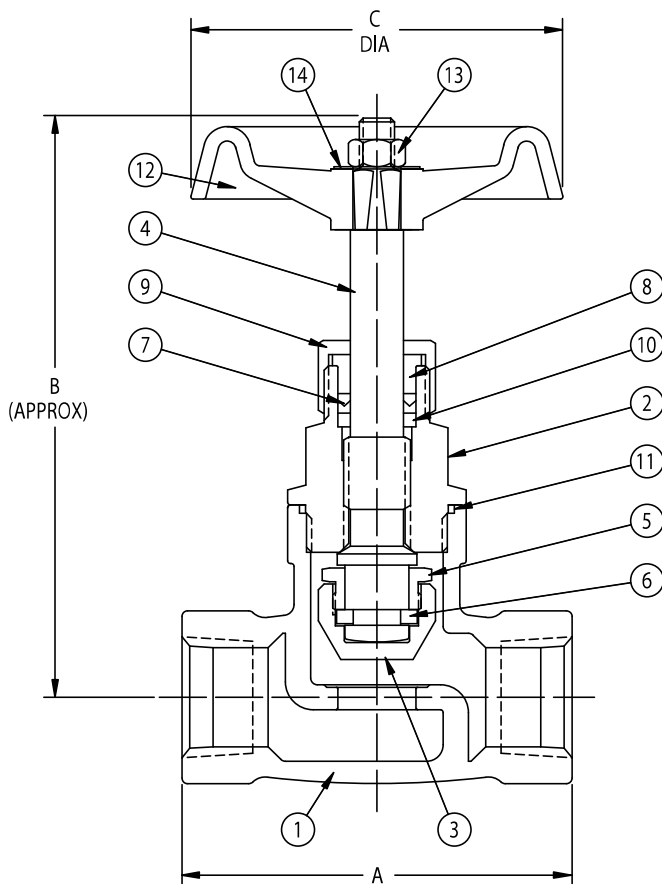


Fig. 40

# Dimensions Class 150 • OS&Y • Plug Type Disc

## Figure 310

Globe Valve, Threaded Ends, Plug Type Disc

## Figure 314

Globe Valve, Socket Weld Ends, Plug Type Disc

### Size Range:

½ through 2 inches

### Design Features:

- Bolted Bonnet
- Recessed Retained Gasket
- Rising Stem
- Integral Seat
- MSS SP-42
- ASME B16.34

