

GATE VALVES

MILWAUKEE VALVE COMPANY

GATE 105 BRONZE

125 lb. SWP-200 lb. WOG† • General Service
Solid Wedge Disc • Non-Rising Stem
Threaded Bonnet • Gland Packed • Threaded Ends

4" size has split wedge and bolted bonnet. It is not covered in MSS SP-80.

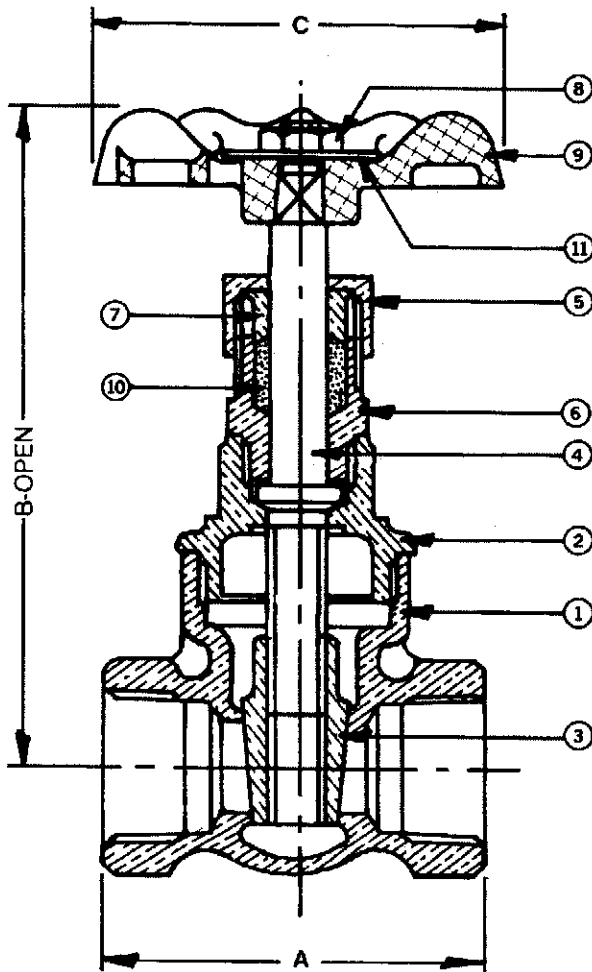
SPECIFICATIONS

105	Conforms to: MSS SP-80, Type 1, Class 125, Threaded Ends.
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MATERIAL LIST

NO.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B 62
2	Bonnet	Bronze	ASTM B 62
3	Wedge	Bronze	ASTM B 62
4	Stem	Bronze	ASTM B 62
5	Stuff Nut	Brass	ASTM B283 C37700
6	Check Nut	Brass	ASTM B283 C37700
7	Gland	Brass	ASTM B124 C37700
8	Wheel Nut	Brass	Commercial
9	Handwheel	Mall. Iron	Commercial
10	Packing	Graphite	Commercial
11	Name Plate	Sh. Alum.	Commercial

¹ Not used on 1/2" and smaller.



DIMENSIONS - INCHES / MILLIMETERS

Units	Size	A	B	C	C _v
Inches	1/4	1.75	3.63	2.00	5.6
mm	6.4	44.5	92.1	50.8	
Inches	3/8	1.81	3.63	2.00	10.7
mm	9.5	46.1	92.1	50.8	
Inches	1/2	2.00	3.63	2.00	17.6
mm	12.7	50.8	92.1	50.8	
Inches	3/4	2.13	4.38	2.50	32.0
mm	19.1	54.0	111.1	63.5	
Inches	1	2.56	5.00	2.75	54.0
mm	25.4	65.1	127.0	69.9	
Inches	1 1/4	2.78	5.31	3.13	97.0
mm	31.8	70.6	135.0	79.4	
Inches	1 1/2	2.81	6.34	3.50	135.0
mm	38.1	71.5	161.1	88.9	
Inches	2	3.31	7.44	3.75	230.0
mm	50.8	84.2	188.9	95.3	
Inches	2 1/2	4.19	9.13	4.75	337.0
mm	63.5	106.4	231.8	120.7	
Inches	3	4.63	10.47	5.25	536.0
mm	76.2	117.5	265.9	133.4	
Inches	4	5.50	15.50	5.25	960.0
mm	101.6	139.7	393.7	133.4	

† Non-Shock

Rev 5

INNOVATION IN EVERY VALVE



MILWAUKEE VALVE

www.milwaukeevalve.com

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⊕ Printed on recycled paper with soy ink. 05/05

GATE 115 BRONZE

125 lb. SWP-200 lb. WOG† • General Service
Solid Wedge Disc • Non-Rising Stem
Threaded Bonnet • Gland Packed • Sweat Ends

4" size has split wedge and bolted bonnet. It is not covered in MSS SP-80.

