

Strebenprofil 45x45, eloxiertes Aluminium, ESD-geeignet, variable Länge - Bosch Rexroth 3842990520

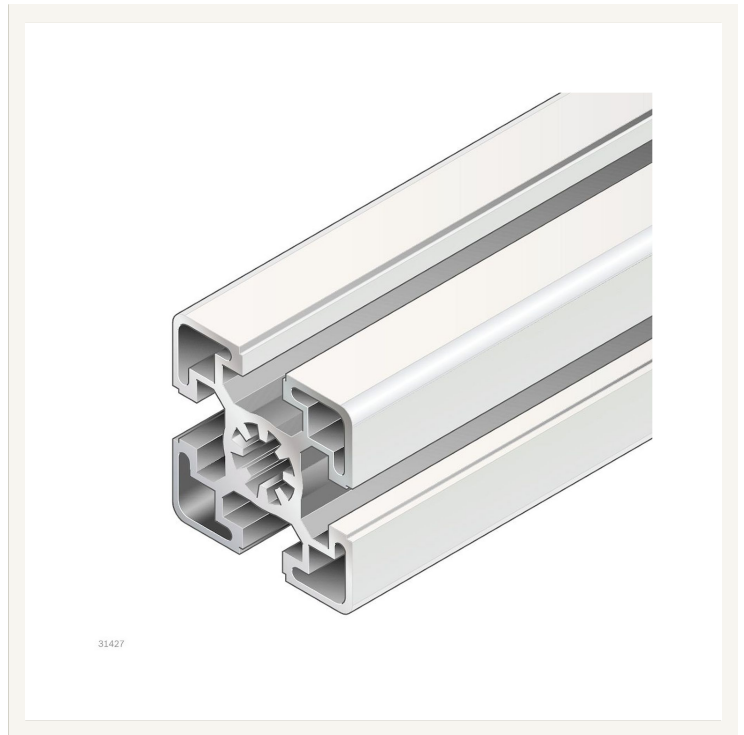
Item no. BRR-3842990520

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with a 45x45 mm cross-section, four open slots on a 45 mm grid, and a cut-to-length service from 50 mm to 6070 mm. ESD certification makes it a safe choice for electronics production and test environments. Fully compatible with the Bosch Rexroth assembly and transfer 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	0.1 kg
Zolltarifnummer	76042100



STANDARDS & COMPLIANCE

ESD safe IEC 61340

DESCRIPTION

The 45x45 strut profile in anodized aluminum is a core structural element of the Bosch Rexroth modular assembly system. Four open slots (slot width 10 mm) on a 45 mm grid allow connectors and accessories to be positioned anywhere along the profile without drilling. Supplied cut to the exact length specified at order - from 50 mm to 6070 mm - it eliminates off-cut waste and the need to stock standard lengths.

- Four open slots on all faces: connectors mount at any position, no drilling required
- Cut-to-length supply 50-6070 mm: order exactly what you need, no waste
- ESD-suitable: safe for use in electrostatic protected areas per IEC 61340
- Anodized surface: corrosion-resistant, wear-resistant, natural (silver) finish
- Symmetric cross-section ($I_x = I_y = 13.8 \text{ cm}^4$): equal stiffness in both axes simplifies frame design
- Profile surface 7.5 cm^2 at 2 kg/m : favorable stiffness-to-weight ratio for lightweight structures

TECHNICAL DATA

Property	Value
Cross-section	45 x 45 mm

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Property	Value
Modular dimension	45 mm
Profile type	Standard
Open slots	4
Slot width	10 mm
Length min.	50 mm
Length max.	6070 mm
Condition on delivery	Variable length (cut to order)
Material	Aluminum, anodized
Color	Natural
ESD-suitable	Yes
Mass	2 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
Moment of torsion resistance [W _t]	0.96 cm ³
Packaging unit	1