

Strebenprofil 80x160L M12, ESD-geeignet, Aluminium eloxiert - Bosch Rexroth 3842993128

Item no. BRR-3842993128

Manufacturer Bosch Rexroth

The 80x160L strut profile with M12 core bore preparation is a high-capacity aluminum section for heavy-duty machine frames, structural assemblies, and workstation systems. Twelve open slots, a 40 mm modular grid, and certified ESD compatibility make it suitable for electronics manufacturing and special-purpose machinery. Available cut to length from 60 mm to 6000 mm.

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	0.1 kg
Zolltarifnummer	76169990

STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The 80x160L strut profile is a large-format section from the Bosch Rexroth assembly technology system, designed for structurally loaded frames, machine bases, and worktables with high rigidity requirements. Pre-machined M12 core bores in all core pulls and D17 bores in the slot positions allow direct bolted connections without further machining. ESD suitability is confirmed.

- High bending stiffness: area moment of inertia I_x 850.7 cm⁴ and moment of resistance W_x 106.3 cm³ for substantial load capacity in the x-direction
- 12 open slots (slot width 10 mm, modular dimension 40 mm) for maximum connection flexibility on all faces
- ESD-rated for safe use in electrostatically sensitive production and test environments
- Pre-machined: M12 in all core pulls, D17 in slots C/L, D/K, E/J, F/I, D17V in slots A/H, B/G
- Cut to length: 60 mm to 6000 mm, packaging unit 1 piece

TECHNICAL DATA



Property	Value
Cross-section	80x160L
Dimensions [mm]	80x160
Profile type	Standard
Modular dimension [mm]	40
Profile slot [mm]	10
Open slots	12
ESD	yes
Color	Natural
Material	Aluminum, anodized
Length min [mm]	60
Length max [mm]	6000
Profile surface A [cm ²]	32.9
Mass m [kg/m]	8.9
Area moment of inertia I _x [cm ⁴]	850.7
Moment of resistance W _x [cm ³]	106.3
Area moment of inertia I _y [cm ⁴]	253.4
Moment of resistance W _y [cm ³]	63.4
Torsional moment of inertia I _t [cm ⁴]	182
Moment of torsion resistance W _t [cm ³]	41.1
Profile adaption	M12: all core pulls; D17: slots C/L, D/K, E/J, F/I; D17V: slots A/H, B/G
Recommended accessories	Cover cap 80x80 signal gray, mounting hole plug 80x80 black
Packaging unit	1