

Strebenprofil 80x160L M12, ESD-geeignet, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842993128-1000

Item no. BRR-3842993128-1000

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with an 80x160L cross-section, 12 open slots and M12 tapped core bores on all axes. The anodized finish is ESD-rated and corrosion-resistant, making it well suited for load-bearing frames and assembly stations on a 40 mm grid. Supplied at 1000 mm; can be cut to length between 60 mm and 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	0.0099 kg
Zolltarifnummer	76169990



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The 80x160L strut profile is the highest-capacity standard profile in the Bosch Rexroth aluminum profile system. An area moment of inertia of 850.7 cm⁴ in the x-direction and a moment of resistance of 106.3 cm³ allow long spans at low weight, making it the right choice for machine frames, gantry structures and heavily loaded assembly stations. The anodized surface meets ESD requirements and resists corrosion without additional coating.

- 12 open slots (slot width 10 mm) for maximum connection flexibility on all faces
- M12 threads in all core bores for direct bolted connections without additional hardware
- D17 bores in slots C/L, D/K, E/J, F/I and D17V bores in slots A/H, B/G for T-nut and connector use
- 40 mm modular dimension - fully compatible with the Bosch Rexroth aluminum profile system
- ESD-rated for use in electrostatically sensitive production and test environments
- Cut to length on request: minimum 60 mm, maximum 6000 mm

TECHNICAL DATA

Property	Value
Cross-section	80x160L

boxic24.com

Keldersstr. 15

42697 Solingen, Deutschland

VAT ID: DE269659389

Phone: +49 212 38340680

shop@boxic24.com

boxic24.com

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Property	Value
Dimensions	80x160 mm
Length (this variant)	1000 mm
Length min / max	60 mm / 6000 mm
Modular dimension	40 mm
Profile slot width	10 mm
Open slots	12
Profile adaption	M12 in all core bores; D17 in slots C/L, D/K, E/J, F/I; D17V in slots A/H, B/G
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
ESD	Yes
Profile surface [A]	32.9 cm ²
Mass [m]	8.9 kg/m
Area moment of inertia x [Ix]	850.7 cm ⁴
Area moment of inertia y [Iy]	253.4 cm ⁴
Moment of resistance x [Wx]	106.3 cm ³
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
Recommended accessories	Cover cap 80x80 signal gray, mounting hole plug 80x80 black
Packaging unit	1