

Strut Profile 80x160L M12/D17, ESD-Compatible, Anodized Aluminum - Bosch Rexroth 3842993153

Item no. BRR-3842993153

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with an 80x160L cross-section for building rigid machine frames and assembly structures. Twelve open slots, a 40 mm modular dimension, and ESD compatibility provide broad connection flexibility. Cut to length between 90 mm and 6000 mm; mass 8.9 kg/m.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
HS-Code	76169990
Note	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



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The 80x160L M12/D17 strut profile from Bosch Rexroth is an anodized aluminum extrusion designed for demanding machine frames, workstation structures, and industrial assembly systems. The asymmetric 80x160 mm cross-section delivers substantially higher bending stiffness in the primary load direction compared to a square profile of equivalent cross-sectional area, while keeping overall weight low.

- 12 open slots (slot width 10 mm) for maximum connection flexibility on all faces
- 40 mm modular dimension, fully compatible with the complete Bosch Rexroth aluminum structural system
- ESD-compatible for safe use in electrostatically sensitive production and laboratory environments
- Pre-machined holes: M12 in all core bores, D17 in slots C/L, D/K, E/J and F/I, D17V in slots A/H and B/G - reducing assembly time on site
- Cut to length from 90 mm to 6000 mm, packaging unit 1 piece

TECHNICAL DATA

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Property	Value
Cross-section	80x160L mm
Dimensions	80x160 mm
Profile type	Standard
Color	Natural (anodized)
Material	Aluminum, anodized
Modular dimension	40 mm
Profile slot width	10 mm
Open slots	12
ESD-compatible	Yes
Profile surface [A]	32.9 cm ²
Mass [m]	8.9 kg/m
Length min	90 mm
Length max	6000 mm
Area moment of inertia X [Ix]	850.7 cm ⁴
Moment of resistance X [Wx]	106.3 cm ³
Area moment of inertia Y [Iy]	253.4 cm ⁴
Moment of resistance Y [Wy]	63.4 cm ³
Torsional moment of inertia [It]	182 cm ⁴
Moment of torsion resistance [Wt]	41.1 cm ³
Machining M12	In all core bores
Machining D17	In slots C/L, D/K, E/J, F/I
Machining D17V	In slots A/H, B/G
Packaging unit	1 piece
Recommended accessories	Cover cap 80x80 signal gray, mounting hole plug 80x80 black