

Strut Profile 80x80L 6N, Anodized Aluminum, ESD-Suitable - Bosch Rexroth 3842993675

Item no. BRR-3842993675

Manufacturer Bosch Rexroth

Strut profile 80x80L 6N in anodized aluminum for ESD-compliant assembly workstations, machine frames, and guarding structures. Six open slots on all faces with slot width 10 and 40 mm modular dimension allow flexible connection of brackets, connectors, and attachments. Available cut to length from 50 mm to 6070 mm with standard and customized finishing options.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
HS-Code	76042100
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 strut profile 80x80L 6N is a load-bearing aluminum structural profile for building assembly workstations, machine frames, and protective enclosures within the 40 mm modular system. The anodized finish combines mechanical durability with ESD suitability, meeting the requirements of electrostatically sensitive production environments.

- 6 open slots on all faces: full connection freedom for connectors, cantilevers, and attachments without disassembly
- 40 mm modular dimension and slot width 10: fully compatible with the entire Bosch Rexroth aluminum profile system
- ESD-suitable: anodized surface, appropriate for workstations complying with ESD guidelines
- Precise cut-to-length: from 50 mm to 6070 mm, standard and customized profile finishing available
- High bending and torsional rigidity: $I_x = 134.1 \text{ cm}^4$, $I_y = 140.9 \text{ cm}^4$, $I_t = 72.6 \text{ cm}^4$

TECHNICAL DATA

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Property	Value
Cross-section	80x80L 6N
Dimensions	80 x 80 mm
Profile type	6N
Open slots	6
Profile slot width	10
Modular dimension	40 mm
Length min. (L min)	50 mm
Length max. (L max)	6070 mm
Material	Aluminum, anodized
Color	Natural
ESD-suitable	Yes
Mass (m)	5.1 kg/m
Profile surface (A)	18.8 cm ²
Area moment of inertia X (Ix)	134.1 cm ⁴
Area moment of inertia Y (Iy)	140.9 cm ⁴
Moment of resistance X (Wx)	33.5 cm ³
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
Standard profile finishing	M12 / D9.8 / D17 / DB17 / F1(A,C,F)
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG
Finishing note	DGmax = 45°, Lmin1/Lmin2 = 439/578 mm, standard finishing at specified slots
Recommended accessories	Cover cap 80x80 signal gray, mounting hole plug 80x80 black
Packaging unit	1