

Strebenprofil 45x45L 0N, Aluminium eloxiert, Nut 10, Rastermaß 45 mm - Bosch Rexroth 3842993761

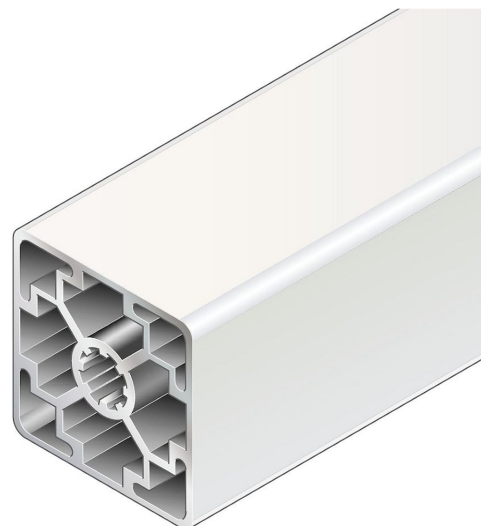
Item no. BRR-3842993761

Manufacturer Bosch Rexroth

Closed aluminum strut profile, cross-section 45x45 mm, type 0N with no open slots, for load-bearing frames and machine structures. Profile slot 10, modular dimension 45 mm, mass 1.8 kg/m, anodized surface. Available in custom lengths from 50 to 6070 mm with standard and customized finishing 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 Bosch Rexroth strut profile 45x45L 0N is a closed aluminum profile with no open slots, designed for load-bearing frames, support structures, and machine bases where a clean, uninterrupted outer surface is required. Profile slot 10 and the 45 mm modular dimension ensure full compatibility with the Rexroth connector and accessory system. The anodized finish (natural color) provides lasting corrosion resistance and easy cleaning. Standard finishing options (M12 / D9.8 / D17 / DB17) and customized finishing (DI / DIS / MT / MTS / MI / MIS / DG) are available subject to minimum length requirements; for miter cuts, $DG_{max} = 45^\circ$, $L_{min1} / L_{min2} = 378/456$ mm.

- No open slots - smooth outer surface for clean-room or safety-critical applications
- Mass 1.8 kg/m - favorable weight-to-stiffness ratio for structural use
- Area moment of inertia $I_x = I_y = 13.5 \text{ cm}^4$, section modulus $W_x = W_y = 6 \text{ cm}^3$ - fully symmetric behavior in x and y
- Torsional moment of inertia $I_t = 16.2 \text{ cm}^4$, torsion section modulus $W_t = 6.1 \text{ cm}^3$
- Delivery length 50 to 6070 mm, packaging unit 1 piece

TECHNICAL DATA

Parameter	Value
Cross-section	45x45 mm
Profile type	0N

Parameter	Value
Open slots	0
Profile slot	10
Modular dimension	45 mm
Profile surface [A]	6.7 cm ²
Mass [m]	1.8 kg/m
Area moment of inertia x [Ix]	13.5 cm ⁴
Area moment of inertia y [Iy]	13.5 cm ⁴
Moment of resistance x [Wx]	6 cm ³
Moment of resistance y [Wy]	6 cm ³
Torsional moment of inertia [It]	16.2 cm ⁴
Torsion section modulus [Wt]	6.1 cm ³
Length min [L min]	50 mm
Length max [L max]	6070 mm
Material	Aluminum, anodized
Color	Natural
Standard profile finishing	M12 / D9.8 / D17 / DB17
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG
Miter cut note	DGmax = 45°, Lmin1 / Lmin2 = 378/456 mm
Packaging unit	1 piece