

Strebenprofil 90x180L M12 - eloxiertes Aluminiumprofil für schwere Tragkonstruktionen - Bosch Rexroth 3842992858

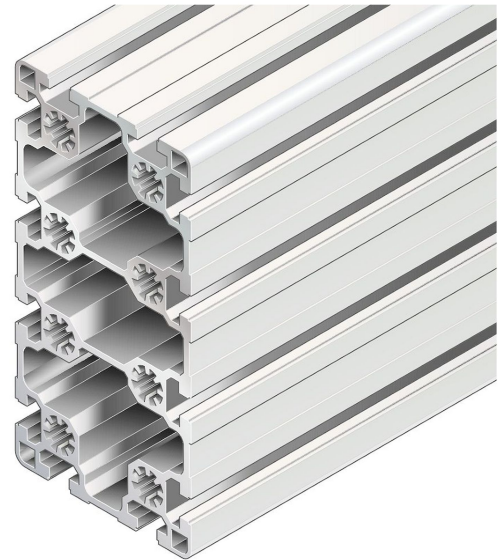
Item no. BRR-3842992858

Manufacturer Bosch Rexroth

The 90x180L strut profile in anodized aluminum is designed for load-bearing frames and support structures in mechanical engineering. With 12 open slots, a modular dimension of 45 mm, and a profile surface of 42.8 cm², it delivers high bending and torsional stiffness. The profile is cut to length on order (60 to 6000 mm) and is fully compatible 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



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DESCRIPTION

The 90x180L strut profile is a heavy-duty aluminum section for structural applications in machine and plant construction. The asymmetric 90x180 mm cross-section with 12 open profile slots (slot size 10) enables flexible fastening in all directions. Factory machining includes M12 tapped holes in all core bores, plus D17V bores and slot milling (LF) in slots A/H and B/G, so connectors can be installed without additional drilling. The profile is cut to any length between 60 mm and 6000 mm (per-cut pricing applies).

- Area moment of inertia I_x 1380 cm⁴ and W_x 153.3 cm³ for high bending stiffness in the primary load direction
- Area moment of inertia I_y 401 cm⁴ and W_y 89.1 cm³ for lateral loads
- Torsional moment of resistance W_t 47.1 cm³ and torsional moment of inertia I_t 257 cm⁴
- 12 open slots on the 45 mm modular grid allow stepless positioning of attachments
- Anodized surface provides corrosion protection and easy cleaning

TECHNICAL DATA

Property	Value
Cross-section	90x180L mm

Property	Value
Profile type	Standard
Modular dimension	45 mm
Profile slot	10
Open slots	12
Profile surface [A]	42.8 cm ²
Area moment of inertia [Ix]	1380 cm ⁴
Moment of resistance [Wx]	153.3 cm ³
Area moment of inertia [Iy]	401 cm ⁴
Moment of resistance [Wy]	89.1 cm ³
Torsional moment of inertia [It]	257 cm ⁴
Moment of torsion resistance [Wt]	47.1 cm ³
Mass [m]	11.6 kg/m
Length min / max	60 / 6000 mm
Packaging unit	1 piece
Material	Aluminum, anodized
Color	Natural
Profile machining	M12 in all core bores; D17V and LF in slots A/H, B/G
Recommended accessories	Cover cap 90x90L black, cover cap 90x90L signal gray