

Strebenprofil 90x180L M12/M12, Aluminium eloxiert, 12 Nuten - Bosch Rexroth 3842992859

Item no. BRR-3842992859

Manufacturer Bosch Rexroth

Heavy-duty anodized aluminum strut profile with a 90x180L cross-section, 12 open slots, and factory-machined M12 through-holes in all core channels. Part of the Bosch Rexroth Aluminum Structural Framing system, available cut to length from 110 mm 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



DESCRIPTION

The Strut Profile 90x180L M12/M12 is an anodized aluminum structural profile for demanding frame assemblies, machine bases, and protective enclosures within the Bosch Rexroth modular framing system. An area moment of inertia of 1380 cm⁴ (x-direction) and 401 cm⁴ (y-direction) delivers the bending stiffness needed for long spans and high loads, while the open profile geometry keeps weight low.

- 12 open slots (slot width 10 mm, modular dimension 45 mm) allow tool-free accessory positioning at any point along the profile
- M12 tapped holes in all core channels plus D17V and LF machining in slots A/H and B/G - ready to assemble straight from the factory
- Moment of resistance W_x 153.3 cm³ / W_y 89.1 cm³, torsional moment of resistance 47.1 cm³ - rated for combined bending and torsional loads
- Custom cut to length from 110 mm to 6000 mm, packaging unit 1 piece
- Anodized aluminum (natural color) - corrosion-resistant with a durable surface finish

TECHNICAL DATA

Property	Value
Cross-section	90x180L
Dimensions	90 x 180 mm

Property	Value
Profile type	Standard
Modular dimension	45 mm
Open slots	12
Profile slot width	10 mm
Profile machining	M12 in all core channels; D17V and LF in slots A/H, B/G
Length min. (L min)	110 mm
Length max. (L max)	6000 mm
Profile surface (A)	42.8 cm ²
Mass (m)	11.6 kg/m
Area moment of inertia x (Ix)	1380 cm ⁴
Area moment of inertia y (Iy)	401 cm ⁴
Moment of resistance x (Wx)	153.3 cm ³
Moment of resistance y (Wy)	89.1 cm ³
Torsional moment of inertia (It)	257 cm ⁴
Moment of torsion resistance (Wt)	47.1 cm ³
Material	Aluminum, anodized
Color	Natural
Recommended accessories	Cover cap 90x90L black, Cover cap 90x90L signal gray
Packaging unit	1 piece