

# Strebenprofil 80x80L 6N, eloxiertes Aluminium, ESD-geeignet, 6 offene Nuten - Bosch Rexroth 3842993423

**Item no.** BRR-3842993423 **Manufacturer** Bosch Rexroth

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Extruded anodized aluminum strut profile with a 80x80L cross-section, 6 open slots and a 10 mm profile slot on the 40 mm modular grid. ESD-suitable and supplied cut-to-length between 50 mm and 6,070 mm. Area moments of inertia  $I_x$  134.1 cm<sup>4</sup> and  $I_y$  140.9 cm<sup>4</sup> deliver high bending stiffness for assembly and handling systems.

## 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 Bosch Rexroth Strut Profile 80x80L 6N is an anodized aluminum profile with 6 open slots and a profile surface of 18.8 cm<sup>2</sup>. ESD-suitable and delivered cut-to-length from 50 mm to 6,070 mm, it is the right choice for assembly stations, test rigs and material-handling structures built on the 40 mm modular grid.

- 6 open slots (slot width 10 mm) allow connections and attachments on every face without drilling.
- Anodized aluminum in natural color - corrosion-resistant and compliant with ESD-protection requirements.
- Cut-to-length delivery from 50 mm to 6,070 mm eliminates offcuts and reduces installation time.
- High bending stiffness:  $I_x = 134.1 \text{ cm}^4$ ,  $I_y = 140.9 \text{ cm}^4$ ; torsional moment of inertia  $I_t = 72.6 \text{ cm}^4$ .
- Mass 5.1 kg/m at a profile surface of  $18.8 \text{ cm}^2$  - strong and lightweight for large-span structures.

## Technical data

Property	Value
Cross-section	80x80L 6N
Profile type	6N
Dimensions	80 x 80 mm
Open slots	6
Profile slot (width)	10 mm
Modular dimension	40 mm
Length min.	50 mm
Length max.	6,070 mm
Material	Aluminum, anodized
Color	Natural
ESD-suitable	Yes
Profile surface [A]	$18.8 \text{ cm}^2$
Mass [m]	5.1 kg/m
Area moment of inertia $I_x$	$134.1 \text{ cm}^4$
Moment of resistance $W_x$	$33.5 \text{ cm}^3$
Area moment of inertia $I_y$	$140.9 \text{ cm}^4$
Moment of resistance $W_y$	$36.2 \text{ cm}^3$
Torsional moment of inertia $I_t$	$72.6 \text{ cm}^4$
Torsional moment of resistance $W_t$	$15 \text{ cm}^3$
Packaging unit	1
Recommended accessories	Cover cap 80x80 signal gray, Mounting hole plug 80x80 black