

Strebenprofil 90x90L M12/M12 - Aluminiumprofil 90x90, eloxiert, 8 Nuten, Länge 110-6000 mm - Bosch Rexroth 3842992422

Item no. BRR-3842992422

Manufacturer Bosch Rexroth

The Strut Profile 90x90L M12/M12 is an anodized aluminum structural profile with 8 open slots and a 45 mm modular dimension. Pre-machined M12 tapped cores in all axes allow direct bolted assembly without additional machining. Typical applications include machine frames, guarding enclosures, and modular assembly systems built on the Bosch Rexroth profile system.

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	76169990



DESCRIPTION

The Strut Profile 90x90L M12/M12 (cross-section 90x90 mm) in anodized aluminum is the load-bearing backbone for heavy machine frames, protective enclosures, and conveyor structures within the Rexroth profile system. Eight open slots (slot size 10), a 45 mm modular dimension, and pre-machined M12 tapped holes in all cores - together with D17 and LF drillings in defined slots - allow direct integration into any Rexroth-compatible assembly without additional machining.

- 8 open slots (size 10) on all faces for flexible attachment of connectors, brackets, and accessories
- M12 tapped cores in all axes; D17 and LF drillings in defined slots - no post-machining required
- Area moment of inertia $I_x = I_y = 211.1 \text{ cm}^4$, moment of resistance $W_x = W_y = 46.9 \text{ cm}^3$ - high bending and torsional stiffness for demanding structural loads
- Available as cut-to-length from 110 mm to 6000 mm, packaging unit 1 piece
- Anodized aluminum, natural color - corrosion-resistant and ready for surface protection coatings

TECHNICAL DATA

Property	Value
Cross-section	90x90 mm
Profile type	90x90L, Standard

Property	Value
Modular dimension	45 mm
Open slots	8
Slot size	10
Profile surface (A)	24.1 cm ²
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
Min. length	110 mm
Max. length	6000 mm
Mass	6.5 kg/m
Material	Aluminum, anodized
Color	Natural
Profile machining	M12: all cores; D17: slots C/H, D/G; D17V: slots A/F, B/E; LF: slots C/H, D/G
Recommended accessories	Cover cap 90x90L black, cover cap 90x90L signal gray
Packaging unit	1 piece