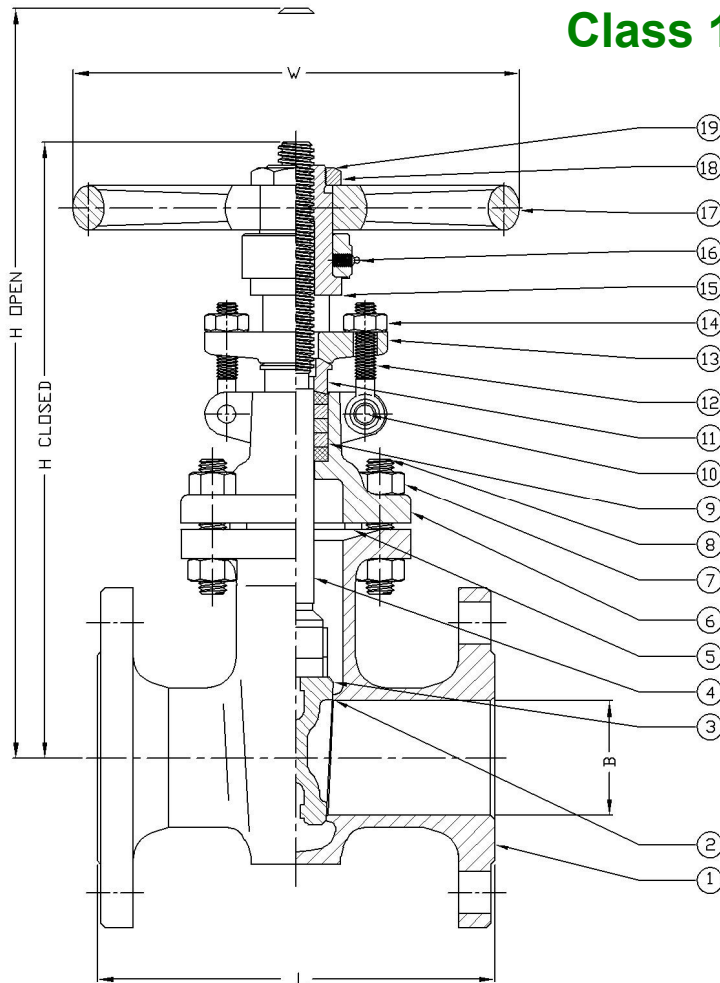


## Gate Valve Class 150



**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 Corrugated	316/Graphite Corrugated
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 swedged 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	4.25	4.60	5.00	6.50	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00
	Mm	108	117	127	165	178	190	203	229	254	267	292	330	356
L (RTJ)	In	N/A	N/A	5.5	7.00	7.50	8.00	8.50	9.50	10.50	11.00	12.00	13.50	14.50
	Mm	N/A	N/A	140	178	191	203	216	241	267	279	305	343	368
L (BW)	In	4.25	4.60	5.00	6.50	8.50	9.50	11.12	12.00	15.00	15.88	16.50	18.00	19.75
	Mm	108	117	127	165	216	241	283	305	381	403	419	457	502
B	In	0.50	0.71	0.95	1.44	2.00	2.50	3.00	4.02	5.00	6.00	8.00	10.00	12.00
	Mm	12.7	18	24	36.5	51	64	76	102	127	152	203	254	305
H (Closed)	In	5.83	6.75	7.87	9.68	12.62	13.38	16.00	18.90	20.5	23.43	28.94	35.81	40.75
	Mm	148	171	200	246	320	340	405	480	520	595	735	910	1035
H (Open)	In	6.30	7.60	9.00	1.04	15.38	15.62	19.88	23.62	26.00	30.50	37.81	47.25	54.12
	Mm	160	193	229	280	390	396	505	600	660	775	960	1200	1375
W	In	3.94	4.18	6.30	7.09	8	8	10	10	12	12	12	14	16
	Mm	100	106	160	180	200	200	250	250	300	300	300	350	400
WT	LB	8.77	13.50	19.93	34.17	28.5	39.5	51	80	103.5	128	196	284	441
	KG	3.98	6.12	9.04	15.5	13	18	23	36	47	58	89	129	200