

Strebenprofil 90x180 M16/F2, 1000 mm - Bosch Rexroth 3842990419-1000

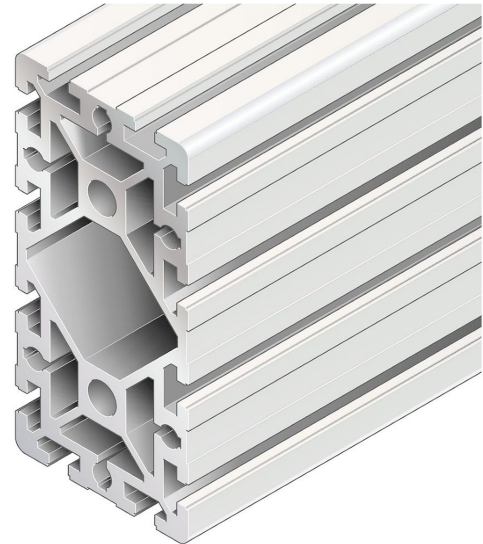
Item no. BRR-3842990419-1000

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with a 90x180 mm cross-section, 12 open slots and M16 tapping in all core channels. 45 mm modular pitch, fully compatible with the Bosch Rexroth aluminum profile system. Supplied at 1000 mm; custom lengths from 170 to 6000 mm available.

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 Strut Profile 90x180 M16/F2 is a structural aluminum profile designed for demanding machine-building and assembly-system applications. Its wide 90x180 mm cross-section delivers a high area moment of inertia ($I_x 2138.3 \text{ cm}^4$), handling substantial bending and torsional loads in frames, crossbeams and support structures where smaller profiles reach their limits.

- 12 open slots (slot size 10) on a 45 mm modular pitch - full accessory flexibility without additional drilling
- M16 tapping in all core channels plus D17 bores in slots A/H and B/G for direct bolted connections
- Longitudinal face milling (LF) in slots A/H and B/G, LF-S in slots D/K and E/J for form-fit connector options
- Anodized aluminum (color: natural) - corrosion-resistant, surface-hardened and ready to install without further treatment
- Supplied at 1000 mm; custom cut lengths from 170 to 6000 mm on request

TECHNICAL DATA

Property	Value
Cross-section	90x180 mm
Modular dimension	45 mm
Open slots	12

Property	Value
Profile slot size	10
Profile type	Standard
Profile adaption	M16 in all core channels; D17V in slots A/H, B/G; LF in slots A/H, B/G; LF-S in slots D/K, E/J
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 surface A	63.6 cm ²
Mass	17.2 kg/m
Material	Aluminum, anodized
Color	Natural
Length (this order)	1000 mm
Length min.	170 mm
Length max.	6000 mm
Packaging unit	1
Recommended accessories	Cover cap 90x90 black/signal gray, Cover cap with hole 90x90 black/signal gray