

Strebenprofil 40x160L M12, ESD-geeignet, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842993144-1000

Item no. BRR-3842993144-1000

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with a 40x160L cross-section and M12 tapped cores in all slots, ready for direct assembly without additional inserts. With 10 open slots (slot width 10 mm, modular dimension 40 mm) and full ESD suitability, it is the right choice for load-bearing frames and workstations in electrostatic-sensitive production environments. Supplied cut to 1000 mm; custom lengths from 60 mm to 6000 mm are 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 40x160L M12 strut profile is an anodized aluminum extrusion designed for structurally demanding frames, machine guards, and assembly systems. M12 threads in all cores eliminate the need for separate threaded inserts, while D17 clearance holes in slots B/J, C/I, D/H, and E/G extend connection options without additional machining. ESD suitability makes it the correct choice for workstations and structures in electrostatic-sensitive areas.

- 10 open slots (10 mm width, 40 mm modular pitch) - maximum flexibility for connector placement along the entire profile
- M12 threads in all cores - direct bolt connections, no inserts required
- High bending stiffness in the x-direction: area moment of inertia $I_x = 466.7 \text{ cm}^4$, section modulus $W_x = 58.3 \text{ cm}^3$
- ESD-suitable per Bosch Rexroth assembly technology standard
- Anodized aluminum (natural color) - corrosion-resistant and durable
- Custom cut length from 60 mm to 6000 mm; this unit: 1000 mm



TECHNICAL DATA

Property	Value
Cross-section	40x160L
Dimensions	40 x 160 mm
Length (this unit)	1000 mm
Length min / max	60 mm / 6000 mm
Modular dimension	40 mm
Profile slot	10 mm
Open slots	10
Profile adaption	M12 in all cores; D17 in slots B/J, C/I, D/H, E/G
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
ESD-suitable	Yes
Mass [m]	5.5 kg
Profile surface [A]	20.5 cm ²
Area moment of inertia I _x (x-direction)	466.7 cm ⁴
Section modulus W _x (x-direction)	58.3 cm ³
Area moment of inertia I _y (y-direction)	37.2 cm ⁴
Section modulus W _y (y-direction)	18.6 cm ³
Torsional moment of inertia [I _t]	25.8 cm ⁴
Moment of torsion resistance [W _t]	14.6 cm ³
Packaging unit	1
Recommended accessories	Cover cap 40x80 signal gray, Cover cap 40x80 black