

Strebenprofil 80x160L D17/- ESD-geeignet, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842993154-1000

Item no. BRR-3842993154-1000

Manufacturer Bosch Rexroth

Large-format aluminum strut profile with 80x160L cross-section for heavy-duty machine frames, assembly structures, and industrial workstations. Anodized finish with ESD suitability, 12 open slots, and pre-machined M12 and D17 holes ready for immediate assembly without rework. Cut to length between 60 and 6000 mm, supplied as a single piece.

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 Strut Profile 80x160L D17/- is a large-section aluminum profile designed for demanding load-bearing structures, machine bases, and industrial assembly lines. The asymmetric 80x160 mm cross-section with a 40 mm modular dimension delivers high bending stiffness in the primary load direction while keeping mass well controlled. The anodized surface provides lasting corrosion protection and ESD suitability - a decisive advantage in electronics and semiconductor manufacturing environments.

- 12 open slots (slot width 10 mm) for flexible attachment of connectors, sensors, and add-on components on all sides
- Pre-machined M12 tapped holes in all core pulls and D17 bores in defined slots (C/L, D/K, E/J, F/I); D17V bores in slots A/H, B/G - assembly-ready with no rework
- High bending stiffness: area moment of inertia I_x 850.7 cm⁴, moment of resistance W_x 106.3 cm³
- Profile surface area 32.9 cm², mass 8.9 kg/m - favorable strength-to-weight ratio
- Cut-to-length from 60 to 6000 mm, packaging unit 1 piece

TECHNICAL DATA

Parameter	Value
Cross-section	80x160 mm (type 80x160L)
Profile type	Standard
Modular dimension	40 mm
Profile slot width	10 mm
Open slots	12
ESD suitable	Yes
Material	Aluminum, anodized
Color	Natural
Profile surface [A]	32.9 cm ²
Mass [m]	8.9 kg/m
Area moment of inertia X [Ix]	850.7 cm ⁴
Moment of resistance X [Wx]	106.3 cm ³
Area moment of inertia Y [Iy]	253.4 cm ⁴
Moment of resistance Y [Wy]	63.4 cm ³
Torsional moment of inertia [It]	182 cm ⁴
Moment of torsion resistance [Wt]	41.1 cm ³
Profile adaption	M12 in all core pulls; D17 in slots C/L, D/K, E/J, F/I; D17V in slots A/H, B/G
Length min. [L min]	60 mm
Length max. [L max]	6000 mm
Packaging unit	1 piece
Recommended accessories	Cover cap 80x80 signal gray, Mounting hole plug 80x80 black