



Forged and Rolled Steel

ASTM A181

Nominal Pipe Size NPS	Outside Diameter O	Thickness C	Bore B	Length thru Hub Y	Diam. at Base of Hub X	Approx Weight Pounds	DRILLING TEMPLATE			
							Bolt Circle Diam.	Number of Holes	Diam. of Holes	Diam. of Bolts
6	11	.563	6.72	1.25	7.563	13	9.50	8	.875	.750
8	13.50	.563	8.72	1.25	9.688	18	11.75	8	.875	.750
10	16	.688	10.88	1.25	12	26	14.25	12	1	.875
12	19	.688	12.88	1.25	14.375	42	17	12	1	.875
14	21	.750	14.14	1.25	15.75	44	18.75	12	1.125	1
16	23.50	.750	16.16	1.25	18	58	21.25	16	1.125	1
18	25	.750	18.18	1.25	19.875	59	22.75	16	1.25	1.125
20	27.50	.750	20.20	1.250	22	69	25	20	1.25	1.125
22	29.25	1	22.22	1.750	24.25	76	27.25	20	1.375	1.25
24	32	1	24.25	1.750	26.125	115	29.50	20	1.375	1.25
26	34.25	1	26.25	1.750	28.50	125	31.75	24	1.375	1.25
28	36.50	1	28.25	1.750	30.50	140	34	28	1.375	1.25
30	38.75	1	30.25	1.750	32.50	150	36	28	1.375	1.25
32	41.75	1.125	32.25	1.750	34.75	205	38.50	28	1.625	1.25
34	43.75	1.125	34.25	1.750	36.75	215	40.50	32	1.625	1.50
36	46	1.125	36.25	1.750	38.75	235	42.75	32	1.625	1.50
38	48.75	1.125	38.25	1.750	40.75	265	45.25	32	1.625	1.50
40	50.75	1.125	40.25	1.750	43	280	47.25	36	1.625	1.50
42	53	1.250	42.25	1.750	45	330	49.50	36	1.625	1.50
44	55.25	1.250	44.25	2.250	47	350	51.75	40	1.625	1.50
46	57.25	1.25	46.25	2.250	49	365	53.75	40	1.625	1.50
48	59.50	1.375	48.25	2.500	51	425	56	44	1.625	1.50
50	61.75	1.375	50.25	2.500	53	450	58.25	44	1.875	1.75
52	64	1.375	52.25	2.500	55	475	60.50	44	1.875	1.750
54	66.25	1.375	54.25	2.500	57	500	62.75	44	1.875	1.75
60	73	1.50	60.25	2.750	63	640	69.25	52	1.875	1.375
66	80	1.50	66.25	2.750	69	750	76	52	1.875	1.75
72	86.50	1.50	72.25	2.750	75	850	82.50	60	1.875	1.75
84	99.75	1.75	84.25	3	87.50	1000	95.50	64	2.125	2
96	113.25	2	96.25	3.250	100	1650	108.50	68	2.375	2.25

- Class 125 LW was established in order to end the confusion that has resulted from the previous practice of applying several different names to these flanges, the most common being "American Standard Diameter and Drilling" and "Light Weight ASME."
- These flanges are commonly used with full face gasket, but ring gaskets extending to the inside edge of the bolt holes may also be used. Carbon steel bolts are intended.
- Water service rating at atmospheric temperatures: Sizes 6" to 12" inclusive 175 psi; Sizes larger than 12" 150 psi. Blind Flanges will be furnished to the thicknesses listed above, unless otherwise specified.
- These flanges have the same diameter and drilling as Class 125 cast iron flanges (ANSI B16.1). In sizes 24" and smaller they also match ANSI B16.5 150# Standard. Class 125LW Flanges are the same as AWWA Class D.
- All dimensions are in inches. Prices on application. Convert to [MILLIMETERS](#).