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Carbon steel pipe weight by outside diameter and wall

Selected carbon steel products with an independently calculated weight per metre.

Carbon / mild steel pipe product sizes and estimated weights

NPS (in)	Schedule	OD (mm)	Wall (mm)	Estimated kg/m	Manufacturer
1	10	33.40	2.77	2.092	Wheatland Tube
1	30	32.893	2.6924	2.005	Youngstown Tube
1	40	33.40	3.38	2.502	Wheatland Tube
2	10	60.30	2.77	3.930	Wheatland Tube
2	30	60.1472	3.2258	4.528	Youngstown Tube
2	40	60.30	3.91	5.437	Wheatland Tube
40	STD	1016	9.53	236.530	Yuantai Hexin
40	XS	1016	12.70	314.216	Yuantai Hexin

Formula: W (kg/m) = (OD - t) x t x 0.02466 x (7.85 / 7.85)
Density: Mild / carbon steel 7.85 g/cm3 (typical value)
Unit: kg per metre (kg/m)
Last verified: 23 November 2026
Source: EN 10220:2002, clause 5, footnote 1 (plain-end steel tube mass at 7.85 g/cm3)
Source: Wheatland Tube | steel fire sprinkler pipe, WFS-080823, page 2
Source: Youngstown Tube | EZ-Thread steel sprinkler pipe, Schedule 30
Source: Yuantai Hexin | LSAW carbon steel line pipe
Dimensions apply to the named products. Confirm schedule, applicable standard edition and actual mass with your supplier.