Steel Pipe Weight Chart (kg per metre)

Basis: ASME B36.10M plain end mass formula: W = 0.0246615 × (D − t) × t kg/m, with D and t in mm (steel density 7850 kg/m³).

instrumentationblog.in/downloads/engineering-reference-tables/steel-pipe-weight-chart/

Plain end weight in kg/m

NPS	DN	OD mm	Sch 10	Sch 40	STD	Sch 80	XS	Sch 160	XXS
1/8	6	10.3	0.28	0.37	0.37	0.47	0.47		
1/4	8	13.7	0.49	0.63	0.63	0.80	0.80		
3/8	10	17.1	0.63	0.84	0.84	1.10	1.10		
1/2	15	21.3	1.00	1.27	1.27	1.62	1.62	1.95	2.55
3/4	20	26.7	1.28	1.69	1.69	2.20	2.20	2.90	3.64
1	25	33.4	2.09	2.50	2.50	3.24	3.24	4.24	5.45
1 1/4	32	42.2	2.69	3.39	3.39	4.47	4.47	5.61	7.77
1 1/2	40	48.3	3.11	4.05	4.05	5.41	5.41	7.25	9.55
2	50	60.3	3.93	5.44	5.44	7.48	7.48	11.11	13.44
2 1/2	65	73.0	5.26	8.63	8.63	11.41	11.41	14.92	20.39
3	80	88.9	6.46	11.29	11.29	15.27	15.27	21.35	27.68
3 1/2	90	101.6	7.41	13.57	13.57	18.64	18.64		
4	100	114.3	8.37	16.08	16.08	22.32	22.32	33.54	41.03
5	125	141.3	11.56	21.77	21.77	30.97	30.97	49.12	57.43
6	150	168.3	13.83	28.26	28.26	42.56	42.56	67.57	79.22
8	200	219.1	19.97	42.55	42.55	64.64	64.64	111.27	107.93
10	250	273.0	27.78	60.29	60.29	95.98	81.53	172.27	155.10
12	300	323.8	35.98	79.71	73.86	132.05	97.44	238.69	186.92
14	350	355.6	54.69	94.55	81.33	158.11	107.40	281.72	
16	400	406.4	62.65	123.31	93.27	203.54	123.31	365.38	
18	450	457.0	70.57	155.81	105.17	254.57	139.16	459.39	
20	500	508.0	78.56	183.43	117.15	311.19	155.13	564.85	
22	550	559.0	86.55		129.14	373.85	171.10	672.30	
24	600	610.0	94.53	255.43	141.12	442.11	187.07	808.27	

Notes

- Stainless steel is about 2 % heavier for the same dimensions.
- Values are nominal; mill tolerance changes real mass slightly.

Free download from instrumentationblog.in. Check values against the current edition of the standard for design work.