

Strut Profile 90x180L Q&E, Anodized Aluminum, 12 Slots - Bosch Rexroth 3842993677

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Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with a 90x180 mm cross-section, 12 open slots, and Q&E profile finishing for flexible structural framing in machinery and industrial equipment. The anodized standard profile is cut to length from 80 mm to 6070 mm and delivers an area moment of inertia of 1380 cm⁴ (x-direction) for demanding load-bearing applications. Fully compatible with the Bosch Rexroth 45 mm modular grid and standard M12 connectors.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
HS-Code	76042100
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 90x180L Q&E is an anodized extruded aluminum profile with a 90x180 mm cross-section, designed for load-bearing frame and support structures in mechanical engineering and industrial facility fit-out. With 12 open slots, a 45 mm modular dimension, and a configurable cut length from 80 mm to 6070 mm, it adapts precisely to project-specific structural requirements.

- High bending stiffness in the primary load direction: area moment of inertia $I_x = 1380 \text{ cm}^4$, moment of resistance $W_x = 153.3 \text{ cm}^3$
- 12 open slots allow bolt-in connections and attachments in any direction without drilling
- 45 mm modular grid - fully compatible with the Bosch Rexroth profile system and all 90-series standard connectors
- Standard profile finishing M12 / D9.8 / D17 / DB17 / F1 at specified slots; customized finishing DI, DIS, MT, MTS, MI, MIS, DG available on request
- Anodized natural finish - corrosion-resistant, suitable for industrial and cleanroom environments
- Packaging unit: 1 piece; cut to length (L min 80 mm, L max 6070 mm)

TECHNICAL DATA

Property	Value
Cross-section	90x180 mm
Dimensions	90x180 mm

Property	Value
Profile type	Standard
Profile slot width	10 mm
Modular dimension	45 mm
Open slots	12
Length min (L min)	80 mm
Length max (L max)	6070 mm
Material	Aluminum, anodized
Color	Natural
Mass (m)	11.6 kg/m
Profile surface (A)	42.8 cm ²
Area moment of inertia x (Ix)	1380 cm ⁴
Moment of resistance x (Wx)	153.3 cm ³
Area moment of inertia y (Iy)	401 cm ⁴
Moment of resistance y (Wy)	89.1 cm ³
Torsional moment of inertia (It)	257 cm ⁴
Moment of torsion resistance (Wt)	47.1 cm ³
Standard profile finishing	M12 / D9.8(C,D,E,F,I,J,K,L) / D17(C,D,E,F,I,J,K,L) / DB17 / F1(A,G)
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG
Finishing minimum length	Lmin1 / Lmin2 = 404 / 508 mm; DGmax = 30°
Recommended accessories	Cover cap 90x90L black, Cover cap 90x90L signal gray
Packaging unit	1 piece