

Strebenprofil 90x90L 4NVS, Aluminium eloxiert, 4 Nuten, Raster 45 mm - Bosch Rexroth 3842993756

Item no. BRR-3842993756

Manufacturer Bosch Rexroth

Square aluminum strut profile 90x90L with four-slot symmetry (profile type 4NVS) for building rigid machine frames, assembly structures, and guarding systems. Available cut-to-length from 50 to 6070 mm with standard and customized profile finishing. Material: aluminum, anodized, natural color.

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	0.1 kg
Zolltarifnummer	76042100



DESCRIPTION

The Bosch Rexroth 90x90L 4NVS strut profile is a symmetric aluminum structural profile with four open slots (slot width 10 mm, modular dimension 45 mm) for modular construction of machine frames, assembly systems, and protective enclosures. Supplied unfinished and cut to the required length between 50 and 6070 mm.

- Four open slots (4NVS) allow connections from any direction without reconfiguring the structure.
- High bending stiffness: area moment of inertia $I_x = I_y = 220.9 \text{ cm}^4$, moment of resistance $W_x = W_y = 49.2 \text{ cm}^3$.
- Torsional moment of inertia $I_t = 127 \text{ cm}^4$, moment of torsion resistance $W_t = 22 \text{ cm}^3$ for twist-resistant frame assemblies.
- Profile surface area $A = 24.2 \text{ cm}^2$, mass 6.5 kg/m - a solid basis for load-bearing structures.
- Standard profile finishing M12 / D9.8 / D17 / DB17 available; customized finishing DI / DIS / MT / MTS / MI / MIS / DG on request (observe minimum lengths).
- Compatible with the Bosch Rexroth aluminum profile system; cover caps 90x90L in black and signal gray available as accessories.

TECHNICAL DATA

Parameter	Value
Cross-section	90x90L 4NVS

Parameter	Value
Profile type	4NVS
Dimensions [mm]	90 x 90
Open slots	4
Profile slot width [mm]	10
Modular dimension [mm]	45
Length min. [mm]	50
Length max. [mm]	6070
Mass [kg/m]	6.5
Profile surface A [cm ²]	24.2
Area moment of inertia $I_x = I_y$ [cm ⁴]	220.9
Moment of resistance $W_x = W_y$ [cm ³]	49.2
Torsional moment of inertia I_t [cm ⁴]	127
Moment of torsion resistance W_t [cm ³]	22
Material	Aluminum, anodized
Color	Natural
Standard profile finishing	M12 / D9.8 / D17 / DB17
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG
Finishing notice	DGmax = 45°, Lmin1 / Lmin2 = 456 / 612 mm
Recommended accessories	Cover cap 90x90L black, Cover cap 90x90L signal gray
Packaging unit	1