

Strebenprofil 80x120L M12, ESD-geeignet, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842993202-1000

Item no. BRR-3842993202-1000

Manufacturer Bosch Rexroth

Precision-machined aluminum strut profile with an 80x120L cross-section for load-bearing frames, machine bases, and ESD-protected environments. Ten open slots on a 40 mm grid accept standard connectors without additional drilling; M12 threads are pre-machined into all cores. Supplied at 1000 mm; custom lengths from 60 mm to 6000 mm available.

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 Bosch Rexroth Strut Profile 80x120L M12 is a structural aluminum section for machine frames, support structures, and protective enclosures where high rigidity and ESD safety are required. An area moment of inertia of 389.2 cm⁴ in the x-direction and 192.8 cm⁴ in the y-direction makes it well suited to long-span constructions carrying significant bending loads.

- 10 open slots on a 40 mm modular grid - flexible positioning of connectors and attachments without re-drilling
- M12 threads pre-machined into all cores; D17 bores in slots C/J, D/I, E/H; D17V bores in slots A/G, B/F - ready for direct assembly
- ESD-compatible as declared - suitable for use in electrostatic discharge protected areas straight from the box
- Anodized aluminum, natural color - corrosion-resistant, lightweight, and dimensionally stable
- Supplied at 1000 mm; lengths from 60 mm to 6000 mm available to order

TECHNICAL DATA

Property	Value
Cross-section	80x120L mm
Profile type	Standard
Modular dimension	40 mm
Profile slot	10 mm
Open slots	10
Length (this item)	1000 mm
Length min / max	60 mm / 6000 mm
Material	Aluminum, anodized
Color	Natural
ESD-compatible	Yes
Mass [m]	6.9 kg/m
Profile surface [A]	25.6 cm ²
Area moment of inertia I _x	389.2 cm ⁴
Area moment of inertia I _y	192.8 cm ⁴
Moment of resistance W _x	64.9 cm ³
Moment of resistance W _y	48.2 cm ³
Torsional moment of inertia I _t	119 cm ⁴
Moment of torsion resistance W _t	29.1 cm ³
Profile machining	M12 in all cores; D17 in slots C/J, D/I, E/H; D17V in slots A/G, B/F
Recommended accessories	Cover cap 80x120 signal gray, Cover cap 80x120 black
Packaging unit	1 piece