

Strut Profile 90x90L 4N, Anodized Aluminum, 45 mm Modular Dimension - Bosch Rexroth 3842993628

Item no. BRR-3842993628

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile in 90x90L 4N cross-section with four open slots (slot width 10 mm) for demanding structural assemblies. The anodized profile delivers an area moment of inertia of 227.4 cm⁴ and is cut to length between 50 mm and 6070 mm. Well suited for frames, machine guarding, and load-bearing structures on the 45 mm grid.

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 Bosch Rexroth strut profile 90x90L 4N is a heavy-duty aluminum construction profile for professional machine and structural assemblies. Four uniformly distributed slots of width 10 mm and a 45 mm modular dimension make it fully compatible with the Bosch Rexroth profile system. Supplied anodized and cut to order in lengths from 50 mm to 6070 mm.

- High bending stiffness: area moment of inertia $I_x = 227.4 \text{ cm}^4$ / $I_y = 214.7 \text{ cm}^4$
- Four open slots for maximum connection flexibility on all sides
- Cut to length (50 mm to 6070 mm) - no further machining required
- Anodized aluminum: corrosion-resistant, surface-protected, natural color
- 45 mm modular grid - direct compatibility with all Bosch Rexroth accessories

TECHNICAL DATA

Property	Value
Cross-section	90x90L 4N
Dimensions	90 x 90 mm
Profile type	4N
Open slots	4
Profile slot width	10

Property	Value
Modular dimension	45 mm
Length min	50 mm
Length max	6070 mm
Profile surface (A)	24.2 cm ²
Mass (m)	6.5 kg/m
Area moment of inertia I _x	227.4 cm ⁴
Area moment of inertia I _y	214.7 cm ⁴
Moment of resistance W _x	50.5 cm ³
Moment of resistance W _y	47.7 cm ³
Torsional moment of inertia (I _t)	122 cm ⁴
Moment of torsion resistance (W _t)	22.2 cm ³
Material	Aluminum, anodized
Color	Natural
Packaging unit	1
Recommended accessories	Cover cap 90x90L black, Cover cap 90x90L signal gray