

Strebenprofil 90x180 M16/M16, 1000 mm - Aluminiumprofil für schwere Tragkonstruktionen - Bosch Rexroth 3842990418-1000

Item no. BRR-3842990418-1000

Manufacturer Bosch Rexroth

Heavy-duty aluminium strut profile with a 90x180 mm cross-section, M16 tapped cores in all axes, and 12 open slots for maximum connection flexibility. An area moment of inertia of 2138 cm⁴ (X) and 544 cm⁴ (Y) makes it the right choice for load-bearing frames, machine bases, and industrial structures in the Bosch Rexroth Assembly Technology System 90. Available in lengths from 240 mm to 6000 mm; this item is cut to 1000 mm, anodized aluminium, natural colour.

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

DESCRIPTION

The Strut Profile 90x180 M16/M16 is the highest-capacity rectangular profile in the Bosch Rexroth Assembly Technology Series 90. Its 90x180 mm cross-section combines twelve open slots with M16 threads in all core bores, delivering the structural rigidity and connection versatility required for demanding load-bearing frames, machine housings, and industrial platforms.

- Exceptional bending stiffness: area moment of inertia I_x 2138.3 cm⁴ / I_y 544.3 cm⁴ - suited to heavy structural loads in both axes
- M16 threads in all core bores plus D17V, LF, and LF-S machining in designated slots (A/H, B/G, D/K, E/J) allow direct bolted connections without additional inserts
- 12 open profile slots (slot 10) on a 45 mm grid enable flexible connections at any point along the profile
- Anodized aluminium (natural colour): corrosion-resistant, lightweight, and dimensionally stable
- Custom lengths from 240 mm to 6000 mm; supplied as individual piece

TECHNICAL DATA

Property	Value
Cross-section	90x180 mm
Profile type	Standard



Property	Value
Modular dimension	45 mm
Open slots	12
Profile slot	Slot 10
Profile machining	M16 in all core bores; D17V, LF in slots A/H, B/G; LF-S in slots D/K, E/J
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
Moment of resistance W _x	237.6 cm ³
Moment of resistance W _y	121 cm ³
Torsional moment of inertia I _t	429 cm ⁴
Torsional moment of resistance W _t	64 cm ³
Mass	17.2 kg/m
Material	Aluminium, anodized
Colour	Natural
Length min.	240 mm
Length max.	6000 mm
Length (this order)	1000 mm
Packaging unit	1 piece
Recommended accessories	Cover cap 90x90 black/signal gray, Cover cap with hole 90x90 black/signal gray