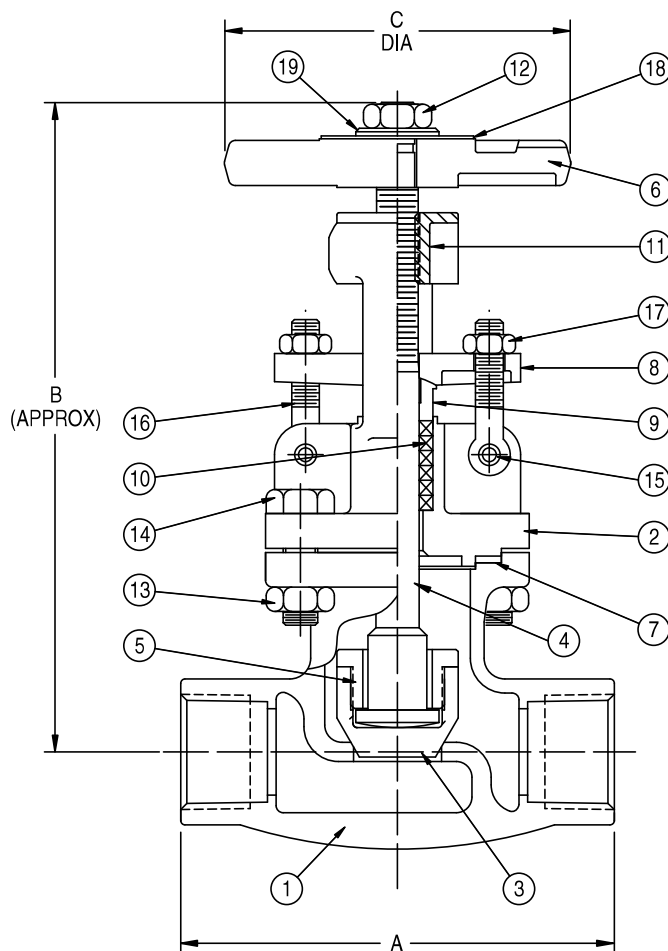


Fig. 310

### Dimensions and Weights

Valve Size	Weight (lbs)	Dimensions (inches)			
		A	B (open)	C	D*
½	6.6	3.74	7.1	3.9	.38
¾	6.9	4.53	7.3	3.9	.50
1	8.7	4.92	7.9	3.9	.50
1 ½	12.6	5.52	9.2	5.5	.50
2	17.3	6.50	10.2	6.3	.31

\*For Figure 314 only - Socket weld depth

Please refer to page 28 for Pressure-Temperature Ratings.

Globe valves are ideal for throttling service. Their flow characteristics permit accurate and repeatable flow control. However, caution must be exercised to avoid extremely close throttling when pressure drop exceeds 20%. This creates excessive noise, vibration and possible damage to valves and piping. CRANE® does not recommend applications in excess of this due to possible damage to the valve.

### Industry Standards

Pipe Threads	ASME B1.20.1
Wall Section	ASME B16.34
Socket Weld Ends	ASME B16.11
End-to-End	Manufacturer's Standard
Pressure-Temp Rating	ASME B16.34
Testing	API 598

### Materials of Construction

1	Body	ASTM A351 CF3M
2	Bonnet	ASTM A351 CF8M
3	Disc	ASTM A351 CF8M
4	Stem	ASTM A276 T316
5	Disc Nut	ASTM A276 T316
6	Handwheel	ASTM A536
7	Gasket	PTFE
8	Gland Flange	ASTM A351 CF8
9	Gland	ASTM A276 T316
10	Packing	PTFE
11	Stem Nut	ASTM A439, D2
12	Handwheel Nut	ASTM A194 GR 8
13	Bonnet Bolt Nut	ASTM A194 GR 8
14	Bonnet Bolt	ASTM A193 GR B8
15	Eyebolt Pin	ASTM A276 T304
16	Eyebolt	ASTM A193 GR B8
17	Eyebolt Nut	ASTM A194 GR 8
18	ID Tag	304 SS
19	Washer	ASTM A276 T304

# Dimensions Class 150 • OS&Y • Plug Type Disc

## Figure 317

Globe Valve, Raised Face, Flanged Ends, Plug Type Disc

### Size Range:

½ through 12 inches

### Design Features:

- Bolted Bonnet
- Recessed Retained Gasket
- Rising Stem
- Integral Seat
- Disc Guide Below Seat
- MSS SP-42
- ASME B16.34

