

Strut Profile 45x45 D17/M12, Anodized Aluminum, 4 Slots, Length 90-6000 mm - Bosch Rexroth 3842990640

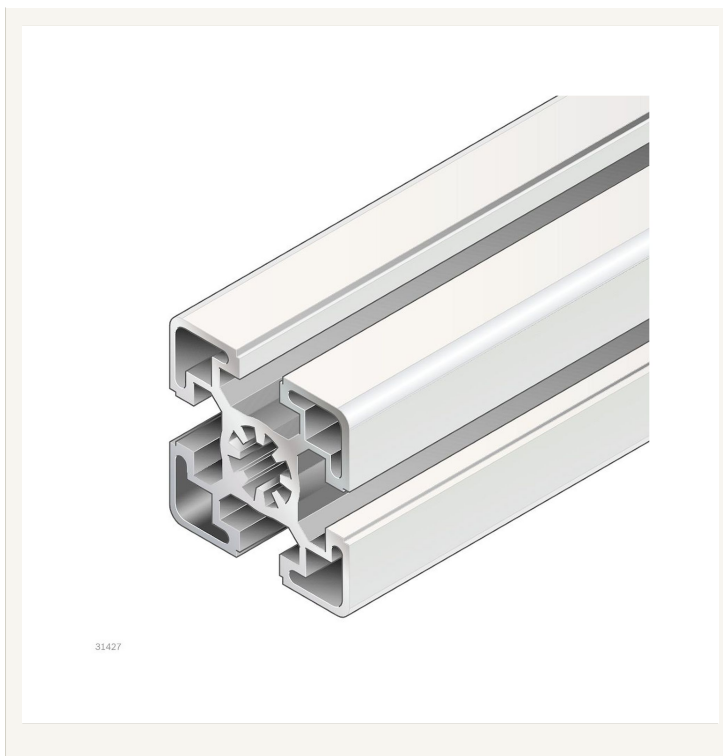
Item no. BRR-3842990640

Manufacturer Bosch Rexroth

Extruded anodized aluminum strut profile, 45x45 mm cross-section, with four open slots (slot width 10 mm) and a 45 mm modular dimension for the Bosch Rexroth assembly system. Supplied cut to length between 90 mm and 6000 mm, it suits machine frames, workstation structures, and equipment enclosures. Connection bore D17 for M12 connectors.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
HS-Code	76169990
Note	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



DESCRIPTION

The Strut Profile 45x45 D17/M12 in anodized aluminum is a core structural element of the Bosch Rexroth assembly system. Four open slots (width 10 mm) on a 45 mm grid allow connectors, brackets, and panels to be added in any direction without repositioning the profile. Custom cutting from 90 mm to 6000 mm eliminates on-site sawing and reduces assembly time.

- Four open slots - connectors, holders, and covers can be attached at any point along the profile
- Cut to length from 90 mm to 6000 mm - no material waste, ready to install
- Anodized surface - corrosion-resistant and easy to clean in production environments
- Symmetric section $I_x = I_y = 13.8 \text{ cm}^4$ - equal load capacity in both principal directions
- Profile surface 7.5 cm^2 at 2 kg/m - high stiffness-to-weight ratio

TECHNICAL DATA

Property	Value
Cross-section	45 x 45 mm
Profile type	Standard
Modular dimension	45 mm
Open slots	4
Slot width	10 mm

Property	Value
Connection bore / thread	D17 / M12
Length min.	90 mm
Length max.	6000 mm
Material	Aluminum, anodized
Color	Natural
Mass	2 kg/m
Profile surface [A]	7.5 cm ²
Area moment of inertia [$I_x = I_y$]	13.8 cm ⁴
Moment of resistance [$W_x = W_y$]	6.1 cm ³
Torsional moment of inertia [I_t]	2.65 cm ⁴
Moment of torsion resistance [W_t]	0.96 cm ³
Packaging unit	1 piece