



# INDUSTRIAL PIPE & SUPPLY CO. INC.

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American National Standards Institute

Specifications for standard size Pipe & Flanges

## 150 LB. Flange

Nominal Pipe Size NPS (inches)	No. of Bolts	Diameter of Bolts (inches)	*Length of Bolts (inches)	Diameter of Flange (inches)	Bolt Circle (inches)
1/2	4	1/2	1 3/4	3 1/2	2 3/8
3/4	4	1/2	2	3 7/8	2 3/4
1	4	1/2	2	4 1/4	3 1/8
1 1/4	4	1/2	2 1/4	4 5/8	3 1/2
1 1/2	4	1/2	2 1/4	5	3 7/8
2	4	5/8	2 1/2	6	4 3/4
2 1/2	4	5/8	2 3/4	7	5 1/2
3	4	5/8	3	7 1/2	6
3 1/2	8	5/8	3	8 1/2	7
4	8	5/8	3	9	7 1/2
5	8	3/4	3	10	8 1/2
6	8	3/4	3 1/4	11	9 1/2
8	8	3/4	3 1/2	13 1/2	11 3/4
10	12	7/8	3 3/4	16	14 1/4
12	12	7/8	4	19	17

\*Length based on 1/16" raised faced flanges.

## 300 LB. Flange

Nominal Pipe Size NPS (inches)	No. of Bolts	Diameter of Bolts (inches)	*Length of Bolts (inches)	Diameter of Flange (inches)	Bolt Circle (inches)
1/2	4	1/2	2	3 3/4	2 5/8
3/4	4	5/8	2 1/4	4 5/8	3 1/4
1	4	5/8	2 1/2	4 7/8	3 1/2
1 1/4	4	5/8	2 1/2	5 1/4	3 7/8
1 1/2	4	3/4	2 3/4	6 1/8	4 1/2
2	8	5/8	2 3/4	6 1/2	5
2 1/2	8	3/4	3 1/4	7 1/2	5 7/8
3	8	3/4	3 1/2	8 1/4	6 5/8
3 1/2	8	3/4	3 1/2	9	7 1/4
4	8	3/4	3 3/4	10	7 7/8
5	8	3/4	4	11	9 1/4
6	12	3/4	4	12 1/2	10 5/8
8	12	7/8	4 1/2	15	13
10	16	1	5 1/4	17 1/2	15 1/4
12	16	1 1/8	5 3/4	20 1/2	17 3/4

\*Length based on 1/16" raised faced flanges.

## 600 LB. Flange

Nominal Pipe Size NPS (inches)	No. of Studs	Diameter of Studs (inches)	**Length of Studs (inches)	Diameter of Flange (inches)	Bolt Circle (inches)
1/2	4	1/2	3	3 3/4	2 5/8
3/4	4	5/8	3 1/2	4 5/8	3 1/4
1	4	5/8	3 1/2	4 7/8	3 1/2
1 1/4	4	5/8	3 3/4	5 1/4	3 7/8
1 1/2	4	3/4	4 1/4	6 1/8	4 1/2
2	8	5/8	4 1/4	6 1/2	5
2 1/2	8	3/4	4 3/4	7 1/2	5 7/8
3	8	3/4	5	8 1/4	6 5/8
3 1/2	8	7/8	5 1/2	9	7 1/4
4	8	7/8	5 3/4	10 3/4	8 1/2
5	8	1	6 1/2	13	10 1/2
6	12	1	6 3/4	14	11 1/2
8	12	1 1/8	7 3/4	16 1/2	13 3/4
10	16	1 1/4	8 1/2	20	17
12	20	1 1/4	8 3/4	22	19 1/4

\*\*Length based on 1/4" raised faced flanges.

Nominal Pipe Size	O.D. inches	Weight in Pounds	Piping Schedule			
			10	40	80	XXH
1/8"	.405"	•Wall Thick.	0.049	0.068	0.095	-
		• Lbs. per Foot	0.186	0.2447	0.3145	-
1/4"	.540"	•Wall Thick.	0.065	0.088	0.119	-
		• Lbs. per Foot	0.33	0.4248	0.5351	-
3/8"	.675"	•Wall Thick.	0.065	0.091	0.126	-
		• Lbs. per Foot	0.424	0.5676	0.7388	-
1/2"	.840"	•Wall Thick.	0.083	0.109	0.147	0.294
		• Lbs. per Foot	0.67	0.85	1.09	1.72
3/4"	1.050"	•Wall Thick.	0.083	0.113	0.154	0.308
		• Lbs. per Foot	0.86	1.13	1.48	2.44
1"	1.315"	•Wall Thick.	0.109	0.133	0.179	0.358
		• Lbs. per Foot	1.41	1.68	2.17	3.66
1 1/4"	1.660"	•Wall Thick.	0.109	0.14	0.191	0.382
		• Lbs. per Foot	1.81	2.27	3	5.22
1 1/2"	1.900"	•Wall Thick.	0.109	0.145	0.2	0.4
		• Lbs. per Foot	2.09	2.72	3.63	6.41
2"	2.375"	•Wall Thick.	0.109	0.154	0.218	0.436
		• Lbs. per Foot	2.64	3.66	5.03	9.04
2 1/2"	2.875"	•Wall Thick.	0.12	0.203	0.276	0.552
		• Lbs. per Foot	3.53	5.8	7.67	13.71
3"	3.5"	•Wall Thick.	0.12	0.216	0.3	0.6
		• Lbs. per Foot	4.34	7.58	10.26	18.6
3 1/2"	4.0"	•Wall Thick.	0.12	0.226	0.318	0.636
		• Lbs. per Foot	4.98	9.12	12.52	22.87
4"	4.50"	•Wall Thick.	0.12	0.237	0.337	0.674
		• Lbs. per Foot	5.62	10.8	15	27.57
5"	5.563"	•Wall Thick.	0.134	0.258	0.375	0.75
		• Lbs. per Foot	7.78	14.63	20.8	38.59
6"	6.625"	•Wall Thick.	0.134	0.28	0.432	0.864
		• Lbs. per Foot	9.3	18.99	28.6	53.21
8"	8.625"	•Wall Thick.	0.148	0.322	0.5	0.875
		• Lbs. per Foot	13.41	28.58	43.43	72.49
10"	10.75"	•Wall Thick.	0.165	0.365	0.594	1
		• Lbs. per Foot	18.70	40.52	64.49	104.23
12"	12.75"	•Wall Thick.	0.18	0.406	0.688	1
		• Lbs. per Foot	24.19	53.57	88.71	125.61

Industrial Pipe & Supply stocks pipe through 24" in their yard. For full pipe sizing chart please visit our web site at [www.indpipeco.com/sizing.htm](http://www.indpipeco.com/sizing.htm)

We believe that the information supplied here is correct, we do not assume any responsibility whatsoever for its accuracy.