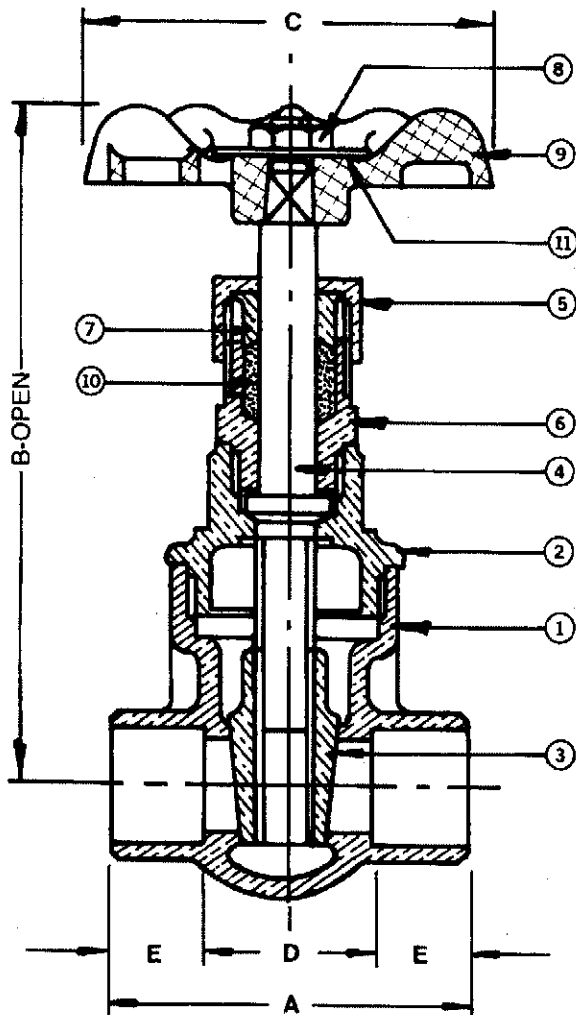
SPECIFICATIONS

115	Conforms to: MSS SP-80, Type 1, Class 125, Soldered Ends.
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MATERIAL LIST

NO.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B 62
2	Bonnet	Bronze	ASTM B 62
3	Wedge	Bronze	ASTM B 62
4	Stem	Bronze	ASTM B 62
5	Stuff Nut	Brass	ASTM B283 C37700
6	Check Nut	Brass	ASTM B283 C37700
7 ¹	Gland	Brass	ASTM B124 C37700
8	Wheel Nut	Brass	ASTM B 16
9	Handwheel	Mall. Iron	Commercial
10	Packing	Graphite	Commercial
11	Name Plate	Sh. Alum.	Commercial

¹ Not used on 1/2" and smaller.



DIMENSIONS - INCHES / MILLIMETERS

Units	Size	A	B	C	D	E	Cv
Inches	3/8	1.63	3.56	2.00	0.88	0.38	5.6
mm	9.5	41.3	90.5	50.8	22.2	9.5	
Inches	1/2	1.88	3.56	2.00	0.88	0.50	10.7
mm	12.7	47.6	90.5	50.8	22.2	12.7	
Inches	3/4	2.50	4.75	2.50	1.00	0.75	17.6
mm	19.1	63.5	120.7	63.5	25.4	19.1	
Inches	1	3.00	5.00	2.75	1.19	0.91	32.0
mm	25.4	76.2	127.0	69.9	30.2	23.0	
Inches	1 1/4	3.25	5.88	3.13	1.31	0.97	54.0
mm	31.8	82.6	149.2	79.4	33.4	24.6	
Inches	1 1/2	3.63	6.50	3.50	1.44	1.09	97.0
mm	38.1	92.1	165.1	88.9	36.5	27.8	
Inches	2	4.31	7.44	3.75	1.63	1.34	135.0
mm	50.8	109.6	188.9	95.3	41.3	34.1	
Inches	2 1/2	4.81	9.13	4.75	1.88	1.47	230.0
mm	63.5	122.3	231.8	120.7	47.6	37.3	
Inches	3	5.44	10.38	5.25	2.13	1.66	337.0
mm	76.2	138.1	263.5	133.4	54.0	42.0	
Inches	4	7.25	15.50	5.25	2.16	2.94	536.0
mm	101.6	184.2	393.7	133.4	54.8	74.6	

