

# Strebenprofil 80x80L M12, ESD-geeignet, eloxiertes Aluminium, 1000 mm - Bosch Rexroth 3842993134-1000

**Item no.** BRR-3842993134-1000 **Manufacturer** Bosch Rexroth

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Square 80x80L aluminum strut profile with M12 tapped cores, 8 open slots (40 mm grid) and ESD suitability. The anodized profile integrates directly into the Bosch Rexroth profile system for rigid machine frames, assembly stations, and automation structures. Supplied at 1000 mm; custom lengths from 60 to 6000 mm available.

## TECHNICAL DATA

Article authenticity	<b>Original product</b>
Condition of article	<b>New</b>
Country of Manufacture	<b>Germany</b>
ESD-Ausführung	<b>TEC</b>
Hinweis	<b>Gemäß der aktuellen Preisstruktur werden für Bestellungen von Profilen mit einer Länge von 1500 mm zusätzliche Kosten in Höhe von 80,00 Euro berechnet.</b>
Weight	<b>0.0099 kg</b>
Zolltarifnummer	<b>76169990</b>



## STANDARDS & COMPLIANCE

**ESD safe**

## DESCRIPTION

The 80x80L strut profile is a symmetric, anodized aluminum structural section for demanding machine frames, assembly stations, and automation enclosures. Eight open slots (10 mm slot width, 40 mm grid) combined with M12 tapped cores in all central bores and D17/D17V clearance holes in the slots enable fast, precise connections throughout the Bosch Rexroth profile system. ESD suitability makes it directly applicable in electrostatically protected production areas.

- 8 open slots (10 mm width, 40 mm grid) - flexible connector and accessory placement
- M12 tapped cores throughout; D17 holes in slots A/F and B/E; D17V holes in slots C/H and D/G - no separate drilling needed
- ESD-suitable - safe for use in electrostatic discharge-sensitive environments
- Anodized aluminum, natural - corrosion-resistant, lightweight, dimensionally stable
- Symmetric cross-section: equal area moments of inertia in both axes ( $I_x = I_y = 132.1 \text{ cm}^4$ )
- Supplied at 1000 mm; cut-to-length from 60 to 6000 mm on request

## Technical data

Property	Value
Cross-section	80x80L
Dimensions [mm]	80x80
Delivery length [mm]	1000
Length min / max [mm]	60 / 6000
Modular dimension [mm]	40
Profile slot [mm]	10
Open slots	8
Profile type	Standard
Profile adaption	M12 in all central bores; D17 in slots A/F, B/E; D17V in slots C/H, D/G
Material	Aluminum, anodized
Color	Natural
ESD	Yes
Profile surface [A] [cm <sup>2</sup> ]	18.2
Mass [m] [kg]	4.9
Area moment of inertia $I_x$ [cm <sup>4</sup> ]	132.1
Area moment of inertia $I_y$ [cm <sup>4</sup> ]	132.1
Moment of resistance $W_x$ [cm <sup>3</sup> ]	33
Moment of resistance $W_y$ [cm <sup>3</sup> ]	33
Torsional moment of inertia $I_t$ [cm <sup>4</sup> ]	59.8
Moment of torsion resistance $W_t$ [cm <sup>3</sup> ]	17.2
Packaging unit	1
Recommended accessories	Cover cap 80x80, signal gray; Mounting hole plug 80x80, black