

Fig # 300-16

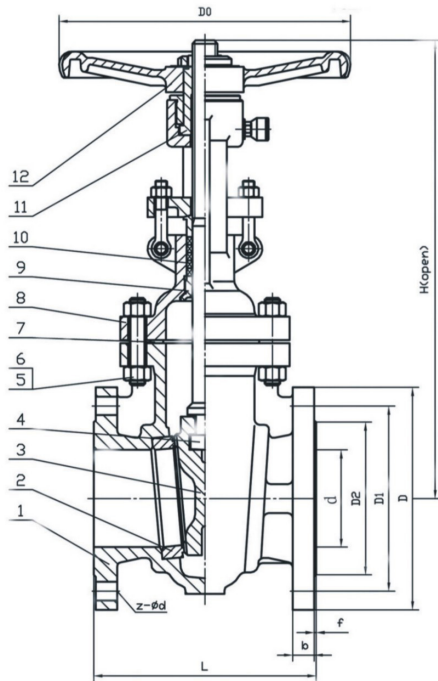
Applicable Standards:

Steel Gate Valves, API 600/API 6D
 Steel Gate Valves, ISO 10434/ISO 14313
 Steel Valves, ASME B16.34
 Face to Face, ASME B16.10
 End Flange ASME B16.5
 Inspection and Test, API 598/API 6D

Design:

OS & Y, Outside Screw and Yoke
 BB, Bolted Bonnet
 Flexible Wedge
 Forged T-head Stem
 Rising Stem and Non-rising Handwheel

NO	PART NAME	MATERIAL
01	Body	ASTM A216-WCB
02	Seat	ASTM A105+STL
03	Solid Wedge Disc	ASTM A216-WCB+STL
04	Stem	17-4 PH
05	Bonnet Bolt	ASTM A193 Gr.B7
06	Bonnet Bolt Nut	ASTM A194 Gr.2H
07	Gasket	Graphite+304
08	Bonnet	ASTM A216-WCB
09	Back Seat	Integral Metal Deposited STL
10	Packing	Customer Specified
11	Stem Nut	Copper Alloy
12	Handwheel	ASTM A47-32510



NPS	Typical Dimensions (in)				Class 300LB Flange Dimensions (in)							WT Lbs
	d	L	H	D0	D	D1	D2	b	f	n	Φd	
2	2	8.5	16.53	7.87	6.5	5	3.62	0.9	0.06	8	0.74	55
2-1/2	2-1/2	9.48	17.55	7.87	7.48	5.86	4.13	1.02	0.06	8	0.86	66
3	3	11.14	21.24	9.84	8.26	6.61	5	1.14	0.06	8	0.86	105
4	4	12	24.37	11.02	10	7.87	6.18	1.25	0.06	8	0.86	160
6	6	15.86	25	13.77	12.5	10.61	8.5	1.45	0.06	12	0.86	286
8	8	16.5	39.37	15.74	15	13	10.62	1.65	0.06	12	0.98	458
10	10	18	48.81	17.71	17.5	15.25	12.75	1.88	0.06	16	1.1	735
12	12	19.75	56.1	19.68	20.5	17.75	15	2	0.06	16	1.25	990
14	14	30	62.4	23.62	23	20.25	16.25	2.12	0.06	20	1.25	1548
16	16	33	70.47	19.68	25.5	22.5	18.5	2.28	0.06	20	1.37	2030
18	18	36	77.16	25.59	28	24.74	21	2.4	0.06	24	1.37	2488
20	20	39	84.96	29.52	30.5	27	23	2.51	0.06	24	1.37	2960
24	24	45	101.41	35.43	36	32	27.25	2.75	0.06	24	1.61	4668