

Strebenprofil 90x180L Q&E, Aluminium eloxiert, 12 Nuten, Rastermaß 45 mm - Bosch Rexroth 3842993677-1000

Item no. BRR-3842993677-1000

Manufacturer Bosch Rexroth

Asymmetric aluminium strut profile with a 90x180L cross-section and 12 open slots on a 45 mm grid, designed for building rigid assembly frames and support structures. Supplied at 1000 mm length with anodized surface finish; available from 80 mm to 6070 mm with standard and customized end machining options. Compatible cover caps (90x90L) are available separately.

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 Bosch Rexroth strut profile 90x180L Q&E is an anodized aluminium structural section for professional machine frames, fixtures, and material-handling structures. Twelve open slots on a 45 mm modular grid allow multi-directional connections and flexible integration with the Bosch Rexroth aluminum profile system.

- High bending stiffness in the x-direction: area moment of inertia $I_x = 1380 \text{ cm}^4$, section modulus $W_x = 153.3 \text{ cm}^3$
- 12 open slots (slot width 10) for versatile connection and mounting options in any orientation
- Anodized natural-colour surface for corrosion resistance and a clean appearance
- Delivery length 1000 mm; orderable from 80 mm up to 6070 mm
- Standard machining available: M12, D9.8 and D17 at slots C, D, E, F, I, J, K, L; DB17; F1 at slots A, G
- Customized machining options: DI, DIS, MT, MTS, MI, MIS, DG (DGmax = 30°, Lmin1/Lmin2 = 404/508 mm)

TECHNICAL DATA

Property	Value
Cross-section	90x180L
Dimensions	90x180 mm

Property	Value
Profile type	Standard
Slot width	10
Modular dimension	45 mm
Open slots	12
Delivery length	1000 mm
Length min / max	80 mm / 6070 mm
Mass	11.6 kg/m
Profile surface [A]	42.8 cm ²
Area moment of inertia [Ix]	1380 cm ⁴
Area moment of inertia [Iy]	401 cm ⁴
Section modulus [Wx]	153.3 cm ³
Section modulus [Wy]	89.1 cm ³
Torsional moment of inertia [It]	257 cm ⁴
Torsion section modulus [Wt]	47.1 cm ³
Material	Aluminium, anodized
Color	Natural
Packaging unit	1
Recommended accessories	Cover cap 90x90L black, Cover cap 90x90L signal gray