

Strebenprofil 90x90L 4N, 1000 mm, Aluminium eloxiert, 4 offene Nuten - Bosch Rexroth 3842993755-1000

Item no. BRR-3842993755-1000

Manufacturer Bosch Rexroth

Strut profile 90x90L 4N in anodized aluminum for building rigid machine frames, guards, and conveyor structures. Four open slots (slot width 10 mm, modular dimension 45 mm) allow connections on every profile face within the Rexroth profile system. Supplied at 1000 mm with standard machining options including M12 threading and through-bores.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
Hinweis	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
Zolltarifnummer	76042100



DESCRIPTION

The Bosch Rexroth strut profile 90x90L 4N is an anodized aluminum structural section with a 90 x 90 mm square cross-section and four open slots running along each face. Cut to 1000 mm, it serves as a primary load-bearing element for machine frames, work stations, protective enclosures, and industrial conveyor systems built with the Rexroth profile construction kit.

- Four open slots (10 mm wide, 45 mm modular grid) for flexible connections on all four faces
- High bending stiffness: area moment of inertia $I_x = 227.4 \text{ cm}^4$ / $I_y = 214.7 \text{ cm}^4$
- Standard factory machining: M12 thread, through-bores D9.8 / D17 / DB17
- Custom machining options: DI, DIS, MT, MTS, MI, MIS, DG (miter cut up to 45 deg)
- Available in lengths from 50 mm to 6070 mm; minimum length for standard machining applies
- Material: aluminum, anodized (color: natural); linear mass 6.5 kg/m

TECHNICAL DATA

Property	Value
Cross-section	90 x 90 mm
Profile type	4N
Open slots	4
Slot width	10 mm
Modular dimension	45 mm

Property	Value
Supplied length	1000 mm
Length min / max	50 mm / 6070 mm
Linear mass [m]	6.5 kg/m
Profile surface [A]	24.2 cm ²
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
Standard machining	M12 / D9.8 / D17 / DB17
Custom machining	DI / DIS / MT / MTS / MI / MIS / DG
Recommended accessories	Cover cap 90x90L black, Cover cap 90x90L signal gray
Packaging unit	1 piece