

Strut Profile 45x90L 3NVS, Anodized Aluminum, 50-6070 mm - Bosch Rexroth 3842993635

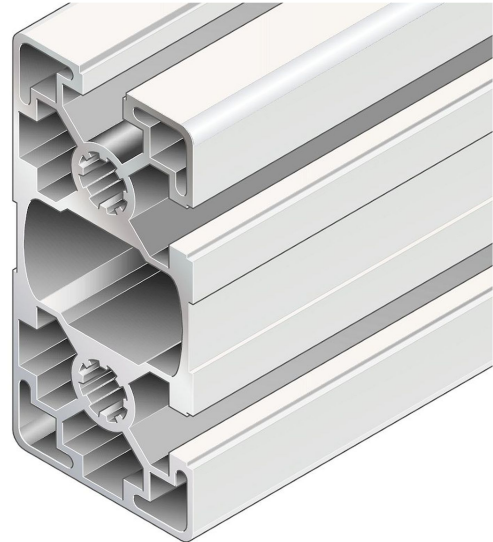
Item no. BRR-3842993635

Manufacturer Bosch Rexroth

Asymmetric aluminum strut profile with a 45x90 mm cross-section, 6 open slots, and profile type 3NVS for versatile structural assemblies. Supplied cut to length (50 to 6070 mm) at the per-cut price, with full compatibility with the Bosch Rexroth 45 mm modular system. Anodized finish provides lasting corrosion resistance with minimal weight.

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	0.1 kg



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DESCRIPTION

The strut profile 45x90L 3NVS is an asymmetric aluminum system profile with 6 open slots and a 45 mm modular dimension. It is supplied cut to any length between 50 mm and 6070 mm, making it suitable for frames, support structures, and machine guarding within the Bosch Rexroth assembly technology system.

- 6 open slots (profile slot 10) provide connection points on all faces for maximum design flexibility
- Asymmetric 3NVS cross-section delivers a high area moment of inertia in the primary load direction ($I_x = 87.2 \text{ cm}^4$)
- Cut-to-length supply: any length from 50 to 6070 mm, reducing offcut waste
- Anodized aluminum: corrosion-resistant, lightweight, and suitable for cleanroom and production environments
- Fully compatible with the Bosch Rexroth 45 mm modular accessory system

TECHNICAL DATA

Property	Value
Cross-section	45x90 mm
Profile type	3NVS
Modular dimension	45 mm

Property	Value
Open slots	6
Profile slot	10
Length min (L min)	50 mm
Length max (L max)	6070 mm
Condition on delivery	Variable length (cut to size)
Material	Aluminum, anodized
Color	Natural
Profile surface (A)	11.8 cm ²
Mass (m)	3.2 kg/m
Area moment of inertia, x-direction (Ix)	87.2 cm ⁴
Area moment of inertia, y-direction (Iy)	25.2 cm ⁴
Moment of resistance, x-direction (Wx)	38.8 cm ³
Moment of resistance, y-direction (Wy)	5.6 cm ³
Torsional moment of inertia (It)	25.7 cm ⁴
Moment of torsion resistance (Wt)	6.6 cm ³
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