

# ANSI 150 CAST STEEL GATE VALVE

## BOLTED BONNET O.S. & Y.

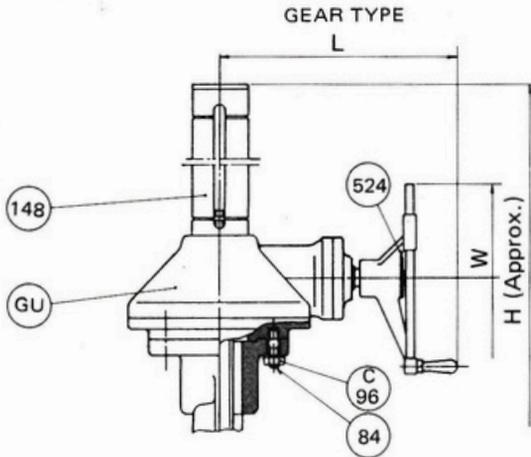
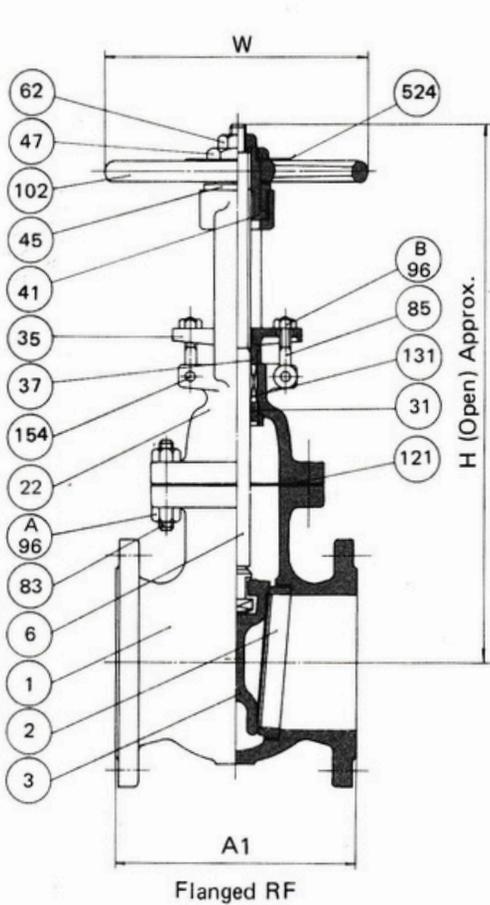
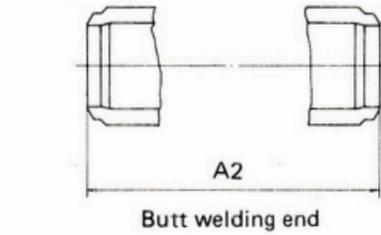


Figure No.	
GA010RA	150 lb Gate RF
GA010WA	150 lb Gate Weld

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BOLTED BONNET GATE VALVES



- Features
- End to end dimensions and Wall thicknesses conform to ANSI and API specifications.
- 8 in. and smaller Valves have a one piece Bonnet and Yoke design.
- 10 in. and larger Valves have a two piece Bonnet and Yoke design.
- 4 in. and smaller Valves have a plain solid Wedge.
- 5 in. and larger Valves have a one piece flexible Wedge.
- 2 in. Valves have a square Bonnet flange.
- 2-1/2 in. and larger Valves have an oval type Bonnet flange.
- Gear operator can be furnished upon request.
- Flange dimensions; 24 in. and smaller Valves conform to ANSI B16.5. 26 in. and larger Valves conform to API 605.

### Material Specifications Trim No. 8

NO.	PART NAME	MATERIAL
GU	Bevel Gear Unit	Cast Iron + etc
524	Name Plate	18Cr-8Ni S. Steel
154	Eye Bolt Pin	13% Cr. S. Steel
148	Stem Cap	Carbon Steel
131	Packing	*3
121	Gasket	*2
102	Handwheel	Nodular Iron
96C	Yoke Bolt Nut	ASTM A194 Gr.2H
96B	Eye Bolt Nut	ASTM A194 Gr.2H
96A	Bonnet Bolt Nut	ASTM A194 Gr.2H
85	Eye Bolt	ASTM A193 Gr.B7
84	Yoke Bolt	ASTM A193 Gr.B7
83	Bonnet Bolt	ASTM A193 Gr.B7
62	Stopper	Carbon Steel
47	Lock Nut	Carbon Steel
45	Sleeve Nut	Carbon Steel
41	Yoke Sleeve	Al-Bronze
37	Gland	ASTM A182 Gr.F6a
35	Gland Flange	Carbon Steel
31	Bonnet Bush	ASTM A182 Gr.F6a
22	Bonnet Yoke	ASTM A216 Gr.WCB
6	Stem	ASTM A182 Gr.F6a
3	Wedge	ASTM A182 Gr.F6a *1
2	Body Seat Ring	ASTM A105 + STL
1	Body	ASTM A216 Gr.WCB

Note \*1 6 in. & 8 in. ASTM A217 Gr. CA15  
10 in. & larger ASTM A216 Gr. WCB + 13% Cr. deposit  
\*2 Compressed asbestos or Corrugated metal  
\*3 Inconel wire reinforced asbestos braided packing

### Dimensions (in./mm)

Nom. Size	in.	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	26	28	30	36	40	42	48
A1	in.	7	7-1/2	8	9	10	10-1/2	11-1/2	13	14	15	16	17	18	20	22	24	24	28	30	31	34
A2	in.	8-1/2	9-1/2	11-1/8	12	15	15-7/8	16-1/2	18	19-3/4	22-1/2	24	26	28	32	34	36	36	40	42	43	46
H	in.	14-7/8	17-1/2	18-3/4	22-3/4	27-5/8	30-3/8	38	47-1/4	55	60-1/8	68-1/2	81-3/4	89-3/8	105	119-3/8	122-7/8	131-5/8	164-1/4	183-7/8	193-3/4	217-1/2
W	in.	7-7/8	7-7/8	9-7/8	9-7/8	11-13/16	11-13/16	14	15-3/4	19-11/16	22-1/16	23-5/8	18-1/8	18-1/8	24	24	24	24	24	30	30	30
L	in.	200	200	250	250	300	300	355	400	500	560	600	460	460	610	610	610	610	610	760	760	760
Weight (Approx.)	lb	37	66	75	106	143	170	265	441	639	816	1036	1323	1654	2040	4190	4631	4410	8489	10617	11687	15678
	Kg	17	30	34	48	65	77	120	200	290	370	470	600	750	925	1900	2100	2000	3850	4815	5300	7110
	lb	33	57	62	93	121	143	221	406	584	750	970	1213	1566	1918	4289	4763	4476	8644	10672	11631	15545
	Kg	15	26	28	42	55	65	100	184	265	340	440	550	710	870	1945	2160	2030	3920	4840	5275	7050



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