

Strebenprofil 90x180 F2/F2, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842990421-1000

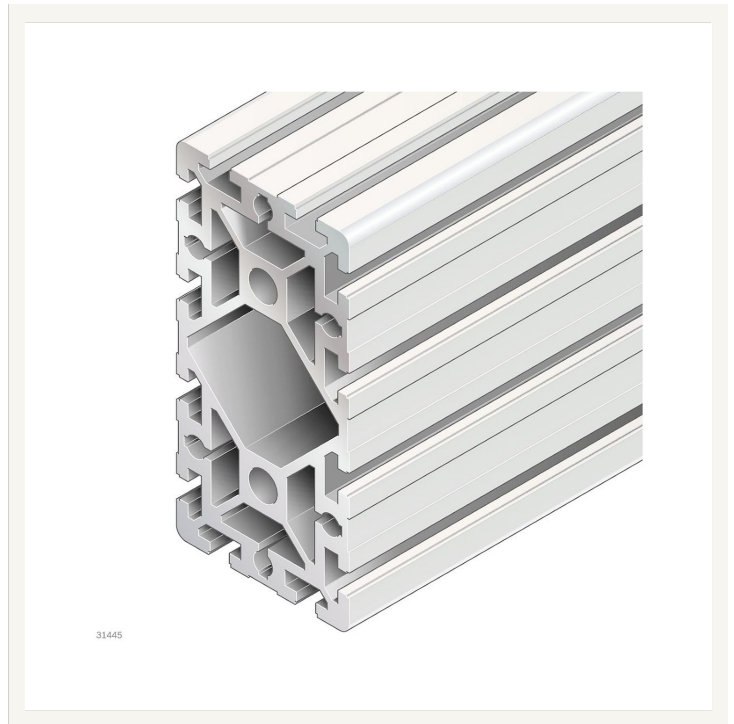
Item no. BRR-3842990421-1000

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with a 90x180 mm cross-section, 12 open slots, and a modular dimension of 45 mm. Area moment of inertia I_x 2138.3 cm⁴ and moment of resistance W_x 237.6 cm³ for demanding load-bearing structures in mechanical engineering and automation. Available in lengths from 110 mm to 6000 mm, standard length 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 Strut Profile 90x180 F2/F2 from Bosch Rexroth is an anodized aluminum profile for heavy structural frames, machine bases, and automation systems. Its asymmetric 90x180 mm cross-section with 12 open slots allows flexible connections in all directions without reworking.

- High bending stiffness: I_x 2138.3 cm⁴ / W_x 237.6 cm³ in the x-direction
- Torsional moment of inertia I_t 429 cm⁴, torsional moment of resistance W_t 64 cm³
- 12 open slots (slot width 10 mm) for connectors, sensors, and covers without disassembly
- Modular dimension 45 mm - compatible with the full Bosch Rexroth assembly system
- Factory-machined: M16 threads in all core bores; D17V and LF in slots A/H and B/G; LF-S in slots D/K and E/J
- Anodized aluminum: corrosion-resistant, easy to clean, natural color finish
- Length freely selectable from 110 mm to 6000 mm (standard length 1000 mm, packaging unit 1 piece)

TECHNICAL DATA

Property	Value
Cross-section	90x180 mm
Profile type	Standard
Profile slot	10 mm

Property	Value
Open slots	12
Modular dimension	45 mm
Length min / max	110 mm / 6000 mm
Profile surface [A]	63.6 cm ²
Area moment of inertia [Ix]	2138.3 cm ⁴
Moment of resistance [Wx]	237.6 cm ³
Area moment of inertia [Iy]	544.3 cm ⁴
Moment of resistance [Wy]	121 cm ³
Torsional moment of inertia [It]	429 cm ⁴
Torsional moment of resistance [Wt]	64 cm ³
Mass [m]	17.2 kg/m
Material	Aluminum, anodized
Color	Natural
Profile machining	M16 in all core bores; D17V and LF in slots A/H, B/G; LF-S in slots D/K, E/J
Packaging unit	1 piece