

Strut Profile 45x135L 5N, Anodized Aluminum, 5 Slots, up to 6070 mm - Bosch Rexroth 3842993530

Item no. BRR-3842993530

Manufacturer Bosch Rexroth

Strut profile with cross-section 45x135L 5N in anodized aluminum for load-bearing frame structures on the 45 mm modular grid. Five open slots (10 mm slot width) and variable cut-to-length delivery from 50 mm to 6070 mm allow flexible integration into existing assemblies.

TECHNICAL DATA

Country of Manufacture	Germany
HS-Code	76042100
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	11.5 kg



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The Bosch Rexroth strut profile 45x135L 5N is an anodized aluminum profile designed for load-bearing frames and support structures within the 45 mm modular system. Its asymmetric 45x135 cross-section with five open slots delivers an area moment of inertia of 274.4 cm⁴ and a moment of resistance of 40.7 cm³ in the strong axis - suitable for applications with elevated bending loads. Profiles are cut to order between 50 mm and 6070 mm and supplied as variable length from stock.

- Five open slots (10 mm width) enable direct fastening without pre-drilling
- High bending stiffness on the strong axis: $W_y 40.7 \text{ cm}^3 / I_y 274.4 \text{ cm}^4$
- Anodized surface finish for enhanced corrosion resistance and long service life
- 45 mm modular pitch - fully compatible with the complete Bosch Rexroth aluminum profile system
- Cut-to-length service: 50 mm to 6070 mm per order

TECHNICAL DATA

Property	Value
Cross-section	45x135L 5N
Profile type	5N

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Property	Value
Dimensions	45 x 135 mm
Modular dimension	45 mm
Open slots	5
Profile slot width	10 mm
Length min. (L min)	50 mm
Length max. (L max)	6070 mm
Condition on delivery	Variable length
Material	Aluminum, anodized
Color	Natural
Mass (m)	4.7 kg/m
Profile surface (A)	17.3 cm ²
Area moment of inertia X (I _x)	38.6 cm ⁴
Area moment of inertia Y (I _y)	274.4 cm ⁴
Moment of resistance X (W _x)	17.6 cm ³
Moment of resistance Y (W _y)	40.7 cm ³
Torsional moment of inertia (I _t)	32.5 cm ⁴
Moment of torsion resistance (W _t)	10.9 cm ³
Packaging unit	1
Recommended accessories	Cover cap 45x45 signal gray, Cover cap 45x90 signal gray, Cover cap 45x45 black ESD, Cover cap 45x90 black ESD