



Wt/Ft = 10.69 x (OD - Wall Thickness) x Wall Thickness

PO BOX 639
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STANDARD CHART

Steel Pipe Sizes, Weights, Dimensions

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General Dimensions 2 in. through 20 in. (50 mm through 500 mm)

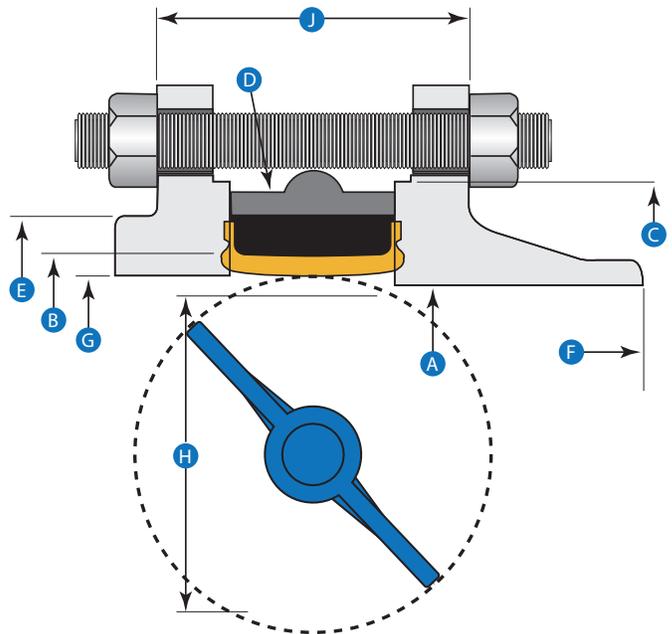
Dimensions	Valve Size in. (mm)	2 (50)	2 1/2 (65)	3 (80)	4 (100)	5 (125)	6 (150)	8 (200)	10 (250)	12 (300)	14 (350)	16 (400)	18 (450)	20 (500)
A-Schedule 40 Flange ID*	(Except Slip On)	2.07 (53)	2.47 (63)	3.07 (78)	4.03 (102)	5.05 (128)	6.07 (154)	7.98 (203)	10.02 (255)	12.00 (305)	13.25 (337)	15.25 (387)	17.25 (438)	19.25 (489)
	((Slip On))	2.44 (62)	2.94 (75)	3.57 (91)	4.57 (116)	5.66 (144)	6.72 (171)	8.72 (221)	10.88 (276)	12.88 (327)	14.14 (359)	16.16 (410)	18.18 (462)	20.20 (513)
B-Seal Diameter		2.65 (67)	3.15 (80)	3.78 (96)	4.78 (121)	5.84 (148)	7.03 (179)	8.96 (228)	11.09 (282)	13.09 (332)	14.14 (359)	16.16 (410)	18/18 (462)	20/20 (513)
C-Raised Face Diameter		3.62 (92)	4.12 (105)	5.00 (127)	6.18 (157)	7.31 (186)	8.50 (216)	10.62 (270)	12.75 (324)	15.00 (381)	16.25 (413)	18.50 (470)	21.00 (533)	23.00 (584)
D-Valve Body Diameter		4.12 (105)	4.87 (124)	5.37 (136)	6.87 (174)	7.75 (197)	8.75 (222)	11.00 (279)	13.37 (340)	16.12 (409)	17.20 (437)	19.27 (489)	21.43 (544)	23.60 (599)
E-Seat OD		3.12 (79)	3.62 (92)	4.25 (108)	5.25 (133)	6.31 (160)	7.46 (189)	9.43 (240)	11.56 (294)	13.56 (344)	15.14 (385)	17.04 (433)	19.06 (484)	21.08 (535)
F-End-to-End	Threaded ASME Socket & Slip On	3 3/4	4 1/8	4 1/4	4 3/4	5 1/8	5 3/8	6 1/16	6 5/8	7 5/8	7 1/2	9	9 13/16	10 11/16
	Weld End ASME	6 3/4	7 3/8	7 3/8	8 1/8	9 1/4	9 1/4	10 9/16	10 3/4	12 1/4	13	14	15 7/16	16 5/16
	Grooved	6 5/8	7 3/16	7 1/8	7 7/8	8 15/16	8 7/8	10 3/16	10 5/16	11 13/16	-	-	-	-
	G-Seat ID	2 1/4	2 13/16	3 5/16	4 3/16	5 1/16	6 1/16	7 15/16	10	11 15/16	13 5/32	15 7/32	17 5/32	19 5/32
H-Disc Chord**, Resilient Seated Valves		1.467 (37)	2.144 (54)	2.743 (70)	3.601 (91)	4.582 (116)	5.624 (142.8)	7.428 (189)	9.382 (238)	11.35 (288)	12.86 (327)	14.72 (374)	16.61 (422)	18.53 (471)
J-Outside-to-Outside ASME 150		3.25 (83)	3.62 (92)	3.75 (95)	4.00 (102)	4.12 (105)	4.25 (108)	4.81 (122)	5.12 (130)	5.75 (146)	5.75 (146)	6.87 (174)	7.56 (192)	8.31 (211)
Through-put Area % Sch. 40 pipe	Resilient Seated-Sq. in	2.33	3.92	5.93	10.01	14.98	22.09	39.43	61.52	89.54	111.2	150.5	186.1	238.1
		70%	82%	80%	79%	73%	76%	79%	78%	80%	82%	85%	83%	87%
Number of Studs		4	4	4	8	8	8	8	12	12	12	16	16	20
Number of Capscrews		8	8	8	16	16	16	16	24	24	24	32	32	40
Size of Studs or Capscrews-Threads per in.		5/8-11	5/8-11	5/8-11	5/8-11	3/4-10	3/4-10	3/4-10	7/8-9	7/8-9	1-8	108	1 1/8-7	1 1/8-7
Length of Studs		5	5 1/2	5 1/2	5 3/4	6 1/2	6 1/2	7	7 1/2	8 1/4	8 1/4	10	10 1/2	11 3/4
Length of Capscrews (in.)		1 1/2	1 1/2	1 3/4	1 3/4	2	2 1/4	2 1/4	2 1/2	2 1/2	3 1/4	3 1/2	4	-

