

Strut Profile 50x100L D17/D17V, Anodized Aluminum, 6 Slots, L 80-6000 mm - Bosch Rexroth 3842993168

Item no. BRR-3842993168

Manufacturer Bosch Rexroth

Asymmetric aluminum strut profile with a 50x100L cross-section and 6 open slots (modular dimension 50 mm) for building load-bearing assembly frames and protective structures. The anodized profile is cut to length on order (80 to 6000 mm) and priced per cut length. High bending stiffness in the x-direction ($I_x = 162.8 \text{ cm}^4$) makes it the structural backbone in strut and frame assemblies.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
HS-Code	76169990
Note	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



DESCRIPTION

The Strut Profile 50x100L D17/D17V from Bosch Rexroth is an asymmetric anodized aluminum profile with six open slots, designed for struts, frames, and load-bearing structures in mechanical and plant engineering. The profile is supplied cut to length (80 to 6000 mm) and priced accordingly - linear mass is 4.6 kg/m.

- Six open slots (modular dimension 50 mm) allow flexible connections in all directions without additional machining.
- Anodized aluminum surface provides lasting corrosion protection and is clean and ready to install as delivered.
- High area moment of inertia in the x-direction ($I_x = 162.8 \text{ cm}^4$, $W_x = 32.6 \text{ cm}^3$) delivers above-average bending stiffness for the profile width.
- Cut length freely selectable from 80 mm to 6000 mm - no requirement to order full bars.
- Compatible with the Bosch Rexroth 50 mm profile system; recommended accessories are cover caps 50x50 (black or signal gray, with and without hole).

TECHNICAL DATA

Property	Value
Cross-section	50x100L

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Property	Value
Profile type	Standard
Profile slot	10
Modular dimension	50 mm
Open slots	6
Length min / max	80 mm / 6000 mm
Material	Aluminum, anodized
Color	Natural
Mass [m]	4.6 kg/m
Profile surface [A]	17.2 cm ²
Area moment of inertia I _x	162.8 cm ⁴
Moment of resistance W _x	32.6 cm ³
Area moment of inertia I _y	42.6 cm ⁴
Moment of resistance W _y	17.0 cm ³
Torsional moment of inertia I _t	29.43 cm ⁴
Moment of torsion resistance W _t	10.7 cm ³
Packaging unit	1