

Hollow Sections (SHS, RHS)

Cold-formed square and rectangular hollow sections to EN 10219 (S235JRH, S275J0H, S355J2H) manufactured in our Dilovası tube mill from 15×15 to 400×400 mm, wall 1.2–12 mm, in black, pre-galvanized (Z275), hot-dip galvanized and pre-painted finishes; 6 and 12 m lengths, bundled for container or truck.

EN 10219 · ASTM A500	15×15 – 400×400 mm	Wall 1.2 – 12 mm	Black · Z275 · HDG · painted	Own tube mill
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Box section, MS square tube, SHS/RHS — whatever the market calls it, it is a cold-formed hollow section to EN 10219, and we roll it ourselves in Dilovası from hot-rolled or galvanized strip: 15×15 to 400×400 mm, wall 1.2–12 mm, S235JRH to S355J2H, in 6 m and 12 m bars. Black, pre-galvanized Z275, hot-dip galvanized or powder-painted; punched, mitred or cut to length on request.

SIZE RANGE AND WHAT WE ROLL

Shape	Sizes	Wall	Lengths	Finish
SHS square	15×15 – 400×400 mm	1.2 – 12 mm	6 m std; 5–14 m on request	Black, Z275 pre-galv, HDG, painted
RHS rectangular	20×10 – 400×200 mm	1.2 – 12 mm	6 m std; 5–14 m on request	Black, Z275 pre-galv, HDG, painted
CHS round	Ø 13 – 323.9 mm	1.2 – 8 mm	6 m std; 12 m	See ERW pipe page
Oval / special	To drawing	1.0 – 3 mm	To order	See custom profiles page

GRADES AND EQUIVALENTS

EN 10219	Yield min (MPa)	Tensile (MPa)	Impact	ASTM A500	Use
S235JRH	235	360–510	27 J at +20 °C	Grade B (46 ksi)	General fabrication, fences, furniture, light frames
S275J0H	275	410–560	27 J at 0 °C	Grade B/C	Building frames, canopies
S355J2H	355	470–630	27 J at –20 °C	Grade C (50 ksi)	Trusses, columns, cranes, EN 1090 EXC2/3

SQUARE HOLLOW SECTIONS — WEIGHT TABLE (KG/M)

Size (mm)	Wall (mm)	kg/m	kg per 6 m bar	Bars per ton
15 × 15	1.5	0.64	3.84	260
15 × 15	2	0.82	4.92	203
16 × 16	1.5	0.68	4.1	244
20 × 20	1.5	0.85	5.1	196
20 × 20	1.9	1.04	6.24	160
20 × 20	2	1.09	6.54	153
20 × 20	2.5	1.37	8.22	122
25 × 25	1.5	1.07	6.42	156
25 × 25	1.9	1.32	7.92	126
25 × 25	2	1.38	8.28	121
25 × 25	2.5	1.73	10.38	96
25 × 25	3	2.05	12.3	81
30 × 30	1.5	1.26	7.56	132
30 × 30	1.9	1.56	9.36	107

First 14 of 130 rows — the full table is on the product page.
Nominal mass per EN 10219-2 with corner radii; 6 m standard length, 12 m on request.

RECTANGULAR HOLLOW SECTIONS — WEIGHT TABLE (KG/M)

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

Size (mm)	Wall (mm)	kg/m	kg per 6 m bar	Bars per ton
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.

STANDARDS

EN 10219-1/-2 (cold-formed welded structural hollow sections) · EN 10210 (hot-finished, on request) · ASTM A500 Grade B/C · EN 10305-5 (precision, on request) · EN 1090 (CE marking of components)