

Strebenprofil 45x180 M12/M12, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842990339-1000

Item no. BRR-3842990339-1000

Manufacturer Bosch Rexroth

Large-section strut profile with a 45x180 mm cross-section and ten open slots on a 45 mm grid, made from anodized aluminum. Pre-machined M12 threads in all core channels allow direct bolted connections with no additional drilling. Designed for load-bearing frames, machine bases, and structural supports in the Bosch Rexroth profile system.

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 45x180 M12/M12 is a large-format aluminum structural profile for load-bearing frames, machine bases, and support structures within the Bosch Rexroth modular assembly system. Ten open slots on a 45 mm grid provide broad compatibility with the full range of system connectors and accessories. Factory-machined M12 threads in all core channels, plus D17 and D17V bores in the slot faces, allow direct assembly without secondary machining.

- Ten open slots on a 45 mm modular grid for full system compatibility
- M12 threads in all core channels; D17 bores in slots B/J and E/G; D17V bores in slots A/F - ready to bolt, no rework needed
- High area moment of inertia in the x-direction (766.7 cm⁴) for strong bending resistance across long spans
- Anodized aluminum: corrosion-resistant, dimensionally stable, surface-finished as supplied
- Supplied at 1000 mm; custom lengths from 110 mm to 6000 mm available

TECHNICAL DATA

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

Property	Value
Open slots	10
Profile machining	M12 in all core channels; D17 in slots B/J, E/G; D17V in slots A/F
Material	Aluminum, anodized
Color	Natural
Length (this item)	1000 mm
Length min / max	110 mm / 6000 mm
Mass	6.9 kg/m
Profile surface [A]	25.5 cm ²
Area moment of inertia I _x	766.7 cm ⁴
Moment of resistance W _x	85.2 cm ³
Area moment of inertia I _y	57.3 cm ⁴
Moment of resistance W _y	25.5 cm ³
Torsional moment of inertia I _t	44.4 cm ⁴
Moment of torsion resistance W _t	17 cm ³
Packaging unit	1 piece
Recommended accessories	Cover cap 45x180 signal gray, Cover cap 45x180 black