

Strebenprofil 40x120L M12/M12, eloxiertes Aluminium, ESD-geeignet - Bosch Rexroth 3842993141

Item no. BRR-3842993141

Manufacturer Bosch Rexroth

Extruded aluminum strut profile with 40x120L cross-section and 8 open slots (modular dimension 40 mm) for rigid support frames and machine structures. Factory-machined with M12 threads in all core bores and D17 holes in the flange slots - ready to install without additional drilling. ESD-compatible and anodized; cut-to-length from 110 to 6000 mm.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
Hinweis	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
Zolltarifnummer	76169990



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The Bosch Rexroth strut profile 40x120L M12/M12 is an anodized aluminum profile with an asymmetric cross-section designed for demanding support and frame structures in mechanical engineering and assembly. An area moment of inertia of 203.2 cm⁴ in the x-direction and a moment of resistance of 33.9 cm³ deliver high bending stiffness at low weight. Eight open slots (slot width 10 mm) allow connections on all sides using standard T-slot nuts and brackets; factory machining - M12 threads in all core bores and D17 holes in the flange slots (A/E as D17V) - significantly reduces assembly effort. The profile is ESD-compatible, making it suitable for electrostatically protected manufacturing areas.

- High bending stiffness: $I_x = 203.2 \text{ cm}^4$, $W_x = 33.9 \text{ cm}^3$ - suitable for longer spans without intermediate supports
- 8 open slots (width 10 mm) for multi-face connections with standard T-slot nuts and angle brackets
- Factory machining: M12 in all core bores, D17 in slots B/H, C/G, D/F and D17V in slots A/E
- ESD-compatible: approved for use in electrostatic protected areas (EPA)
- Anodized aluminum, natural color - corrosion-resistant and dimensionally stable

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Page 1/2

- Cut-to-length from 110 to 6000 mm, packaging unit 1 piece

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
Length min - max [mm]	110 - 6000
Profile surface 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
Packaging unit	1 piece
Recommended accessories	Cover cap 40x40 signal gray/black, cover cap 40x80 signal gray/black