

Strut Profile 45x90L 3NVS, 1000 mm, Anodized Aluminum, 6 Open Slots - Bosch Rexroth 3842993752-1000

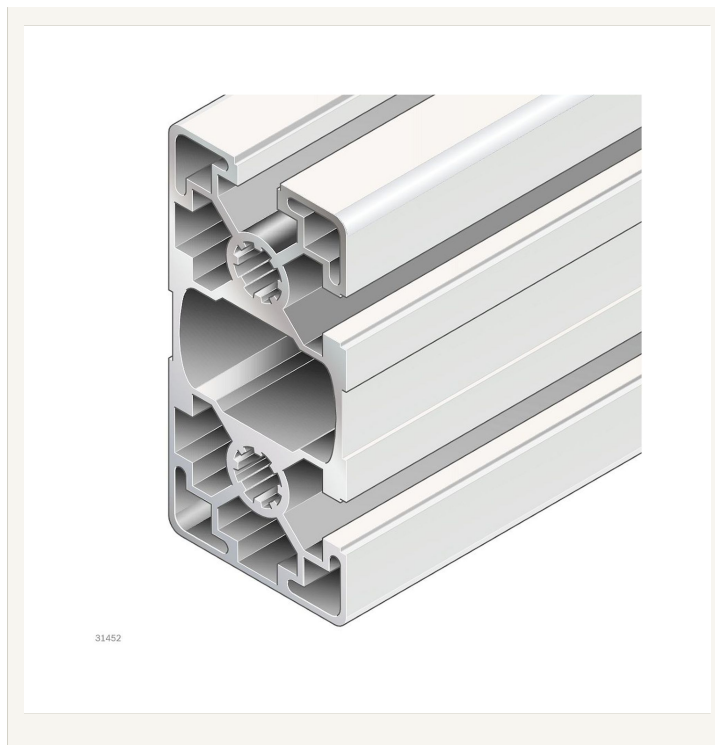
Item no. BRR-3842993752-1000

Manufacturer Bosch Rexroth

Asymmetric strut profile with 45x90 mm cross-section (type 3NVS), six open slots and a 45 mm modular dimension for fast assembly of workstations, guards and conveyor frames. Supplied in the configured length of 1000 mm in anodized aluminum. Area moment of inertia in x-direction 87.2 cm⁴, mass 3.2 kg/m.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
HS-Code	76042100
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	0.0099 kg



DESCRIPTION

The Bosch Rexroth Strut Profile 45x90L 3NVS is an anodized aluminum profile with an asymmetric 45x90 mm cross-section, six open profile slots (slot width 10 mm) and a 45 mm modular dimension. It is designed for modular construction of assembly stations, machine guards, frames and conveyor systems in industrial environments. This unit is supplied at the ordered length of 1000 mm; the manufacturer offers lengths from 50 mm to 6070 mm.

- Six open slots allow connections on all faces without repositioning or additional machining.
- Anodized aluminum surface (color: natural) provides lasting corrosion and abrasion resistance.
- High bending stiffness in the x-direction: area moment of inertia $I_x = 87.2 \text{ cm}^4$, moment of resistance $W_x = 38.8 \text{ cm}^3$.
- Standard profile finishing M12 / D9.8 / D17 / DB17 available from the factory; customized finishing options (DI, DIS, MT, MTS, MI, MIS, DG) available on request.
- Note for DG finishing: $DG_{max} = 45^\circ$, observe minimum lengths $L_{min1}/L_{min2} = 456/612 \text{ mm}$.

TECHNICAL DATA

Property	Value
Profile type	3NVS
Cross-section	45x90 mm
Open slots	6

Property	Value
Profile slot width	10 mm
Modular dimension	45 mm
Supplied length	1000 mm
Length min / max	50 mm / 6070 mm
Material	Aluminum, anodized
Color	Natural
Mass	3.2 kg/m
Profile surface [A]	11.8 cm ²
Area moment of inertia I _x	87.2 cm ⁴
Area moment of inertia I _y	25.2 cm ⁴
Moment of resistance W _x	38.8 cm ³
Moment of resistance W _y	5.6 cm ³
Torsional moment of inertia I _t	25.7 cm ⁴
Moment of torsion resistance W _t	6.6 cm ³
Standard profile finishing	M12 / D9.8 / D17 / DB17
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG
Packaging unit	1 piece