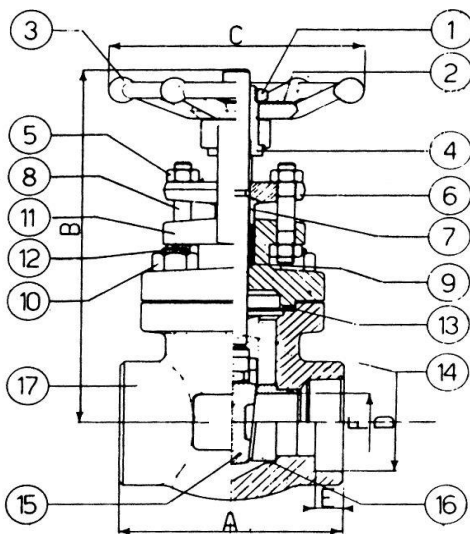


# FORGED STEEL GATE VALVE CLASS 800 LBS.

DRW: GR08 (RB) - GF08 (FB) rev.1



**API 602 - ISO 15761 - ASME B16.34**  
**Testing according to API 598**  
**Marking MSS SP25**  
**Outside screw & yoke (OS&Y)**  
**Bolted Bonnet**  
**SW Socket weld Ends to ANSI B16.11**  
**NPT Screwed Ends to ANSI B1.20.1**

**Ratings (Class 800 according to API 602):**

**carbon steel class 800 :** **136 bar @ +38°C**  
**1975 PSI at 100°F**

**stainless steel 316/L class 800 :** **132 bar @ +38°C**  
**1920 PSI at 100°F**

PART NAME	PARTICOLARE	CARBON STEEL	STAINLESS STEEL
1) HANDWHEEL NUT	DADO	CARBON STEEL	STAINLESS STEEL
2) NAMEPLATE	TARGHETTA	STAINLESS STEEL	STAINLESS STEEL
3) HANDWHEEL	VOLANTINO	CARBON STEEL	CARBON STEEL
4) YOKE NUT	DADO	S.S. AISI 416	S.S. AISI 316L
5) GLAND NUT	DADO PREMISTOPPA	ASTM A194 - 2HM	ASTM A194 - Gr.8M
6) GLANDE FLANGE	FLANGIA	ASTM A105N	ASTM A182 F316L
7) PACKING GLAND	PREMISTOPPA	S.S. AISI 416	S.S. AISI 316L
8) GLAND STUD BOLTS	TIRANTI	ASTMA193 - B7M	ASTMA193 - B8M
9) PACKING RING *	BADERNA *	GRAPHITE	GRAPHITE
10) NUTS	DADO	ASTM A194 - 2HM	ASTM A194 - Gr.8M
11) BONNET	COPERCHIO	ASTMA105N	ASTMA182 F316L
12) STUDS BODY	TIRANTI	ASTMA193 - B7M	ASTMA193 - B8M
13) GASKET *	GUARNIZIONI *	GRAPHITE + A. 316	GRAPHITE + A. 316
14) STEM	STELO	S.S A182 F6a	S.S A182 F316L
15) WEDGE	CUNEO	S.S A182 F6a	S.S A182 F316L
16) SEATS	SEDE	S.S A182 F6a+STELLITE Gr.6	S.S A182 F316L
17) BODY	CORPO	ASTMA105N	ASTMA182 F316L

\* recommended spare parts

ALTERNATE MATERIALS AVAILABLE

EXTERNAL MATERIAL					TRIM MATERIAL			
Body & Bonnet	Gland Flange	Bolts	Nuts	Gland Stud Bolts	Stem	Wedge	Seat	
ASTM A105		B7	2H	410	410	420	410 HF	
					410 HF	410 HF		
		B7M	2HM		316	316HF	316	
					Monel	316		
ASTM A182	A350 - LF2	A105	L7	GR8	410	316L	410 HF	
	F5	A105	B16	2H	316	410	420	
	F9							
	F11							
	F22							
	F304	F316	B8	GR8	316	316	316 HF	316
	F304L							
	F316							
F316L								
					316	316 HF	316	
					316L	316L HF	316L	

REDUCED BORE	mm. inch.	15	20	25	32	40	50
		1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A end to end	mm inch.	80 3,15	90 3,54	110 4,33	127 5,00	127 5,00	127 5,00
B center to top	mm inch.	145 5,71	155 6,10	185 7,28	218 8,58	255 10,04	277 10,91
C handwheel Dn.	mm inch.	80 3,15	80 3,15	100 3,94	120 4,72	140 5,51	140 5,51
D socket weld bore	mm inch.	21,72 0,86	27,05 1,06	33,78 1,33	42,55 1,68	48,64 1,91	61,11 2,41
E bore depth (min.)	mm inch.	9,65 0,38	12,70 0,50	12,70 0,50	12,70 0,50	12,70 0,50	15,75 0,62
F Dn. Of port	mm inch.	10 0,39	14 0,55	18 0,71	24 0,94	30 1,18	36,5 1,44
WEIGHT	Kg.	1,8	2,1	3,6	5,3	7,5	9,8

FULL BORE	mm. inch.	6	10	15	20	25	32	40	50
		1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A end to end	mm inch.	80 3,15	80 3,15	90 3,54	110 4,33	127 5,00	127 5,00	127 5,00	150 / 210 5,90 / 8,26
B center to top	mm inch.	145 5,71	145 5,71	155 6,10	185 7,28	218 8,58	255 10,04	277 10,91	327 12,87
C handwheel Dn.	mm inch.	80 3,15	80 3,15	80 3,15	100 3,94	120 4,72	140 5,51	140 5,51	170 6,69
D socket weld bore	mm inch.	14,1 0,56	17,53 0,69	21,72 0,86	27,05 1,06	33,78 1,33	42,55 1,68	48,64 1,91	61,11 2,41
E bore depth (min.)	mm inch.	9,65 0,38	9,65 0,38	9,65 0,38	12,7 0,50	12,7 0,50	12,7 0,50	12,7 0,50	15,75 0,62
F Dn. Of port	mm inch.	8 0,31	10 0,39	14 0,55	18 0,71	24 0,94	30 1,18	36,5 1,44	48 1,89
WEIGHT	Kg.	1,8	1,8	2,1	3,6	5,3	7,5	9,8	15,0