SS Pipe Weight Chart

Updated 8 November 2026 · Checked against ASME B36.19M

SS 304 Pipe Weight Chart (Schedule 5S, 10S, 40S)

Wall thickness (mm) / weight (kg per meter) for SS 304, sizes as per ASME B36.19.

Size	OD (mm)	Sch 5S	Sch 10S	Sch 40S
½"	21.34	1.65 / 0.809	2.11 / 1.011	2.77 / 1.281
¾"	26.67	1.65 / 1.028	2.11 / 1.291	2.87 / 1.702
1"	33.4	1.65 / 1.305	2.77 / 2.114	3.38 / 2.528
1¼"	42.16	1.65 / 1.665	2.77 / 2.718	3.56 / 3.423
1½"	48.26	1.65 / 1.916	2.77 / 3.139	3.68 / 4.087
2"	60.33	1.65 / 2.412	2.77 / 3.972	3.91 / 5.496
2½"	73.03	2.11 / 3.728	3.05 / 5.317	5.16 / 8.725
3"	88.9	2.11 / 4.562	3.05 / 6.523	5.49 / 11.408
4"	114.3	2.11 / 5.897	3.05 / 8.453	6.02 / 16.239

Calculated with density 7.93 g/cm³ for SS 304. For SS 316 (7.98) the weights are about 0.6% higher. Mill weights can vary slightly with tolerances.

SS Pipe Weight Formula

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Weight (kg/m) = (OD − t) × t × 0.0249
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This is π × 7.93 ÷ 1000 = 0.0249 for SS 304. For SS 316 use 0.02507. OD and t are in mm.

Example: 1 inch Sch 10S SS 304 pipe (OD 33.4 mm, 2.77 mm wall): (33.4 − 2.77) × 2.77 × 0.0249 = **2.11 kg/m**.

Sources & Standards

- ASME B36.19M – Stainless steel pipe dimensions and schedules
- Density of mild steel: 7,850 kg/m³ (7.85 g/cm³); SS 304: 7,930 kg/m³

Weights are theoretical. Found an error? Tell us and we will fix it.