

Strebenprofil 90x180L M12, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842992858-1000

Item no. BRR-3842992858-1000

Manufacturer Bosch Rexroth

Heavy-duty strut profile with 90x180 mm cross-section in anodized aluminum, designed for load-bearing frames and machine structures. Twelve open slots (size 10) and M12 tapped cores in all struts deliver high bending stiffness ($I_x = 1380 \text{ cm}^4$) with straightforward system integration. Supplied at 1000 mm; available cut to length from 60 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	0.0099 kg
Zolltarifnummer	76169990



DESCRIPTION

The Bosch Rexroth Strut Profile 90x180L M12 is a heavy-load structural profile on a 45 mm grid, intended for load-bearing frames, machine bases, and structural assemblies with demanding static requirements. The asymmetric 90x180 mm cross-section combines a compact width with pronounced bending stiffness along the primary load axis. All cores are pre-tapped M12; slots A/H and B/G additionally carry D17V counterbores and elongated holes (LF) for direct bolted connections without pre-drilling.

- High bending stiffness: area moment of inertia $I_x = 1380 \text{ cm}^4$, $W_x = 153.3 \text{ cm}^3$ - suited for longitudinal load-bearing applications.
- 12 open slots (size 10) allow flexible connector placement on all profile faces.
- M12 tapped cores in all struts, plus D17V and LF machining in the main slots, reduce assembly effort significantly.
- Anodized aluminum construction: corrosion-resistant, dimensionally stable, ready to install without additional surface treatment.
- 45 mm modular grid - fully compatible with the Bosch Rexroth profile system and its full range of connectors and fasteners.

TECHNICAL DATA

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

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Property	Value
Modular dimension	45 mm
Profile slot	Size 10
Open slots	12
Profile type	Standard
Profile machining	M12 in all cores; D17V and LF in slots A/H, B/G
Length (this unit)	1000 mm
Length min / max	60 mm / 6000 mm
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
Material	Aluminum, anodized
Color	Natural
Packaging unit	1 piece
Recommended accessories	Cover cap 90x90L, black; Cover cap 90x90L, signal gray