

# Strebenprofil 40x160L, eloxiertes Aluminium, ESD-geeignet, variabel 50-6070 mm - Bosch Rexroth 3842993143

**Item no.** BRR-3842993143 **Manufacturer** Bosch Rexroth

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Extruded anodized aluminum strut profile with a 40x160L cross-section for building load-bearing machine frames and assembly structures. ESD-suitable and available cut to length from 50 mm to 6070 mm. Ten open profile slots (slot width 10 mm, modular dimension 40 mm) accept standard Bosch Rexroth connecting elements throughout the system.

## 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>0.1 kg</b>
Zolltarifnummer	<b>76042100</b>



## STANDARDS & COMPLIANCE

**ESD safe**

## DESCRIPTION

The 40x160L strut profile in anodized aluminum is a structural element of the Bosch Rexroth profile system, designed for machine frames, workstation systems, and load-bearing constructions. Its asymmetric cross-section delivers a high area moment of inertia in the x-direction (466.7 cm<sup>4</sup>), making it well suited for horizontal or vertical beams across long spans. The profile is supplied cut to any length between 50 mm and 6070 mm and meets ESD requirements for electrostatic-sensitive

production environments.

- High bending stiffness in the x-direction:  $I_x = 466.7 \text{ cm}^4$ ,  $W_x = 58.3 \text{ cm}^3$  - suited for load-bearing structures with long spans
- ESD-suitable: electrically conductive anodized surface for electrostatic protected work areas
- Flexible length: cut to order from 50 mm to 6070 mm, packaging unit 1 piece
- Ten open profile slots (slot width 10 mm) for connecting brackets, sliding nuts, and system accessories on the 40 mm grid
- Pre-machined cores: M12 in all core bores, D17 in slots B/J, C/I, D/H, and E/G

## Technical data

Property	Value
Cross-section	40x160L
Dimensions [mm]	40 x 160
Modular dimension [mm]	40
Profile slot [mm]	10
Open slots	10
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
ESD	Yes
Length min. [mm]	50
Length max. [mm]	6070
Condition on delivery	Variable length (cut to size)
Packaging unit	1
Profile surface A [cm <sup>2</sup> ]	20.5
Mass m [kg/m]	5.5
Area moment of inertia $I_x$ [cm <sup>4</sup> ]	466.7
Moment of resistance $W_x$ [cm <sup>3</sup> ]	58.3
Area moment of inertia $I_y$ [cm <sup>4</sup> ]	37.2
Moment of resistance $W_y$ [cm <sup>3</sup> ]	18.6
Torsional moment of inertia $I_t$ [cm <sup>4</sup> ]	25.8
Moment of torsion resistance $W_t$ [cm <sup>3</sup> ]	14.6
Pre-machining	M12 in all core bores; D17 in slots B/J, C/I, D/H, E/G
Recommended accessories	Cover cap 40x80 signal gray, Cover cap 40x80 black