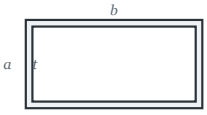
Stainless Rectangular Tube

OMEGA STEEL CO.
Istanbul · Dilovası plant

Stainless rectangular tube is the flat-sided hollow section for frames, rails, door and window sections, furniture and architectural work where one face must be wider than the other — a rail top, a glazing bar, a table frame. We stock 304 satin and 2B from 20 × 10 to 150 × 50 mm in 1–3 mm walls, 316 in the common sizes, all 6 m, film-protected, cut and fabricated at Dilovası.

20×10 to 150×50 mm | 1–3 mm wall | 304 · 316 | Satin 320 / 2B | 6 m, film



40 × 20 × 1.5 mm

A square tube makes a post; a rectangular tube makes a rail, a frame member, a glazing bar. The rectangular range is where architectural and furniture fabricators find the 40 × 20, 50 × 25 and 80 × 40 they draw most, in the same satin as our round and square.

WEIGHT TABLE — SQUARE AND RECTANGULAR STAINLESS TUBE (KG/M AND PER 6 M)

Size (mm)	Wall (mm)	kg/m	kg per 6 m
12 × 12	1	0.358	2.15
15 × 10	1	0.37	2.22
15 × 10	1.2	0.44	2.64
15 × 10	1.5	0.54	3.24
15 × 15	1	0.453	2.72
15 × 15	1.2	0.538	3.23
15 × 15	1.5	0.661	3.97
16 × 16	1	0.485	2.91
16 × 16	1.2	0.576	3.46
16 × 16	1.5	0.709	4.25
19 × 19	1	0.567	3.4
19 × 19	1.2	0.675	4.05
19 × 19	1.5	0.832	4.99
19 × 19	2	1.09	6.54

First 14 of 357 rows — the full table is on the product page.

EN 10219 / ASTM A554; mill, 180/240 grit satin or mirror finish.

GRADES, STANDARDS AND TOLERANCES

Grade / standard	Yield (MPa)	Note
1.4301 / 304 (EN 10296-2, A554)	≥ 210	indoor, inland — the stock grade
1.4401 / 316	≥ 220	coastal, pool, marine
1.4307 / 304L	≥ 200	heavy welded frames
1.4016 / 430	≥ 260	decorative indoor, to order

Mechanical use only unless ordered to a structural spec; for load-bearing design use EN 1993-1-4 with effective properties.

COMMON SIZES AND WHAT THEY ARE USED FOR

Size (mm)	Walls (mm)	kg/m (1.5 mm)	Typical use
20 × 10	1.0 / 1.2	0.65	trims, light frames
30 × 15	1.0–1.5	1.0	display frames, furniture
40 × 20	1.0–2.0	1.35	handrail top rails, screens, furniture
50 × 25	1.2–2.0	1.7	balustrade frames, glazing bars, tables
60 × 30	1.5–2.0	2.1	door and window sections, guards
80 × 40	1.5–3.0	2.8	gate frames, canopy rafters, structures
100 × 50	2.0–3.0	3.5 (2 mm: 4.6)	pergola beams, machine frames
120 × 60 / 150 × 50	2.0–3.0	—	cladding sub-frames, heavy frames

kg/m for 1.5 mm wall; see the full table for other walls.

STANDARDS

EN 10296-2 — welded stainless tubes for mechanical use · ASTM A554 — welded ornamental tubing · EN 10219 (structural, S355-equivalent design by EN 1993-1-4) · EN 10204 3.1