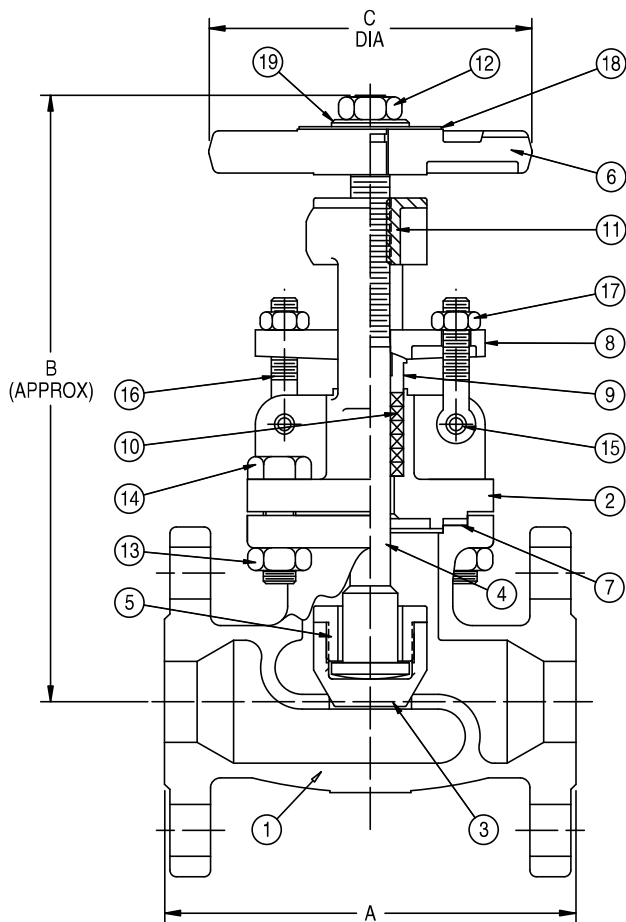


Fig. 317

## Dimensions and Weights

Valve Size	Weight (lbs)	Dimensions (inches)		
		A	B (open)	C
½	7.6	4.25	7.1	3.9
¾	8.9	4.63	7.3	3.9
1	11.6	5.00	7.9	3.9
1 ½	16.4	6.50	9.2	5.5
2	25.2	8.00	10.2	6.3
2 ½	46.3	8.50	11.1	7.9
3	61.7	9.50	13.5	7.9
4	97.0	11.50	14.8	8.8
6	198.5	16.00	16.9	11.0
8	383.7	19.50	22.0	11.8
10	546.8	24.50	29.7	15.7
12	848.9	27.50	32.5	15.7

Please refer to page 28 for Pressure-Temperature Ratings.

Globe valves are ideal for throttling service. Their flow characteristics permit accurate and repeatable flow control. However, caution must be exercised to avoid extremely close throttling when pressure drop exceeds 20%. This creates excessive noise, vibration and possible damage to valves and piping. CRANE® does not recommend applications in excess of this due to possible damage to the valve.

## Industry Standards

End Flanges	ASME B16.5
Wall Section	ASME B16.34
Face-to-Face	ASME B16.10
Pressure-Temp Rating	ASME B16.34
Testing	API 598

## Materials of Construction

1	Body	ASTM A351 CF8M
2	Bonnet	ASTM A351 CF8M
3	Disc	ASTM A351 CF8M
4	Stem	ASTM A276 T316
5	Disc Nut	ASTM A276 T316
6	Handwheel	ASTM A536
7	Gasket	PTFE
8	Gland Flange	ASTM A351 CF8
9	Gland	ASTM A276 T316
10	Packing	PTFE
11	Stem Nut	ASTM A439, D2
12	Handwheel Nut	ASTM A194 GR 8
13	Bonnet Bolt Nut	ASTM A194 GR 8
14	Bonnet Bolt	ASTM A193 GR B8
15	Eyebolt Pin	ASTM A276 T304
16	Eyebolt	ASTM A193 GR B8
17	Eyebolt Nut	ASTM A194 GR 8
18	ID Tag	304 SS
19	Washer	ASTM A276 T304



# Dimensions Class 300 • OS&Y • Plug Type Disc

## Figure 2310

Globe Valve, Threaded Ends, Plug Type Disc

## Figure 2314

Globe Valve, Socket Weld Ends, Plug Type Disc

### Size Range:

½ through 2 inches

### Design Features:

- Bolted Bonnet
- Recessed Retained Gasket
- Rising Stem
- Integral Seat
- MSS SP-42
- ASME B16.34

