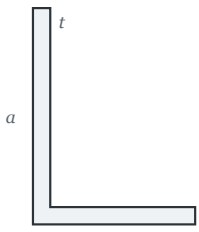
Unequal Angle Bar

OMEGA STEEL CO.
Istanbul · Dilovası plant

Unequal angles are hot-rolled L-sections with one leg longer than the other (EN 10056-1), from 40×20×4 to 200×150×12 mm. The long leg carries bending, the short leg makes the connection — the section for lintels, purlin cleats, stair stringers, tank curb angles and framing where stiffness is needed in one direction. We stock 40×20 to 100×50 in S235JR (larger sizes and S355J2 to order), 6 and 12 m, cut, drilled and galvanized in Dilovası.

40×20 – 200×150 | S235JR stock | 6 and 12 m | Cut, drilled, galvanized | EN 10056



100 × 75 × 8 mm

An unequal angle is an equal angle that has been to engineering school: the same kilogram of steel, put where the moment is. Lintel over a door, cleat under a purlin, edge of a platform, curb of a tank — the long leg stands up and works, the short leg bolts on. Turkish mills roll the useful range and we keep the small ones in stock.

UNEQUAL ANGLE SIZES AND WEIGHT PER METRE

Size (mm)	Leg a (mm)	Leg b (mm)	Thickness t (mm)	kg/m	kg per 12 m	Bars per ton (12 m)
40 × 20 × 4	40	20	4	1.77	21	47
45 × 30 × 4	45	30	4	2.25	27	37
50 × 30 × 5	50	30	5	2.96	36	28
60 × 30 × 5	60	30	5	3.37	40	25
60 × 40 × 5	60	40	5	3.76	45	22
60 × 40 × 6	60	40	6	4.46	54	19
65 × 50 × 5	65	50	5	4.35	52	19
70 × 50 × 6	70	50	6	5.41	65	15
75 × 50 × 6	75	50	6	5.65	68	15
75 × 50 × 8	75	50	8	7.39	89	11
80 × 40 × 6	80	40	6	5.41	65	15
80 × 60 × 7	80	60	7	7.36	88	11
90 × 60 × 8	90	60	8	8.96	108	9
100 × 50 × 6	100	50	6	6.84	82	12

First 14 of 27 rows — the full table is on the product page.

Tolerances EN 10056-2: legs ±1–3 mm, thickness ±0.5–1.5 mm, mass ±6 %.

GRADES AND STANDARDS

Grade	Yield (MPa)	Impact	Use
S235JR	235	27 J at +20 °C	the stock grade for channels, angles and flats
S275JR	275	27 J at +20 °C	to order
S355J2	355	27 J at −20 °C	heavy or cold-climate structures, to order
A36 / A572 Gr. 50	250 / 345	on order	ASTM projects

Certified to EN 10025-2, CE-marked under EN 10025-1; S235JR is the stocked grade — sections are mostly governed by stiffness and connection geometry, so the higher grades are ordered only where the design demands them.

STANDARDS

EN 10056-1 — dimensions · EN 10056-2 — tolerances · EN 10025-2 — S235JR, S275JR, S355J2 · EN 10025-1 — CE marking