

Strebenprofil 45x45L, M12/D17, 1000 mm, Aluminium eloxiert, 4 Nuten - Bosch Rexroth 3842992960-1000

Item no. BRR-3842992960-1000

Manufacturer Bosch Rexroth

Strut profile 45x45L with M12/D17 machining in natural anodized aluminum for assembly frames, enclosures, and automation structures in the Rexroth profile system. Equal area moments of inertia in both axes ($I_x = I_y = 11.7 \text{ cm}^4$) suit symmetrically loaded constructions. Length 1000 mm, modular dimension 45 mm, 4 open slots.

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 strut profile (article 3842992960, length 1000 mm) is a load-bearing building block of the Bosch Rexroth profile system, used in assembly stations, protective enclosures, and industrial automation frames. The 45x45 mm symmetric cross-section with 4 open slots (slot width 10 mm, modular dimension 45 mm) accepts connectors on all faces at any position, without fixed drilling patterns.

- Equal area moments of inertia $I_x = I_y = 11.7 \text{ cm}^4$ - consistent stiffness in both axes for statically or dynamically loaded frames
- 4 open slots allow stepless connector placement on all four faces - no predetermined hole positions needed
- M12/D17 machining: ready for standard Rexroth system connectors, no additional tapping or drilling required
- Natural anodized aluminum - corrosion-resistant, lightweight, and surface-finished as supplied
- Available from L min 90 mm to L max 6000 mm - this article supplied at 1000 mm standard length

TECHNICAL DATA

Parameter	Value
Cross-section	45x45 mm (type 45x45L)
Profile type	Standard

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Parameter	Value
Modular dimension	45 mm
Open slots	4
Profile slot width	10 mm
Length (this article)	1000 mm
Min / max length	90 mm / 6000 mm
Material	Aluminum, anodized
Color	Natural
Mass	1.6 kg/m
Profile surface [A]	6 cm ²
Area moment of inertia I _x / I _y	11.7 cm ⁴ / 11.7 cm ⁴
Moment of resistance W _x / W _y	5.2 cm ³ / 5.2 cm ³
Torsional moment of inertia [I _t]	1.46 cm ⁴
Moment of torsion resistance [W _t]	0.75 cm ³
Profile machining	M12/D17
Packaging unit	1 piece