

Strebenprofil 90x90L, 1000 mm, Aluminium eloxiert, 8 offene Nuten - Bosch Rexroth 3842993680-1000

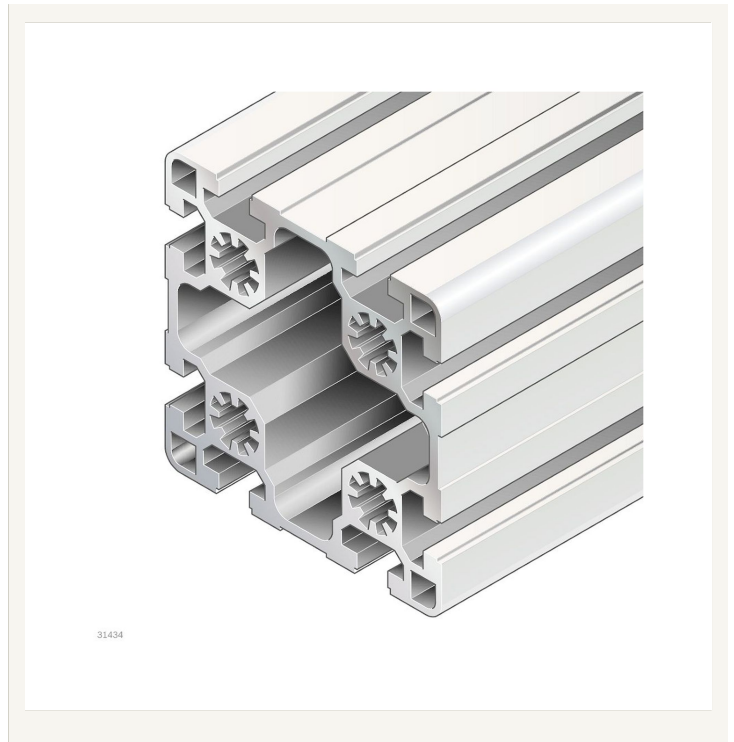
Item no. BRR-3842993680-1000

Manufacturer Bosch Rexroth

The 90x90L strut profile in anodized aluminium is designed for building rigid frames, machine bases, and guarding structures within the modular Bosch Rexroth profile system. Its symmetric cross-section with 8 open slots (slot width 10 mm, modular dimension 45 mm) allows connections on all sides without repositioning. Supplied at 1000 mm; custom lengths from 50 mm to 6070 mm and machining options are available on request.

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	0.0099 kg
Zolltarifnummer	76042100



DESCRIPTION

The 90x90L strut profile is a symmetric extruded aluminium section - anodized for corrosion resistance - and a core structural element of the Bosch Rexroth aluminium profile system. At 90 x 90 mm with 8 open peripheral slots on the 45 mm modular grid, it accepts all compatible slot nuts, angle brackets, and connectors without modification. High bending stiffness (area moment of inertia I_x/I_y each 211.1 cm⁴) and a torsional moment of inertia of 82.1 cm⁴ make it suitable for load-bearing frames, workstations, machinery guards, and conveyor structures.

- Symmetric 90x90 cross-section - identical connection options on all four sides
- 8 open slots (width 10 mm) accept standard slot nuts, T-bolts, and angular connectors
- Anodized aluminium - lightweight, corrosion-resistant, and surface-stable
- Standard machining options M12 / D9.8 / D17 / DB17 available; custom finishes DI, DIS, MT, MTS, MI, MIS, DG on request (minimum lengths apply)
- Mitre cut up to $DG_{max} = 45^\circ$; $L_{min1} = 456$ mm / $L_{min2} = 612$ mm
- Supplied at 1000 mm; custom lengths from 50 mm to 6070 mm

TECHNICAL DATA

Property	Value
Cross-section	90 x 90 mm (type 90x90L)
Profile type	Standard

Property	Value
Slot width	10 mm
Modular dimension	45 mm
Open slots	8
Supplied length	1000 mm
Length min / max	50 mm / 6070 mm
Mass (per linear metre)	6.5 kg
Profile surface area (A)	24.1 cm ²
Area moment of inertia I _x / I _y	211.1 cm ⁴ / 211.1 cm ⁴
Moment of resistance W _x / W _y	46.9 cm ³ / 46.9 cm ³
Torsional moment of inertia (I _t)	82.1 cm ⁴
Moment of torsion resistance (W _t)	20.1 cm ³
Material	Aluminium, anodized
Color	Natural
Standard profile finishing	M12 / D9.8 / D17 / DB17
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG
Recommended accessories	Cover cap 90x90L black, cover cap 90x90L signal gray
Packaging unit	1 piece