

Strebenprofil 80x80L 6N, eloxiertes Aluminium, ESD-geeignet, 1000 mm - Bosch Rexroth 3842993423-1000

Item no. BRR-3842993423-1000 **Manufacturer** Bosch Rexroth

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The 80x80L 6N strut profile in anodized aluminum is designed for building assembly systems, guarding structures, and machine frames where ESD protection is required. Six open slots on a 40 mm grid allow flexible connections in any direction without drilling. Supplied cut to length from 50 mm to 6070 mm, packaging unit 1 piece.

TECHNICAL DATA

Article authenticity	Original product
Condition of article	New
Country of Manufacture	Germany
ESD-Ausführung	TEC
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	76042100



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The Bosch Rexroth 80x80L 6N strut profile is a structural aluminum extrusion for modular assembly of workstations, protective enclosures, and test systems. The anodized surface provides corrosion resistance and ESD suitability, making the profile a reliable choice for electronics manufacturing environments. Variable-length supply (50 mm to 6070 mm) avoids offcut waste and simplifies ordering.

- Six open slots on a 40 mm modular grid - connect in any direction without drilling
- Anodized aluminum in natural finish - corrosion-resistant and ESD-safe
- High torsional stiffness: torsional moment of inertia 72.6 cm⁴, torsion resistance 15 cm³
- Profile surface 18.8 cm² at 5.1 kg/m - favorable stiffness-to-weight ratio
- Fully compatible with the Bosch Rexroth modular system (40 mm grid, slot width 10)

Technical data

Property	Value
Cross-section	80x80L 6N
Dimensions	80x80 mm
Profile type	6N
Open slots	6
Profile slot	10
Modular dimension	40 mm
Length min. (L min)	50 mm
Length max. (L max)	6070 mm
Condition on delivery	Variable length
Packaging unit	1 piece
Material	Aluminum, anodized
Color	Natural
ESD	Yes
Profile surface (A)	18.8 cm ²
Mass (m)	5.1 kg/m
Area moment of inertia X (Ix)	134.1 cm ⁴
Moment of resistance X (Wx)	33.5 cm ³
Area moment of inertia Y (Iy)	140.9 cm ⁴
Moment of resistance Y (Wy)	36.2 cm ³
Torsional moment of inertia (It)	72.6 cm ⁴
Moment of torsion resistance (Wt)	15 cm ³
Recommended accessories	Cover cap 80x80 signal gray, Mounting hole plug 80x80 black