

Strebenprofil 40x160L M12, eloxiertes Aluminium, ESD-geeignet - Bosch Rexroth 3842993144

Item no. BRR-3842993144

Manufacturer Bosch Rexroth

The 40x160L strut profile is an anodized aluminum section with M12 tapped cores in all core draws and 10 open slots on a 40 mm modular grid. An area moment of inertia of 466.7 cm⁴ in the x-direction makes it well suited to load-bearing frame structures and ESD-compliant assembly systems. Custom cut-to-length from 60 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 40x160L strut profile is an asymmetric anodized aluminum section on a 40 mm modular grid, featuring 10 open slots and M12 threads in all core draws. ESD-suitable and available cut to length from 60 to 6000 mm, it is designed for structural frames, machine bases, and assembly systems in electrostatically sensitive environments.

- High bending stiffness: area moment of inertia $I_x = 466.7 \text{ cm}^4$ in the x-direction for load-bearing longitudinal applications
- M12 threads in all core draws; D17 bores in slots B/J, C/I, D/H, E/G - factory-machined
- 10 open slots (slot width 10) for flexible connection and mounting options throughout the profile length
- ESD-suitable: safe for use in electrostatically sensitive production and assembly areas
- Material: aluminum, anodized, natural color - corrosion-resistant and weight-optimized
- Cut to length: minimum 60 mm, maximum 6000 mm, packaging unit 1 piece

TECHNICAL DATA

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Property	Value
Cross-section	40x160L
Dimensions	40 x 160 mm
Modular dimension	40 mm
Profile slot	10
Open slots	10
Profile type	Standard
Profile adaption	M12 in all core draws; D17 in slots B/J, C/I, D/H, E/G
Material	Aluminum, anodized
Color	Natural
ESD-suitable	Yes
Length min. (L min)	60 mm
Length max. (L max)	6000 mm
Mass (m)	5.5 kg/m
Profile surface (A)	20.5 cm ²
Area moment of inertia x (Ix)	466.7 cm ⁴
Moment of resistance x (Wx)	58.3 cm ³
Area moment of inertia y (Iy)	37.2 cm ⁴
Moment of resistance y (Wy)	18.6 cm ³
Torsional moment of inertia (It)	25.8 cm ⁴
Moment of torsion resistance (Wt)	14.6 cm ³
Packaging unit	1 piece
Recommended accessories	Cover cap 40x80 signal gray, Cover cap 40x80 black