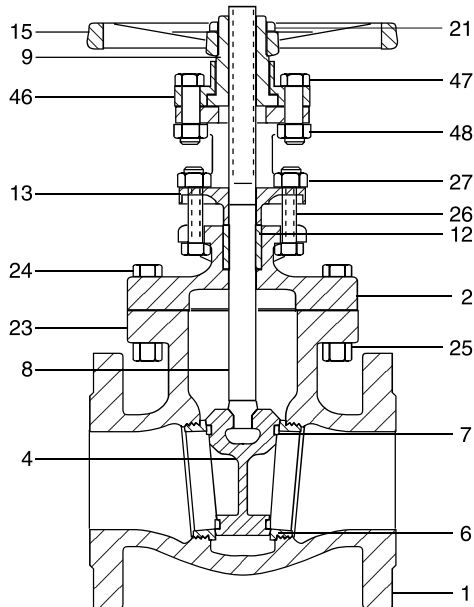


Class 250 • Bolted Bonnet • OS&Y • Bronze Trim • Flanged

F-667 Gate Valve



Industry Standards

MSS SP-70, Type 1

Materials of Construction

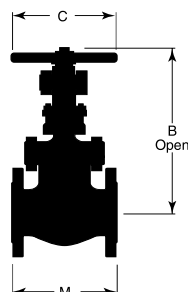
No.	Description	Material	ASTM
1	Body	Cast Iron	A126 Class B
2	Bonnet	Cast Iron	A126 Class B
4	Disc	Bronze (2" - 3")	B584 C84400
		Cast Iron (4" - 12")	A126 Class B
6	Seat Ring	Bronze	B584 C84400
7	Disc Ring	Bronze (4" - 12")	B584 C84400
8	Stem	Manganese Bronze (2" - 4", 6" - 8")	B584 C86400
		Naval Brass (5", 10", 12")	B21 C48500
9	Yoke Sleeve	Manganese Bronze	B584 C86400
12	Packing	Braided Flexible Graphite with Corrosion Inhibitor	
13	Gland	Ductile Iron (2" - 4", 6")	A536 Gr. 65-45-12
		Bronze (8" - 12")	B584 C84400
14	Gland Flange*	Carbon Steel (5")	A307 Gr. B
		Ductile Iron (8" - 12")	A536 Gr. 65-45-12
15	Handwheel	Ductile Iron	A536 Gr. 65-45-12
21	Handwheel Nut	Sintered Nickel Steel (2" - 6")	B484 Gr. 2 Class B Type II
		Ductile Iron (8" - 12")	A536 Gr. 65-45-12
23	Bonnet Gasket	Aramid Fibers with SBR Binder	
24	Bonnet Bolt	Carbon Steel	A307 Gr. B
25	Bonnet Bolt Nut	Carbon Steel	A563 Gr. A
26	Gland Bolt	Carbon Steel (2" - 4", 6" - 8")	A307 Gr. B
	Gland Stud	Carbon Steel (5", 10", 12")	A307 Gr. B
27	Gland Bolt Nut	Carbon Steel Zinc-Plated	A563 Gr. A
46	Yoke Cap	Ductile Iron (2" - 4", 6")	A536 Gr. 65-45-12
		Cast Iron (8")	A126 Class B
47	Yoke Cap Bolt	Carbon Steel	A307 Gr. B
48	Yoke Cap Bolt Nut	Carbon Steel	A563 Gr. A
51	Yoke Hub Bolt*	Carbon Steel (5", 10", 12")	
52	Yoke Hub Bolt Nut*	Carbon Steel (5", 10", 12")	
53	Yoke Pad Bolt*	Carbon Steel (5", 10", 12")	

* Not shown

See page 5 for Pressure Temperature Ratings

Dimensions and Weights

Inches (millimeters) - Pounds (kilograms)



Valve Size	Dimensions			WT
	B	C	M	
2	15.06 (382)	8.00 (203)	8.50 (216)	54 (24)
2 ½	16.69 (424)	8.00 (203)	9.50 (241)	80 (36)
3	18.75 (476)	10.00 (254)	11.12 (282)	114 (52)
4	23.44 (595)	12.00 (305)	12.00 (305)	174 (79)
5	24.00 (609)	14.00 (356)	15.00 (381)	280 (127)
6	31.75 (806)	16.00 (406)	15.88 (403)	332 (151)
8	39.88 (1,012)	18.00 (457)	16.50 (419)	600 (270)
10	41.75 (1060)	22.00 (559)	18.00 (457)	920 (417)
12	47.00 (1193)	24.00 (610)	19.75 (502)	1400 (635)