

Strebenprofil 90x180L M12/M12, 1000 mm - Bosch Rexroth 3842992859-1000

Item no. BRR-3842992859-1000

Manufacturer Bosch Rexroth

Heavy-duty aluminium strut profile with a 90x180 mm cross-section, 12 open slots, and M12 tapping in all core bores. Area moment of inertia I_x 1380 cm⁴ delivers high bending stiffness for load-bearing frames and machine enclosures. Supplied in natural anodized finish, 1000 mm length, cuttable from 110 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	0.0099 kg
Zolltarifnummer	76169990



DESCRIPTION

The Bosch Rexroth strut profile 90x180L M12/M12 is a structural aluminium profile for demanding frame assemblies, machine bases, and enclosures in industrial manufacturing. The asymmetric 90x180 mm cross-section with 12 open slots provides high bending stiffness in the primary load direction (I_x 1380 cm⁴, W_x 153.3 cm³) with efficient material use (profile surface 42.8 cm²). Factory-tapped M12 threads in all core bores allow direct bolted connections with no additional machining.

- I_x 1380 cm⁴ / W_x 153.3 cm³ - high bending stiffness in the x-direction for primary load-bearing members
- 12 open slots (slot size 10, modular dimension 45 mm) - versatile attachment of connectors, linear components, and accessories
- M12 tapping in all core bores, D17V and LF in slots A/H and B/G - assembly-ready as delivered
- Anodized aluminium, natural colour - corrosion-resistant and surface-stable for cleanroom and production environments
- Length range 110-6000 mm - available cut-to-length; packaging unit 1 piece

TECHNICAL DATA

Property	Value
Cross-section	90x180 mm
Profile type	Standard (90x180L)

Property	Value
Modular dimension	45 mm
Open slots	12
Slot size	10
Profile surface [A]	42.8 cm ²
Area moment of inertia I _x	1380 cm ⁴
Moment of resistance W _x	153.3 cm ³
Area moment of inertia I _y	401 cm ⁴
Moment of resistance W _y	89.1 cm ³
Torsional moment of inertia [I _t]	257 cm ⁴
Moment of torsion resistance [W _t]	47.1 cm ³
Mass	11.6 kg/m
Profile adaption	M12 in all core bores; D17V and LF in slots A/H, B/G
Material	Aluminium, anodized
Colour	Natural
Length min / max	110 mm / 6000 mm
Supplied length (this item)	1000 mm
Packaging unit	1 piece
Recommended accessories	Cover cap 90x90L black; Cover cap 90x90L signal gray