

Strut Profile 45x90L 2N, Anodized Aluminum, 6 Open Slots, L 50-6070 mm - Bosch Rexroth 3842993644

Item no. BRR-3842993644

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with a 45x90 mm cross-section, profile type 2N, and 6 open slots on a 45 mm modular grid. Cut to length on order, from 50 mm up to 6070 mm. Designed for structural frames and machine bases within the Rexroth aluminum profile system.

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



DESCRIPTION

The 45x90L 2N strut profile is an anodized aluminum structural element in the Rexroth assembly technology system. Its asymmetric 45x90 mm cross-section provides six open slots (10 mm slot width) for connecting components on all faces, with high bending stiffness in the primary load direction ($I_x = 85.6 \text{ cm}^4$, $W_x = 38.1 \text{ cm}^3$). The profile is supplied cut to length - minimum 50 mm, maximum 6070 mm - and integrates directly with standard Rexroth 45 mm grid connectors and fasteners.

- 6 open slots (10 mm width) for flexible attachment of connectors, brackets and accessories on all sides
- High bending stiffness in x-direction: $I_x = 85.6 \text{ cm}^4$, $W_x = 38.1 \text{ cm}^3$
- Torsional stiffness: $I_t = 31.7 \text{ cm}^4$, $W_t = 7.7 \text{ cm}^3$
- Anodized surface finish - corrosion-resistant, natural color, ready to install without further treatment
- Cut to length: L min 50 mm to L max 6070 mm, packaging unit 1 piece
- 45 mm modular dimension - compatible with the full Rexroth 45-series profile system

TECHNICAL DATA

Property	Value
Cross-section	45x90 mm

Property	Value
Profile type	2N
Modular dimension	45 mm
Open slots	6
Profile slot width	10 mm
Length min (L min)	50 mm
Length max (L max)	6070 mm
Area moment of inertia x (Ix)	85.6 cm ⁴
Moment of resistance x (Wx)	38.1 cm ³
Area moment of inertia y (Iy)	26.9 cm ⁴
Moment of resistance y (Wy)	6.0 cm ³
Torsional moment of inertia (It)	31.7 cm ⁴
Moment of torsion resistance (Wt)	7.7 cm ³
Profile surface (A)	12 cm ²
Mass (m)	3.2 kg/m
Material	Aluminum, anodized
Color	Natural
Condition on delivery	Cut to length (variable)
Packaging unit	1 piece