

Strebenprofil 40x80L 4N, ESD-geeignet, Aluminium eloxiert - Bosch Rexroth 3842993729

Item no. BRR-3842993729 **Manufacturer** Bosch Rexroth

Manufacturer no. 3842993729

Four-sided aluminum strut profile with a 40x80 mm cross-section (type 4N) for structurally demanding assembly frames and machine guarding. Four open slots (slot width 10 mm, modular dimension 40 mm) allow connections on all sides. ESD compatibility, anodized finish, and factory standard or custom profile finishing complete the specification.

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	0.1 kg
Zolltarifnummer	76042100



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The 40x80L 4N strut profile in anodized aluminum is a structural backbone for frames, guarding, and automation structures where rigidity and ESD safety are required. Four open slots on all longitudinal faces, a modular dimension of 40 mm, and the standard 10 mm slot width integrate it directly into the Bosch Rexroth modular system. Standard factory finishing options (M12 / D9.8 / D17 / DB17 / F1(A,D)) and customized finishing (DI / DIS / MT / MTS / MI / MIS / DG) are available - minimum

lengths for finishing operations apply ($L_{min1} / L_{min2} = 439/578$ mm, $DG_{max} = 45^\circ$).

- ESD-compatible - suitable for electrostatic-sensitive production environments
- Anodized aluminum - corrosion-resistant, natural color
- Four open slots - full connectivity on every face
- Available from L min 50 mm to L max 6070 mm, supplied individually (packaging unit 1)
- High bending stiffness: $I_x = 65.2$ cm⁴, $W_x = 16.3$ cm³ (x-direction); $I_y = 19.1$ cm⁴, $W_y = 9.9$ cm³ (y-direction)

Technical data

Property	Value
Cross-section	40x80L 4N
Dimensions [mm]	40x80
Profile type	4N
Open slots	4
Profile slot [mm]	10
Modular dimension [mm]	40
Length min [mm]	50
Length max [mm]	6070
Mass [kg/m]	2.8
Profile surface A [cm ²]	10.4
Area moment of inertia I_x [cm ⁴]	65.2
Area moment of inertia I_y [cm ⁴]	19.1
Moment of resistance W_x [cm ³]	16.3
Moment of resistance W_y [cm ³]	9.9
Torsional moment of inertia I_t [cm ⁴]	13.3
Moment of torsion resistance W_t [cm ³]	4.4
Material	Aluminum, anodized
Color	Natural
ESD	Yes
Standard profile finishing	M12 / D9.8 / D17 / DB17 / F1(A,D)
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG
Packaging unit	1