

Strebenprofil 45x45, 4 Nuten, Aluminium eloxiert, 70-6000 mm - Bosch Rexroth 3842992969

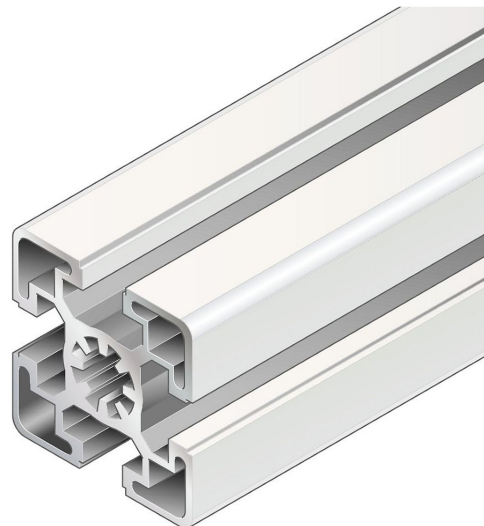
Item no. BRR-3842992969

Manufacturer Bosch Rexroth

Standard 45x45 mm strut profile in anodized aluminum with four open slots (slot width 10 mm) for the Rexroth assembly technology system. Modular dimension 45 mm; cut-to-length from 70 to 6000 mm. Area moment of inertia $I_x = I_y = 13.8 \text{ cm}^4$ and a mass of 2.0 kg/m make it a rigid yet lightweight basis for frames, guards, and conveyor structures.

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



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DESCRIPTION

The Bosch Rexroth 45x45 strut profile is an anodized aluminum section with a standard 45x45 mm cross-section and four open slots. It serves as the primary structural element in the Rexroth profile system, enabling tool-free connections via the slot-and-connector principle. Length is cut to order between 70 and 6000 mm, eliminating on-site trimming and reducing material waste.

- Four open slots (10 mm wide) on all faces - full freedom to position connectors and mounting hardware at any point along the profile
- 45 mm modular dimension - fully compatible with the complete Rexroth 45 series accessory range
- Anodized aluminum surface - corrosion-resistant, food-industry-compatible, and dimensionally stable long-term
- Cut-to-length service (70-6000 mm) - reduces stock-keeping and eliminates waste cuts on the shop floor
- Favorable stiffness-to-weight ratio: $I_x = I_y = 13.8 \text{ cm}^4$, mass 2.0 kg/m

TECHNICAL DATA

Property	Value
Cross-section	45x45 mm
Profile type	Standard
Open slots	4

boxic24.com

Keldersstr. 15

42697 Solingen, Deutschland

VAT ID: DE269659389

Phone: +49 212 38340680

shop@boxic24.com

boxic24.com

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Property	Value
Slot width	10 mm
Modular dimension	45 mm
Length min. (L min)	70 mm
Length max. (L max)	6000 mm
Material	Aluminum, anodized
Color	Natural
Mass (m)	2.0 kg/m
Profile surface (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
Torsional moment of resistance (W _t)	0.96 cm ³
Packaging unit	1 piece