

Strebenprofil 45x90 D17/D17, 1000 mm, Aluminium eloxiert, 6 Nuten - Bosch Rexroth 3842990313-1000

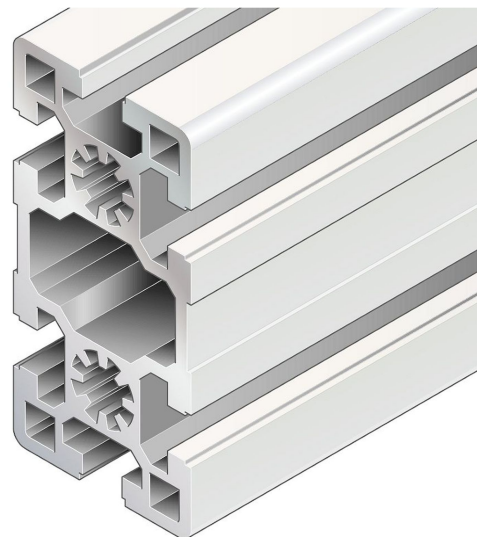
Item no. BRR-3842990313-1000

Manufacturer Bosch Rexroth

Strut profile 45x90 with D17/D17 drilling pattern for high transverse loads in assembly frames and machine structures. Anodized aluminum profile on the 45 mm grid, six open slots, supplied at 1000 mm. Cut-to-length available from 80 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 45x90 D17/D17 strut profile from Bosch Rexroth extends the 45 mm modular system with a rectangular cross-section suited to applications where a square profile lacks sufficient bending stiffness in the primary load direction. The area moment of inertia of 124.6 cm⁴ in the x-direction provides significantly greater rigidity than the equivalent 45x45 profile while remaining fully grid-compatible.

- Six open profile slots (slot width 10 mm) for T-slot nuts, angle brackets and mounting plates on all faces
- D17 bores in slots B/F and C/E, D17V bores in slots A/D for direct bolted connections without additional machining
- M12 and M16 threads can be prepared in all core holes
- Anodized aluminum - corrosion resistant, lightweight and dimensionally stable
- Available cut to length from 80 mm to 6000 mm; standard unit 1000 mm

TECHNICAL DATA

Parameter	Value
Cross-section	45 x 90 mm
Modular dimension	45 mm
Slot width	10 mm

Parameter	Value
Open slots	6
Profile type	Standard
Color	Natural (anodized)
Material	Aluminum, anodized
Mass	4.2 kg/m
Profile surface [A]	15.4 cm ²
Area moment of inertia X [Ix]	124.6 cm ⁴
Moment of resistance X [Wx]	27.7 cm ³
Area moment of inertia Y [Iy]	32.8 cm ⁴
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
Length (this item)	1000 mm
Length min / max	80 mm / 6000 mm
D17 machining	Slots B/F, C/E
D17V machining	Slots A/D
Packaging unit	1 piece