

Strebenprofil 80x80L D17/D17V, 1000 mm, eloxiertes Aluminium, ESD- geeignet - Bosch Rexroth 3842993151-1000

Item no. BRR-3842993151-1000

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with an 80x80 mm cross-section (type L) for building load-bearing assembly frames and machine structures. Eight open slots (10 mm) and factory-prepared cores (M12, D17, D17V) allow direct connection without additional machining. ESD-suitable and available in lengths from 80 to 6,000 mm - this 1,000 mm piece is supplied as a single unit.

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 Bosch Rexroth 80x80L strut profile is a symmetric aluminum profile designed for demanding applications in assembly technology, mechanical engineering, and fixture construction. The 80x80 mm (type L) cross-section with eight open 10 mm slots offers equal connection options in all directions. Factory-prepared cores - M12 in all cores, D17 in slots A/F and B/E, D17V in slots C/H and D/G - significantly reduce assembly effort on-site. The anodized natural finish and ESD suitability make this profile equally at home in standard and electrostatic-sensitive production environments.

- High bending stiffness: area moment of inertia $I_x = I_y = 132.1 \text{ cm}^4$, moment of resistance $W_x = W_y = 33 \text{ cm}^3$
- Good torsional stiffness: torsional moment of inertia $I_t = 59.8 \text{ cm}^4$, torsional moment of resistance $W_t = 17.2 \text{ cm}^3$
- Profile surface area $A = 18.2 \text{ cm}^2$, mass $m = 4.9 \text{ kg/m}$
- 40 mm modular dimension for compatibility with the Bosch Rexroth assembly system
- ESD-suitable for use in electrostatic protected areas
- Available in lengths from 80 to 6,000 mm, packaging unit: 1 piece



TECHNICAL DATA

Property	Value
Cross-section	80x80 mm (type L)
Open slots	8
Profile slot width	10 mm
Modular dimension	40 mm
Profile adaption	M12 in all cores; D17 in slots A/F, B/E; D17V in slots C/H, D/G
Material	Aluminum, anodized (natural)
ESD-suitable	Yes
Area moment of inertia I_x / I_y	132.1 cm ⁴
Moment of resistance W_x / W_y	33 cm ³
Torsional moment of inertia I_t	59.8 cm ⁴
Torsional moment of resistance W_t	17.2 cm ³
Profile surface area A	18.2 cm ²
Mass m	4.9 kg/m
Length (this item)	1,000 mm
Available lengths	80 - 6,000 mm
Packaging unit	1 piece
Recommended accessories	Cover cap 80x80 signal gray, cover cap 80x80 black