

Strebenprofil 90x180 F2/F2 - eloxiertes Aluminiumprofil mit 12 offenen Nuten - Bosch Rexroth 3842990421

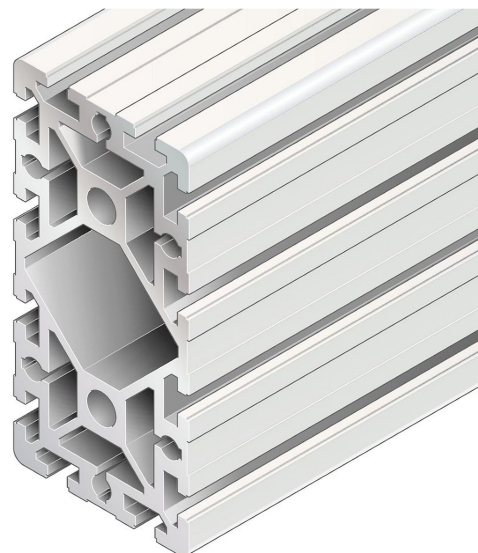
Item no. BRR-3842990421

Manufacturer Bosch Rexroth

The Strut Profile 90x180 F2/F2 is an anodized aluminum profile with 12 open slots and a modular dimension of 45 mm, designed for building load-bearing machine frames, workstations, and enclosures. An area moment of inertia of 2138.3 cm⁴ in the x-direction delivers high bending stiffness at low weight. Available cut to length from 110 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	0.1 kg
Zolltarifnummer	76169990



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DESCRIPTION

The Bosch Rexroth Strut Profile 90x180 F2/F2 is a structural anodized aluminum profile with a 90x180 mm cross-section. It forms part of the Rexroth modular profile system and is used in machine frames, assembly workstations, protective enclosures, and conveyor structures where high bending and torsional stiffness are required.

- 12 open profile slots (slot size 10) for maximum connection flexibility on all faces
- 45 mm modular dimension - fully compatible with the Bosch Rexroth modular building system
- High bending stiffness: area moment of inertia $I_x = 2138.3 \text{ cm}^4$, moment of resistance $W_x = 237.6 \text{ cm}^3$
- Pre-machined bores (M16) and slots (D17V, LF, LF-S) for fast assembly without additional machining
- Anodized aluminum - corrosion resistant, abrasion resistant, natural finish
- Cut to length from 110 mm to 6000 mm, packaging unit 1 piece

TECHNICAL DATA

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

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Page 1/2

Property	Value
Modular dimension	45 mm
Open slots	12
Length min (L min)	110 mm
Length max (L max)	6000 mm
Profile surface (A)	63.6 cm ²
Mass (m)	17.2 kg/m
Area moment of inertia x (Ix)	2138.3 cm ⁴
Moment of resistance x (Wx)	237.6 cm ³
Area moment of inertia y (Iy)	544.3 cm ⁴
Moment of resistance y (Wy)	121 cm ³
Torsional moment of inertia (It)	429 cm ⁴
Moment of torsion resistance (Wt)	64 cm ³
Profile adaption	M16 in all core bores; D17V, LF in slots A/H and B/G; LF-S in slots D/K and E/J
Material	Aluminum, anodized
Color	Natural
Packaging unit	1 piece
Recommended accessories	Cover cap 90x90 black, Cover cap 90x90 signal gray, Cover cap with hole 90x90 black, Cover cap with hole 90x90 signal gray