

Strebenprofil 90x180L 2xD17LF - 12 offene Nuten, Aluminium eloxiert, Zuschnitt 80-6000 mm - Bosch Rexroth 3842992861

Item no. BRR-3842992861

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with a 90x180L cross-section, 12 open slots and a 45 mm modular dimension for demanding frame structures and machine-building applications. Pre-machined at the factory with M12 threads in all core bores plus D17V and LF drillings in slots A/H and B/G. Supplied cut to length from 80 mm to 6000 mm, packaging unit 1 piece.

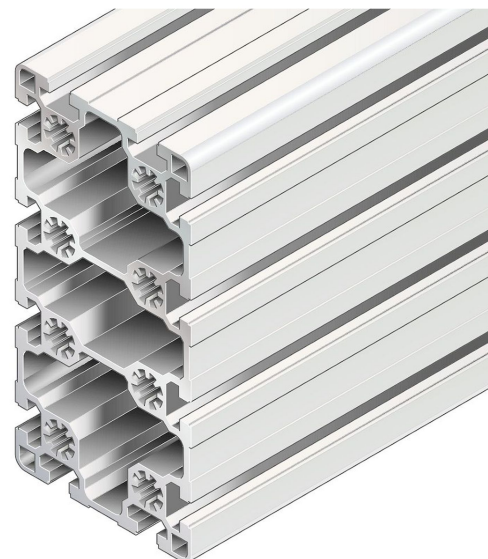
TECHNICAL DATA

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 strut profile 90x180L (article 3842992861) is a standard-type anodized aluminum profile with 12 open slots and a 45 mm modular dimension. It is designed for load-bearing frame structures, machine enclosures and assembly systems where high bending and torsional stiffness are required. Factory machining - M12 threads in all core bores, D17V drillings and LF counterbores in slots A/H and B/G - significantly reduces assembly effort on site.

- 12 open slots (10 mm width) allow flexible fastening and connection solutions without additional drilling
- Area moment of inertia $I_x = 1380 \text{ cm}^4$ and $W_x = 153.3 \text{ cm}^3$ for high bending stiffness in the x-direction
- Torsion resistance moment $W_t = 47.1 \text{ cm}^3$ and torsional moment of inertia $I_t = 257 \text{ cm}^4$
- Profile surface $A = 42.8 \text{ cm}^2$, mass 11.6 kg/m - favourable strength-to-weight ratio
- Cut to length: freely selectable from L min 80 mm to L max 6000 mm
- Anodized aluminum, natural colour - corrosion-resistant with durable surface protection

TECHNICAL DATA

Property	Value
Cross-section	90x180L

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Property	Value
Dimensions	90 x 180 mm
Profile type	Standard
Modular dimension	45 mm
Profile slot width	10 mm
Open slots	12
Length min (L min)	80 mm
Length max (L max)	6000 mm
Mass (m)	11.6 kg/m
Profile surface (A)	42.8 cm ²
Area moment of inertia x (Ix)	1380 cm ⁴
Moment of resistance x (Wx)	153.3 cm ³
Area moment of inertia y (Iy)	401 cm ⁴
Moment of resistance y (Wy)	89.1 cm ³
Torsional moment of inertia (It)	257 cm ⁴
Torsion resistance moment (Wt)	47.1 cm ³
Profile machining	M12 in all core bores; D17V in slots A/H, B/G; LF in slots A/H, B/G
Material	Aluminum, anodized
Color	Natural
Packaging unit	1 piece
Recommended accessories	Cover cap 90x90L black, cover cap 90x90L signal gray