

Strebenprofil 90x90 D17/D17, 1000 mm - Aluminiumprofil mit 8 offenen Nuten - Bosch Rexroth 3842990093-1000

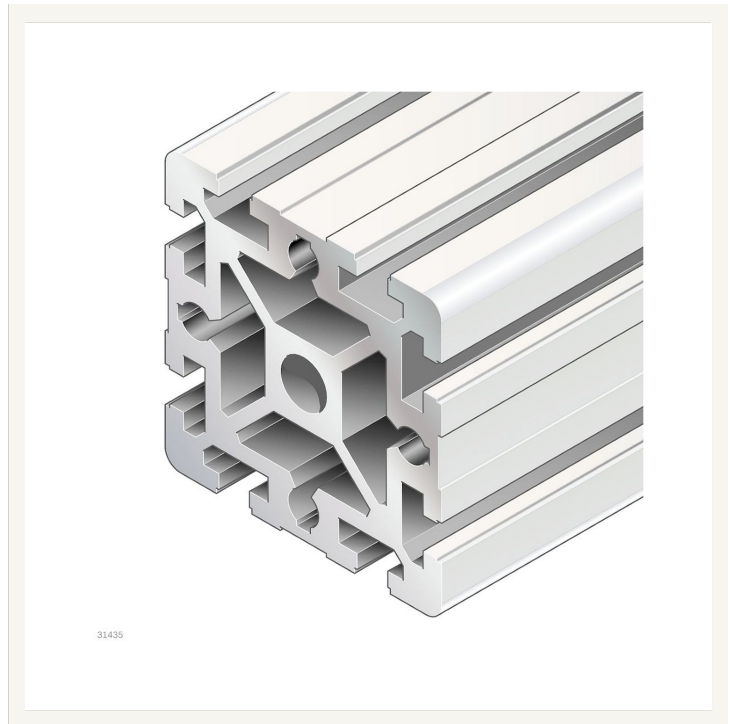
Item no. BRR-3842990093-1000

Manufacturer Bosch Rexroth

Anodized aluminium strut profile 90x90 mm with 8 open slots and a 45 mm modular dimension, designed for building load-bearing assembly frames and machine structures. The symmetric cross-section (area moment of inertia 299.8 cm⁴) supports connections in all directions. Available in lengths from 80 mm to 6000 mm; this article: 1000 mm.

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 D17/D17 strut profile in anodized aluminium is the primary structural element for machine frames, workstations and guarding built on the Bosch Rexroth aluminium profile system. Its symmetric 90x90 cross-section features eight open slots of size 10 on a 45 mm modular grid, allowing add-on components to be attached to any face at any point - without redesigning the overall structure.

- **High bending stiffness:** Area moment of inertia $I_x = I_y = 299.8 \text{ cm}^4$, moment of resistance $W_x = W_y = 66.7 \text{ cm}^3$ - suited for demanding load-bearing applications.
- **Good torsional stiffness:** Torsional moment of inertia $I_t = 118.6 \text{ cm}^4$, moment of torsion resistance $W_t = 26 \text{ cm}^3$.
- **Lightweight and corrosion-resistant:** Anodized aluminium, profile surface area 38.4 cm², mass 10.4 kg/m.
- **Length flexibility:** Cut to length from 80 mm to 6000 mm; standard length of this article: 1000 mm.
- **System-compatible:** Integrates into the Bosch Rexroth assembly technology system; recommended accessories: cover caps 90x90 in black and signal gray, with and without hole.

TECHNICAL DATA

Parameter	Value
Cross-section	90x90 mm

Parameter	Value
Profile type	Standard
Profile slot	10
Open slots	8
Modular dimension	45 mm
Length (this article)	1000 mm
Length min / max	80 mm / 6000 mm
Material	Aluminum, anodized
Color	Natural
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
Moment of torsion resistance W_t	26 cm ³
Profile surface area A	38.4 cm ²
Mass m	10.4 kg/m
Packaging unit	1