

Strebenprofil 90x90L D17/- 1000 mm - Bosch Rexroth 3842992417-1000

Item no. BRR-3842992417-1000

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with 90x90L cross-section, 8 open slots, and D17 machining for load-bearing frames and assembly systems. Supplied anodized in natural finish at 1000 mm; custom lengths from 60 mm to 6000 mm available. Area moment of inertia 211.1 cm⁴ in both axes.

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 Bosch Rexroth 90x90L D17/- strut profile is a structural aluminum section for demanding machine frames, workstation structures, and industrial fixtures. Its 90x90 mm cross-section with eight open slots (slot size 10) and a 45 mm modular dimension integrates directly with the Bosch Rexroth aluminum profile system. This variant is supplied at 1000 mm; cut-to-length from 60 mm to 6000 mm is available.

- High bending stiffness: area moment of inertia $I_x = I_y = 211.1 \text{ cm}^4$ and section modulus $W_x = W_y = 46.9 \text{ cm}^3$ for equal performance in both axes
- Torsion-resistant: torsional moment of inertia $I_t = 82.1 \text{ cm}^4$, torsional section modulus $W_t = 20.1 \text{ cm}^3$
- Pre-machined for fast assembly: M12 tapped holes in all core bores; D17 bores in slots C/H and D/G; D17V bores in slots A/F and B/E; slots (LF) in slots C/H and D/G
- Corrosion-resistant anodized aluminum (natural color), profile cross-sectional area 24.1 cm²
- Compatible with cover caps 90x90L in black or signal gray

TECHNICAL DATA

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

Property	Value
Length (this variant) [mm]	1000
Length min / max [mm]	60 / 6000
Modular dimension [mm]	45
Profile slot	10
Open slots	8
Profile type	Standard
Profile surface A [cm ²]	24.1
Area moment of inertia I _x = I _y [cm ⁴]	211.1
Moment of resistance W _x = W _y [cm ³]	46.9
Torsional moment of inertia I _t [cm ⁴]	82.1
Torsional moment of resistance W _t [cm ³]	20.1
Mass m [kg/m]	6.5
Material	Aluminum, anodized
Color	Natural
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