

Strebenprofil 90x90L M12 - eloxiertes Aluminiumprofil mit 8 offenen Nuten - Bosch Rexroth 3842992416

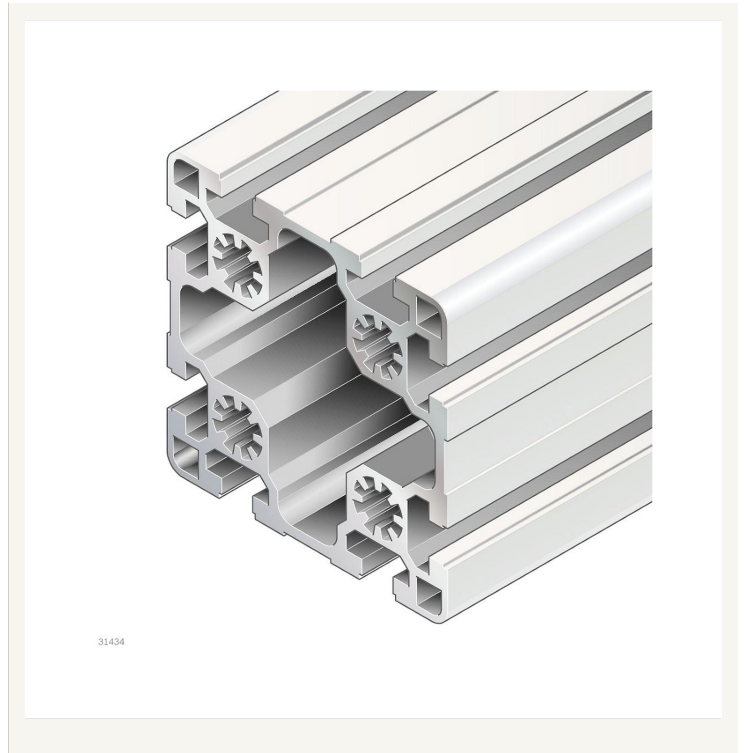
Item no. BRR-3842992416

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with a 90x90L cross-section, 8 open slots, and M12 tapped-core bores in all cores. The anodized standard profile with a 45 mm modular dimension is designed for load-bearing frame structures, machine enclosures, and industrial fixtures within the Bosch Rexroth profile system. Available cut-to-length from 60 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	0.1 kg
Zolltarifnummer	76169990



DESCRIPTION

The 90x90L strut profile is the heavy-duty standard section in the Bosch Rexroth aluminum profile system, providing the structural backbone for machine frames, protective guarding, and industrial assembly fixtures. With an area moment of inertia of 211.1 cm⁴ in both axes and a moment of resistance of 46.9 cm³, it delivers symmetric bending stiffness across the full 90x90 mm cross-section.

- 8 open slots (slot width 10 mm) on all four faces allow flexible connections without additional drilling or cutting
- M12 tapped-core bores in all cores - D17 bores in slots C/H and D/G, D17V in slots A/F and B/E, plus LF machining in slots C/H and D/G for direct bolt connections
- 45 mm modular dimension ensures full compatibility with all Bosch Rexroth 90-series connectors and accessories
- Anodized aluminum (natural) - corrosion-resistant, lightweight at 6.5 kg/m, and easy to machine on site
- Cut-to-length from 60 mm to 6000 mm, packaging unit 1 piece

TECHNICAL DATA

Property	Value
Cross-section	90x90L

Property	Value
Dimensions [mm]	90x90
Modular dimension [mm]	45
Open slots	8
Profile slot	10
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
Length min [mm]	60
Length max [mm]	6000
Packaging unit	1
Mass [m] [kg/m]	6.5
Profile surface [A] [cm ²]	24.1
Area moment of inertia I _x [cm ⁴]	211.1
Area moment of inertia I _y [cm ⁴]	211.1
Moment of resistance W _x [cm ³]	46.9
Moment of resistance W _y [cm ³]	46.9
Torsional moment of inertia I _t [cm ⁴]	82.1
Moment of torsion resistance W _t [cm ³]	20.1
Profile machining	M12 in all cores, D17 in slots C/H and D/G, D17V in slots A/F and B/E, LF in slots C/H and D/G
Recommended accessories	Cover cap 90x90L black, Cover cap 90x90L signal gray