

Strebenprofil 80x80L M12/D17, 1000 mm, ESD- geeignet, eloxiertes Aluminium - Bosch Rexroth 3842993148-1000

Item no. BRR-3842993148-1000

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with an 80x80L cross-section and 8 open slots for versatile connections in modular assembly systems. ESD-compatible and factory-machined with M12 tapped holes in all core bores and D17 clearance holes in the slots, ready to install without additional machining. Supplied at 1000 mm; cut-to-length available from 90 to 6000 mm.

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 an anodized aluminum extrusion with a square 80x80 cross-section, 8 open slots on a 40 mm modular grid, and a factory-applied M12/D17 hole pattern. It is the structural backbone for machine frames, guards, and ESD-safe workstation systems, offering direct bolt-up assembly without secondary machining.

- 8 open slots (slot width 10 mm) accept a full range of connectors, brackets, and accessories from the Bosch Rexroth profile system
- ESD-compatible: safe for use in areas handling electrostatic-sensitive assemblies
- Anodized surface: corrosion-resistant, wear-resistant, natural color finish
- Available cut-to-length from 90 to 6000 mm; this unit: 1000 mm
- Factory machining eliminates on-site drilling - M12 threads in all core bores; D17 holes in slots A/F and B/E; D17V in slots C/H and D/G

TECHNICAL DATA



Property	Value
Cross-section	80x80L
Dimensions [mm]	80x80
Modular dimension [mm]	40
Profile slot width [mm]	10
Open slots	8
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
ESD-compatible	Yes
Length this unit [mm]	1000
Length min [mm]	90
Length max [mm]	6000
Profile machining	M12 in all core bores; D17 in slots A/F, B/E; D17V in slots C/H, D/G
Profile surface area 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
Packaging unit	1
Recommended accessories	Cover cap 80x80 signal gray, Cover cap 80x80 black