

Strut Profile 45x135L Q&E, Anodized Aluminum, 8 Open Slots - Bosch Rexroth 3842993773

Item no. BRR-3842993773

Manufacturer Bosch Rexroth

Asymmetric aluminum strut profile in the 45 mm modular dimension with a 45x135L cross-section and 8 open slots of size 10 - designed for rigid frame structures and diagonal connections up to 45°. Supplied cut to length or with standard and customized profile finishing (L min 50 mm, L max 6070 mm).

TECHNICAL DATA

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 **11.5 kg**


STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The 45x135L strut profile is an asymmetric extruded aluminum section in the Bosch Rexroth 45 mm modular system. Its rectangular cross-section with 8 open slots of size 10 makes it the right choice for high-stiffness longitudinal beams, bracing struts, and diagonal connections at angles up to 45° (DGmax = 45°). The anodized finish provides lasting corrosion protection at low weight.

- 8 open slots (slot size 10) on all faces for versatile connection options
- High bending stiffness in the y-direction: area moment of inertia $I_y = 267.4 \text{ cm}^4$, moment of resistance $W_y = 39.6 \text{ cm}^3$
- Diagonal connections up to DGmax = 45°; minimum lengths for diagonal finishing: $L_{min1} = 534 \text{ mm}$, $L_{min2} = 768 \text{ mm}$
- Available as stock length (L max 6070 mm) or cut to size (L min 50 mm) with standard or customized finishing
- Material: aluminum, anodized; color: natural; mass: 4.6 kg/m; profile surface: 16.8 cm^2

TECHNICAL DATA

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Property	Value
Cross-section	45x135L
Dimensions	45 x 135 mm
Modular dimension	45 mm
Profile slot	10
Open slots	8
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
Mass [m]	4.6 kg/m
Profile surface [A]	16.8 cm ²
Length min [L min]	50 mm
Length max [L max]	6070 mm
Area moment of inertia in x-direction [Ix]	36.2 cm ⁴
Moment of resistance in x-direction [Wx]	16.1 cm ³
Area moment of inertia in y-direction [Iy]	267.4 cm ⁴
Moment of resistance in y-direction [Wy]	39.6 cm ³
Torsional moment of inertia [It]	29.5 cm ⁴
Moment of torsion resistance [Wt]	8.2 cm ³
Standard profile finishing	M12 / D9.8(B,C,D,F,G,H) / D17(B,C,D,F,G,H) / DB17 / F1(A,E)
Customized profile finishing [L max i]	DI / DIS / MT / MTS / MI / MIS / DG (max. 5400 mm)
Standard finishing minimum length	Lmin1 = 534 mm, Lmin2 = 768 mm
Notice	DGmax = 45°; finishing at specified slots
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