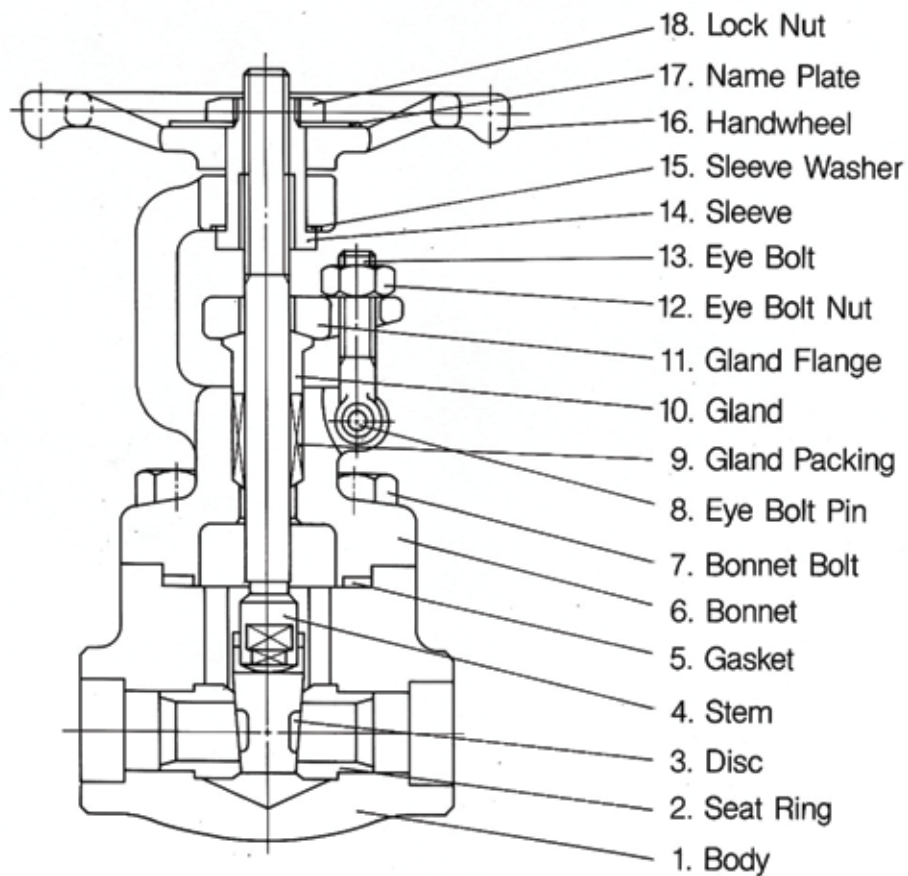


# GATE VALVES

## PARTS NOMENCLATURE



# CLASS 800

**COLD PRESSURE RATING:**  
1975 psi at -20°F to 100°F

**TEST PRESSURE TO API 598**

Shell (Hydrostatic): 2975 psi  
Backseat (Hydrostatic): 2175 psi  
Low Pressure Seat (Air Under Water): 60 psi to 100 psi

\*High-Pressure Closure (Hydrostatic): 2175 psi

\*Conducted on request



G1111R

Valves other than flanged end to be phosphate coated

# GATE

Reduced or Full Port

Bolted Bonnet

Outside Screw & Yoke

Socket Welding, Threaded or Flanged Ends

Renewable Seats

API Standard 602

## DIMENSIONS (METERIC/INCHES)

Class	Valve Size NPS		Center To Top, Open H	End To End L	Handwheel Dia. W		Port Dia. d		Approx. Weight (kg/lb)
	RP(1)	FP(2)							
800	1/4	—	119 4.69	65 2.56	80 3.15	8 0.31	0.9 2.0		
	3/8	—	119 4.69	65 2.56	80 3.15	8 0.31	0.9 2.0		
	1/2	1/2	155 6.10	79 3.11	100 3.94	13 0.51	1.8 4.0		
	3/4	—	155 6.10	92 3.62	100 3.94	13 0.51	2.0 4.4		
	1	3/4	193 7.60	111 4.37	125 4.92	19 0.75	3.8 8.4		
	1 1/4	1	211 8.31	115 4.53	160 6.30	25.5 1.00	5.0 11.0		
	1 1/2	1 1/4	244 9.61	120 4.72	160 6.30	30.2 1.19	6.5 14.3		
	2	—	286 11.26	140 5.51	180 7.09	36.5 1.44	10.1 22.2		
	—	1 1/2	286 11.26	140 5.51	180 7.09	38.5 1.52	10.1 22.2		
	—	2	334 13.15	162 6.38	200 7.87	50.8 2.00	16.0 35.2		
	1500 (RP Only)	1/2	—	185 7.28	111 4.37	125 4.92	13 0.51	4.0 8.8	
		3/4	—	185 7.28	111 4.37	125 4.92	13 0.51	4.0 8.8	
1		—	210 8.27	115 4.53	160 6.30	19 0.75	5.5 12.1		
1 1/4		—	239 9.41	120 4.72	160 6.30	25.5 1.00	7.3 16.1		
1 1/2		—	279 10.98	140 5.51	180 7.09	30.2 1.19	11.0 24.2		
2		—	320 12.60	162 6.38	200 7.87	36.5 1.44	17.0 37.5		