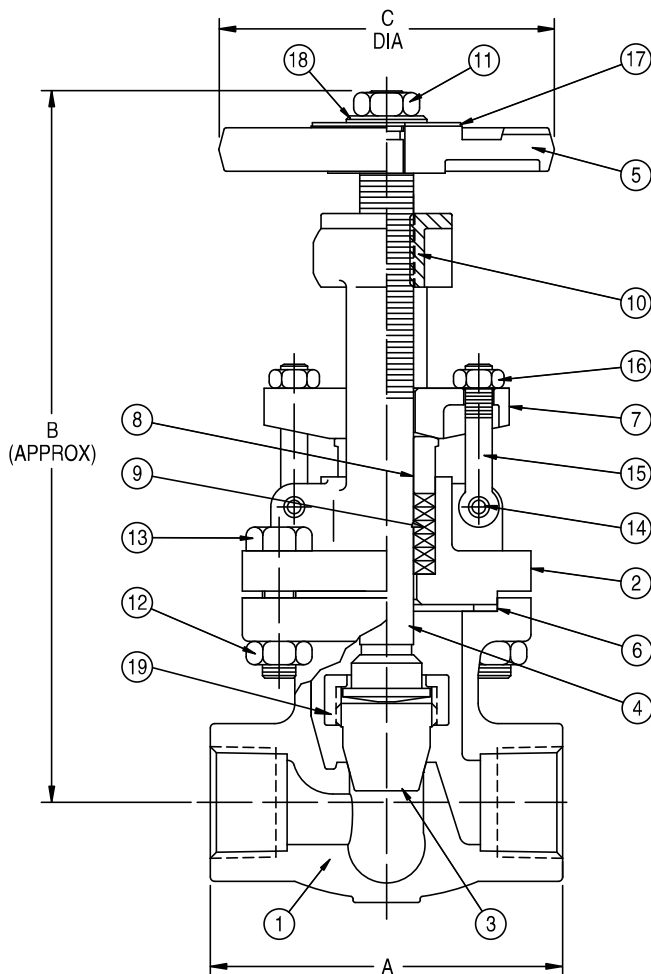


Fig. 2310

### Dimensions and Weights

Valve Size	Weight (lbs)	Dimensions (inches)			
		A	B (open)	C	D*
½	7.0	3.23	7.8	3.9	.38
¾	7.0	3.23	7.8	3.9	.50
1	10.3	4.13	9.0	5.5	.50
1½	18.2	4.92	10.7	7.9	.50
2	22.6	5.91	11.3	7.9	.62

\*For Figure 2314 only - Socket weld depth

Please refer to page 28 for Pressure-Temperature Ratings.

Globe valves are ideal for throttling service. Their flow characteristics permit accurate and repeatable flow control. However, caution must be exercised to avoid extremely close throttling when pressure drop exceeds 20%. This creates excessive noise, vibration and possible damage to valves and piping. CRANE® does not recommend applications in excess of this due to possible damage to the valve.

### Industry Standards

Pipe Threads	ASME B1.20.1
Wall Section	ASME B16.34
Face-to-Face	Manufacturer's Standard
Pressure-Temp. Ratings	ASME B16.34
Socket Weld Ends	ASME B16.11
Testing	API 598

### Materials of Construction

1	Body	ASTM A351 CF3M
2	Bonnet	ASTM A351 CF8M
3	Disc	ASTM A351 CF8M
4	Stem	ASTM A276 T316
5	Handwheel	ASTM A536
6	Gasket	PTFE
7	Gland Flange	ASTM A351 CF8
8	Gland	ASTM A276 T316
9	Packing	PTFE
10	Stem Nut	ASTM A439, D2
11	Handwheel Nut	ASTM A193 GR 8
12	Bonnet Bolt Nut	ASTM A194 GR 8
13	Bonnet Bolt	ASTM A193 GR B8
14	Eyebolt Pin	ASTM A276 T304
15	Eyebolt	ASTM A193 GR B8
16	Eyebolt Nut	ASTM A194 GR 8
17	ID Tag	304 SS
18	Washer	304 SS
19	Stem Ring	ASTM A276 T316

# Dimensions Class 300 • OS&Y • Plug Type Disc

## Figure 2317

Globe Valve, Raised Face, Flanged Ends, Plug Type Disc

### Size Range:

½ through 8 inches

### Design Features:

- Bolted Bonnet
- Recessed Retained Gasket
- Rising Stem, Rising Handwheel
- Integral Seat
- MSS SP-42
- ASME B16.34

## Dimensions and Weights

Valve Size	Weight (lbs)	Dimensions (inches)		
		L	H (open)	W
½	8.5	6.00	7.8	3.9
¾	10.8	7.00	7.8	3.9
1	16.3	8.00	9.0	5.5
1½	28.3	9.00	10.7	7.9
2	34.2	10.50	11.3	7.9
3	83.8	12.50	16.7	11.0
4	130.1	14.00	18.5	11.0
6	317.5	17.50	28.0	13.8
8	562.3	22.00	32.3	15.8

Please refer to page 28 for Pressure-Temperature Ratings.

