

Strebenprofil 90x180 M16/F2, Aluminium eloxiert, bis 6000 mm - Bosch Rexroth 3842990419

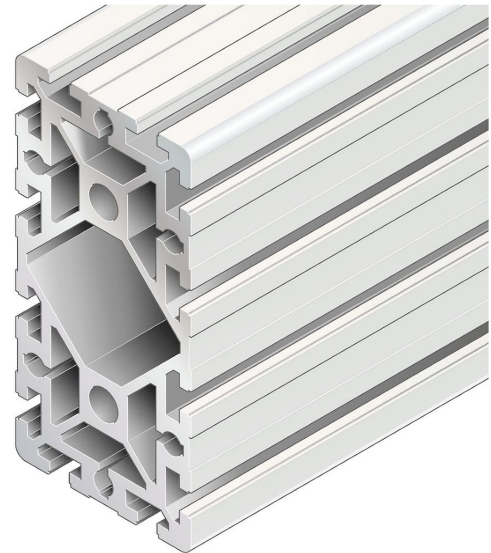
Item no. BRR-3842990419

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile, 90x180 mm cross-section with 12 open slots and 45 mm modular dimension, for demanding frame structures and machine-building applications. Supplied cut to length between 170 mm and 6000 mm, with M16 tapping pre-machined in all cores and D17V, LF, LF-S bores in the side slots. Area moment of inertia I_x 2138.3 cm⁴ and section modulus W_x 237.6 cm³ support high bending and torsional loads.

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 90x180 M16/F2 is a structural aluminum profile within the Bosch Rexroth aluminum profile system. Its 90x180 mm cross-section, 12 open slots of 10 mm width, and 45 mm modular dimension make it fully compatible with other system profiles and standard accessories. The M16/F2 pre-machining designation covers M16 threads in all core bores, D17V clearance holes in slots A/H and B/G, and LF and LF-S connections in the respective side slots - reducing on-site machining and assembly time. Cut-to-length supply runs from 170 mm to 6000 mm per piece.

- High area moment of inertia I_x 2138.3 cm⁴ - suited to heavy loads and long spans in the x-direction
- Section moduli W_x 237.6 cm³ and W_y 121 cm³ for reliable bending design in both principal axes
- Torsional moment of inertia I_t 429 cm⁴ and torsional section modulus W_t 64 cm³ for torsion-resistant assemblies
- Profile surface area A 63.6 cm² at 17.2 kg/m linear mass - efficient material use at high load capacity
- Anodized surface finish (natural color) for corrosion resistance in industrial and laboratory environments

TECHNICAL DATA

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Property	Value
Cross-section	90x180 mm
Profile type	Standard
Profile slot width	10 mm
Open slots	12
Modular dimension	45 mm
Length min.	170 mm
Length max.	6000 mm
Material	Aluminum, anodized
Color	Natural
Linear mass m	17.2 kg/m
Profile surface A	63.6 cm ²
Area moment of inertia I _x	2138.3 cm ⁴
Area moment of inertia I _y	544.3 cm ⁴
Section modulus W _x	237.6 cm ³
Section modulus W _y	121 cm ³
Torsional moment of inertia I _t	429 cm ⁴
Torsional section modulus W _t	64 cm ³
Pre-machining	M16 in all cores, D17V in slots A/H + B/G, LF in slots A/H + B/G, LF-S in slots D/K + E/J
Packaging unit	1 piece
Recommended accessories	Cover cap 90x90 black/signal gray, Cover cap with hole 90x90 black/signal gray