† Non-Shock

Rev 5

INNOVATION IN EVERY VALVE



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GATE 1151 BRONZE

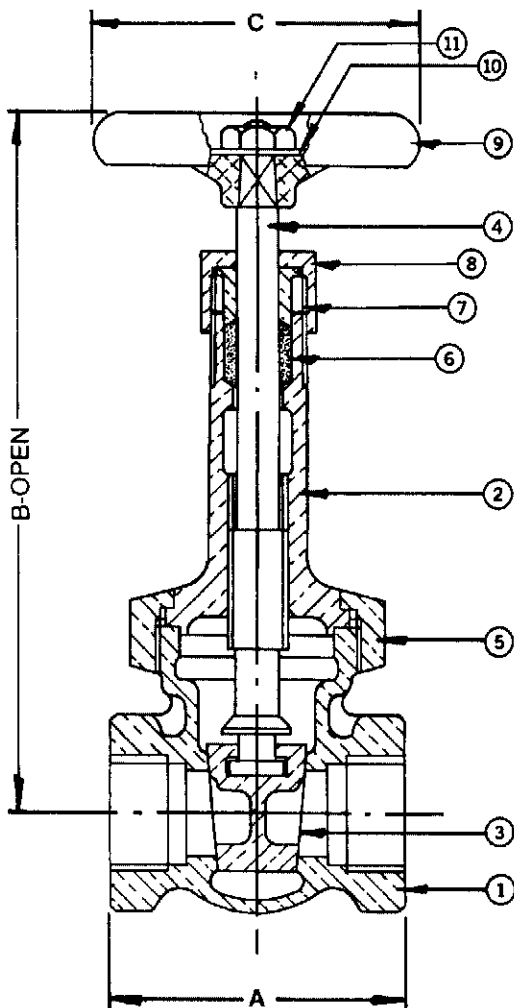
150 lb. SWP-300 lb. WOG† • Industrial Service
Solid Wedge Disc • Rising Stem
Union Bonnet • Gland Packed • Threaded Ends

SPECIFICATIONS

1151	Conforms to: MSS SP-80, Type 2, Class 150, Threaded Ends.
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MATERIAL LIST

NO.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B 62
2	Bonnet	Bronze	ASTM B 62
3	Wedge Disc	Bronze	ASTM B 62
4	Stem	Bronze	ASTM B 62
5	Union Bonnet Nut	Bronze	ASTM B 62
6	Packing	Graphite	Commercial
7	Gland	Brass	ASTM B124 C37700
8	Packing Nut	Brass	ASTM B283 C37700
9	Handwheel	Mall. Iron	Commercial
10	Identification Plate	Aluminum	Commercial
11	Handwheel Nut	Brass	Commercial



DIMENSIONS - INCHES / MILLIMETERS

Units	Size	A	B	C	C _v
Inches	1/4	1.75	5.13	2.00	5.6
mm	6.4	44.5	130.2	50.8	
Inches	3/8	1.88	5.13	2.00	10.7
mm	9.5	47.6	130.2	50.8	
Inches	1/2	2.13	5.50	2.50	17.6
mm	12.7	54.0	139.7	63.5	
Inches	3/4	2.25	6.25	2.75	32.0
mm	19.1	57.2	158.8	69.9	
Inches	1	2.56	7.19	2.75	54.0
mm	25.4	65.0	182.6	69.9	
Inches	1 1/4	2.78	8.56	3.13	97.0
mm	31.8	70.6	217.5	79.4	
Inches	1 1/2	3.25	9.63	3.50	135.0
mm	38.1	82.6	244.5	88.9	
Inches	2	3.63	11.75	4.00	230.0
mm	50.8	92.1	298.5	101.6	
Inches	2 1/2	4.50	14.50	4.00	337.0
mm	63.5	114.3	368.3	120.7	
Inches	3	4.88	16.75	5.25	536.0
mm	76.2	123.8	425.5	133.4	

† Non-Shock

Rev 6

INNOVATION IN EVERY VALVE



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GATE 2882A IRON

125 lb. SWP-200 lb. WOG† • Non-Rising Stem
Solid Wedge Disc • Bolted Bonnet • Gland Packed • Flanged Ends

Flange shape and drilling to specification ASME B 16.1 (125 lb.)

