

Strebenprofil 45x90 M12/M12, Aluminium eloxiert, 6 Nuten - Bosch Rexroth 3842990302

Item no. BRR-3842990302

Manufacturer Bosch Rexroth

Asymmetric strut profile 45x90 with six open slots (slot size 10) in anodized aluminum for load-bearing frames and guard structures in the Bosch Rexroth 45 mm modular system. Area moment of inertia I_x 124.6 cm⁴; cut-to-length supply from 110 mm to 6000 mm with M12 tapping in all core bores.

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	0.1 kg
Zolltarifnummer	76169990



DESCRIPTION

The Bosch Rexroth strut profile 45x90 M12/M12 is an asymmetric anodized aluminum section in the 45 mm grid with six open slots and a high area moment of inertia in the x-direction. It is designed for struts, structural frames, and machine guarding within the Bosch Rexroth assembly technology system.

- Six open slots (slot size 10) allow full flexibility for connecting brackets, profiles, and accessories on all faces.
- Area moment of inertia $I_x = 124.6 \text{ cm}^4$ and moment of resistance $W_x = 27.7 \text{ cm}^3$ provide high bending stiffness along the primary load axis.
- Anodized aluminum finish: corrosion-resistant, lightweight, and dimensionally stable - no additional surface treatment required.
- M12 and M16 tapping in all core bores; D17 bore in slots B/F and C/E; D17V bore in slots A/D.
- Cut-to-length from 110 mm to 6000 mm (per-cut pricing), supplied individually (packaging unit: 1).

TECHNICAL DATA

Property	Value
Cross-section	45x90 mm
Modular dimension	45 mm
Profile type	Standard

Property	Value
Open slots	6
Slot size	10
Material	Aluminum, anodized
Color	Natural
Length min (L min)	110 mm
Length max (L max)	6000 mm
Mass (m)	4.2 kg/m
Profile surface (A)	15.4 cm ²
Area moment of inertia I _x	124.6 cm ⁴
Moment of resistance W _x	27.7 cm ³
Area moment of inertia I _y	32.8 cm ⁴
Moment of resistance W _y	14.6 cm ³
Torsional moment of inertia I _t	15.4 cm ⁴
Moment of torsion resistance W _t	6.61 cm ³
Profile adaption	M12, M16 in all core bores; D17 in slots B/F, C/E; D17V in slots A/D
Recommended accessories	Cover cap 45x90 black/signal gray, Cover cap with hole 45x90 black/signal gray