

Strebenprofil 45x90L M12, Aluminium eloxiert, 6 Nuten - Bosch Rexroth 3842992453

Item no. BRR-3842992453

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with a 45x90L cross-section, 6 open slots (slot width 10) and a 45 mm modular dimension for the Bosch Rexroth assembly system. M12 threads are pre-machined in all core bores; custom cut lengths from 60 mm to 6000 mm available. Suited for load-bearing frames, cross-members and support structures in mechanical engineering and industrial equipment.

TECHNICAL DATA

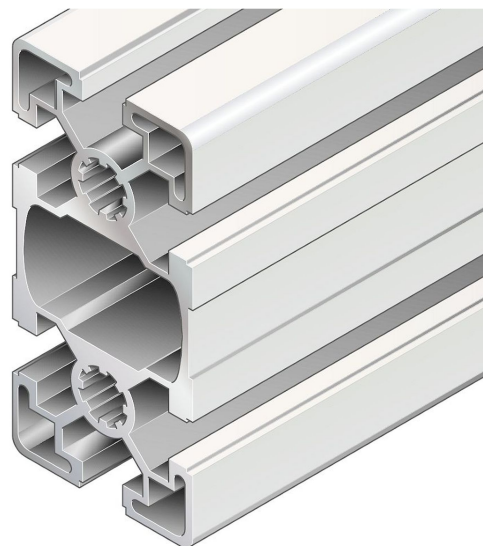
Ausführungsklasse **TEC**

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 **76169990**



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DESCRIPTION

The 45x90L strut profile is an anodized aluminum section with an asymmetric 45x90 mm cross-section and 6 open slots, providing the structural backbone for frames, traverses and bracing assemblies in the Bosch Rexroth modular building system.

- High bending stiffness in the x-direction: area moment of inertia $I_x = 82 \text{ cm}^4$, moment of resistance $W_x = 18.2 \text{ cm}^3$
- M12 threads factory-machined in all core bores - no secondary operations required
- Flexible lengths: cut to size from 60 mm to 6000 mm, supplied as single piece
- Slot width 10 mm, modular dimension 45 mm - fully compatible with all Rexroth series-45 connection accessories
- Natural anodized finish - corrosion-resistant and ready to install

TECHNICAL DATA

Property	Value
Cross-section	45x90L
Dimensions [mm]	45x90
Modular dimension [mm]	45
Profile type	Standard
Open slots	6

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Page 1/2

Property	Value
Profile slot width	10
Profile adaption	M12: all core bores; D17: slots B/F, C/E; D17V: slots A/D; LF: slots A/D
Material	Aluminum, anodized
Color	Natural
Length min. [mm]	60
Length max. [mm]	6000
Profile surface A [cm ²]	11.3
Mass m [kg/m]	3
Area moment of inertia I _x [cm ⁴]	82
Moment of resistance W _x [cm ³]	18.2
Area moment of inertia I _y [cm ⁴]	23.6
Moment of resistance W _y [cm ³]	10.5
Torsional moment of inertia I _t [cm ⁴]	15.1
Moment of torsion resistance W _t [cm ³]	4.4
Packaging unit	1
Recommended accessories	Cover cap 45x90 black, Cover cap 45x90 signal gray, Cover cap with hole 45x90 black, Cover cap with hole 45x90 signal gray