

Strut Profile 40x120L, Anodized Aluminum, ESD- Compatible, Cut-to-Length 50-6070 mm - Bosch Rexroth 3842993139

Item no. BRR-3842993139

Manufacturer Bosch Rexroth

Asymmetric aluminum strut profile with a 40x120L cross-section, 8 open slots and a 40 mm modular dimension for building load-bearing frames and machine enclosures. The anodized, ESD-compatible profile is supplied cut to the required length between 50 mm and 6070 mm. Profile slot 10, profile surface area 15.5 cm², area moment of inertia I_x 203.2 cm⁴.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
HS-Code	76042100
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 is designed for machine frames, enclosures and support structures where high bending stiffness along one axis is the deciding requirement. The anodized aluminum profile is ESD-compatible and delivered cut to length between 50 mm and 6070 mm, reducing stock and offcut waste.

- 8 open slots (slot size 10) allow flexible connector and attachment positioning along the full profile length
- High bending stiffness in the x-direction: area moment of inertia I_x 203.2 cm⁴, moment of resistance W_x 33.9 cm³
- ESD-compatible: grounded profile prevents electrostatic charge build-up at ESD-sensitive workstations
- Anodized aluminum surface: corrosion-resistant, abrasion-resistant, natural color
- Factory-machined: M12 threads in all core bores, D17 bores in slots B/H, C/G, D/F, and D17V in slots A/E
- Compatible with the Bosch Rexroth modular system on the 40 mm grid



TECHNICAL DATA

Property	Value
Cross-section	40x120L
Dimensions [mm]	40 x 120
Modular dimension [mm]	40
Profile type	Standard
Profile slot	10
Open slots	8
Length min / max [mm]	50 / 6070
Profile surface area A [cm ²]	15.5
Mass m [kg/m]	4.2
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
Profile machining	M12 in all core bores; D17 in slots B/H, C/G, D/F; D17V in slots A/E
Material	Aluminum, anodized
Color	Natural
ESD-compatible	Yes
Condition on delivery	Cut to variable length
Packaging unit	1