

Strebenprofil 45x45L 1N, Aluminium eloxiert, Rastermaß 45 mm - Bosch Rexroth 3842993738

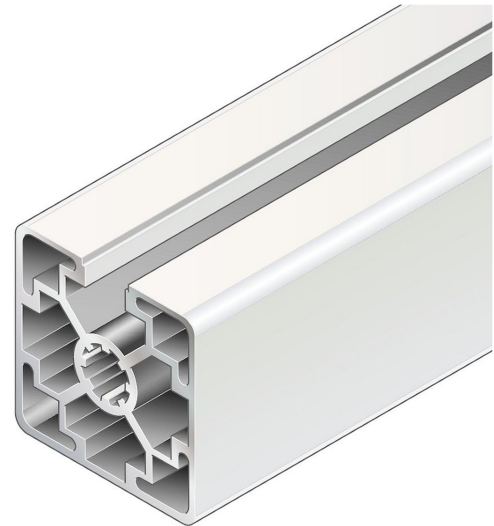
Item no. BRR-3842993738

Manufacturer Bosch Rexroth

Single-slot aluminum strut profile with 45x45 mm cross-section (type 1N) for the Bosch Rexroth 45 mm modular system. The anodized finish provides lasting corrosion resistance. Available cut to length from 50 to 6070 mm with standard and customized machining options.

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



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DESCRIPTION

The 45x45L 1N strut profile in anodized aluminum is a core structural element for frames, machine guards, and assembly stations built on the Bosch Rexroth Aluminum Structural System. The single open-slot cross-section (type 1N) suits corner and wall installations where a low-profile fit is required, while the 45 mm grid pitch ensures direct compatibility with all matching 45-series connectors and accessories.

- 45x45 mm cross-section, 10 mm slot width - directly compatible with the full Bosch Rexroth 45-series accessory range
- Anodized aluminum construction - corrosion-resistant, lightweight, and surface-stable for industrial environments
- Cut-to-length from 50 to 6070 mm - reduces material waste and on-site rework
- Standard machining M12 / D9.8 / D17 / DB17 available ex works; customized machining (DI, DIS, MT, MTS, MI, MIS, DG) on request
- Torsional moment of inertia 10 cm⁴, area moment of inertia I_x 12.6 cm⁴ / I_y 13.5 cm⁴ - adequate stiffness for load-bearing frame structures

TECHNICAL DATA

Parameter	Value
Cross-section	45x45 mm

Parameter	Value
Profile type	1N
Profile slot	10 mm
Modular dimension	45 mm
Open slots	1
Length min.	50 mm
Length max.	6070 mm
Mass	1.8 kg/m
Profile surface A	6.5 cm ²
Area moment of inertia I _x	12.6 cm ⁴
Area moment of inertia I _y	13.5 cm ⁴
Moment of resistance W _x	5.5 cm ³
Moment of resistance W _y	6.0 cm ³
Torsional moment of inertia I _t	10 cm ⁴
Moment of torsion resistance W _t	5.2 cm ³
Standard machining	M12 / D9.8 / D17 / DB17
Customized machining	DI / DIS / MT / MTS / MI / MIS / DG
Machining notice	DGmax = 45°, Lmin1 / Lmin2 = 378/456 mm
Material	Aluminum, anodized
Color	Natural
Packaging unit	1 piece