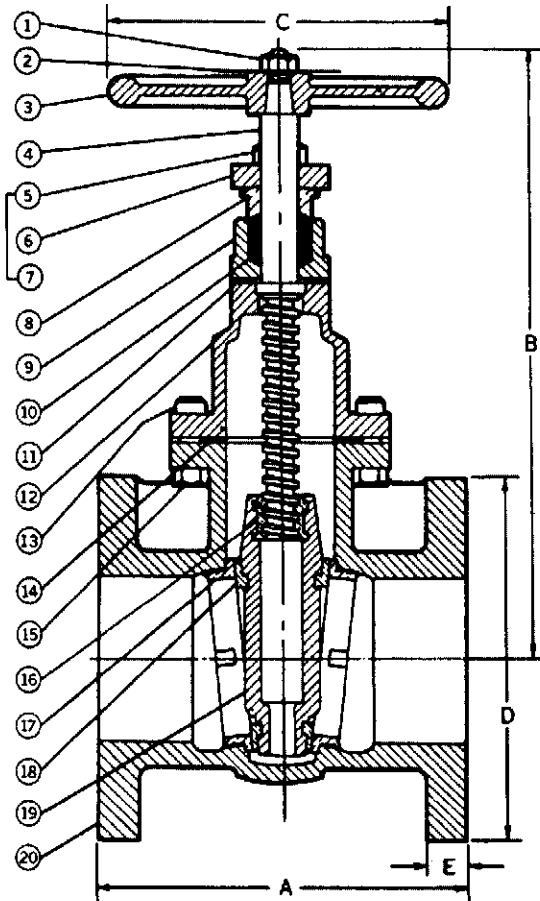
SPECIFICATIONS

2882A Conforms to: MSS SP-70

MATERIAL LIST

NO.	DESCRIPTION	MATERIAL & SPECIFICATION
1	Handwheel Nut	Steel
2	Identification Plate	Aluminum
3	Handwheel	Cast Iron ASTM A 126, Class B
4	Stem	Brass ASTM B 16
5	Gland Follower Nut	Bronze
6	Gland Follower	Cast Iron ASTM A 126, Class B
7	Gland Follower Bolt	Steel
8	Packing Gland	Brass ASTM B 16
9	Stuffing Box	Cast Iron ASTM A 126, Class B
10	Packing	Graphite Non-Asb. Fibers
11	Stuffing Box Gasket	Graphite Non-Asb. Fibers
12	Bonnet	Cast Iron ASTM A 126, Class B
13	Body Bolt	Steel
14	Body Gasket	Graphite Non-Asb. Fibers
15	Body Nut	Steel
16	Wedge Bushing	Cast Bronze ASTM B 62
17	Seat Ring	Cast Bronze ASTM B 62
18	Wedge Face Ring	Cast Bronze ASTM B 62
19	Wedge	Cast Iron ASTM A 126, Class B
20	Body	Cast Iron ASTM A 126, Class B
21	Stuffing Box Nut (not shown)	Bronze

¹ Sizes through 4" have bronze wedges. Sizes 5" through 12" made with cast iron wedge with bronze wedge face rings



DIMENSIONS - INCHES / MILLIMETERS

Units	Size	A	B	C	D	E	C _v
Inches	2	7.00	12.00	7.00	6.00	0.63	215
mm	50.8	177.8	304.8	177.8	152.4	15.9	
Inches	2 1/2	7.50	13.25	7.00	7.00	0.69	335
mm	63.5	190.5	336.6	177.8	177.8	17.5	
Inches	3	8.00	13.50	8.00	7.50	0.75	510
mm	76.2	203.2	342.9	203.2	190.5	19.1	
Inches	4	9.00	17.00	10.00	9.00	0.94	945
mm	101.6	228.6	431.8	254.0	228.6	23.8	
Inches	5	10.00	18.00	12.00	10.00	0.94	1525
mm	127.0	254.0	457.2	304.8	254.0	23.8	
Inches	6	10.50	22.00	12.00	11.00	1.00	2250
mm	152.4	266.7	558.8	304.8	279.4	25.4	
Inches	8	11.50	26.50	14.00	13.50	1.13	4150
mm	203.2	292.1	673.1	355.6	342.9	28.6	
Inches	10	13.00	30.00	16.00	16.00	1.19	6700
mm	254.0	330.2	762.0	406.4	406.4	30.1	
Inches	12	14.00	35.00	18.00	19.00	1.25	9925
mm	304.8	355.6	889.0	457.2	482.6	31.8	

† Non-Shock

Rev. 4

INNOVATION IN EVERY VALVE



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GATE F-2885A

IRON

125 lb. SWP-200 lb. WOG† • OS and Y
 Solid Wedge Disc • Bolted Bonnet • Gland Packed • Flanged Ends

125 PSI/8.6 Bar Fluid Pressure to 353° F/178° C
 200 PSI/13.8 Bar Non-Shock Cold Working Pressure
 to -20° F to 150° F/-29° C to 66° C.

