

Strebenprofil 45x90L 2NVS, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842993770-1000

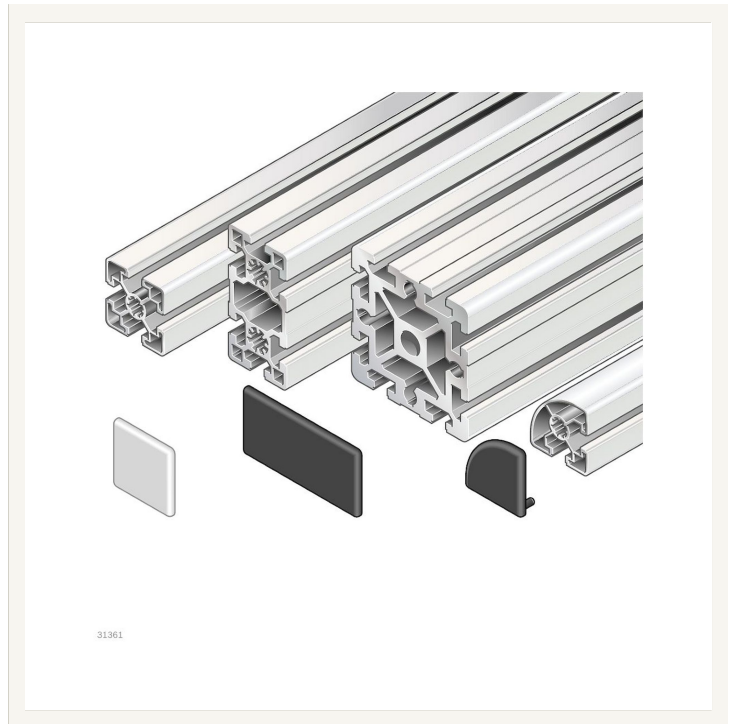
Item no. BRR-3842993770-1000

Manufacturer Bosch Rexroth

Strut profile 45x90L 2NVS in anodized aluminum with 6 open slots and a 45 mm modular dimension, cut to 1000 mm. The asymmetric 2NVS cross-section delivers high bending stiffness in the y-direction ($I_y = 90.6 \text{ cm}^4$) for load-bearing structures in the Bosch Rexroth 45 system. Standard profile finishing options M12, D9.8, D17, and DB17 are available to order.

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 strut profile 45x90L 2NVS is an extruded aluminum profile in the Bosch Rexroth 45 modular system with an asymmetric cross-section optimized for applications requiring high stiffness along the longer axis. This unit is supplied at 1000 mm; custom lengths from 50 to 6070 mm are available with standard or customized profile finishing.

- High bending stiffness in the y-direction: $I_y = 90.6 \text{ cm}^4$, $W_y = 40.3 \text{ cm}^3$ - suited for horizontal beams and cantilever structures
- Anodized surface: corrosion-resistant, wear-resistant, natural color
- 6 open slots (slot width 10 mm) for tool-free positioning of connectors and attachments
- Standard profile finishing M12, D9.8, D17, DB17 available; customized finishing DI, DIS, MT, MTS, MI, MIS, DG on request
- Fully compatible with the Bosch Rexroth 45 modular assembly system

TECHNICAL DATA

Property	Value
Cross-section	45x90 mm
Profile type	2NVS
Modular dimension	45 mm
Profile slot	10 mm

Property	Value
Open slots	6
Length (this unit)	1000 mm
Length min / max	50 / 6070 mm
Material	Aluminum, anodized
Color	Natural
Mass	3.3 kg/m
Profile surface (A)	12.1 cm ²
Area moment of inertia I _x	25.9 cm ⁴
Area moment of inertia I _y	90.6 cm ⁴
Moment of resistance W _x	5.7 cm ³
Moment of resistance W _y	40.3 cm ³
Torsional moment of inertia (I _t)	31.7 cm ⁴
Moment of torsion resistance (W _t)	7.7 cm ³
Standard profile finishing	M12, D9.8, D17, DB17
Customized profile finishing	DI, DIS, MT, MTS, MI, MIS, DG
Miter cut note	DGmax = 45°, Lmin1/Lmin2 = 456/612 mm
Packaging unit	1 piece