

## ANSI CLASS 125 CAST IRON NRS GATE VALVE

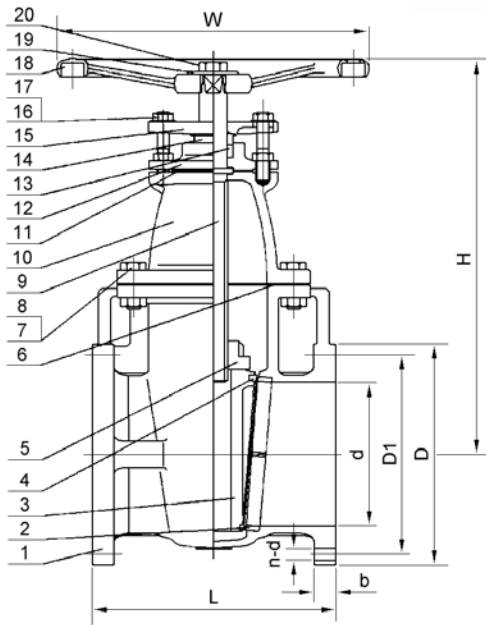
**FIG. 275-CI-125** Class 125, Flanged ends, bolted bonnet, Cast Iron body & bonnet, Bronze trim.



Flange dimensions: ANSI B16.1  
 Face-to-Face dimensions: ANSI B16.10  
 Testing & Design: MSS-SP-70

**Materials:**

No.	Part Name	Specification
1	Body	ASTM A536
2	Seat ring	ASTM B62
3	Wedge/disc	ASTM A536
4	Wedge/disc ring	ASTM B62
5	Wedge/disc nut	Mn-Brass
6	Bonnet gasket	Graphite & steel
7	Bonnet bolt	ASTM A307
8	Bonnet nut	Carbon steel
9	Stem	ASTM B16
10	Bonnet	ASTM A536
11	Stuffing box gasket	Graphite & steel
12	Stuffing box	ASTM A126B
13	Packing	Graphite
14	Packing gland	ASTM B16
15	Gland follower	ASTM A536
16	Packing gland bolt	Carbon steel
17	Packing gland nut	Carbon steel
18	Handwheel	ASTM A126B
19	Washer	Carbon steel
20	Nut	Carbon steel



**Dimensions:**

Size		L		D		D1		b		n-d	H		W		Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	in	in	mm	in	mm	lb	kg
2	50	7	178	6	152	4 <sup>3</sup> / <sub>4</sub>	121	5 <sup>8</sup> / <sub>16</sub>	15.9	4 - 3 <sup>4</sup> / <sub>16</sub>	12 <sup>1</sup> / <sub>4</sub>	311	7 <sup>7</sup> / <sub>8</sub>	200	40	18
2½	65	7½	190	7	178	5½	140	11/16	17.5	4 - 3 <sup>4</sup> / <sub>16</sub>	13 <sup>3</sup> / <sub>8</sub>	333	7 <sup>7</sup> / <sub>8</sub>	200	55	25
3	80	8	203	7½	190	6	152	3 <sup>4</sup> / <sub>16</sub>	19	4 - 3 <sup>4</sup> / <sub>16</sub>	14½	368	7 <sup>7</sup> / <sub>8</sub>	200	64	29
4	100	9	229	9	229	7½	191	15/16	23.8	8 - 3 <sup>4</sup> / <sub>16</sub>	17	432	10	254	106	48
5	125	10	254	10	254	8½	216	15/16	23.8	8 - 7 <sup>8</sup> / <sub>16</sub>	17 <sup>7</sup> / <sub>8</sub>	454	11¾	298	143	65
6	150	10½	267	11	279	9½	241	1	25.4	8 - 7 <sup>8</sup> / <sub>16</sub>	21 <sup>1</sup> / <sub>8</sub>	543	11¾	298	176	80
8	200	11½	292	13½	343	11¼	298	1 <sup>1</sup> / <sub>8</sub>	28.6	8 - 7 <sup>8</sup> / <sub>16</sub>	26¼	667	13 <sup>5</sup> / <sub>8</sub>	346	285	130
10	250	13	330	16	406	14¼	362	1 3/16	30.2	12 - 1	29 <sup>5</sup> / <sub>8</sub>	752	15¾	400	440	200
12	300	14	356	19	483	17	432	1¼	31.8	12 - 1	34 <sup>5</sup> / <sub>8</sub>	451	17¾	451	623	283
14	350	15	381	21	533	18¾	476	1 <sup>1</sup> / <sub>8</sub>	34.9	12 - 1 <sup>1</sup> / <sub>8</sub>	39 <sup>3</sup> / <sub>8</sub>	505	19 <sup>1</sup> / <sub>8</sub>	505	825	375
16	400	16	406	23½	597	21¼	540	1 7/16	36.5	12 - 1 <sup>1</sup> / <sub>8</sub>	43¼	556	21 <sup>1</sup> / <sub>8</sub>	556	1093	497
18	450	17	432	25	635	22¾	578	1 9/16	39.7	16 - 1¼	47 <sup>5</sup> / <sub>8</sub>	612	24 <sup>1</sup> / <sub>8</sub>	613	1333	606
20	500	18	457	27½	699	25	635	1 11/16	42.9	20 - 1¼	54¼	612	24 <sup>1</sup> / <sub>8</sub>	613	1958	890
24	600	20	508	32	813	29½	749	1 <sup>1</sup> / <sub>8</sub>	47.6	20 - 1 <sup>1</sup> / <sub>8</sub>	57¼	699	27½	699	2574	1170
30	750	24	610	38¾	984	36	914	2 <sup>1</sup> / <sub>8</sub>	54	28 - 1 <sup>1</sup> / <sub>8</sub>	84¼	699	27½	699	5104	2320
36	900	28	711	46	1168	42¾	1086	2 <sup>1</sup> / <sub>8</sub>	60.3	32 - 1 <sup>1</sup> / <sub>8</sub>	93 <sup>3</sup> / <sub>8</sub>	800	31 <sup>1</sup> / <sub>8</sub>	800	8382	3810