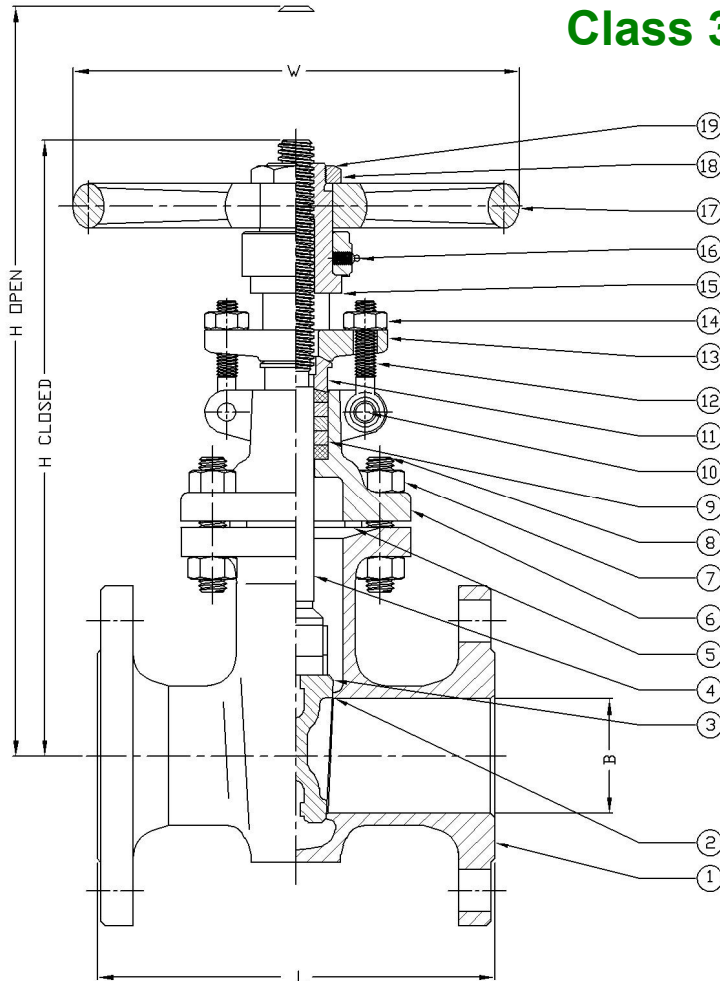


## Gate Valve Class 300



**Standards:**

Face to Face Dimensions: ANSI B16.10  
 End Flange Dimensions: ANSI B16.5  
 Basic Design: API 603  
 Test Standard: API 598

MATERIAL LIST			
NO.	Part Name	ASTM Specification (Specs - Grades/Types)	
		A351	A351
1	Body	CF8 (304)	CF8M (316)
2	Seat-Integral	A351-CF8	A351-CF8M
	Hardfaced Seat Ring/Surface	A182-F304/CoCr-A	A182-F316/CoCr-A
3	Gate	A351-CF8	A351-CF8M
	Hardfaced Gate/Seating Surface	A351-CF8/CoCr-A	A351-CF8M/CoCr-A
4	Stem	A182-F304	A182-F316
5	Gasket	304/Graphite	316/Graphite
6	Bonnet	A351-CF8	A351-CF8M
7	Bonnet Bolt Nut	A194-8	A194-8
8	Bonnet Bolt	A193-B8	A193-B8
9	Packing	Braided Graphite & Die Formed Graphite Ring	Braided Graphite & Die Formed Graphite Ring
10	Eye Bolt Pins	A276-316	A276-316
11	Gland	A276-304	A276-316
12	Eye Bolts	A193-B8	A193-B8
13	Gland Flange	A351-CF8	A351-CF8M
14	Eye Bolt Nut	A194-8	A194-8
15	Opnut	A439 Gr. D2C	A439 Gr. D2C
16	Grease Nipple	A276-316	A276-316
17	Handwheel	Malleable Iron	Malleable Iron
18	Handwheel Nut	Carbon Steel	Carbon Steel
19	Set Screw	Carbon Steel	Carbon Steel

NOTE: Seat rings on valves less than 2 NPS are swaged into the valve body.

DIMENSIONS AND WEIGHTS														
Size	NPS	1/2	3/4	1	1-1/2	2	2-1/2	3	4	5	6	8	10	12
L (RF)	In	5.50	6.00	6.50	7.50	8.50	9.50	11.12	12.00	15.00	15.88	16.50	18.00	19.75
	Mm	140	152	165	190	216	241	283	305	381	403	419	457	502
L (RTJ)	In	6.00	6.50	7.00	8.0	9.12	10.12	11.75	12.62	15.62	16.50	17.12	18.62	20.37
	Mm	151	165	178	203	232	257	298	321	397	419	435	473	518
L (BW)	In	5.50	6.00	6.50	7.50	8.50	9.50	11.12	12.00	15.00	15.88	16.50	18.00	19.75
	Mm	140	152	165	190	216	241	283	305	381	403	419	457	502
B	In	0.50	0.75	1.00	1.50	2.00	2.50	3.00	4.02	5.00	6.00	8.00	10.00	12.00
	Mm	12.7	19.1	25.4	38.1	51	64	76	102	127	152	203	254	305
H (Closed)	In	5.83	6.75	7.87	9.68	14.12	15.12	17.51	19.50	21.75	24.81	30.91	TBD	TBD
	Mm	148	171	200	246	358	384	445.0	495	552	630	785	TBD	TBD
H (Open)	In	6.30	7.60	9.00	1.04	16.75	17.87	21.68	24.25	27.12	31.75	39.97	TBD	TBD
	Mm	160	193	229	280	425	454	550	615	689	805	1015	TBD	TBD
W	In	3.94	3.94	4.72	5.51	7.87	7.87	9.84	9.84	11.81	13.78	15.75	17.82	19.68
	Mm	100	100	120	140	200	200	250	250	300	350	400	450	500
WT	LB	10.78	15.94	23.25	39.68	50.75	77.18	97.00	139.0	194.0	260.12	392.5		
	KG	4.89	7.23	10.55	18.0	23	35	44	63	88	118	178		