

Strebenprofil 45x90L M12, 1000 mm, Aluminium eloxiert - Bosch Rexroth 3842992453-1000

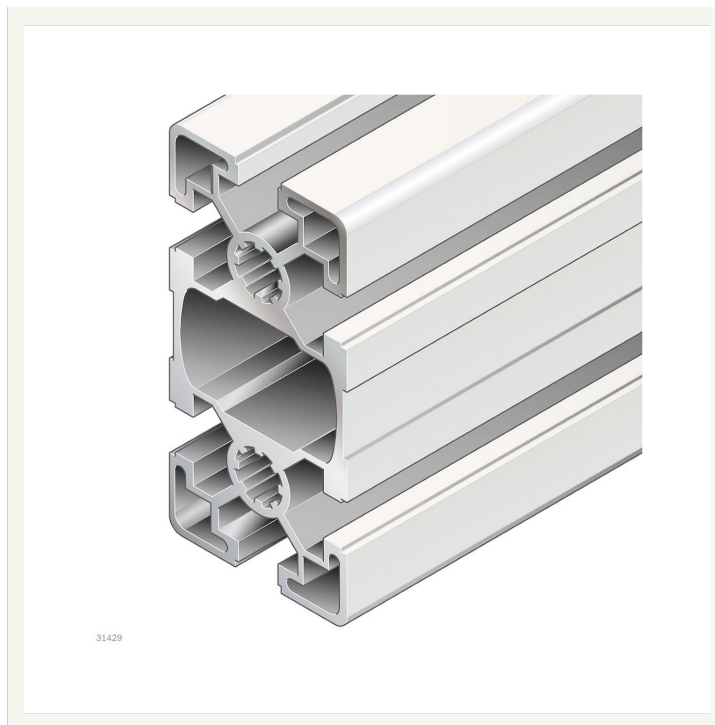
Item no. BRR-3842992453-1000

Manufacturer Bosch Rexroth

Asymmetric strut profile 45x90L with M12 core-bore machining and 6 open slots on the 45 mm grid. Anodized aluminum, natural finish, cut to 1000 mm, compatible with the Bosch Rexroth profile system 45. Suited for load-bearing frames, machine guarding, and modular assembly 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 45x90L strut profile (article 3842992453-1000) is an asymmetric aluminum extrusion on the 45 mm modular grid, offering six open slots and pre-machined M12 core bores. Its higher area moment of inertia in the x-direction (82 cm⁴) makes it the right choice where a standard 45x45 square profile lacks the required bending stiffness.

- Area moment of inertia $I_x = 82 \text{ cm}^4$ - resists bending in the primary load direction
- 6 open slots on all faces - attach T-nuts, connectors, and accessories without disassembly
- M12 core bores in all cores; D17 bores in slots B/F and C/E; D17V and LF in slots A/D - flexible connection options
- Anodized surface - corrosion-resistant and ready to install without further finishing
- Supplied at 1000 mm; available cut-to-length from 60 mm to 6000 mm

TECHNICAL DATA

Property	Value
Cross-section	45x90L
Dimensions	45x90 mm
Modular dimension	45 mm
Profile type	Standard
Open slots	6

Property	Value
Profile slot	Slot 10
Length (this order)	1000 mm
Min / max length	60 mm / 6000 mm
Profile machining	M12: all cores; D17: slots B/F, C/E; D17V + LF: slots A/D
Material	Aluminum, anodized
Color	Natural
Profile surface [A]	11.3 cm ²
Area moment of inertia [Ix]	82 cm ⁴
Area moment of inertia [Iy]	23.6 cm ⁴
Moment of resistance [Wx]	18.2 cm ³
Moment of resistance [Wy]	10.5 cm ³
Torsional moment of inertia [It]	15.1 cm ⁴
Moment of torsion resistance [Wt]	4.4 cm ³
Mass	3 kg/m
Packaging unit	1 piece