

Strebenprofil 90x90L 4N, 1000 mm, Aluminium eloxiert - Bosch Rexroth 3842993628-1000

Item no. BRR-3842993628-1000

Manufacturer Bosch Rexroth

Structural strut profile 90x90L 4N in anodized aluminum for machine frames, protective enclosures, and assembly structures built with the Bosch Rexroth profile system. Four open slots (slot width 10 mm, modular dimension 45 mm) allow flexible attachment of connectors and accessories on all sides. Supplied at 1000 mm; custom cut lengths from 50 mm to 6070 mm are available.

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	76042100



DESCRIPTION

The 90x90L 4N strut profile is a core structural element of the Bosch Rexroth assembly technology system, combining high bending and torsional stiffness with the flexibility of a four-slot cross-section. It is suited to heavy-duty machine frames, safety guards, and modular workstation structures where load capacity and fast assembly matter.

- Four open longitudinal slots (width 10 mm) on all four faces - components mount at any position along the length without drilling.
- 45 mm modular dimension aligns precisely with Bosch Rexroth connectors, brackets, and profile accessories.
- Anodized aluminum (natural color) - corrosion-resistant, lightweight, and easy to machine or cut to length on site.
- Area moment of inertia $I_x = 227.4 \text{ cm}^4$ / $I_y = 214.7 \text{ cm}^4$; moment of resistance $W_x = 50.5 \text{ cm}^3$ / $W_y = 47.7 \text{ cm}^3$ for structurally demanding applications.
- Supplied at 1000 mm; cut-to-length available from 50 mm to 6070 mm.

TECHNICAL DATA

Property	Value
Cross-section	90x90 mm
Profile type	4N

Property	Value
Open slots	4
Profile slot width	10 mm
Modular dimension	45 mm
Supplied length	1000 mm
Length min / max	50 mm / 6070 mm
Material	Aluminum, anodized
Color	Natural
Mass	6.5 kg/m
Profile surface area (A)	24.2 cm ²
Area moment of inertia I _x	227.4 cm ⁴
Area moment of inertia I _y	214.7 cm ⁴
Moment of resistance W _x	50.5 cm ³
Moment of resistance W _y	47.7 cm ³
Torsional moment of inertia (I _t)	122 cm ⁴
Moment of torsion resistance (W _t)	22.2 cm ³
Packaging unit	1 piece
Recommended accessories	Cover cap 90x90L black, Cover cap 90x90L signal gray