Globe valves are ideal for throttling service. Their flow characteristics permit accurate and repeatable flow control. However, caution must be exercised to avoid extremely close throttling when pressure drop exceeds 20%. This creates excessive noise, vibration and possible damage to valves and piping. CRANE® does not recommend applications in excess of this due to possible damage to the valve.

## Industry Standards

End Flanges	ASME B16.5
Wall Section	ASME B16.34
Face-to-Face	ASME B16.10
Pressure-Temp Rating	ASME B16.34
Testing	API 598

## Materials of Construction

1	Body	ASTM A351 CF8M
2	Disc	ASTM A351 CF8M
3	Disc Cap	ASTM A351 CF8M
4	Stem	ASTM A276 T316
5	Gasket	PTFE
6	Bonnet	ASTM A351 CF8M
7	Packing	PTFE
8	Gland	ASTM A276 T317
9	Gland Flange	ASTM A351 CF8
10	Yoke Sleeve	ASTM A439 D2
11	Handwheel	ASTM A536
12	ID Tag	304 SS
13	Washer	ASTM A276 420
14	Handwheel Nut	ASTM A194 GR 8
15	Nut	ASTM A194 GR 8
16	Bonnet Bolt	ASTM A193 GR B8
17	Hinge Pin	ASTM A276 T304
18	Bolt	ASTM A193 GR B8
19	Nut	ASTM A194 GR 8

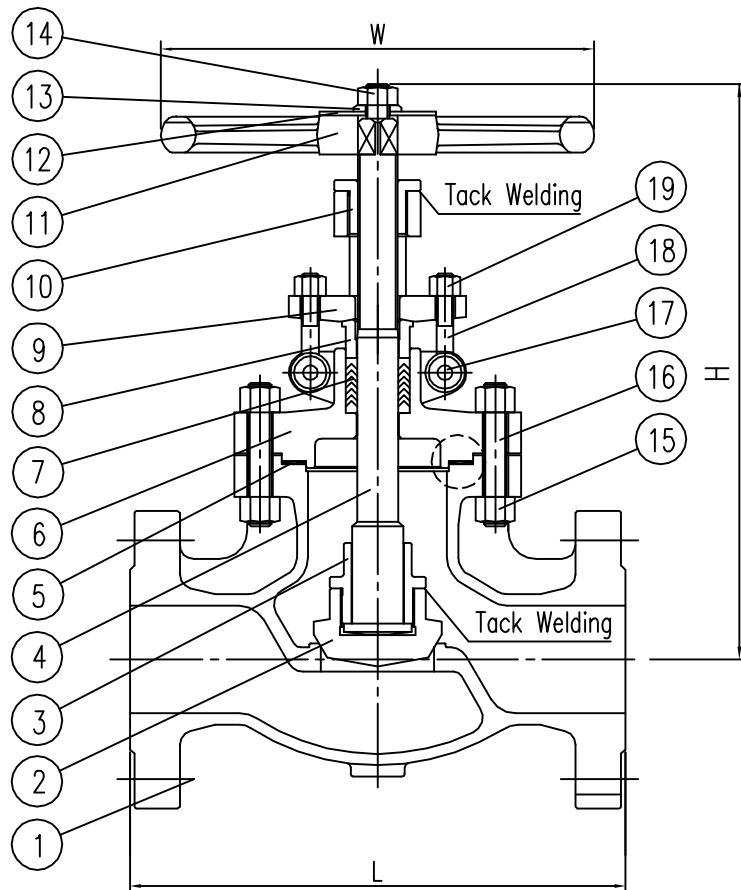


Fig. 2317

# Dimensions Class 600 • OS&Y • Plug Type Disc

## Figure 4310

Globe Valve, Threaded Ends, Plug Type Disc

## Figure 4314

Globe Valve, Socket Weld Ends, Plug Type Disc

### Size Range:

½ through 2 inches

### Design Features:

- Bolted Bonnet
- Recessed Retained Gasket
- Rising Stem
- Integral Seat
- MSS SP-42
- ASME B16.34

