

Strebenprofil 80x80L 6N, ESD-geeignet, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842993675-1000

Item no. BRR-3842993675-1000

Manufacturer Bosch Rexroth

Extruded anodized aluminum profile 80x80 mm (type 6N) with 6 open slots, 40 mm modular dimension, and ESD compatibility for assembly systems and machine frames. Supplied at 1000 mm cut length, cuttable from 50 mm to 6070 mm. Standard profile finishing options including M12 thread, clearance holes D9.8/D17, and undercut F1 are available to order.

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	76042100



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The Bosch Rexroth Strut Profile 80x80L 6N is an anodized aluminum structural profile with six open slots and a 40 mm modular dimension. It is designed for building machine enclosures, safety guards, conveyor frames, and ergonomic workstation structures where high rigidity and low weight are required. ESD compatibility makes it suitable for electrostatically sensitive production environments.

- High bending stiffness: area moment of inertia $I_x = 134.1 \text{ cm}^4$ / $I_y = 140.9 \text{ cm}^4$
- 6 open slots (slot 10) for versatile connections and attachments on every face
- ESD-compatible for use in electrostatic-sensitive manufacturing areas
- Standard finishing options M12 / D9.8 / D17 / DB17 / F1(A,C,F) selectable at order
- Customized finishing (DI, DIS, MT, MTS, MI, MIS, DG) on request, $DG_{\text{max}} = 45^\circ$
- Recommended accessories: cover cap 80x80 in signal gray or black

TECHNICAL DATA

Parameter	Value
Cross-section	80 x 80 mm (type 6N)
Profile slot	10

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Parameter	Value
Modular dimension	40 mm
Open slots	6
Color	Natural (anodized)
Material	Aluminum, anodized
ESD-compatible	Yes
Supplied length	1000 mm
Length min / max	50 mm / 6070 mm
Mass	5.1 kg/m
Profile surface (A)	18.8 cm ²
Area moment of inertia I _x	134.1 cm ⁴
Area moment of inertia I _y	140.9 cm ⁴
Moment of resistance W _x	33.5 cm ³
Moment of resistance W _y	36.2 cm ³
Torsional moment of inertia (I _t)	72.6 cm ⁴
Moment of torsion resistance (W _t)	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
Packaging unit	1 piece