

Strebenprofil 90x360 M16/M16, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842993435-1000

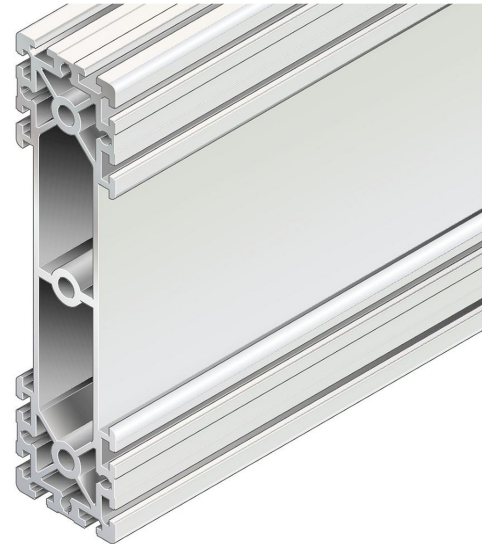
Item no. BRR-3842993435-1000

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with a 90x360 mm cross-section and M16 tapping in all core channels. Twelve open slots (slot size 10) on a 45 mm modular grid allow connections in any direction without additional machining. Designed for main load-bearing frames, portal structures, and heavy assembly systems.

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



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DESCRIPTION

The Bosch Rexroth Strut Profile 90x360 M16/M16 is an anodized aluminum structural profile for demanding load-bearing applications in mechanical and plant engineering. Its asymmetric 90x360 mm cross-section delivers an area moment of inertia of 14,065 cm⁴ in the x-direction, making it the right choice for main beams, portal frames, and press structures where bending stiffness in the primary load direction is critical.

- M16 tapping in all core channels - bolt directly without additional drilling or threading
- 12 open slots (slot size 10, 45 mm modular grid) for versatile connections on all faces
- Area moment of inertia I_x 14,065 cm⁴ / moment of resistance W_x 781.4 cm³ - high bending stiffness along the main axis
- Torsional moment of inertia I_t 937.1 cm⁴ / torsional moment of resistance W_t 117.6 cm³ - stable cross-section under torsional load
- Available in lengths from 240 mm to 6,000 mm; standard delivery length 1,000 mm
- Anodized aluminum (natural color) - corrosion-resistant, ready to install without further surface treatment

TECHNICAL DATA

Property	Value
Cross-section	90x360 mm
Profile type	Standard

Property	Value
Profile slot	Size 10
Open slots	12
Modular dimension	45 mm
Profile adaption	M16 in all core channels
Length (standard delivery)	1,000 mm
Length min.	240 mm
Length max.	6,000 mm
Mass	24.4 kg
Profile surface [A]	90.2 cm ²
Area moment of inertia I _x	14,065 cm ⁴
Moment of resistance W _x	781.4 cm ³
Area moment of inertia I _y	710 cm ⁴
Moment of resistance W _y	157.7 cm ³
Torsional moment of inertia I _t	937.1 cm ⁴
Torsional moment of resistance W _t	117.6 cm ³
Material	Aluminum, anodized
Color	Natural
Packaging unit	1