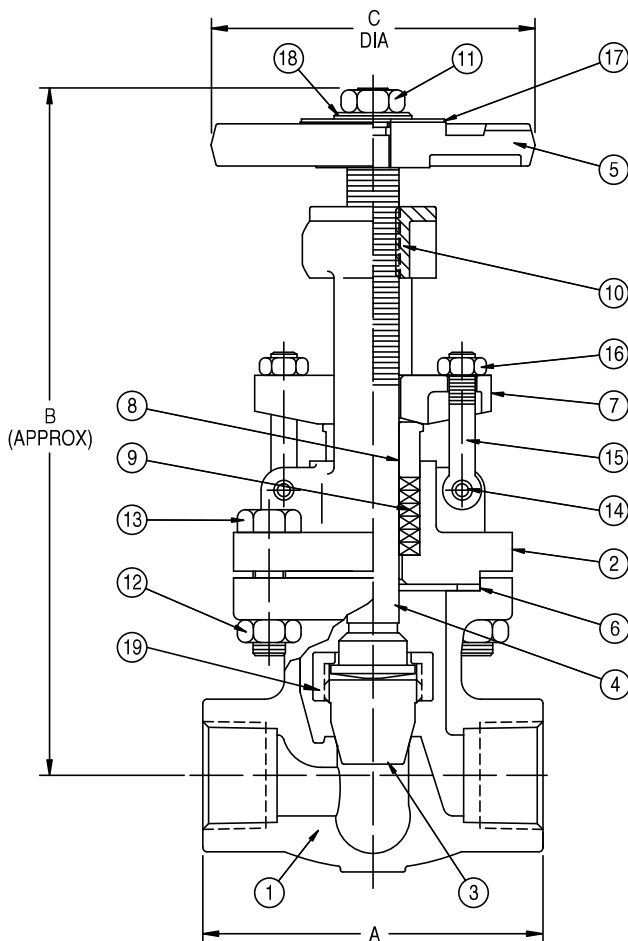


Fig. 4310

## Dimensions and Weights

Valve Size	Weight (lbs)	Dimensions (inches)			
		A	B (open)	C	D*
½	7.0	3.23	7.8	3.9	.38
¾	7.0	3.23	7.8	3.9	.50
1	10.3	4.13	9.0	5.5	.50
1 ½	18.2	4.92	10.7	7.9	.50
2	22.6	5.91	11.3	7.9	.62

\*For Figure 4314 only - Socket weld depth

Please refer to page 28 for Pressure-Temperature Ratings.

Globe valves are ideal for throttling service. Their flow characteristics permit accurate and repeatable flow control. However, caution must be exercised to avoid extremely close throttling when pressure drop exceeds 20%. This creates excessive noise, vibration and possible damage to valves and piping. CRANE® does not recommend applications in excess of this due to possible damage to the valve.

## Industry Standards

Pipe Threads	ASME B1.20.1
Wall Section	ASME B16.34
Face-to-Face	Manufacturer's Standard
Pressure-Temp. Ratings	ASME B16.34
Socket Weld Ends	ASME B16.11
Testing	API 598

## Materials of Construction

1	Body	ASTM A351 CF3M
2	Bonnet	ASTM A351 CF8M
3	Disc	ASTM A351 CF8M
4	Stem	ASTM A276 T316
5	Handwheel	ASTM A536
6	Gasket	PTFE
7	Gland Flange	ASTM A351 CF8
8	Gland	ASTM A276 T316
9	Packing	PTFE
10	Stem Nut	ASTM A439, D2
11	Handwheel Nut	ASTM A193 GR 8
12	Bonnet Bolt Nut	ASTM A194 GR 8
13	Bonnet Bolt	ASTM A193 GR B8
14	Eyebolt Pin	ASTM A276 T304
15	Eyebolt	ASTM A193 GR B8
16	Eyebolt Nut	ASTM A194 GR 8
17	ID Tag	304 SS
18	Washer	304 SS
19	Stem Ring	ASTM A276 T316

# Dimensions Class 600 • OS&Y • Plug Type Disc

## Figure 4317

Globe Valve, Raised Face, Flanged Ends

### Size Range:

2 through 6 inches

### Design Features:

- Bolted Bonnet
- Ring Type Joint Bonnet Gasket
- Rising Stem, Rising Handwheel
- Integral Seat
- MSS SP-42
- ASME B16.34

