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STAINLESS STEEL PIPE WEIGHT CHART AND DIMENSIONS

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SS Pipe Dimensions

SS pipe weight chart is used to calculate the weight of different graded stainless steel pipe weights. The weight is calculated by the



multiplication of the volume of the stainless steel material by the density of the particular material. The chart is useful in calculating the weight of an application system before building up the system.

These dimensions are applicable for all SS Pipe grades including ASTM A312 TP304L, TP316, TP316L, TP321, TP321H, TP347H, TP347, TP310S, TP304H, SS 202, SS 410, SS 317L, SS 310, SS 316H and other 200, 300 & 400 series seamless pipes & tubes.

The **ss pipe size chart** shows the different sizes of different pipe materials and standards. There are lengths, outer diameters and wall thicknesses of various specifications, standards and grades of stainless steel pipes. The **ss pipe sizes**

range from standard to standard. For example, the ASME B16.5 standard covers the pipes from ½ inches to 24 inches in outer diameter. The ASME B16.9 covers the outer diameters ranging from 26 inches to 60 inches, but these are for flanges. The **ss pipe sizes in mm** can be converted to inches by dividing the length value by 25.4 and it could be converted from inches to mm vice versa.

ASA/ ASME/ ANSI B36.19 Stainless Steel Pipe Dimensions and Weight Chart

Nominal Bore Chart		Outside Diameter (O.D) mm	Schedule 5S		Schedule 10S		Schedule 40S		Schedule 80S		Schedule 160S		Schedule XXS	
mm	inches		Wt mm	Weight (Kg./mt)	Wt mm	Weight (Kg./mt)	Wt mm	Weight (Kg./mt)	Wt mm	Weight (Kg./mt)	Wt mm	Weight (Kg./mt)	Wt mm	Weight (Kg./mt)
3	1/8	10.3	1.24	00.276	1.24	00.28	1.73	00.37	2.41	00.47	-	-	-	-
6	1/4	13.7	1.24	00.390	1.65	00.49	2.24	00.631	3.02	00.80	-	-	-	-
10	3/8	17.1	1.24	00.490	1.65	00.63	2.31	00.845	3.20	1.10	-	-	-	-
15	1/2	21.3	1.65	00.800	2.11	1.00	2.77	1.27	3.75	1.62	4.75	1.94	7.47	2.55
20	3/4	26.7	1.65	1.03	2.11	1.28	2.87	1.68	3.91	2.20	5.54	2.89	7.82	3.63
25	1	33.4	1.65	1.30	2.77	2.09	3.38	2.50	4.55	3.24	6.35	4.24	9.09	5.45
32	1 1/4	42.2	1.65	1.65	2.77	2.70	3.56	3.38	4.85	4.47	6.35	5.61	9.70	7.77
40	1 1/2	48.3	1.65	1.91	2.77	3.11	3.68	4.05	5.08	5.41	7.14	7.25	10.16	9.54
50	2	60.3	1.65	2.40	2.77	3.93	3.91	5.44	5.54	7.48	8.74	11.1	11.07	13.44
65	2 1/2	73.00	2.11	3.69	3.05	5.26	5.16	8.63	7.01	11.4	9.53	14.9	14.2	20.39
80	3	88.9	2.11	4.51	3.05	6.45	5.49	11.30	7.62	15.2	11.1	21.3	15.24	27.65
100	4	114.3	2.11	5.84	3.05	8.36	6.02	16.07	8.56	22.3	13.49	33.54	17.12	41.03
125	5	141.3	2.77	9.47	3.40	11.57	6.55	21.8	9.53	31.97	15.88	49.11	19.05	57.43
150	6	168.3	2.77	11.32	3.40	13.84	7.11	28.3	10.97	42.7	18.2	67.56	21.95	79.22
200	8	219.1	2.77	14.79	3.76	19.96	8.18	42.6	12.7	64.6	23.0	111.2	22.23	107.8
250	10	273.1	3.40	22.63	4.19	27.78	9.27	60.5	12.7	96.0	28.6	172.4	25.40	155.15
300	12	323.9	3.96	31.25	4.57	36.00	9.52	73.88	12.7	132.0	33.32	238.76	25.40	186.97
350	14	355.6	3.96	34.36	4.78	41.3	11.13	94.59	19.05	158.08	35.71	281.70	-	-
400	16	406.4	4.19	41.56	4.78	47.29	12.7	123.30	21.41	203.33	40.46	365.11	-	-
450	18	457.2	4.19	46.80	4.78	53.42	14.27	155.80	23.8	254.36	45.71	466.40	-	-
500	20	508.0	4.78	59.25	5.54	68.71	15.09	183.42	26.19	311.2	49.99	564.68	-	-
600	24	609.6	5.54	82.47	6.35	94.45	17.48	255.41	30.96	442.08	59.54	808.22	-	-

What is so essential regarding stainless-steel pipe weight chart?

The **stainless pipe sizes schedules** are there to give a combination of wall thicknesses and pipe outer diameters so that the coordination provides a degree of pressure capacity. The **stainless steel pipe dimensions** correspond to the pressure capacities. The pressure capacities are governed by the pressure classes such as 150, 300, 600, 2500 and by the PN6, up to PN64 pressure classes etc. The pressure classes help to determine which grade and dimensions of pipes are to be applied in specific applications. You can check our **stainless steel pipe weight chart** to know how heavy your applications would be or how heavy the pipes would weigh.

The calculation involves calculating the volume of stainless steel in a pipe. This can be done manually by taking the thickness of the pipe, the perimeter of the pipe diameter and then the length of the pipe and multiplying all these values by the density of the stainless steel material. Each grade of stainless steel has a different density. The weight chart makes it easy and provides you with accurate calculations. The **ss erw pipe pressure rating** depends on the wall thickness, diameter and the grade of stainless steel as well. Our **ss seamless pipe weight chart** will help you to understand the different weights caused by the different material and dimensions of pipes. This information is much useful for transportation of the stainless steel pipes. Please check the tables below for the charts.