

Strebenprofil 80x80L M12/M12, 1000 mm - Bosch Rexroth 3842993147-1000

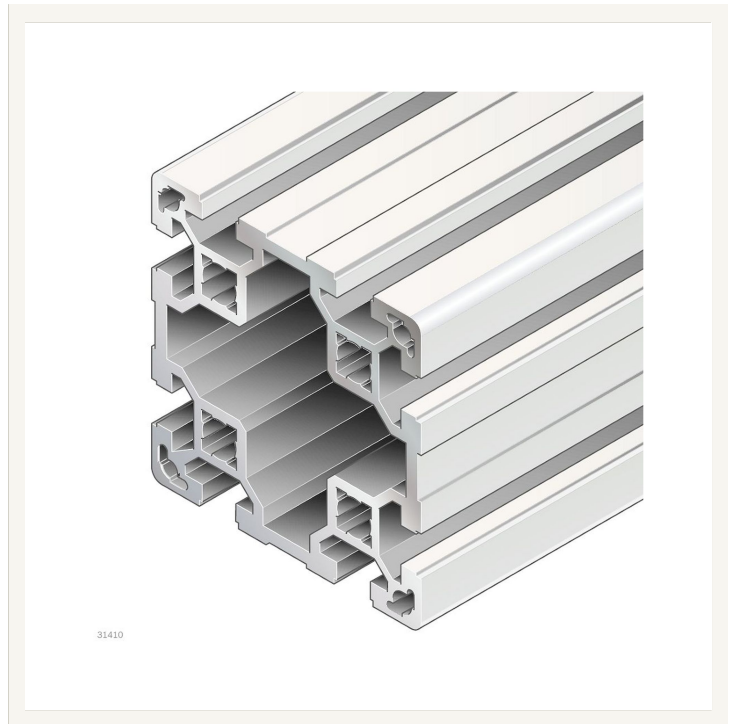
Item no. BRR-3842993147-1000

Hersteller Bosch Rexroth

Aluminum strut profile with 80x80L cross-section and M12 tapping in all central bores, designed for structural frames in assembly and automation systems. The anodized, ESD-compliant profile features 8 open slots on a 40 mm grid and can be cut to any length between 110 mm and 6000 mm. Supplied as a single piece in the ordered length.

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



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The 80x80L strut profile with M12/M12 machining is the primary structural member in the Bosch Rexroth aluminum profile system, built for demanding assembly, production, and automation frames. Its symmetrical 80x80 L-geometry delivers high bending and torsional stiffness at low weight, while ESD certification makes it suitable for electrostatically sensitive environments.

- 8 open slots (slot width 10 mm, modular dimension 40 mm) for versatile connections on all faces
- M12 tapping in all central bores, plus D17 and D17V holes in defined slots for fast, reliable assembly
- Anodized aluminum (natural color) - corrosion-resistant and durable
- ESD-certified - suitable for electrostatic protected area (EPA) workstations
- Custom cut length: 110 mm to 6000 mm, packaging unit 1 piece

TECHNICAL DATA

Property	Value
Cross-section	80x80L
Dimensions [mm]	80x80

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Property	Value
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
ESD	Yes
Profile slot [mm]	10
Modular dimension [mm]	40
Open slots	8
Length min [mm]	110
Length max [mm]	6000
Packaging unit	1
Profile adaption	M12 in all central bores; D17 in slots A/F, B/E; D17V in slots C/H, D/G
Profile surface A [cm ²]	18.2
Mass m [kg]	4.9
Area moment of inertia I _x [cm ⁴]	132.1
Area moment of inertia I _y [cm ⁴]	132.1
Moment of resistance W _x [cm ³]	33
Moment of resistance W _y [cm ³]	33
Torsional moment of inertia I _t [cm ⁴]	59.8
Moment of torsion resistance W _t [cm ³]	17.2
Recommended accessories	Cover cap 80x80 signal gray, cover cap 80x80 black