

Strebenprofil 90x180, 12 offene Nuten, eloxiertes Aluminium - Bosch Rexroth 3842993676

Item no. BRR-3842993676

Manufacturer Bosch Rexroth

Heavy-section strut profile with a 90x180 mm cross-section, 12 open slots and a modular pitch of 45 mm for demanding load-bearing frame structures. The anodized aluminum profile delivers an area moment of inertia of 2138 cm⁴ in the x-direction and is available in cut lengths from 80 to 6070 mm. Standard and customized profile finishing options allow direct integration into Bosch Rexroth assembly systems.

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	76042100



DESCRIPTION

The Bosch Rexroth Strut Profile 90x180 is a high-load aluminum structural profile for primary frames and support structures in assembly and automation systems. A linear mass of 17.2 kg/m, an area moment of inertia of 2138.3 cm⁴ (x-direction) and 12 open slots provide the structural rigidity and connection flexibility required for large-scale assemblies.

- 12 open slots (slot width 10 mm, modular pitch 45 mm) for maximum connection options on all faces
- High bending stiffness: $I_x = 2138.3 \text{ cm}^4$, $W_x = 237.6 \text{ cm}^3$ (x-direction); $I_y = 544.3 \text{ cm}^4$, $W_y = 121 \text{ cm}^3$ (y-direction)
- Torsional moment of inertia $I_t = 429 \text{ cm}^4$, moment of torsion resistance $W_t = 64 \text{ cm}^3$
- Anodized aluminum, natural color - corrosion-resistant and suitable for industrial and cleanroom environments
- Available in lengths from 80 mm to 6070 mm, packaging unit 1 piece
- Standard profile finishing: M16 / D9.8 / D17 / DB17 / F1 at specified slots (observe minimum length requirements)
- Customized profile finishing: DI / DIS / MT / MTS / MI / MIS / DG (DGmax = 30°, Lmin1/Lmin2 = 404/508 mm)

TECHNICAL DATA

Property	Value
Cross-section	90x180 mm
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
Open slots	12
Profile slot width	10 mm
Modular dimension	45 mm
Length min	80 mm
Length max	6070 mm
Mass	17.2 kg/m
Profile surface	63.6 cm ²
Area moment of inertia I _x	2138.3 cm ⁴
Moment of resistance W _x	237.6 cm ³
Area moment of inertia I _y	544.3 cm ⁴
Moment of resistance W _y	121 cm ³
Torsional moment of inertia I _t	429 cm ⁴
Moment of torsion resistance W _t	64 cm ³
Packaging unit	1 piece
Recommended accessories	Cover cap 90x90 (black / signal gray), cover cap with hole 90x90 (black / signal gray)