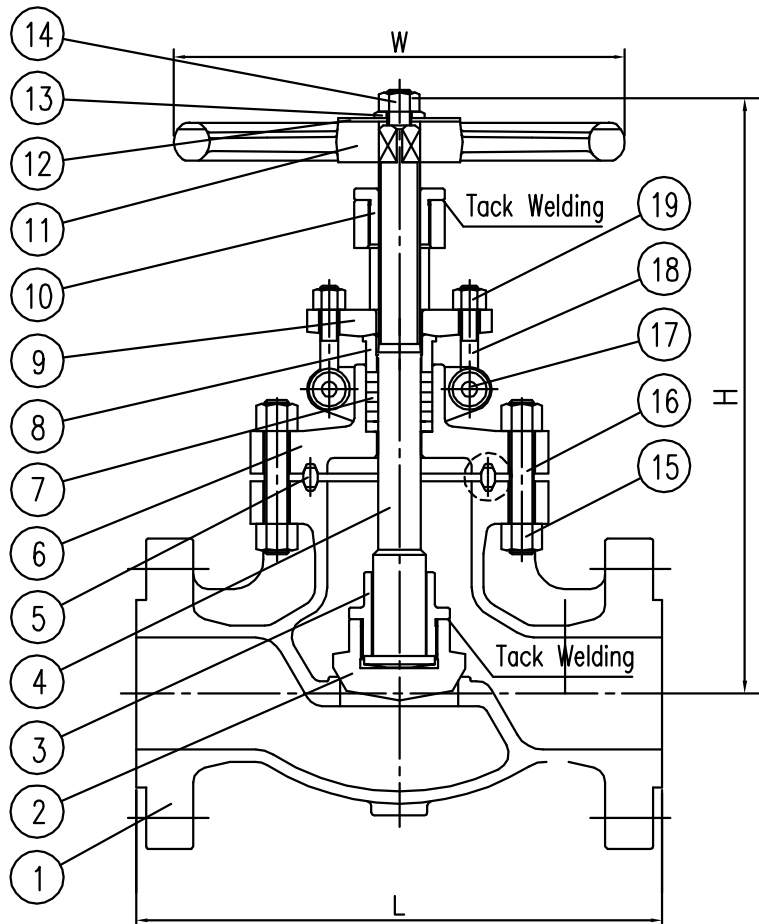


Fig. 4317

## Dimensions and Weights

Valve Size	Weight (lbs)	Dimensions (inches)		
		L	H (open)	W
2	---	11.50	11.3	11.0
2½	119.1	13.00	17.0	11.8
3	138.9	14.00	18.8	13.8
4	264.6	17.00	20.9	17.7
6	480.7	22.00	26.6	19.7

Please refer to page 28 for Pressure-Temperature Ratings.

Globe valves are ideal for throttling service. Their flow characteristics permit accurate and repeatable flow control. However, caution must be exercised to avoid extremely close throttling when pressure drop exceeds 20%. This creates excessive noise, vibration and possible damage to valves and piping. CRANE® does not recommend applications in excess of this due to possible damage to the valve.

## Industry Standards

End Flanges	ASME B16.5
Wall Section	ASME B16.34
Face-to-Face	ASME B16.10
Pressure-Temp Rating	ASME B16.34
Testing	API 598

## Materials of Construction

1	Body	ASTM A351 CF8M
2	Disc	ASTM A351 CF8M
3	Disc Cap	ASTM A351 CF8M
4	Stem	ASTM A276 T316/304
5	Ring Type Joint Gasket	ASTM A276 T316/304
6	Bonnet	ASTM A351 CF8
7	Packing	PTFE
8	Gland	ASTM A276 T316/304
9	Gland Flange	ASTM A351 CF8M
10	Yoke Nut	ASTM A439, D2
11	Handwheel	ASTM A395 65 45 15
12	ID Tag	304 SS
13	Handwheel	ASTM A276 T304
14	Handwheel Nut	ASTM A194 GR 8
15	Nut	ASTM A194 GR 8
16	Bonnet Bolt	ASTM A193 GR B8
17	Hinge Pin	ASTM A276 T304
18	Eyebolt	ASTM A193 GR B8
19	Nut	ASTM A194 GR 8