

Strebenprofil 45x90 D17 - eloxiertes Aluminiumprofil mit 6 Nuten - Bosch Rexroth 3842990329

Item no. BRR-3842990329

Manufacturer Bosch Rexroth

The 45x90 D17 strut profile is an anodized aluminum standard profile from the Bosch Rexroth modular framing system, featuring six open slots on a 45 mm grid. With an area moment of inertia of 124.6 cm⁴ in the x-direction, it delivers strong bending resistance for machine frames, workstations, and guarding structures. Cut-to-length supply from 60 to 6000 mm; M12/M16 machining in all core channels, D17 in slots B/F and C/E.

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 Bosch Rexroth strut profile 45x90 D17 is a high-rigidity structural section designed for modular machine frames, safety enclosures, and industrial workstations. Its asymmetric 45x90 mm cross-section provides notably higher bending stiffness in the x-direction compared to a square 45x45 profile, making it the right choice wherever vertical loads or spanning lengths demand greater resistance.

- Six open slots (slot size 10, modular pitch 45 mm) allow connections on every face without additional machining
- Pre-machined for M12 and M16 fasteners in all core channels; D17 bores in slots B/F and C/E for standard Rexroth connectors
- Custom cut-to-length from 60 mm to 6000 mm, supplied per piece - no minimum order length
- Anodized aluminum surface: corrosion-resistant, easy to clean, natural color
- Compatible end caps available in black and signal gray, with or without cable entry hole

TECHNICAL DATA

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

Property	Value
Profile type	Standard
Open slots	6
Profile slot size	10
Material	Aluminum, anodized
Color	Natural
Length min. (L min)	60 mm
Length max. (L max)	6000 mm
Mass (m)	4.2 kg/m
Profile surface (A)	15.4 cm ²
Area moment of inertia x (I _x)	124.6 cm ⁴
Area moment of inertia y (I _y)	32.8 cm ⁴
Moment of resistance x (W _x)	27.7 cm ³
Moment of resistance y (W _y)	14.6 cm ³
Torsional moment of inertia (I _t)	15.4 cm ⁴
Moment of torsion resistance (W _t)	6.61 cm ³
Profile machining	M12, M16 in all core channels; D17 in slots B/F, C/E; D17V in slots A/D
Packaging unit	1 piece