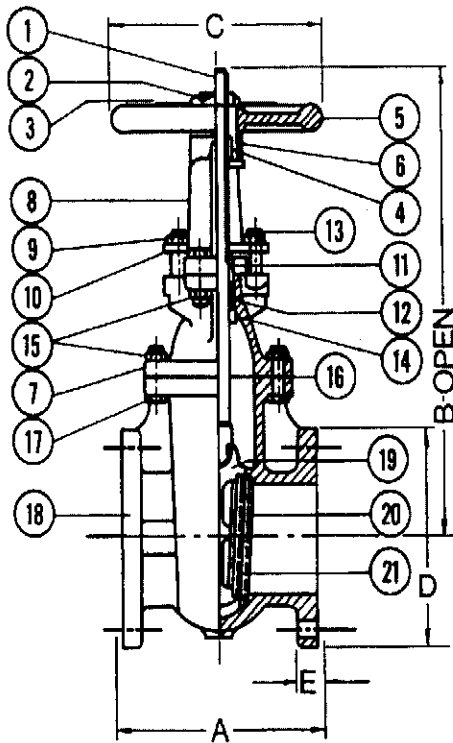
Flange shape and drilling to specification ASME B 16.1 (125 lb.)

SPECIFICATIONS

F-2885-A	Conforms to: MSS SP-70.
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MATERIAL LIST

NO.	DESCRIPTION	MATERIAL & SPECIFICATION
1	Stern	Brass ASTM B 16
2	Handwheel Nut	Ductile Iron
3	Identification Plate	Aluminum
4	Yoke Bushing	Cast Bronze ASTM B 62
5	Handwheel	Cast Iron ASTM A 126, Class B
6	Yoke Bushing Nut	Cast Iron ASTM A 126, Class B
7	Bonnet	Cast Iron ASTM A 126, Class B
8	Yoke	Cast Iron ASTM A 126, Class B
9	Gland Follower Nut	Steel ASTM A 307-B
10	Gland Follower	Ductile Iron ASTM A 536
11	Packing Gland	Cast Bronze ASTM B 62
12	Packing	Non-Asbestos
13	Gland Follower Bolt	Steel ASTM A 307-B
14	Backseat Bushing	Cast Bronze ASTM B 62
15	Nut	Steel ASTM A 307-B
16	Body Gasket	Non-Asbestos
17	Bolt	Steel ASTM A 307-B
18	Body	Cast Iron ASTM A 126, Class B
19	Wedge	Cast Iron ASTM A 126, Class B
20	Seat Ring	Cast Bronze ASTM B 62
21	Wedge Face Ring	Cast Bronze ASTM B 62



DIMENSIONS - INCHES / MILLIMETERS

UNITS	SIZE	A	B	C	D	E	C _v
Inches	2	7.00	15.00	7.00	6.00	0.63	215
mm	50.8	177.8	381.0	177.8	152.4	15.9	
Inches	2 1/2	1.50	16.88	8.00	7.00	0.69	335
mm	63.5	190.5	428.6	203.2	177.8	17.5	
Inches	3	8.00	18.75	8.00	7.50	0.75	510
mm	76.2	203.2	476.3	203.2	190.5	19.1	
Inches	4	9.00	22.75	10.00	9.00	0.94	945
mm	101.6	228.6	577.9	254.0	228.6	23.9	
Inches	5	10.00	27.13	10.00	10.00	0.94	1525
mm	127.0	254.0	689.0	254.0	254.0	23.9	
Inches	6	10.50	30.13	12.00	11.00	1.00	2250
mm	152.4	266.7	765.2	304.8	279.4	25.4	
Inches	8	11.50	40.13	14.00	13.50	1.13	4150
mm	203.2	292.1	1019.2	355.6	342.9	28.6	
Inches	10	13.00	48.25	16.00	16.00	1.81	6700
mm	254.0	330.2	1225.6	406.4	406.4	46.1	
Inches	12	14.00	56.88	18.00	19.00	1.25	9925
mm	304.8	355.6	1444.6	457.2	482.6	31.8	

† Non-Shock

Rev. 5

INNOVATION IN EVERY VALVE



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