

Strebenprofil 45x90 SL, Aluminium eloxiert, Länge 50-6070 mm - Bosch Rexroth 3842993450

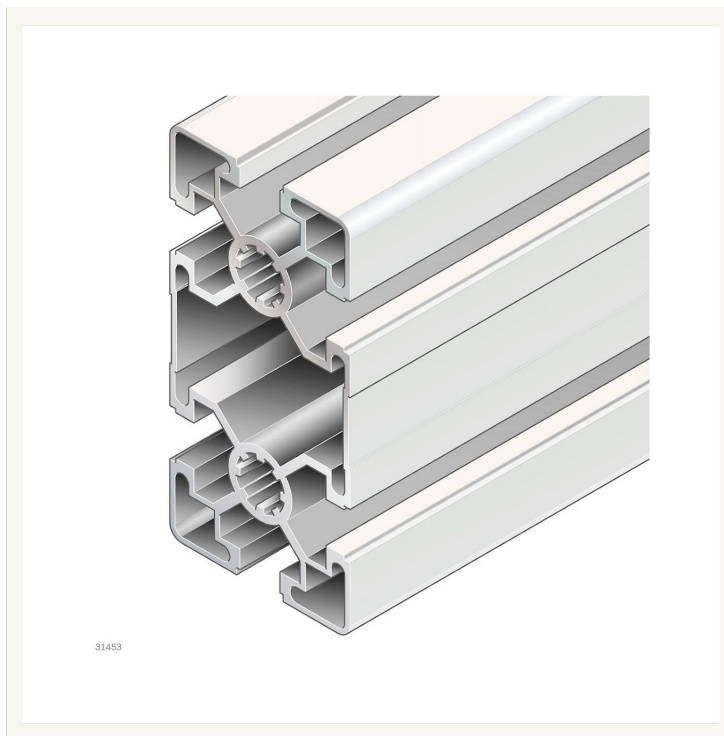
Item no. BRR-3842993450

Manufacturer Bosch Rexroth

Strut profile 45x90 SL in anodized aluminium for modular assembly structures, guarding, and workstation frameworks on a 45 mm grid. Six open slots (10 mm width) allow connections in any direction without drilling. Supplied cut to length - freely selectable from 50 to 6070 mm.

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



DESCRIPTION

The Bosch Rexroth strut profile 45x90 SL is a load-bearing aluminium section for modular construction of workstations, machine guarding, shelving, and enclosures. The asymmetric 45x90 mm cross-section provides substantially greater bending stiffness in the x-direction than in the y-direction, making it the right choice for columns and crossbeams under primarily unidirectional loads.

- Six open slots (10 mm width) for connectors in all directions - no drilling or cutting required on site
- Cut-to-length supply: any dimension from 50 to 6070 mm ordered in 1 mm increments
- Anodized surface: corrosion-resistant, easy to clean, dimensionally stable long-term
- High bending stiffness in the main load direction: $I_x = 73.4 \text{ cm}^4$, $W_x = 16.3 \text{ cm}^3$
- Fully compatible with the Bosch Rexroth profile system (45 mm modular grid)

TECHNICAL DATA

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

Parameter	Value
Profile slot width [mm]	10
Length min. / max. [mm]	50 / 6070
Condition on delivery	Variable length (cut to size)
Material	Aluminium, anodized
Color	Natural
Profile surface [A] [cm ²]	9
Mass [m] [kg/m]	2.4
Area moment of inertia I _x [cm ⁴]	73.4
Moment of resistance W _x [cm ³]	16.3
Area moment of inertia I _y [cm ⁴]	18.1
Moment of resistance W _y [cm ³]	8
Torsional moment of inertia I _t [cm ⁴]	8.57
Moment of torsion resistance W _t [cm ³]	4
Packaging unit	1