

Strebenprofil 90x180L, 1000 mm, Aluminium eloxiert, 12 Nuten - Bosch Rexroth 3842992857-1000

Item no. BRR-3842992857-1000

Manufacturer Bosch Rexroth

Heavy-section aluminum strut profile with a 90x180 mm cross-section and 12 open slots for high bending and torsional stiffness. Modular dimension 45 mm, anodized natural finish, supplied at 1000 mm - cut to length from 50 to 6070 mm. Suited to load-bearing frames, machine bases, and assembly tables.

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	76042100



DESCRIPTION

The 90x180L strut profile on a 45 mm modular grid delivers substantially higher bending stiffness in the x-direction ($I_x = 1380 \text{ cm}^4$, $W_x = 153.3 \text{ cm}^3$) compared with the square 90x90 profile. Twelve open 10 mm slots allow connectors and accessories to be attached on every face without additional drilling.

- High bending stiffness: $I_x = 1380 \text{ cm}^4$ / $W_x = 153.3 \text{ cm}^3$ for load-intensive structures
- Torsional rigidity: $I_t = 257 \text{ cm}^4$ / $W_t = 47.1 \text{ cm}^3$ for twist-resistant frames
- 12 open slots (10 mm width) for tool-free, flexible connection of standard accessories
- 45 mm modular grid - fully compatible with all Bosch Rexroth assembly technology accessories
- Anodized aluminum: corrosion-resistant, lightweight, natural color
- Variable length: 1000 mm standard, cut to order from 50 to 6070 mm
- Factory machining: M12 in all core pulls; D17V and longitudinal guide in slots A/H and B/G

TECHNICAL DATA

Property	Value
Cross-section	90x180L
Dimensions	90x180 mm
Modular dimension	45 mm
Open slots	12

Property	Value
Slot width	10 mm
Profile type	Standard
Color	Natural
Material	Aluminum, anodized
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
Moment of torsion resistance (Wt)	47.1 cm ³
Mass (m)	11.6 kg/m
Length (supplied)	1000 mm
Length min	50 mm
Length max	6070 mm
Factory machining	M12 in all core pulls; D17V and longitudinal guide in slots A/H, B/G
Packaging unit	1 piece
Recommended accessories	Cover cap 90x90L black, Cover cap 90x90L signal gray