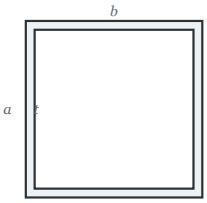
Cold Rolled Box Section (DKP Tube)

OMEGA STEEL CO.
Istanbul · Dilovası plant

Cold-rolled box sections — DKP tube, DKP profil — are thin-wall square and rectangular tubes rolled from DC01 cold-rolled strip instead of hot-rolled: smooth, scale-free, oiled surface, tight wall tolerance and walls from 0.7 mm. They are the tube of furniture, shop fittings, display stands, lighting, bicycle and exercise equipment, and anything chrome-plated or powder-coated to a fine finish. Our Dilovası mill rolls 10×10 to 90×90 mm; the full list is below.

10×10 – 90×90 mm | Wall 0.7–2 mm | DC01 cold-rolled strip | Smooth, oiled, scale-free | Plating / powder-coat ready



40 × 40 × 2 mm

A chair leg, a shelf upright, a shop-fitting rail: parts you see and touch, painted or plated to a finish that black tube cannot give. Cold-rolled box section is that tube — 0.7 to 2 mm thin, smooth as the strip it came from — and we roll 190 sizes of it for the furniture and fittings industry from Istanbul to the Gulf.

COLD-ROLLED BOX SECTION SIZES AND WEIGHT PER METRE

Size (mm)	Wall (mm)	kg/m	kg per 6 m bar
10 × 10	0.7	0.2	1.22
10 × 10	0.8	0.23	1.39
10 × 10	0.9	0.26	1.54
10 × 10	1	0.28	1.7
10 × 10	1.2	0.33	1.99
10 × 20	0.7	0.31	1.88
10 × 20	0.8	0.36	2.14
10 × 20	0.9	0.4	2.39
10 × 20	1	0.44	2.64
10 × 20	1.2	0.52	3.12
10 × 20	1.5	0.64	3.82
10 × 20	2	0.82	4.9
10 × 30	0.7	0.42	2.54
10 × 30	0.8	0.48	2.89

First 14 of 192 rows — the full table is on the product page.

Roll-formed from DC01 cold-rolled strip; smooth oiled surface; 6 m lengths.

GRADES, STANDARDS AND TOLERANCES

Grade / standard	Yield (MPa)	Note
DC01 (EN 10130)	≤ 280 (typ. 200–240)	the standard — smooth, formable, weldable
DC03 / DC04	≤ 240 / 210	for tube that is bent or swaged after welding
S235JRH (hot-rolled black)	≥ 235	the structural alternative — see square hollow section

Dimensions follow EN 10219 for size and squareness; wall tolerance ±0.08–0.12 mm (tighter than hot-rolled tube); surface smooth, lightly oiled; weld seam scarfed on request.

SURFACE AND FINISHING

Finish	Preparation	Result
Powder coating	degrease (alkaline), optional phosphate	smooth, uniform — no scale texture
Chrome / nickel plating	degrease, polish (bright strip on request)	mirror finish on 0.7–1.2 mm tube
Wet paint	degrease, primer	furniture-grade finish
Bare, oiled	—	indoor use within 3–6 months

Cold-rolled tube is uncoated: it rusts outdoors within weeks if left bare. For outdoor frames use pre-galvanized tube.

STANDARDS

EN 10305-5 — welded cold-sized square/rectangular precision tubes (reference) · EN 10130 — DC01 strip · EN 10219 — dimensions where applicable · EN 10204 3.1