

Strut Profile 90x180 M16/M16, Anodized Aluminum, 12 Slots, L 240-6000 mm - Bosch Rexroth 3842990418

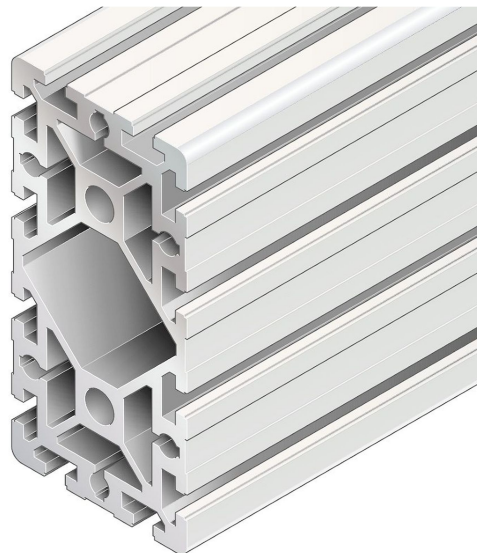
Item no. BRR-3842990418

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
HS-Code	76169990
Note	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



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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