* DEMCO Butterfly Valves are designed to seal without flange gaskets against flange faces with inside diameters between slip-on flange bore and Schedule 40 weld neck flange bore.

** 2 in. through 12 in. (50 mm through 300 mm) disc will open into Schedule 80 pipe ID.

General Dimensions 24 in. through 36 in. (600 mm through 900 mm)

Dimensions	Valve Size in. (mm)	24 (600)	30 (750)	36 (900)
A-Standard Flange ID (Except Slip On)		23.25 (591)	29.25 (743)	35.25 (895)
B-Seal Diameter		24.25 (616)	30.00 (762)	35.94 (913)
C-Raised Face Diameter		27.25 (692)	-	-
D-Valve Body Diameter		28.23 (717)	34.05 (865)	40.49 (1028)
E-Seat OD		25.49 (647)	31.47 (799)	37.63 (956)
F-End-to-End Weld End, ASME		18.00 (457)	16.75 (425)	18.63 (473)
G-Seat ID		23 1/4	29 5/16	35 5/16
H-Disc Chord		22.57 (573)	28.67 (728)	34.70 (881)
J-Outside-to-Outside, ASME		9.75 (248)	10.75 (273)	12.63 (321)
Number of Studs		20	*	**
Number of Capscrews		40	56	64
Size of Capscrews-Threads per in.		1 1/4-7	1 1/4-7	1 1/2-6
Length of Studs		12 1/2	*	**
Length of Capscrews		4	5	***
Through put Area	sq. in	352.4	546	800
	% std. pipe	88%	81%	82%



* 24 Studs 1 1/4-7 x 15 1/2; 8 capscrews 1 1/4-7 x 5

** 28 Studs 1 1/2-6 x 18 1/2; 8 capscrews 1 1/2-6 x 5 1/2

*** 56 Screws 1 1/2-6 x 6; 8 screws 1 1/2-6 x 5 1/2

● Dimensions are for ASME Class 150 Series A flanges or MSS SP-44 flanges

Consult factory for ASME Class 125 flanges