

Strebenprofil 80x160L M12/M12, ESD-geeignet, Aluminium eloxiert - Bosch Rexroth 3842993152

Item no. BRR-3842993152

Manufacturer Bosch Rexroth

Heavy-section strut profile with an 80x160L cross-section and M12 tapping in all core channels, designed for high-load frames and support structures. The anodized aluminum extrusion is ESD-compatible and can be cut to length between 110 mm and 6000 mm. Twelve open slots on a 40 mm grid integrate directly with 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	0.1 kg
Zolltarifnummer	76169990



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The strut profile 80x160L M12/M12 is a large-format aluminum profile for demanding load-bearing and frame structures in mechanical and plant engineering. The asymmetric 80x160 mm cross-section delivers an area moment of inertia of 850.7 cm⁴ (x-direction) and 253.4 cm⁴ (y-direction), providing high bending stiffness at a linear mass of 8.9 kg/m. ESD compatibility makes it suitable for electrostatic-discharge-protected workplaces and assembly lines.

- M12 threads in all core channels - ready for immediate bolted connections without additional drilling or tapping
- 12 open slots (slot width 10 mm) for continuous accessory and connector attachment along the full profile length
- 40 mm modular grid - fully compatible with the Bosch Rexroth aluminum profile construction kit
- ESD-compatible - suitable for test and assembly stations with electrostatic discharge requirements
- Cut-to-length service: 110 mm to 6000 mm, packaging unit 1 piece

TECHNICAL DATA

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Property	Value
Cross-section	80x160L
Dimensions [mm]	80x160
Modular dimension [mm]	40
Profile slot [mm]	10
Open slots	12
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
ESD-compatible	Yes
Length min. [mm]	110
Length max. [mm]	6000
Mass [kg/m]	8.9
Profile surface A [cm ²]	32.9
Area moment of inertia I _x [cm ⁴]	850.7
Area moment of inertia I _y [cm ⁴]	253.4
Moment of resistance W _x [cm ³]	106.3
Moment of resistance W _y [cm ³]	63.4
Torsional moment of inertia I _t [cm ⁴]	182
Moment of torsion resistance W _t [cm ³]	41.1
Machining	M12: all core channels; D17: slots C/L, D/K, E/J, F/I; D17V: slots A/H, B/G
Packaging unit	1
Recommended accessories	Cover cap 80x80 signal gray, cover cap 80x80 black