

Strebenprofil 40x120L M12/M12 - eloxiertes Aluminiumprofil, ESD- geeignet, 1000 mm - Bosch Rexroth 3842993141-1000

Item no. BRR-3842993141-1000

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with 40x120L cross-section and 8 open slots for versatile connections within the Rexroth assembly system. M12 tapping in all core bores plus D17 and D17V holes on the long faces allow direct bolted connections without end plates. ESD-safe and available in custom lengths 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	0.0099 kg
Zolltarifnummer	76169990

STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The strut profile 40x120L M12/M12 (3842993141-1000) is an anodized aluminum structural member from the Rexroth assembly system, suited for workstation frames, machine guarding and protective structures. Its asymmetric 40x120 cross-section delivers high bending stiffness in the primary load direction ($I_x = 203.2 \text{ cm}^4$) while keeping the profile width compact.

- High bending stiffness in the x-direction: $I_x = 203.2 \text{ cm}^4$, $W_x = 33.9 \text{ cm}^3$ - suited for load-bearing horizontal beams
- 8 open slots (slot width 10 mm, modular dimension 40 mm) on all faces for flexible attachment of connectors, brackets and accessories without disassembly
- M12 tapping in all core bores, D17 holes in slots B/H, C/G, D/F and D17V holes in slots A/E - direct bolted connections without end plates
- ESD-safe: anodized surface, natural color - suitable for electrostatically sensitive production and test environments
- Available in lengths from 110 mm 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
Material	Aluminum, anodized
Color	Natural
ESD-safe	Yes
Length min [mm]	110
Length max [mm]	6000
Mass [kg]	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
Profile adaption	M12 in all core bores; D17 in slots B/H, C/G, D/F; D17V in slots A/E
Packaging unit	1