

Strebenprofil 45x45 M12 aus eloxiertem Aluminium, 1000 mm - Bosch Rexroth 3842990517-1000

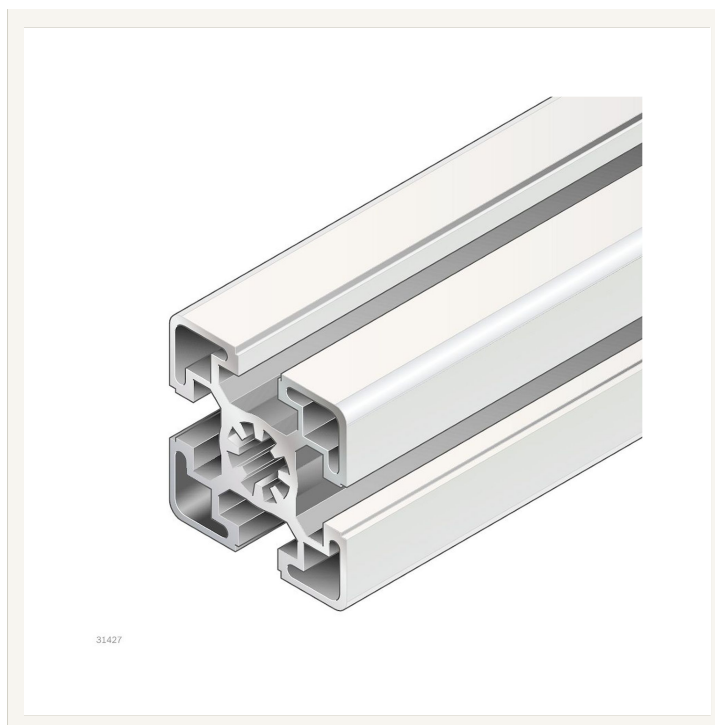
Item no. BRR-3842990517-1000

Manufacturer Bosch Rexroth

Strut profile 45x45 M12 in anodized aluminum for the Bosch Rexroth assembly system. Four open slots (slot width 10 mm) allow flexible connections in all directions using standard system hardware. Supplied at 1000 mm; custom lengths available from 60 to 6000 mm.

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 45x45 M12 strut profile is the structural backbone of the Bosch Rexroth modular assembly and transfer system. Four symmetrically arranged open slots (width 10 mm) on a 45 mm grid accept standard connectors, brackets, and accessories from the Rexroth system range in any orientation. The anodized aluminum surface provides lasting corrosion resistance with no additional coating required.

- Four open slots for connection flexibility in all axis directions
- Area moment of inertia $I_x = I_y = 13.8 \text{ cm}^4$ - symmetric load behavior in both axes
- Profile cross-section 7.5 cm^2 at 2 kg/m - high stiffness-to-weight ratio
- Scalable length from 60 to 6000 mm; this variant supplied at 1000 mm
- Anodized aluminum - corrosion-resistant and ready to install

TECHNICAL DATA

Specification	Value
Cross-section	45 x 45 mm
Modular dimension	45 mm
Open slots	4
Slot width	10 mm
Profile type	Standard

Specification	Value
Color	Natural (anodized)
Length (supplied)	1000 mm
Min. length	60 mm
Max. length	6000 mm
Material	Aluminum, anodized
Mass	2 kg/m
Profile surface area [A]	7.5 cm ²
Area moment of inertia I _x	13.8 cm ⁴
Area moment of inertia I _y	13.8 cm ⁴
Moment of resistance W _x	6.1 cm ³
Moment of resistance W _y	6.1 cm ³
Torsional moment of inertia [I _t]	2.65 cm ⁴
Moment of torsion resistance [W _t]	0.96 cm ³
Packaging unit	1 piece