(1) RP: Reduced Port (2) FP: Full Port

Flanged End Dimensions on Pages 34 & 35

## CLASS 1500

### DESCRIPTIONS

CLASS	FIG. NO.	SIZES	TYPE	END
800	G1111R	¼" - 2"	Reduced Port	Socket Welding
	G1112R	¼" - 2"	Reduced Port	Threaded
	G1113R	½" - 2"	Reduced Port	Flanged
	G1111	½" - 2"	Full Port	Socket Welding
	G1112	½" - 2"	Full Port	Threaded
	G1113	½" - 2"	Full Port	Flanged
1500	G2111R	½" - 2"	Reduced Port	Socket Welding
	G2112R	½" - 2"	Reduced Port	Threaded
	G2113R	½" - 2"	Reduced Port	Flanged

### COLD PRESSURE RATING:

3705 psi at -20°F to 100°F

### TEST PRESSURE TO API 598

Shell (Hydrostatic): 5575 psi

Backseat (Hydrostatic): 4100 psi

Low Pressure Seat (Air under Water): 60 psi to 100 psi

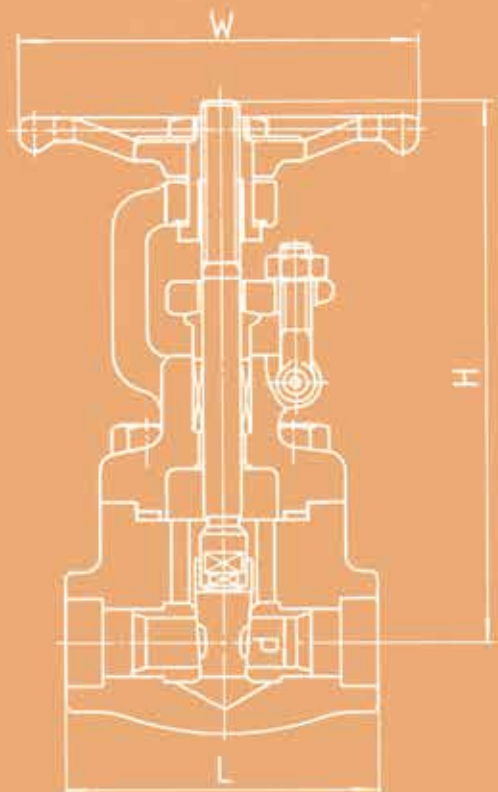
\*High-Pressure Closure (Hydrostatic): 4100 psi

\*Conducted on request

### STANDARD MATERIALS

PARTS	MATERIALS
Body	Forged Carbon Steel
Seat Ring	13Cr Stainless Steel
Disc	Cast 13Cr Stainless Steel
Stem	13Cr Stainless Steel
Gasket	Type 304 Stainless Steel - Asbestos
Bonnet	Forged Carbon Steel
Bonnet Bolt	Alloy Steel
Eye Bolt Pin	Type 304 Stainless Steel
Gland Packing	Graphited Asbestos - Monel® Wire
Gland	13Cr Stainless Steel
Gland Flange	Forged Carbon Steel
Eye Bolt Nut	Carbon Steel
Eye Bolt	13Cr Stainless Steel
Sleeve	13Cr Stainless Steel
Sleeve Washer	13Cr Stainless Steel
Handwheel	Malleable Iron, Painted
Name Plate	Aluminum
Lock Nut	Carbon Steel

Other Materials on Page 5



Valves other than flanged end to be phosphate coated