

# Strebenprofil 40x80L 4N, eloxiertes Aluminium, ESD-geeignet, 50-6070 mm - Bosch Rexroth 3842993424-1000

**Item no.** BRR-3842993424-1000 **Manufacturer** Bosch Rexroth

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Versatile aluminum strut profile with a 40x80L cross-section and 4 open slots (slot width 10 mm) for flexible assembly of industrial frames, fixtures, and workstations. Anodized finish with ESD suitability; supplied cut to length from 50 to 6070 mm. Modular dimension 40 mm, fully compatible with the Bosch Rexroth aluminum profile 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>0.0099 kg</b>
Zolltarifnummer	<b>76042100</b>



## STANDARDS & COMPLIANCE

**ESD safe**

## DESCRIPTION

The 40x80L 4N strut profile in anodized aluminum is a core structural element of the Bosch Rexroth assembly technology system. Its four open slots and 40 mm modular grid allow integration with the full range of connectors, brackets, and accessories - at any point along the profile, not only at the ends. ESD suitability makes it the right choice for electrostatically sensitive production and laboratory environments.

- 4 open slots (width 10 mm) on all faces - connectors and add-on parts can be attached anywhere along the length
- Supplied cut to length: 50 to 6070 mm, variable on order
- Anodized aluminum, natural color - corrosion-resistant and surface-hardened
- ESD-suitable for use in electrostatic protected areas
- High bending and torsional stiffness:  $I_x = 65.2 \text{ cm}^4$ ,  $I_y = 19.1 \text{ cm}^4$ ,  $I_t = 13.3 \text{ cm}^4$
- Profile cross-sectional area  $10.4 \text{ cm}^2$ , mass  $2.8 \text{ kg/m}$

## Technical data

Property	Value
Cross-section	40x80L 4N
Dimensions	40 x 80 mm
Profile type	4N
Open slots	4
Profile slot width	10 mm
Modular dimension	40 mm
Length min.	50 mm
Length max.	6070 mm
Material	Aluminum, anodized
Color	Natural
ESD-suitable	Yes
Profile surface [A]	$10.4 \text{ cm}^2$
Mass [m]	$2.8 \text{ kg/m}$
Area moment of inertia [ $I_x$ ]	$65.2 \text{ cm}^4$
Moment of resistance [ $W_x$ ]	$16.3 \text{ cm}^3$
Area moment of inertia [ $I_y$ ]	$19.1 \text{ cm}^4$
Moment of resistance [ $W_y$ ]	$9.9 \text{ cm}^3$
Torsional moment of inertia [ $I_t$ ]	$13.3 \text{ cm}^4$
Moment of torsion resistance [ $W_t$ ]	$4.4 \text{ cm}^3$
Packaging unit	1