

Strebenprofil 45x180, eloxiertes Aluminium, ESD- geeignet, variable Länge 50-6070 mm - Bosch Rexroth 3842990335

Item no. BRR-3842990335

Manufacturer Bosch Rexroth

The 45x180 strut profile in anodized aluminium delivers high bending stiffness - area moment of inertia $I_x = 766.7 \text{ cm}^4$ in the x-direction - for load-bearing frame structures. ESD-suitable, supplied cut-to-length between 50 mm and 6070 mm, with 10 open slots on the 45 mm modular grid for flexible connector placement.

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	76042100

STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The Bosch Rexroth 45x180 strut profile is an asymmetric aluminium profile designed for demanding load-bearing structures in mechanical and plant engineering. Based on the 45 mm modular dimension, it integrates directly into the Bosch Rexroth profile system and is delivered cut to the required length between 50 mm and 6070 mm.

- High bending stiffness in the primary load direction: area moment of inertia $I_x = 766.7 \text{ cm}^4$, moment of resistance $W_x = 85.2 \text{ cm}^3$.
- ESD-suitable as supplied - ready for use in electrostatic protected areas (EPA) without additional treatment.
- 10 open profile slots allow continuous, tool-free positioning of connectors, brackets and accessories along the full profile length.
- Anodized aluminium surface (color: natural) - corrosion-resistant, wear-resistant and visually clean.
- Cut-to-length supply: custom lengths from 50 mm to 6070 mm, packaging unit 1 piece.



TECHNICAL DATA

Property	Value
Cross-section	45 x 180 mm
Modular dimension	45 mm
Profile type	Standard
Open slots	10
Profile slot	10
Length min. (L min)	50 mm
Length max. (L max)	6070 mm
Mass	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 pulls; D17 in slots B/J, E/G; D17V in slots A/F
Material	Aluminum, anodized
Color	Natural
ESD	Yes
Packaging unit	1 piece
Recommended accessories	Cover cap 45x180 signal gray, Cover cap 45x180 black