

Strebenprofil 45x45L M12 Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842992426-1000

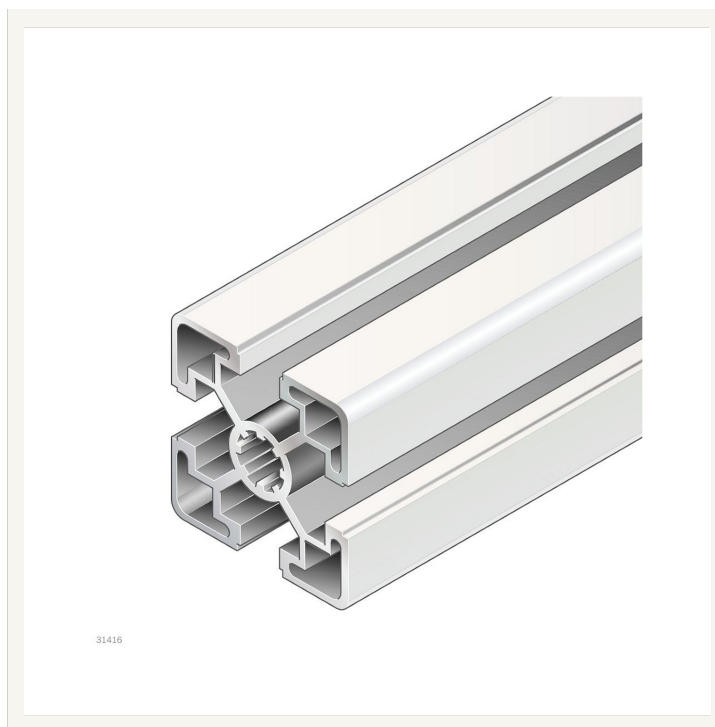
Item no. BRR-3842992426-1000

Manufacturer Bosch Rexroth

The 45x45L M12 strut profile in anodized aluminum is the core structural element for modular machine frames, workstations, and guards in the Bosch Rexroth Assembly Technology system. Four open slots (slot size 10 mm, modular dimension 45 mm) allow connections at any position without pre-drilling. Supplied cut to 1000 mm; custom lengths from 60 mm 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



DESCRIPTION

The 45x45L M12 strut profile is a symmetrical aluminum extrusion with a 45 mm modular grid, four open slots (slot size 10 mm), and a central M12 bore. It is the primary load-bearing component for protective enclosures, assembly stations, and machine structures within the Bosch Rexroth Aluminum Structural Framing system. This article is supplied at 1000 mm; cut-to-length service covers 60 mm to 6000 mm.

- Four open slots (size 10 mm) enable connector placement at any point along the profile without drilling
- Profile cross-section 6 cm² at 1.6 kg/m - favorable stiffness-to-weight ratio for structural frames
- Anodized surface finish provides corrosion resistance and easy cleaning in production environments
- Symmetric cross-section 45x45 mm: $I_x = I_y = 11.7 \text{ cm}^4$, $W_x = W_y = 5.2 \text{ cm}^3$ for equal load capacity in both axes
- Compatible with all Bosch Rexroth slot-10 / 45 mm pitch accessories and connectors

TECHNICAL DATA

Property	Value
Cross-section	45x45L
Profile type	Standard

Property	Value
Modular dimension	45 mm
Open slots	4
Profile slot	10 mm
Length (this article)	1000 mm
Length min / max	60 mm / 6000 mm
Material	Aluminum, anodized
Color	Natural
Profile surface [A]	6 cm ²
Mass [m]	1.6 kg/m
Area moment of inertia [$I_x = I_y$]	11.7 cm ⁴
Moment of resistance [$W_x = W_y$]	5.2 cm ³
Torsional moment of inertia [I_t]	1.46 cm ⁴
Moment of torsion resistance [W_t]	0.75 cm ³
Packaging unit	1