

Strut Profile 40x120L M12 - Anodized Aluminum, 8 Open Slots, ESD-Suitable - Bosch Rexroth 3842993140

Item no. BRR-3842993140

Manufacturer Bosch Rexroth

The 40x120L M12 strut profile is an asymmetric heavy-duty aluminum extrusion in the 40 mm modular grid, offering a high area moment of inertia of 203.2 cm⁴ in the x-direction for load-bearing frames, machine bases, and protective enclosures. All core bores are factory-prepared with M12 threads; D17 through-bores are provided in selected slots, enabling direct bolted connections without reworking. The anodized aluminum section is ESD-suitable and available cut-to-length from 60 mm to 6000 mm.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
HS-Code	76169990
Note	Gemäß der aktuellen Preisstruktur werden für Bestellungen von Profilen mit einer Länge von 1500 mm zusätzliche Kosten in Höhe von 80,00 Euro berechnet.
Weight	0.1 kg

STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The Bosch Rexroth strut profile 40x120L M12 is an asymmetric aluminum extrusion in the 40 mm system grid, designed for applications where high bending stiffness in the primary load direction is required - such as horizontal beams, cantilever arms, and base frames in assembly and automation systems. An area moment of inertia of 203.2 cm⁴ in the x-direction delivers substantially greater rigidity than a square profile of equivalent cross-sectional area. The profile is ESD-suitable, making it compatible with electrostatically sensitive production environments.

- 8 open slots (slot width 10 mm) for flexible, drill-free connection and add-on mounting along the full profile length
- M12 threaded bores in all core pulls - direct bolted connections, no tapping required on site
- D17 through-bores in slots B/H, C/G, D/F and D17V in slots A/E - system-compatible connection options ex works
- Anodized aluminum, natural color - corrosion-resistant, dimensionally stable, ESD-suitable
- Cut-to-length from 60 mm to 6000 mm, supplied per piece at the cut-to-length price



TECHNICAL DATA

Property	Value
Cross-section	40x120L
Dimensions [mm]	40 x 120
Modular dimension [mm]	40
Profile slot [mm]	10
Open slots	8
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
ESD-suitable	Yes
Profile adaption	M12 in all core bores; D17 in slots B/H, C/G, D/F; D17V in slots A/E
Length min / max [mm]	60 / 6000
Packaging unit	1
Mass [kg/m]	4.2
Profile surface A [cm ²]	15.5
Area moment of inertia I _x [cm ⁴]	203.2
Moment of resistance W _x [cm ³]	33.9
Area moment of inertia I _y [cm ⁴]	27.8
Moment of resistance W _y [cm ³]	13.9
Torsional moment of inertia I _t [cm ⁴]	17.2
Moment of torsion resistance W _t [cm ³]	10
Recommended accessories	Cover cap 40x40 (signal gray/black), cover cap 40x80 (signal gray/black)