

Strebenprofil 90x90L M12/D17LF, 1000 mm - eloxiertes Aluminiumprofil mit 8 Nuten - Bosch Rexroth 3842992419-1000

Item no. BRR-3842992419-1000

Manufacturer Bosch Rexroth

Square aluminum strut profile in 90x90L cross-section with 8 open slots, 45 mm modular dimension, and anodized surface. Pre-machined core bores (M12) and slot bores (D17/LF) allow direct assembly without additional drilling. Available in lengths from 90 to 6000 mm - suited for machine frames, protective enclosures, and industrial workstation structures.

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 90x90L strut profile is a symmetric aluminum section with a 90x90 mm cross-section, 8 open slots (slot width 10 mm), and a modular dimension of 45 mm. The anodized surface (natural color) provides corrosion resistance and a clean finish. Pre-machined M12 threads in all core bores and D17/LF bores in defined slots allow connectors and mounting components from the Bosch Rexroth assembly system to be installed directly. The profile is designed for load-bearing frame and strut structures, machine bases, safety enclosures, and industrial workstation systems.

- 8 open slots (10 mm width) for flexible connection of brackets, connectors, and accessories
- Pre-machined M12 core bores and D17/LF slot bores - no secondary machining required
- Symmetric 90x90 cross-section with high area moment of inertia ($I_x = I_y = 211.1 \text{ cm}^4$) for rigid structures
- Anodized aluminum surface - corrosion resistant and visually consistent
- Available in lengths from 90 to 6000 mm; this variant: 1000 mm

TECHNICAL DATA

Property	Value
Cross-section	90x90L
Dimensions	90x90 mm

Property	Value
Profile type	Standard
Open slots	8
Slot width	10 mm
Modular dimension	45 mm
Length (this variant)	1000 mm
Length min / max	90 mm / 6000 mm
Material	Aluminum, anodized
Color	Natural
Profile surface [A]	24.1 cm ²
Mass [m]	6.5 kg/m
Area moment of inertia I _x	211.1 cm ⁴
Area moment of inertia I _y	211.1 cm ⁴
Moment of resistance W _x	46.9 cm ³
Moment of resistance W _y	46.9 cm ³
Torsional moment of inertia [I _t]	82.1 cm ⁴
Moment of torsion resistance [W _t]	20.1 cm ³
Profile machining	M12 in all core bores; D17 in slots C/H, D/G; D17V in slots A/F, B/E; LF in slots C/H, D/G
Packaging unit	1
Recommended accessories	Cover cap 90x90L black, Cover cap 90x90L signal gray