

Strebenprofil 90x180L, 12 Nuten, 1000 mm, Aluminium eloxiert - Bosch Rexroth 3842992861-1000

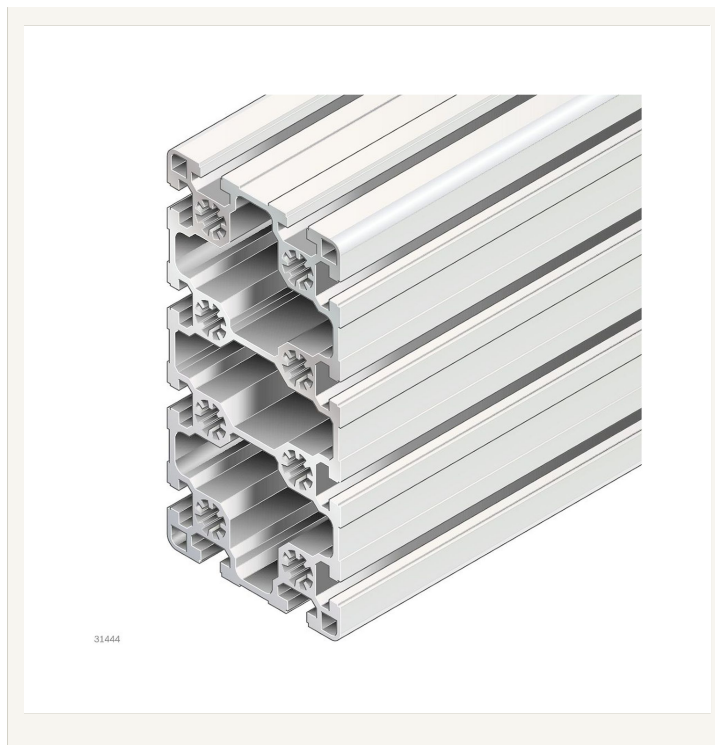
Item no. BRR-3842992861-1000

Manufacturer Bosch Rexroth

Heavy-section strut profile with a 90x180L cross-section and 12 open slots (45 mm grid) for demanding load-bearing structures in the aluminum profile system. Delivered in 1000 mm lengths (cut-to-length from 80 mm to 6000 mm available), with M12 threads in all core bores and D17V/LF machining in slots A/H and B/G as standard. Suited to machine frames, assembly lines, and structural supports with high rigidity requirements.

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 strut profile 90x180L is a double-width anodized aluminum profile on a 45 mm grid, built for high-load structures, machine bases, and assembly systems. At 1000 mm delivery length - available cut to length from 80 mm to 6000 mm - its 12 open slots (10 mm slot width) provide connection points and accessory mounting on all faces.

- 12 open slots (10 mm wide) for connectors, brackets, and add-on components on every side
- Standard machining: M12 threads in all core bores, D17V and LF bores in slots A/H and B/G
- High bending stiffness: area moment of inertia $I_x = 1380 \text{ cm}^4$, moment of resistance $W_x = 153.3 \text{ cm}^3$
- Torsional moment of resistance $W_t = 47.1 \text{ cm}^3$, torsional moment of inertia $I_t = 257 \text{ cm}^4$
- Profile surface area 42.8 cm^2 , mass 11.6 kg per meter
- Anodized aluminum - corrosion-resistant, easy to clean, natural finish

TECHNICAL DATA

Property	Value
Cross-section	90x180L
Dimensions	90x180 mm
Modular dimension	45 mm
Profile slot width	10 mm

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Property	Value
Open slots	12
Profile type	Standard
Color	Natural (anodized)
Material	Aluminum, anodized
Delivery length (this item)	1000 mm
Length min / max	80 mm / 6000 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
Moment of resistance [Wx]	153.3 cm ³
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
Profile machining	M12 in all core bores; D17V and LF in slots A/H, B/G
Packaging unit	1 piece
Recommended accessories	Cover cap 90x90L black, Cover cap 90x90L signal gray