

Strebenprofil 90x90 M16/M16, 1000 mm - Bosch Rexroth 3842990502-1000

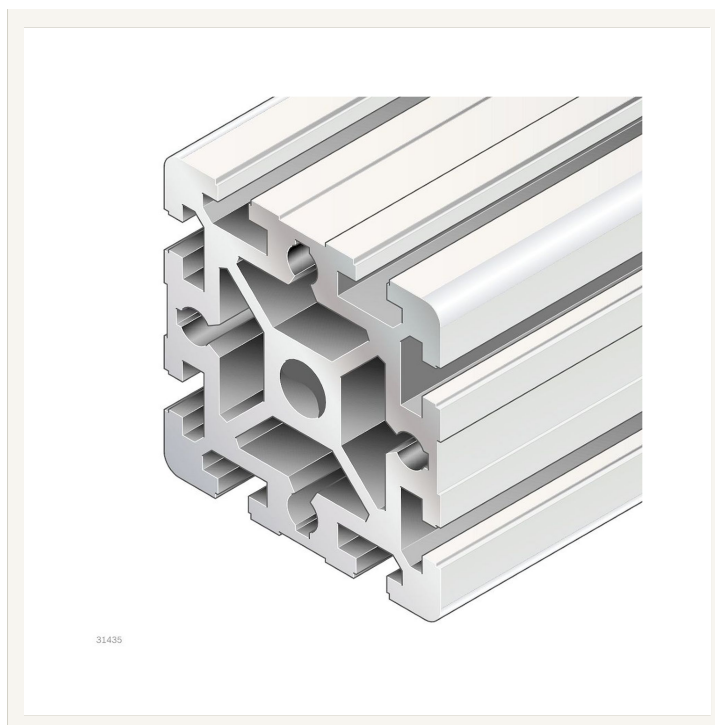
Item no. BRR-3842990502-1000

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with a 90x90 mm cross-section, 8 open slots (slot size 10) and a 45 mm modular dimension for flexible, bolt-together assembly structures. Supplied as a 1000 mm cut piece, compatible with all Bosch Rexroth size-90 connectors and accessories. High area moment of inertia (299.8 cm⁴) makes it suitable for load-bearing frames and machine guarding.

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 Strut Profile 90x90 M16/M16 is a symmetric, anodized aluminum structural profile that forms the backbone of rigid, modular assembly systems. Eight open slots (slot size 10, 45 mm modular pitch) on all four faces allow connectors, linear guides, and ancillary components to be added or repositioned at any point without drilling or welding.

- High bending stiffness: area moment of inertia $I_x = I_y = 299.8 \text{ cm}^4$, moment of resistance $W_x = W_y = 66.7 \text{ cm}^3$.
- Torsional rigidity: torsional moment of inertia $I_t = 118.6 \text{ cm}^4$, torsional moment of resistance $W_t = 26 \text{ cm}^3$.
- Profile surface area $A = 38.4 \text{ cm}^2$, mass 10.4 kg/m - suited to heavy-duty structures.
- Anodized surface: corrosion-resistant, wear-resistant, natural finish.
- Supplied as a 1000 mm piece (cut lengths from 240 mm to 6000 mm available, packaging unit: 1).
- Compatible with Bosch Rexroth size-90 accessories: cover caps 90x90 (black/signal gray), cover caps with hole 90x90.

TECHNICAL DATA

Property	Value
Cross-section	90x90 mm
Profile type	Standard

Property	Value
Slot size	10
Open slots	8
Modular dimension	45 mm
Supplied length	1000 mm
Length min / max	240 mm / 6000 mm
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
Profile surface area A	38.4 cm ²
Mass m	10.4 kg/m
Material	Aluminum, anodized
Color	Natural
Packaging unit	1 piece