

Strebenprofil 45x90 M12/D17, 1000 mm - Bosch Rexroth 3842990323-1000

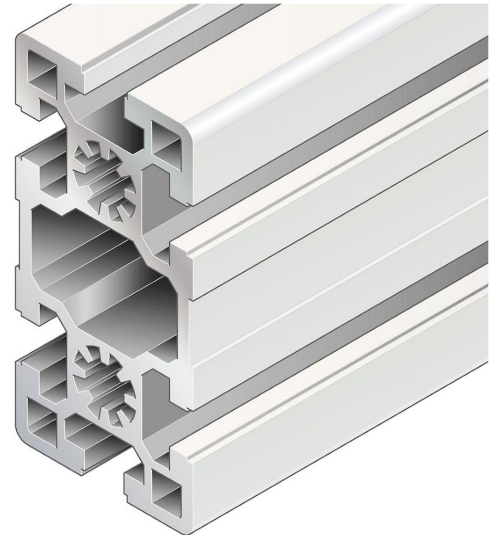
Item no. BRR-3842990323-1000

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with a 45x90 mm cross-section, 6 open slots, 45 mm modular dimension, and pre-machined M12, M16, and D17 bores. A load-bearing building block for assembly stations, machine guards, and transport frames within the Bosch Rexroth profile system. Cut to 1000 mm; available lengths range from 90 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



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DESCRIPTION

The strut profile 45x90 M12/D17 in anodized aluminum is a core structural element of the Bosch Rexroth modular assembly system, suited for building workstations, enclosures, protective guards, and conveyor frames. The asymmetric 45x90 mm cross-section delivers high bending stiffness in the primary load direction ($I_x = 124.6 \text{ cm}^4$) while keeping material cross-section compact ($A = 15.4 \text{ cm}^2$).

- 6 open slots (slot width 10 mm) on all faces allow connectors, brackets, and accessories to be added or repositioned without disassembly.
- 45 mm modular dimension ensures full compatibility with the entire Bosch Rexroth 45-series range.
- Factory-machined: M12 and M16 threads in all core bores, D17 clearance holes in slots B/F and C/E, D17V in slots A/D - no on-site drilling required.
- Anodized surface (natural color) provides lasting corrosion resistance and a clean appearance for exposed structures.
- Standard profile type; available from 90 mm to 6000 mm, this item supplied at 1000 mm.

TECHNICAL DATA

Property	Value
Cross-section	45x90 mm
Modular dimension	45 mm

Property	Value
Profile type	Standard
Open slots	6
Profile slot width	10 mm
Length (this item)	1000 mm
Length min / max	90 mm / 6000 mm
Material	Aluminum, anodized
Color	Natural
Profile surface [A]	15.4 cm ²
Area moment of inertia [Ix]	124.6 cm ⁴
Area moment of inertia [Iy]	32.8 cm ⁴
Moment of resistance [Wx]	27.7 cm ³
Moment of resistance [Wy]	14.6 cm ³
Torsional moment of inertia [It]	15.4 cm ⁴
Moment of torsion resistance [Wt]	6.61 cm ³
Mass [m]	4.2 kg
Profile machining	M12, M16: all core bores; D17: slots B/F, C/E; D17V: slots A/D
Packaging unit	1 piece