

Rectangular Hollow Section (RHS)

OMEGA STEEL CO.
Istanbul · Dilovası plant

Rectangular hollow sections — rectangular tube, RHS, box section — are cold-formed and HF-welded in our Dilovası mill to EN 10219 in more than a hundred size/wall combinations from 10×20×1.2 to 200×300×10 mm, S235JRH standard and S355J2H for structural sizes, 6 and 12 m. The complete production list with kg/m is below; the popular 30×50 to 100×200 range is in stock.

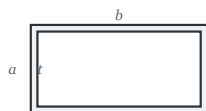
10×20 – 200×300 mm

Wall 1.2–10 mm

S235JRH · S355J2H

6 and 12 m

Own tube mill



40 × 80 × 3 mm

Where a beam needs depth and a column needs width, the rectangle wins: an 80×40×3 rail, a 100×200×5 purlin-free rafter, a 60×120 trailer chassis member. We roll the widest rectangular range in the Marmara region and keep the sizes that builders and body-makers order weekly on the ground.

RECTANGULAR HOLLOW SECTION SIZES AND WEIGHT PER METRE

Size (mm)	Wall (mm)	kg/m	kg per 6 m bar	Bars per ton
10 × 20	1.5	0.64	3.84	260
10 × 20	2	0.82	4.92	203
10 × 30	1.5	0.85	5.1	196
10 × 30	1.9	1.08	6.48	154
10 × 30	2	1.09	6.54	153
10 × 30	2.5	1.37	8.24	121
10 × 40	1.5	1.11	6.64	151
10 × 40	2	1.44	8.66	115
10 × 40	2.5	1.77	10.6	94
10 × 50	1.5	1.34	8.05	124
10 × 50	2	1.76	10.55	95
15 × 25	1.5	0.85	5.1	196
15 × 25	1.9	1.08	6.48	154
15 × 25	2	1.09	6.54	153

First 14 of 306 rows — the full table is on the product page.

Nominal mass per EN 10219-2; 6 m standard length, 12 m on request.

GRADES, STANDARDS AND TOLERANCES

Grade / standard	Yield (MPa)	Note
S235JRH — EN 10219-1	≥ 235	the standard grade for all black sections from stock
S275J0H	≥ 275	to order
S355J2H	≥ 355	thick-wall and structural sections, stock in common sizes
ST37 / ST52	235 / 355	DIN names still used in tenders
ASTM A500 Gr. B / C	290 / 345	ASTM projects, to order

Cold-formed to EN 10219-1/2 (tolerances: outside dimension ±1 %, wall ±10 %, straightness 0.2 %, corner radius 1.6–2.4 t). CE-marked under EN 10219-1; strip certificates EN 10204 3.1.

STANDARDS

EN 10219-1/2 — cold-formed welded structural hollow sections · Grades S235JRH, S275J0H, S355J2H · ASTM A500 on request · EN 10204 3.1; CE marking