

Strebenprofil 45x45L, 4 Nuten, Nut 10, eloxiertes Aluminium, 1000 mm - Bosch Rexroth 3842992427-1000

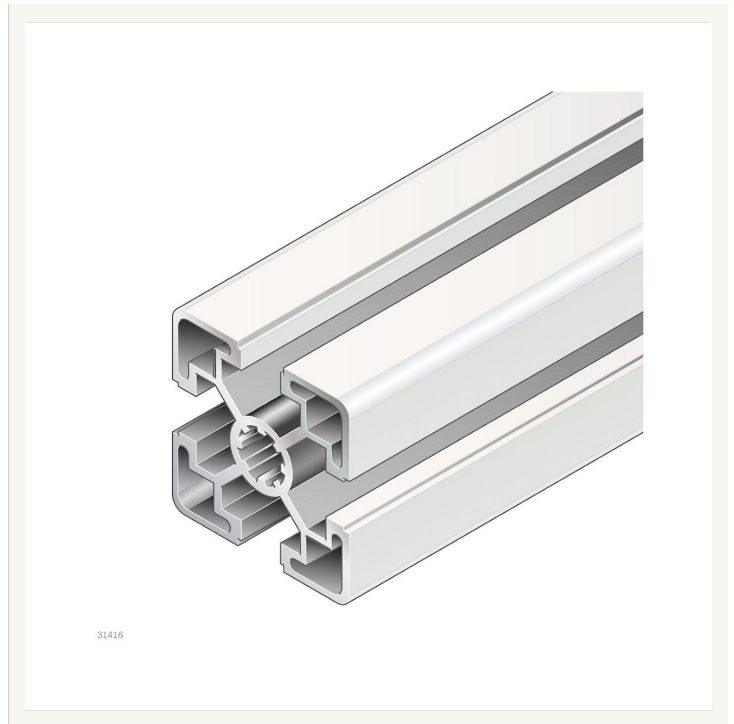
Item no. BRR-3842992427-1000

Manufacturer Bosch Rexroth

Standard strut profile with a 45x45 mm cross-section and four open slots (slot 10) in anodized aluminum, designed for load-bearing frames, workstations, and automation assemblies in the Bosch Rexroth modular system. Supplied at 1000 mm with M12 end-face machining on both sides.

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	76169990



DESCRIPTION

The 45x45L strut profile is a standard anodized aluminum section for load-bearing frame structures, assembly workstations, and industrial automation systems within the Bosch Rexroth modular construction system. Four open slots (slot 10), a 45 mm modular dimension, and M12-threaded end-face machining on both faces allow direct assembly without additional machining.

- Four open slots on all four faces for versatile connection of fasteners, linear components, and accessories
- Area moment of inertia $I_x = I_y = 11.7 \text{ cm}^4$ and moment of resistance $W_x = W_y = 5.2 \text{ cm}^3$ for equal load capacity in both axes
- Profile surface 6 cm^2 , mass 1.6 kg/m - favorable stiffness-to-weight ratio
- Supplied at 1000 mm; custom cut lengths available from 110 mm to 6000 mm
- Surface: anodized aluminum, natural color - corrosion-resistant and clean-looking

TECHNICAL DATA

Property	Value
Cross-section	45x45L
Profile type	Standard
Modular dimension	45 mm
Open slots	4

Property	Value
Profile slot	10
Dimensions	45x45 mm
Supplied length	1000 mm
Min / max length	110 mm / 6000 mm
End-face machining	M12 / M12
Material	Aluminum, anodized
Color	Natural
Mass [m]	1.6 kg/m
Profile surface [A]	6 cm ²
Area moment of inertia I _x	11.7 cm ⁴
Area moment of inertia I _y	11.7 cm ⁴
Moment of resistance W _x	5.2 cm ³
Moment of resistance W _y	5.2 cm ³
Torsional moment of inertia [I _t]	1.46 cm ⁴
Moment of torsion resistance [W _t]	0.75 cm ³
Packaging unit	1