

Strebenprofil 80x120L M12/M12, eloxiertes Aluminium, 1000 mm - Bosch Rexroth 3842993203-1000

Item no. BRR-3842993203-1000

Manufacturer Bosch Rexroth

Heavy-section strut profile with an 80x120L cross-section in anodized aluminum for load-bearing frames, machine bases, and long-span traverses. ESD-compliant, with 10 open slots and factory-machined M12 threads in all core bores plus D17 bores in face slots. Grid dimension 40 mm, fully compatible with the Bosch Rexroth 80-series profile system.

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 strut profile 80x120L delivers high bending stiffness in the x-direction - area moment of inertia 389.2 cm⁴ (I_x), section modulus 64.9 cm³ (W_x) - making it the right choice for heavily loaded frames, cantilever traverses, and machine bases in special-purpose and industrial automation applications. The anodized aluminum construction is ESD-compliant and integrates directly into the Bosch Rexroth 80-series modular system via the 40 mm grid dimension.

- 10 open slots (slot width 10 mm) on all faces accept the full range of 80-series connectors, brackets, and accessories
- Factory machining included: M12 threads in all core bores, D17 bores in slots C/J, D/I, and E/H, D17V bores in slots A/G and B/F
- ESD-compliant - suitable for electrostatic-sensitive assembly environments
- Available cut lengths from 110 mm to 6000 mm, packaging unit 1 piece
- Recommended accessories: cover cap 80x120 in signal gray or black

TECHNICAL DATA



Property	Value
Cross-section	80x120L
Dimensions [mm]	80x120
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
ESD	Yes
Modular dimension [mm]	40
Profile slot width [mm]	10
Open slots	10
Length min. [mm]	110
Length max. [mm]	6000
Mass [kg/m]	6.9
Profile surface A [cm ²]	25.6
Area moment of inertia I _x [cm ⁴]	389.2
Section modulus W _x [cm ³]	64.9
Area moment of inertia I _y [cm ⁴]	192.8
Section modulus W _y [cm ³]	48.2
Torsional moment of inertia I _t [cm ⁴]	119
Torsional section modulus W _t [cm ³]	29.1
Profile machining	M12 in all core bores; D17 in slots C/J, D/I, E/H; D17V in slots A/G, B/F
Packaging unit	1