

Strebenprofil 45x45L, 1000 mm, Aluminium eloxiert, 4 offene Nuten - Bosch Rexroth 3842993737-1000

Item no. BRR-3842993737-1000 **Manufacturer** Bosch Rexroth

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Extruded anodized aluminum strut profile, 45x45L cross-section with four open slots (slot width 10 mm) and a 45 mm modular grid. Supplied at 1000 mm; custom lengths from 50 mm to 6070 mm available with standard and custom profile finishing. Core structural element for assembly workstations, machine guards, and automation frames in the Bosch Rexroth profile system.

TECHNICAL DATA

Article authenticity	Original product
Condition of article	New
Country of Manufacture	Germany
ESD-Ausführung	TEC
Weight	0.0099 kg
Zolltarifnummer	76042100



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The 45x45L strut profile is an extruded anodized aluminum section (natural) with a symmetric 45x45 mm cross-section and four open slots (slot width 10 mm, modular dimension 45 mm). It serves as the primary load-bearing element for assembly workstations, machine enclosures, and automation

structures built on the Bosch Rexroth profile system. This unit is supplied at 1000 mm; cut-to-length orders from 50 mm to 6070 mm are available with a range of standard and customized finishing options.

- Four open slots allow connections and attachments on all four faces without repositioning the profile.
- Symmetric area moments of inertia ($I_x = I_y = 11.7 \text{ cm}^4$) simplify structural calculations for both axes.
- Standard profile finishing available: M12 / D9.8 / D17 / DB17 / F1(A) - minimum lengths apply.
- Customized finishing options: DI / DIS / MT / MTS / MI / MIS / DG ($DG_{\max} = 45^\circ$, $L_{\min 1}/L_{\min 2} = 378/456 \text{ mm}$).
- Anodized surface finish provides corrosion resistance and ease of cleaning in production environments.

Technical data

Property	Value
Cross-section	45x45L
Modular dimension	45 mm
Profile slot width	10 mm
Open slots	4
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
Supplied length	1000 mm
Length min / max	50 mm / 6070 mm
Mass	1.6 kg/m
Profile surface [A]	6 cm ²
Area moment of inertia I_x	11.7 cm ⁴
Area moment of inertia I_y	11.7 cm ⁴
Moment of resistance W_x	5.2 cm ³
Moment of resistance W_y	5.2 cm ³
Torsional moment of inertia [I_t]	1.46 cm ⁴
Moment of torsion resistance [W_t]	0.75 cm ³
Packaging unit	1 piece