Slotted Angle

OMEGA STEEL CO.
Istanbul · Dilovası plant

Cold-roll-formed slotted angle (punched angle) from 2.0 mm pre-galvanized DX51D+Z or painted cold-rolled steel: 36 × 36, 40 × 40 and 50 × 50 mm profiles, 2 000 / 2 400 / 3 000 mm lengths, with the standard alternating slot and hole pattern, supplied as bars, with M8 nuts and bolts, or as complete shelving and rack kits with steel or MDF shelf panels; for warehouses, stores, workshops, archives and site camps in the Gulf, Africa and CIS.

36×36 · 40×40 · 50×50 × 2.0 mm | Galvanized · powder-coated | 2 000 – 3 000 mm | Bars · bolts · rack kits | Own roll-forming line

Slotted angle is the bolt-together system that builds a shelf, a rack, a workbench or a machine frame with a spanner: 36×36, 40×40 and 50×50 mm angles in 2.0 mm galvanized or powder-coated steel, punched with the universal slot pattern, cut to 2–3 m. Bars by the bundle, bolts by the box, or complete rack kits with shelf panels, packed for container from Dilovası.

SIZES, PATTERN AND WEIGHT

Profile	Thickness	kg/m	Slot pattern	Standard lengths	Finish	Use
36 × 36	1.8–2.0 mm	1.05–1.15	Slots 25 × 9 / holes Ø8.5, 40 mm pitch	2 000 / 2 400 / 3 000	Galvanized, grey RAL 7035, blue RAL 5010	Light shelving, displays
40 × 40	2.0 mm	1.25	Slots 25 × 9 / holes Ø8.5, 40 mm pitch	2 000 / 2 400 / 3 000	Galvanized, painted	General racks, workbenches (most ordered)
50 × 50	2.0–2.5 mm	1.58–1.95	Slots 32 × 9 / holes Ø8.5, 50 mm pitch	2 400 / 3 000	Galvanized, painted	Heavy racks, frames, mezzanine supports
40 × 60 (unequal)	2.0 mm	1.55	Slots both legs	2 400 / 3 000	Galvanized	Beams for shelf panels
Flat slotted strip 40 × 2	2.0 mm	0.63	Slots	2 000 / 2 400	Galvanized	Braces, ties

Lengths cut to order from 500 mm; slots on both legs; M8 bolts.

LOAD CAPACITY — SHELVING GUIDE

Shelf width × depth	Load per shelf (kg)	Max. shelves at 2 000 mm	Total per bay (kg)
900 × 300 mm	120–150	6	700–900
900 × 450 mm	100–130	6	600–780
1 200 × 450 mm	80–100	5	400–500
1 200 × 600 mm (50×50 uprights)	150–200	5	750–1 000
1 500 × 600 mm (50×50, braced)	120–150	4	480–600

Guide values with diagonal bracing on the back; rack design per EN 15635 is the customer's responsibility for warehouses.

STANDARDS

EN 10346 DX51D+Z140–Z275 (galvanized strip) · EN 10130 DC01 (painted) · EN 15635 / FEM 10.2.02 (storage equipment — customer design) · ISO 898 (bolts)

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