

Strebenprofil 90x180 M16/M16, Aluminium eloxiert, 12 Nuten, L 240-6000 mm - Bosch Rexroth 3842990418

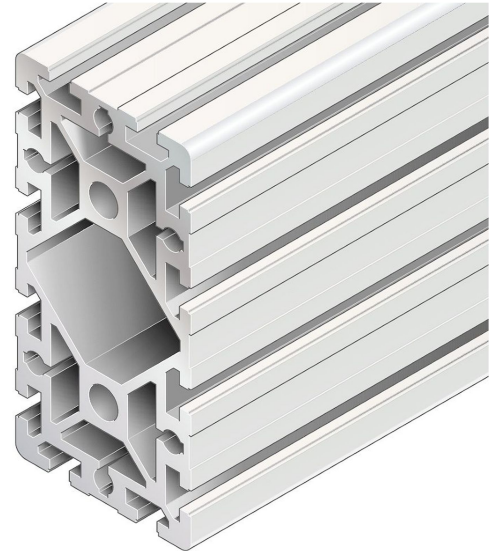
Item no. BRR-3842990418

Manufacturer Bosch Rexroth

Heavy-section aluminum strut profile with a 90x180 mm cross-section, 12 open slots, and M16 tapped cores for high-load frames, machine bases, and automation structures. The anodized profile is supplied cut to length (240 to 6000 mm) on a 45 mm modular grid, enabling versatile bolt-based assembly without additional machining.

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/M16 from Bosch Rexroth is a large-format aluminum structural profile designed for demanding load-bearing structures, machine frames, and industrial automation systems. With an area moment of inertia of 2138.3 cm⁴ in the x-direction and a moment of resistance of 237.6 cm³, it delivers high bending stiffness at a mass of 17.2 kg/m. M16 threads in all core holes, plus D17V, LF, and LF-S machining in the specified slots, provide a wide range of connection options straight from the factory.

- 12 open slots on a 45 mm modular grid for flexible connection placement
- Area moment of inertia I_x 2138.3 cm⁴ and I_y 544.3 cm⁴ for high bending and torsional rigidity
- M16 tapped cores throughout; D17V and LF in slots A/H and B/G; LF-S in slots D/K and E/J
- Cut-to-length from 240 to 6000 mm, packaging unit 1 piece
- Anodized aluminum, natural color - corrosion-resistant with a durable surface finish

TECHNICAL DATA

Property	Value
Cross-section	90x180 mm
Profile type	Standard
Modular dimension	45 mm

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Property	Value
Open slots	12
Profile slot	10
Length min / max	240 / 6000 mm
Mass	17.2 kg/m
Profile surface (A)	63.6 cm ²
Area moment of inertia I _x	2138.3 cm ⁴
Moment of resistance W _x	237.6 cm ³
Area moment of inertia I _y	544.3 cm ⁴
Moment of resistance W _y	121 cm ³
Torsional moment of inertia I _t	429 cm ⁴
Moment of torsion resistance W _t	64 cm ³
Profile machining	M16 in all core holes; D17V, LF in slots A/H, B/G; LF-S in slots D/K, E/J
Material	Aluminum, anodized
Color	Natural
Packaging unit	1
Recommended accessories	Cover cap 90x90 black, Cover cap 90x90 signal gray, Cover cap with hole 90x90 black, Cover cap with hole 90x90 signal gray