



## Wafer & Lug Resilient Seated Butterfly Valve



### Bill of Materials

#	Description	Materials
1	Body	Ductile Iron ASTM A536
2	Stem Retainer	Carbon Steel, Plated
3	Seat*	EPDM, BUNA, VITON, PTFE/EPDM
4	Stem Retainer Screws	Carbon Steel, Plated
5	Upper Stem	Stainless Steel ASTM A582, Alloy 416, 316SS Option
6	Disc*	DI-NP, AL-BZ, CF8M, NY11, PTFE/CF8M
7	Lower Stem	Stainless Steel ASTM A582, Alloy 416, 316SS Option
8	Lower Stem Retainer	Carbon Steel, Plated
9	Bushing	PTFE/Graphite
10	O-Ring	EPDM, BUNA-N, Fluoroelastomer
11	Nameplate Tag	Aluminum

\* Note: Additional Seat/Disc Options Available



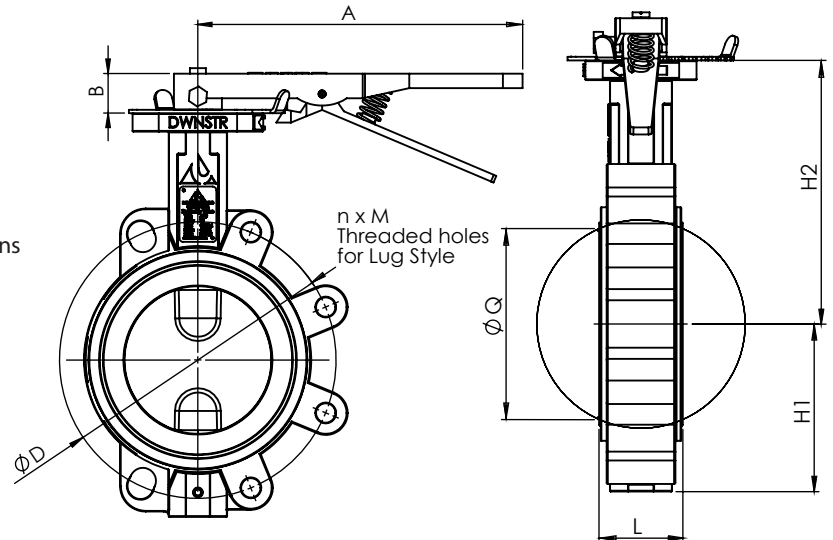
### Features

- 050 Wafer Ductile Iron Body sizes 1.5" - 48"
- 051 Lug Ductile Iron Body sizes 1.5" - 48"
- Max Pressure Rating 200 PSI for 1.5"-12"
- Max Pressure Rating 150 PSI for 14"-48"
- Dead End Pressure Rating 200 PSI Up to 12" Lug
- Double Dead End Service Available
- Install between Standard ANSI class 125/150 fanges
- 050 Wafer also compatible with PN10/PN16 fanges
- ISO 5211 square drive shaft for easy automation
- Conforms to MSS-SP-67, MSS-SP-25, API-609
- Designed for blowout-proof service
- High-Cv slim disc & 2-piece stem design 1.5"-12"
- Vacuum service capable 1.5"-12" to below 10 microns
- Field repairable

### Approvals

- API 609
- NSF/ANSI 372
- NSF/ANSI 61 (Commercial Hot)

