

Strebenprofil 45x90 D17/D17V, Aluminium eloxiert, 6 Nuten - Bosch Rexroth 3842990311-1000

Item no. BRR-3842990311-1000

Manufacturer Bosch Rexroth

Strut profile with 45x90 mm cross-section in anodized aluminum, featuring 6 open slots and a 45 mm modular dimension. Designed for modular assembly of workstations, machine guards, and conveyor frames within the Bosch Rexroth profile system. Available in lengths from 80 mm to 6000 mm, cut to size on request.

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 D17/D17V is an anodized aluminum structural profile with 6 open slots and a 45 mm modular dimension. It is the core element for building assembly fixtures, workbenches, protective enclosures, and conveyor structures without welding. Pre-machined bores (M12, M16 in all core channels; D17 in slots B/F and C/E; D17V in slots A/D) allow fast, tool-compatible connections using standard Bosch Rexroth connectors.

- 45x90 mm cross-section with 6 open slots - maximum connector flexibility on all faces
- Anodized aluminum - corrosion resistant, hard-wearing surface, low weight
- Area moment of inertia $I_x = 124.6 \text{ cm}^4$, $W_x = 27.7 \text{ cm}^3$ - high bending stiffness in the primary load direction
- Profile surface 15.4 cm^2 , mass 4.2 kg/m - favorable stiffness-to-weight ratio
- Lengths from 80 mm to 6000 mm, packaging unit 1 piece

TECHNICAL DATA

Property	Value
Cross-section	45x90 mm
Modular dimension	45 mm
Open slots	6
Profile slot	10

Property	Value
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
Length min	80 mm
Length max	6000 mm
Mass	4.2 kg/m
Profile surface (A)	15.4 cm ²
Area moment of inertia I _x	124.6 cm ⁴
Moment of resistance W _x	27.7 cm ³
Area moment of inertia I _y	32.8 cm ⁴
Moment of resistance 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 adaption	M12, M16: all core channels; D17: slots B/F, C/E; D17V: slots A/D
Packaging unit	1 piece
Recommended accessories	Cover cap 45x90 black/signal gray, Cover cap with hole 45x90 black/signal gray