

Strut profile 80x160L M12, ESD-rated, anodized aluminum - 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
HS-Code	76169990
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 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