

Strebenprofil 45x180 D17/D17 - Bosch Rexroth 3842990342

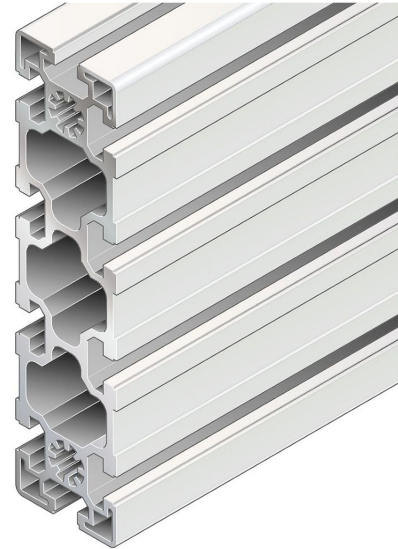
Item no. BRR-3842990342

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with a 45x180 mm cross-section and 10 open slots on a 45 mm modular grid. Pre-machined with M12 threads in all core holes plus D17 and D17V bores in defined slots, ready to assemble without further machining. Available cut-to-length from 80 mm to 6000 mm, natural color.

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



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DESCRIPTION

The Strut Profile 45x180 D17/D17 is an anodized aluminum structural profile from the Bosch Rexroth assembly system. Its 45x180 mm cross-section and 10 open slots on a 45 mm grid make it the right choice for machine frames, guarding structures, and load-bearing assemblies where high bending stiffness about the x-axis is the governing requirement.

- High bending stiffness: area moment of inertia $I_x = 766.7 \text{ cm}^4$, moment of resistance $W_x = 85.2 \text{ cm}^3$
- Factory-machined: M12 threads in all core holes, D17 bores in slots B/J and E/G, D17V bores in slots A/F - no secondary machining needed
- 10 open slots for flexible attachment of connectors, fasteners, and add-on components
- Anodized aluminum: corrosion-resistant, lightweight, and dimensionally stable
- Cut-to-length service: any length from 80 mm to 6000 mm, packaging unit 1 piece

TECHNICAL DATA

Property	Value
Cross-section	45x180 mm
Modular dimension	45 mm
Open slots	10
Profile type	Standard

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Page 1/2

Property	Value
Profile slot	10
Material	Aluminum, anodized
Color	Natural
Length min (L min)	80 mm
Length max (L max)	6000 mm
Mass (m)	6.9 kg/m
Profile surface (A)	25.5 cm ²
Area moment of inertia X (I _x)	766.7 cm ⁴
Moment of resistance X (W _x)	85.2 cm ³
Area moment of inertia Y (I _y)	57.3 cm ⁴
Moment of resistance Y (W _y)	25.5 cm ³
Torsional moment of inertia (I _t)	44.4 cm ⁴
Moment of torsion resistance (W _t)	17 cm ³
Profile machining	M12 in all core holes; D17 in slots B/J, E/G; D17V in slots A/F
Recommended accessories	Cover cap 45x180 signal gray, Cover cap 45x180 black
Packaging unit	1 piece