

Strut Profile 80x80L, M12/D17, ESD-Suitable, Anodized Aluminum - Bosch Rexroth 3842993148

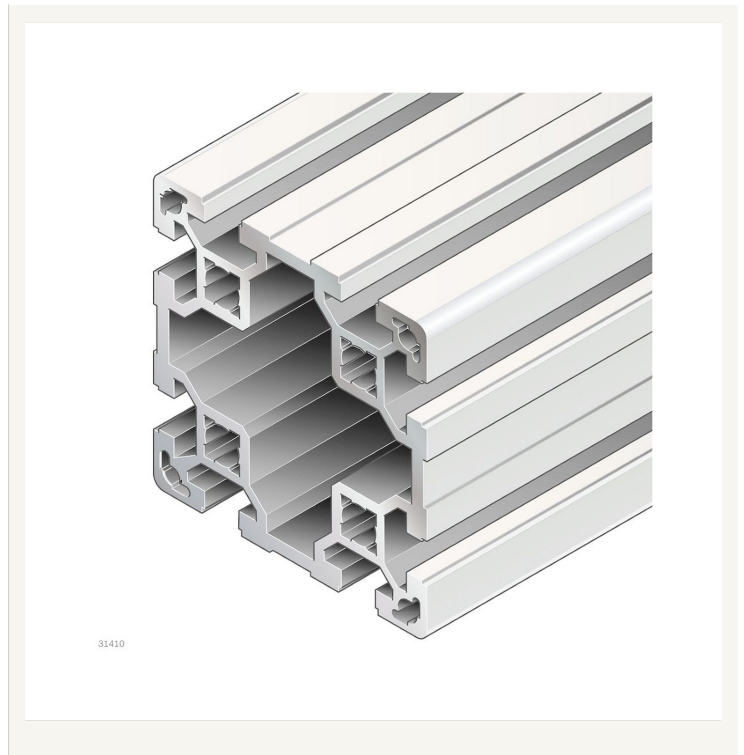
Item no. BRR-3842993148

Manufacturer Bosch Rexroth

The 80x80L strut profile with pre-machined M12 tapped holes in all core bores and D17 clearance holes in selected slots is designed for structural assembly frames where ESD protection is required. Eight open slots (10 mm wide) on a 40 mm grid make it fully compatible with the Rexroth profile system. Available cut to length from 90 to 6000 mm.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
HS-Code	76169990
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



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The Bosch Rexroth 80x80L strut profile is an ESD-suitable structural aluminum profile for the Rexroth 80 modular system. Its 80x80 mm cross-section with 8 open slots (10 mm slot width, 40 mm grid) integrates directly with the full range of Rexroth connectors, fasteners and panels. Pre-machined M12 threads in all core bores and D17 clearance holes in slots A/F and B/E (D17V in C/H and D/G) eliminate on-site drilling and reduce assembly time.

- ESD-suitable: safe for use in electrostatic-sensitive assembly and test environments
- High bending stiffness: area moment of inertia $I_x = I_y = 132.1 \text{ cm}^4$, section modulus $W_x = W_y = 33 \text{ cm}^3$
- Pre-machined connections: M12 tapped holes and D17 clearance holes ready for immediate use
- Flexible cut-to-length: 90 to 6000 mm, custom lengths available
- Corrosion-resistant: anodized aluminum, natural color

TECHNICAL DATA

Property	Value
Cross-section	80x80L

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Property	Value
Dimensions	80 x 80 mm
Profile type	Standard
Modular dimension	40 mm
Profile slot width	10 mm
Open slots	8
Profile adaption	M12: all core bores - D17: slots A/F, B/E - D17V: slots C/H, D/G
Material	Aluminum, anodized
Color	Natural
ESD	Yes
Length min.	90 mm
Length max.	6000 mm
Profile surface [A]	18.2 cm ²
Area moment of inertia I _x	132.1 cm ⁴
Area moment of inertia I _y	132.1 cm ⁴
Section modulus W _x	33 cm ³
Section modulus W _y	33 cm ³
Torsional moment of inertia I _t	59.8 cm ⁴
Torsional section modulus W _t	17.2 cm ³
Mass	4.9 kg/m
Packaging unit	1
Recommended accessories	Cover cap 80x80 signal gray - Cover cap 80x80 black