

Strebenprofil 45x180 D17/D17, eloxiertes Aluminium, 1000 mm - Bosch Rexroth 3842990342-1000

Item no. BRR-3842990342-1000

Manufacturer Bosch Rexroth

Extruded anodized aluminum strut profile with a 45x180 mm cross-section, 10 open slots on a 45 mm grid, and factory-machined D17 bores in slots B/J and E/G plus D17V in slots A/F. Designed for load-bearing frame and conveyor structures in assembly and automation systems. Standard length 1000 mm, 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



DESCRIPTION

The 45x180 D17/D17 strut profile in anodized aluminum delivers high bending stiffness in the x-direction ($I_x = 766.7 \text{ cm}^4$) across a wide cross-section, making it the right choice for primary load-bearing members in assembly lines, machine frames, and automation structures. Ten open slots on a 45 mm modular grid allow free positioning of connectors and fixtures without drilling or disassembly.

- High bending stiffness: area moment of inertia $I_x = 766.7 \text{ cm}^4$ and moment of resistance $W_x = 85.2 \text{ cm}^3$ for demanding structural applications
- Ten open slots (slot size 10) on a 45 mm grid - mount and reposition components at any point along the profile
- Factory-machined: M12 tapped holes in all core pulls, D17 bores in slots B/J and E/G, D17V bores in slots A/F
- Anodized aluminum surface - corrosion-resistant, wear-resistant, and electrically insulating
- Flexible cut-to-length: standard 1000 mm, orderable from 80 mm to 6000 mm
- Profile surface 25.5 cm^2 , mass 6.9 kg/m - favorable stiffness-to-weight ratio

TECHNICAL DATA

Property	Value
Cross-section	45x180 mm
Modular dimension	45 mm

Property	Value
Open slots	10
Slot size	10
Profile type	Standard
Color	Natural (anodized)
Length (this order)	1000 mm
Length min / max	80 mm / 6000 mm
Profile machining	M12 in all core pulls; D17 in slots B/J, E/G; D17V in slots A/F
Material	Aluminum, anodized
Mass [m]	6.9 kg/m
Profile surface [A]	25.5 cm ²
Area moment of inertia I _x	766.7 cm ⁴
Moment of resistance W _x	85.2 cm ³
Area moment of inertia I _y	57.3 cm ⁴
Moment of resistance 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
Packaging unit	1 piece
Recommended accessories	Cover cap 45x180 signal gray, Cover cap 45x180 black