

Strebenprofil 45x90 M12, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842990301-1000

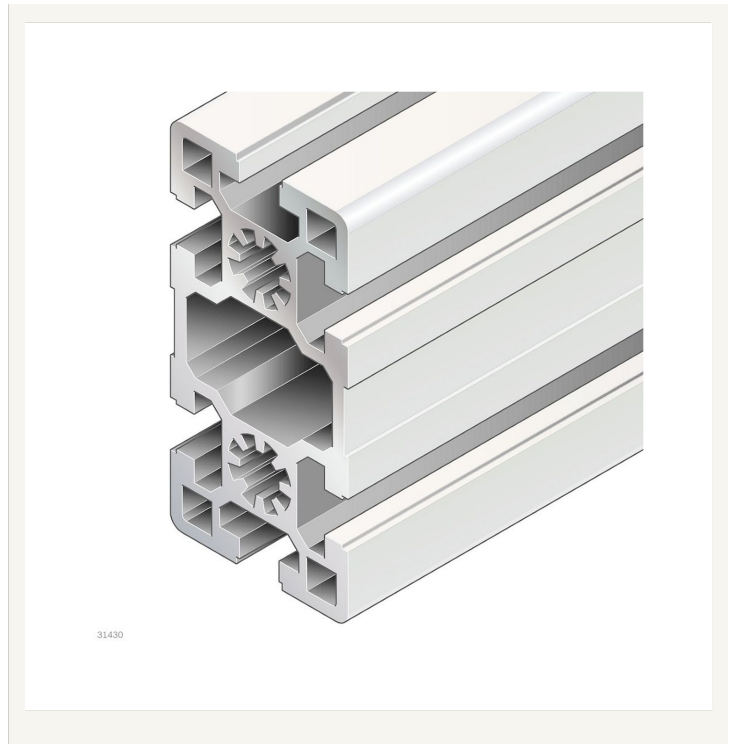
Item no. BRR-3842990301-1000

Manufacturer Bosch Rexroth

Rectangular strut profile 45x90 with 6 open slots (slot width 10 mm) in anodized aluminum for building rigid machine frames, guards, and workstation structures. The 45 mm modular grid profile delivers high bending stiffness in the x-direction ($I_x = 124.6 \text{ cm}^4$) and is available cut to length from 60 to 6000 mm. Pre-machined M12 and M16 cores allow tool-minimal connection with standard Rexroth assembly technology.

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 strut profile 45x90 M12 extends the modular assembly system 45 with a rectangular cross-section suited to frames, protective enclosures, and workstations where high stiffness in one principal direction is required. The anodized aluminum profile weighs 4.2 kg/m and can be cut to any length between 60 and 6000 mm.

- 6 open slots (width 10 mm) on all faces for maximum connection flexibility without repositioning
- High bending stiffness in x-direction: area moment of inertia $I_x = 124.6 \text{ cm}^4$, moment of resistance $W_x = 27.7 \text{ cm}^3$
- Pre-machined cores for M12 and M16 in all core positions; D17 in slots B/F and C/E; D17V in slots A/D - no pre-drilling required
- 45 mm modular dimension: fully compatible with the complete Rexroth Assembly System 45 range
- Anodized aluminum surface (color: natural) - corrosion-resistant, smooth for T-nuts, durable in industrial environments

TECHNICAL DATA

Property	Value
Cross-section	45 x 90 mm
Modular dimension	45 mm

Property	Value
Profile type	Standard
Open slots	6
Slot width	10 mm
Delivery length (this item)	1000 mm
Length min / max	60 mm / 6000 mm
Material	Aluminum, anodized
Color	Natural
Mass	4.2 kg/m
Profile surface [A]	15.4 cm ²
Area moment of inertia X [Ix]	124.6 cm ⁴
Area moment of inertia Y [Iy]	32.8 cm ⁴
Moment of resistance X [Wx]	27.7 cm ³
Moment of resistance Y [Wy]	14.6 cm ³
Torsional moment of inertia [It]	15.4 cm ⁴
Moment of torsion resistance [Wt]	6.61 cm ³
Profile machining	M12, M16: all cores; D17: slots B/F, C/E; D17V: slots A/D
Packaging unit	1 piece