

Strebenprofil 90x90L M12/M12, 1000 mm - Bosch Rexroth 3842992422-1000

Item no. BRR-3842992422-1000

Manufacturer Bosch Rexroth

Aluminum strut profile with 90x90L cross-section, 8 open slots and M12 tapping in all core bores - ready for direct assembly into Bosch Rexroth framing systems. Anodized finish for lasting corrosion resistance. Supplied at 1000 mm; available cut-to-length from 110 mm to 6000 mm.

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 high-rigidity aluminum structural member for machine frames, enclosures and load-bearing assemblies in the Bosch Rexroth assembly technology system. The symmetric 90x90 cross-section provides 8 open slots on a 45 mm grid, allowing connectors, brackets and panels to be attached on all four sides without additional drilling.

- 8 open slots (slot size 10) on a 45 mm modular grid - full connection flexibility on every face
- M12 threads in all core bores plus D17 and LF adaptations in defined slots - supplied machined and assembly-ready
- High bending stiffness: area moment of inertia $I_x = I_y = 211.1 \text{ cm}^4$, section modulus $W_x = W_y = 46.9 \text{ cm}^3$
- Anodized aluminum (natural color) - durable corrosion protection for industrial environments
- Profile cross-sectional area 24.1 cm^2 , mass 6.5 kg/m - favorable stiffness-to-weight ratio
- Supplied at 1000 mm; cut-to-length orders from 110 mm to 6000 mm (packaging unit: 1 piece)

TECHNICAL DATA

Property	Value
Cross-section	90x90L
Dimensions [mm]	90x90
Profile type	Standard

Property	Value
Modular dimension [mm]	45
Open slots	8
Profile slot	10
Length (this item) [mm]	1000
Length min [mm]	110
Length max [mm]	6000
Profile surface A [cm ²]	24.1
Mass m [kg/m]	6.5
Area moment of inertia I _x [cm ⁴]	211.1
Area moment of inertia I _y [cm ⁴]	211.1
Section modulus W _x [cm ³]	46.9
Section modulus W _y [cm ³]	46.9
Torsional moment of inertia I _t [cm ⁴]	82.1
Torsional section modulus W _t [cm ³]	20.1
Profile adaption	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
Material	Aluminum, anodized
Color	Natural
Packaging unit	1 piece
Recommended accessories	Cover cap 90x90L black, Cover cap 90x90L signal gray