

Strebenprofil 80x160L M12/M12, 1000 mm - Bosch Rexroth 3842993152-1000

Item no. BRR-3842993152-1000

Manufacturer Bosch Rexroth

Heavy-duty anodized aluminum strut profile with an 80x160L cross-section, 12 open slots (slot width 10 mm, modular dimension 40 mm) and ESD-compliant construction. Pre-machined M12 threads in all core holes and D17 bores in the lateral slots eliminate on-site drilling. Designed for load-bearing frames, machine structures and assembly lines within the Bosch Rexroth aluminum profile system.

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 80x160L M12/M12 is an anodized aluminum profile engineered for demanding structural applications in the Bosch Rexroth modular building system. An area moment of inertia of 850.7 cm⁴ (x-direction) and a moment of resistance of 106.3 cm³ provide high resistance to bending and torsional loads. Twelve open profile slots (slot width 10 mm, modular dimension 40 mm) allow connectors, panels and functional elements to be positioned anywhere along the profile length without additional machining.

- ESD-compliant: certified dissipative construction for electrostatic protected areas
- Factory-machined connections: M12 threads in all core holes, D17 bores in slots C/L, D/K, E/J, F/I and D17V bores in slots A/H, B/G - ready to assemble out of the box
- High bending stiffness: $I_x = 850.7 \text{ cm}^4$, $W_x = 106.3 \text{ cm}^3$, $I_y = 253.4 \text{ cm}^4$, $W_y = 63.4 \text{ cm}^3$
- Torsional rigidity: $I_t = 182 \text{ cm}^4$, $W_t = 41.1 \text{ cm}^3$
- Flexible cut-to-length: supplied at 1000 mm; available from L min 110 mm to L max 6000 mm
- Material: anodized aluminum, natural color - corrosion-resistant and easy to clean

TECHNICAL DATA

Parameter	Value
Cross-section	80x160L
Profile type	Standard
Modular dimension	40 mm
Profile slot width	10 mm
Open slots	12
Length (this order)	1000 mm
Length min / max	110 mm / 6000 mm
Profile surface A	32.9 cm ²
Mass m	8.9 kg/m
Area moment of inertia I _x	850.7 cm ⁴
Moment of resistance W _x	106.3 cm ³
Area moment of inertia I _y	253.4 cm ⁴
Moment of resistance W _y	63.4 cm ³
Torsional moment of inertia I _t	182 cm ⁴
Moment of torsion resistance W _t	41.1 cm ³
ESD	Yes
Material	Aluminum, anodized
Color	Natural
Packaging unit	1
Recommended accessories	Cover cap 80x80 signal gray, mounting hole plug 80x80 black