

Strebenprofil 90x90 M16, 1000 mm, Nut 10, eloxiertes Aluminium - Bosch Rexroth 3842990501-1000

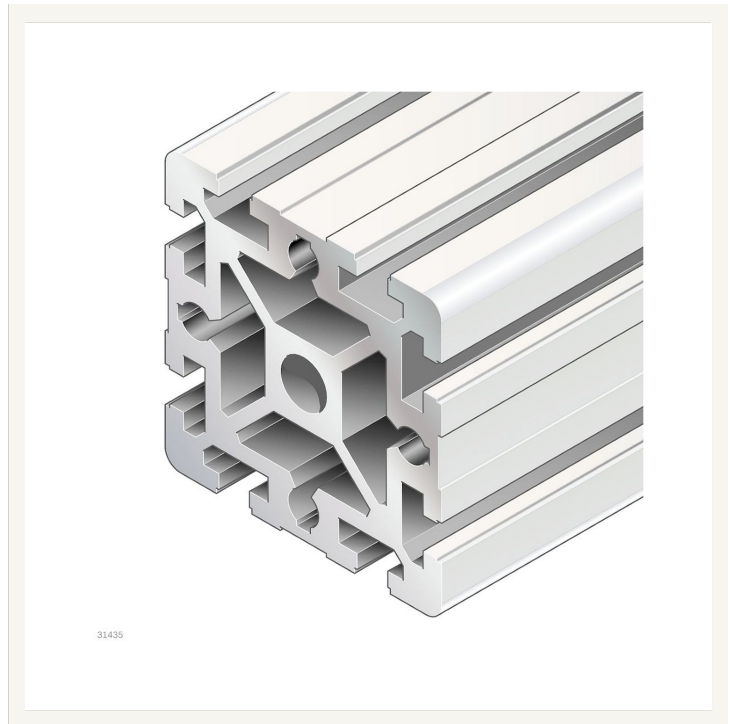
Item no. BRR-3842990501-1000

Manufacturer Bosch Rexroth

Heavy-duty 90x90 M16 strut profile in anodized aluminum (natural) for modular machine frames, guards, and assembly structures. Eight open T-slots (slot width 10 mm, modular dimension 45 mm) allow tool-free connections at any position. Supplied at 1000 mm; custom cut lengths from 120 mm to 6000 mm available.

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 90x90 M16 strut profile is the structural backbone for demanding applications in the Bosch Rexroth aluminum profile system - machine frames, protective enclosures, and heavy-duty assembly fixtures. Eight open T-slots (width 10 mm, modular dimension 45 mm) run the full length, accepting standard connectors and fasteners at any point without pre-drilling.

- High bending stiffness: area moment of inertia $I_x = I_y = 299.8 \text{ cm}^4$, moment of resistance $W_x = W_y = 66.7 \text{ cm}^3$
- Good torsional rigidity: torsional moment of inertia $I_t = 118.6 \text{ cm}^4$, torsional moment of resistance $W_t = 26 \text{ cm}^3$
- Anodized aluminum (natural) - corrosion-resistant, lightweight, and easily machinable
- Profile surface area 38.4 cm^2 , mass 10.4 kg/m - strong weight-to-load ratio for structural applications
- Standard length 1000 mm; cut-to-length orders from 120 mm to 6000 mm (packaging unit: 1 piece)

TECHNICAL DATA

Attribute	Value
Cross-section	90x90 mm
Profile type	Standard

Attribute	Value
Profile slot width	10 mm
Modular dimension	45 mm
Open slots	8
Length (this variant)	1000 mm
Length min / max	120 mm / 6000 mm
Material	Aluminum, anodized
Color	Natural
Profile surface [A]	38.4 cm ²
Mass [m]	10.4 kg/m
Area moment of inertia I _x / I _y	299.8 cm ⁴
Moment of resistance W _x / W _y	66.7 cm ³
Torsional moment of inertia [I _t]	118.6 cm ⁴
Torsional moment of resistance [W _t]	26 cm ³
Packaging unit	1 piece
Recommended accessories	Cover cap 90x90 black, Cover cap 90x90 signal gray, Cover cap with hole 90x90 black, Cover cap with hole 90x90 signal gray