

# Strebenprofil 40x80L M12, eloxiertes Aluminium, 1000 mm - Bosch Rexroth 3842993131-1000

**Item no.** BRR-3842993131-1000 **Manufacturer** Bosch Rexroth

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Strut profile 40x80L with M12 core-hole machining in anodized aluminum for building rigid assembly frames, guards, and fixtures. Six open slots (modular dimension 40 mm, slot width 10 mm) allow connections in all orientations. ESD-suitable; supplied at 1000 mm, cut-to-length from 60 mm 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 40x80L strut profile is a structural component of the Bosch Rexroth profile system, suited for assembly frames, machine guards, and workstation structures. Its asymmetric cross-section delivers a significantly higher area moment of inertia in the x-direction ( $I_x = 63.4 \text{ cm}^4$ ) than in the y-direction ( $I_y = 17.3 \text{ cm}^4$ ), allowing load-optimized orientation within the structure. Factory machining includes M12 threads in all core holes plus D17 and D17V bores in the respective slots, enabling direct bolted

connections without additional drilling.

- Six open slots for maximum connection flexibility on all faces
- Anodized aluminum with ESD suitability - safe in electrostatic-sensitive environments
- Pre-machined M12 core holes and D17/D17V bores - no secondary drilling required
- High bending stiffness in the x-direction:  $W_x = 15.9 \text{ cm}^3$ ,  $I_x = 63.4 \text{ cm}^4$
- Cut-to-length from 60 mm to 6000 mm; supplied as single piece

## Technical data

Property	Value
Cross-section	40x80L
Profile type	Standard
Modular dimension	40 mm
Profile slot	10 mm
Open slots	6
Profile machining	M12 in all core holes; D17 in slots B/F, C/E; D17V in slots A/D
Material	Aluminum, anodized
Color	Natural
ESD-suitable	Yes
Length (this unit)	1000 mm
Min / max length	60 mm / 6000 mm
Mass	2.7 kg
Profile surface [A]	9.9 cm <sup>2</sup>
Area moment of inertia $I_x$	63.4 cm <sup>4</sup>
Area moment of inertia $I_y$	17.3 cm <sup>4</sup>
Moment of resistance $W_x$	15.9 cm <sup>3</sup>
Moment of resistance $W_y$	8.7 cm <sup>3</sup>
Torsional moment of inertia $I_t$	8.02 cm <sup>4</sup>
Moment of torsion resistance $W_t$	4.8 cm <sup>3</sup>
Packaging unit	1 piece
Recommended accessories	Cover cap 40x80 signal gray/black, Cover cap with hole 40x80 signal gray/black