

MS Pipe Weight Chart in KG 2026

Updated Reference for MS Pipe Sizes, Wall Thickness & Weight per Metre
Last Updated: September 2026

This chart provides commonly referenced MS pipe dimensions and approximate theoretical/nominal weights for quick estimation. Actual supplied weight should be verified against the applicable standard, dimensional tolerances and manufacturer data.

Nominal Bore	OD (mm)	A-Class Thk. (mm)	A Weight (kg/m)	B-Class Thk. (mm)	B Weight (kg/m)	C-Class Thk. (mm)	C Weight (kg/m)
1/8" (3 NB)	10.32	1.80	0.361	2.00	0.493	2.65	0.593
1/4" (6 NB)	13.49	1.80	0.517	2.35	0.769	2.90	0.859
3/8" (10 NB)	17.10	1.80	0.674	2.35	0.908	2.90	1.061
1/2" (15 NB)	21.43	2.00	0.952	2.65	1.270	3.25	1.450
3/4" (20 NB)	27.20	2.35	1.410	2.65	1.440	3.25	1.900
1" (25 NB)	33.80	2.65	2.010	3.25	2.580	4.05	2.970
1 1/4" (32 NB)	42.90	2.65	2.580	3.25	3.140	4.05	3.840
1 1/2" (40 NB)	48.40	2.90	3.250	3.25	3.630	4.05	4.430
2" (50 NB)	60.30	2.90	4.110	3.65	5.030	4.47	6.170
2 1/2" (65 NB)	76.20	3.25	5.840	3.65	6.710	4.47	8.120
3" (80 NB)	88.90	3.25	6.810	4.05	8.640	4.85	10.100
4" (100 NB)	114.30	3.65	9.890	4.50	12.110	5.40	14.400
5" (125 NB)	139.70	—	—	4.85	16.200	5.40	17.980
6" (150 NB)	165.10	—	—	4.85	19.200	5.40	21.310

MS Pipe Weight Formula

Weight (kg/m) = 0.02466 × (OD – t) × t

OD = outside diameter in mm; t = wall thickness in mm. Use the formula for theoretical estimation and verify final procurement weights against the applicable product standard.

Large Diameter MS Pipe Reference

Nominal Size	Approx. OD	Wall Thickness	Approx. Weight (kg/m)
7"	193.7 mm	4.85 mm	22.59
8"	219.1 mm	5.20 mm	27.45
10"	273.0 mm	5.60 mm	36.85
12"	323.9 mm	6.00 mm	47.06
14"	355.6 mm	6.35 mm	54.65
16"	406.4 mm	7.01 mm	68.99

Quick Calculation Example

For a pipe weighing 14.40 kg/m and a required length of 120 m: Total weight = $14.40 \times 120 = 1,728$ kg (1.728 tonnes).

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