

Strebenprofil 45x45, 4 Nuten, ESD-geeignet, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842990644-1000

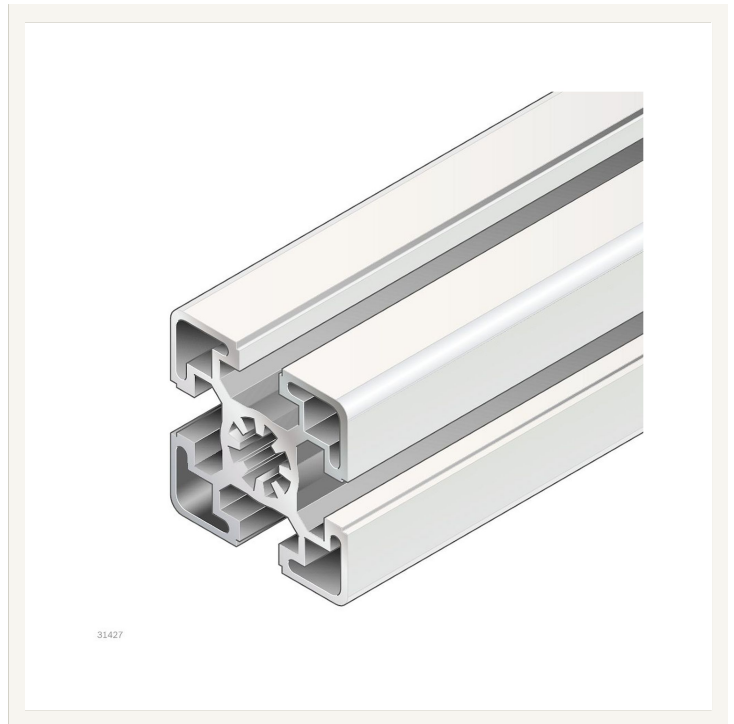
Item no. BRR-3842990644-1000

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with 45x45 mm cross-section and four open slots (modular dimension 45 mm) for building flexible assembly, workstation, and conveyor-frame structures. ESD-rated, slot size 10, supplied at 1000 mm - custom lengths available from 80 mm to 6000 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



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The Bosch Rexroth Strut Profile 45x45 D17/D17 is a standard-type anodized aluminum profile with four open slots and a 45 mm modular dimension. It serves as the load-bearing backbone for assembly frames, machine guards, conveyor structures, and ergonomic workstations - with ESD suitability for use in electrostatic-sensitive production environments.

- Four open slots on all faces allow connections at any orientation without drilling or welding
- ESD-rated for use in electrostatic-protected areas
- Anodized aluminum surface: corrosion-resistant, lightweight, and durable
- Area moment of inertia $I_x = I_y = 13.8 \text{ cm}^4$ and moment of resistance $W_x = W_y = 6.1 \text{ cm}^3$ for high bending stiffness
- Supplied at 1000 mm; custom lengths from 80 mm to 6000 mm available

TECHNICAL DATA

Attribute	Value
Cross-section	45x45 mm
Modular dimension	45 mm

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Attribute	Value
Profile slot	10
Open slots	4
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
ESD	Yes
Profile surface [A]	7.5 cm ²
Mass [m]	2 kg/m
Area moment of inertia [Ix = Iy]	13.8 cm ⁴
Moment of resistance [Wx = Wy]	6.1 cm ³
Torsional moment of inertia [It]	2.65 cm ⁴
Moment of torsion resistance [Wt]	0.96 cm ³
Length min	80 mm
Length max	6000 mm
Supplied length (this order)	1000 mm
Packaging unit	1
Recommended accessories	Cover cap 45x45 signal gray, Cover cap 45x45 black, Cover cap with hole 45x45 signal gray, Cap with hole 45x45 black