

Strebenprofil 80x160L M12/D17, 1000 mm, eloxiertes Aluminium, ESD- geeignet - Bosch Rexroth 3842993153-1000

Item no. BRR-3842993153-1000

Manufacturer Bosch Rexroth

Heavy-section strut profile with 80x160 mm cross-section (L-type, 12 open slots) in anodized aluminum for load-bearing frame structures and assembly systems. Pre-machined with M12 tapped cores and D17 clearance holes at all relevant slot positions, ESD-compatible. Supplied at 1000 mm; lengths from 90 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 80x160L M12/D17 strut profile in anodized aluminum delivers high bending and torsional rigidity for structural frames, machine guarding, and modular assembly systems. Twelve open slots (10 mm wide) on a 40 mm grid ensure full compatibility with the Bosch Rexroth aluminum profile system. ESD-compatible construction makes it suitable for use in electrostatically sensitive environments.

- High bending stiffness: area moment of inertia $I_x = 850.7 \text{ cm}^4$, moment of resistance $W_x = 106.3 \text{ cm}^3$
- 12 open slots (10 mm wide) for connection flexibility on all faces
- Factory-machined: M12 threads in all core bores; D17 clearance holes in slots C/L, D/K, E/J, F/I; D17V in slots A/H, B/G
- ESD-compatible for use in electrostatic-sensitive production areas
- Anodized aluminum, natural color - corrosion-resistant with a hard surface finish
- Custom cut lengths from 90 to 6000 mm, supplied as single piece



TECHNICAL DATA

Property	Value
Cross-section	80x160 mm (L-type)
Modular dimension	40 mm
Profile slot width	10 mm
Open slots	12
Profile type	Standard
Color	Natural
Material	Aluminum, anodized
ESD-compatible	Yes
Profile machining	M12 in all core bores; D17 in slots C/L, D/K, E/J, F/I; D17V in slots A/H, B/G
Length min. (L min)	90 mm
Length max. (L max)	6000 mm
Supplied length	1000 mm
Mass (m)	8.9 kg/m
Profile surface (A)	32.9 cm ²
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
Packaging unit	1 piece
Recommended accessories	Cover cap 80x80 signal gray, mounting hole plug 80x80 black