

Strut Profile 90x90L 4N, Anodized Aluminum, 50-6070 mm - Bosch Rexroth 3842993755

Item no. BRR-3842993755

Manufacturer Bosch Rexroth

Extruded anodized aluminum profile with a 90x90 mm square cross-section, four open slots (45 mm modular dimension, 10 mm slot width) and profile type 4N. Available cut-to-length from 50 mm to 6070 mm, with standard or customized profile finishing. Designed for load-bearing frames, machine structures, and guarding in the Bosch Rexroth modular 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 Strut Profile 90x90L 4N is an anodized aluminum extrusion with a 90x90 mm square cross-section and four open peripheral slots. As a core structural element in the Bosch Rexroth modular profile system, it is used in machine frames, workbenches, safety guarding, and fixture construction.

- Four open slots (10 mm wide, 45 mm modular pitch) allow tool-free connections at any point along the profile length.
- Cut-to-length delivery from 50 mm to 6070 mm eliminates rework and reduces material waste on-site.
- High bending stiffness: area moment of inertia $I_x = 227.4 \text{ cm}^4$ (x-direction) and $I_y = 214.7 \text{ cm}^4$ (y-direction) at a profile cross-section of 24.2 cm^2 .
- Standard profile finishing M12 / D9.8 / D17 / DB17 available ex-works; customized finishing (DI, DIS, MT, MTS, MI, MIS, DG up to 45°) available on request.
- Anodized natural finish: corrosion-resistant and ready to install without additional surface treatment.

TECHNICAL DATA

Parameter	Value
Cross-section	90x90 mm
Profile type	4N

Parameter	Value
Open slots	4
Slot width	10 mm
Modular dimension	45 mm
Length min.	50 mm
Length max.	6070 mm
Mass (per linear metre)	6.5 kg/m
Profile surface [A]	24.2 cm ²
Area moment of inertia [Ix]	227.4 cm ⁴
Area moment of inertia [Iy]	214.7 cm ⁴
Moment of resistance [Wx]	50.5 cm ³
Moment of resistance [Wy]	47.7 cm ³
Torsional moment of inertia [It]	122 cm ⁴
Moment of torsion resistance [Wt]	22.2 cm ³
Material	Aluminum, anodized
Color	Natural
Standard profile finishing	M12 / D9.8 / D17 / DB17
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG (DGmax = 45°)
Finishing minimum length	Lmin1 / Lmin2 = 456 / 612 mm
Recommended accessories	Cover cap 90x90L black, Cover cap 90x90L signal gray
Packaging unit	1 piece