### Valve w/ Handle

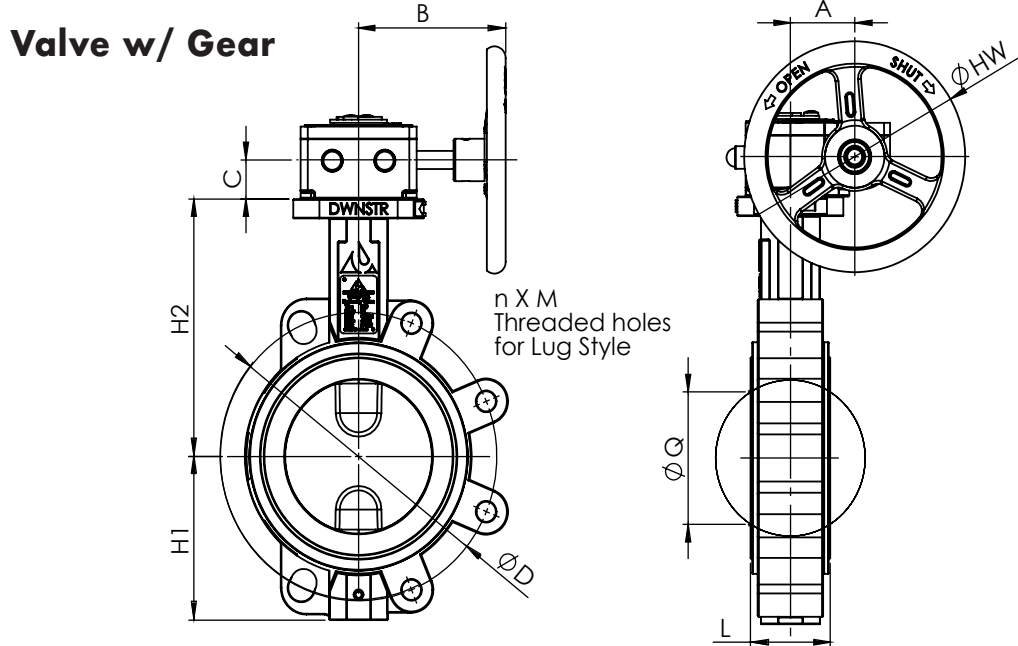


### Dimensions w/ Handle

Size	A	B	ØD	H1	H2	ØQ	Wafer Holes	Lug Taps	L	Wafer Weight	Lug Weight
in	in	in	in	in	in	in	n in	n SAE Thread	in	lb	lb
2"	8.9	1.3	4.74	2.60	5.12	1.14	4 0.75	4 5/8"-11 UNC	1.69	5.5	6.5
2.5"	8.9	1.3	5.50	3.23	5.55	1.77	4 0.75	4 5/8"-11 UNC	1.81	6.2	7.7
3"	8.9	1.3	6.00	3.54	5.83	2.44	4 0.75	4 5/8"-11 UNC	1.81	6.9	8.4
4"	10.2	1.42	7.50	4.25	6.69	3.50	4 0.75	8 5/8"-11 UNC	2.05	10.6	14.4
5"	10.2	1.42	8.50	4.84	7.36	4.57	4 0.87	8 3/4"-10 UNC	2.20	13.9	17.6
6"	10.2	1.42	9.51	5.43	7.95	5.71	4 0.87	8 3/4"-10 UNC	2.20	16.9	21.8
8"	14	1.69	11.75	6.69	9.37	7.76	4 0.87	8 3/4"-10 UNC	2.36	28.5	35.9
10"	14	1.69	14.25	7.87	10.71	9.76	4 0.98	12 7/8"-9 UNC	2.68	43.4	60.4
12"	14	1.69	17.01	9.29	12.01	11.73	4 0.98	12 7/8"-9 UNC	3.07	64.4	83.9

Dimensions w/ Gear Operator on Next Page →

# 050/051 Series Data Sheet



## Dimensions w/ Gear Operator

Size	A	B	C	ØD	HW	H1	H2	ØQ	Wafer Holes		Lug Taps		L	Wafer Weight	Lug Weight
in	in	in	in	in	in	in	in	in	n	in	n	SAE Thread	in	lb	lb
2"	1.69	3.9	1.02	4.74	6.00	2.60	5.12	1.14	4	0.75	4	5/8"-11 UNC	1.69	7.2	8.2
2.5"	1.69	3.9	1.02	5.50	6.00	3.23	5.55	1.77	4	0.75	4	5/8"-11 UNC	1.81	7.9	9.4
3"	1.69	3.9	1.02	6.00	6.00	3.54	5.83	2.44	4	0.75	4	5/8"-11 UNC	1.81	8.6	10.1
4"	1.69	3.9	1.02	7.50	6.00	4.25	6.69	3.50	4	0.75	8	5/8"-11 UNC	2.05	12.2	16.0
5"	2.49	5.8	1.16	8.50	6.00	4.84	7.36	4.57	4	0.87	8	3/4"-10 UNC	2.20	18.2	21.9
6"	2.49	5.8	1.16	9.51	6.00	5.43	7.95	5.71	4	0.87	8	3/4"-10 UNC	2.20	21.2	26.1
8"	2.38	8.4	1.44	11.75	10.00	6.69	9.37	7.76	4	0.87	8	3/4"-10 UNC	2.36	37.4	44.8
10"	2.38	8.4	1.44	14.25	10.00	7.87	10.71	9.76	4	0.98	12	7/8"-9 UNC	2.68	52.3	69.3
12"	2.63	8.3	1.73	17.01	12.00	9.29	12.01	11.73	4	0.98	12	7/8"-9 UNC	3.07	84.0	103.5
14"	2.63	8.3	1.73	18.74	12.00	10.31	12.99	12.44	4	1.14	12	1"-8 UNC	3.07	94.7	127.1
16"	3.49	11.1	1.96	21.24	16.00	11.81	14.17	14.76	4	1.14	16	1"-8 UNC	4.02	155.4	203.9
18"	3.49	11.1	1.96	22.76	16.00	12.80	15.55	16.81	4	1.26	16	1-1/8"-7 UNC	4.49	247.4	259.1
20"	4.98	13.5	2.00	25.00	16.00	14.17	17.32	18.62	4	1.26	20	1-1/8"-7 UNC	5.00	309.6	353.7
24"	6.05	14.4	2.00	29.51	16.00	16.54	19.69	22.52	4	1.38	20	1-1/4"-7 UNC	6.06	460.4	484.6