

# Strebenprofil 40x40L 3N M12/M12, eloxiertes Aluminium, ESD-geeignet - Bosch Rexroth 3842993192

**Item no.** BRR-3842993192 **Manufacturer** Bosch Rexroth

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Anodized aluminum strut profile with a 40x40L cross-section, three open slots (slot width 10 mm), and M12 machining at both ends. ESD-suitable for use in electrostatic-sensitive assembly and test environments. Available as cut-to-length stock from 110 mm to 6000 mm; area moment of inertia  $I_x$  9.7 cm<sup>4</sup> delivers reliable structural stiffness in Rexroth size-40 frame assemblies.

## 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>76169990</b>  |



## STANDARDS & COMPLIANCE

**ESD safe**

## DESCRIPTION

The strut profile 40x40L 3N M12/M12 is a structural load-bearing member of the Rexroth profile system, size 40. Its three open slots (slot width 10 mm, modular dimension 40 mm) allow connections on three sides of the cross-section, making it straightforward to build frames, machine guards, workstations, and fixtures. Both ends are pre-machined with M12 threads, eliminating additional cutting operations on site. The anodized finish provides corrosion resistance, and the ESD-

suitable rating makes it compatible with electrostatic-protected areas.

- Three open slots - flexible connections on three profile faces without additional machining
- M12/M12 end machining on both sides - ready for direct assembly
- ESD-suitable - approved for use in ESD-protected production and test areas
- Cut-to-length: any length from 110 mm to 6000 mm per piece
- Anodized aluminum, natural color - corrosion-resistant, lightweight structural member

## Technical data

| Parameter                                      | Value  |
|--|--|
| Cross-section                                  | 40x40L 3N  |
| Profile type                                   | 3N   |
| Open slots                                     | 3  |
| Profile slot width                             | 10 mm  |
| Modular dimension                              | 40 mm  |
| Dimensions                                     | 40 x 40 mm   |
| Length min. (L min)                            | 110 mm   |
| Length max. (L max)                            | 6000 mm  |
| End machining                                  | M12 / M12 (both ends)  |
| Material                                       | Aluminum, anodized   |
| Color  | Natural  |
| ESD-suitable                                   | Yes  |
| Mass (m)                                       | 1.6 kg/m   |
| Profile surface (A)                            | 5.8 cm <sup>2</sup>  |
| Area moment of inertia I <sub>x</sub>          | 9.7 cm <sup>4</sup>  |
| Area moment of inertia I <sub>y</sub>          | 9.0 cm <sup>4</sup>  |
| Moment of resistance W <sub>x</sub>            | 4.8 cm <sup>3</sup>  |
| Moment of resistance W <sub>y</sub>            | 4.5 cm <sup>3</sup>  |
| Torsional moment of inertia (I <sub>t</sub> )  | 2.6 cm <sup>4</sup>  |
| Moment of torsion resistance (W <sub>t</sub> ) | 1.7 cm <sup>3</sup>  |
| Packaging unit                                 | 1 piece  |
| Recommended accessories                        | Cover cap 40x40 signal gray, Cover cap 40x40 black, Cover cap with hole 40x40 signal gray, Cover cap with hole 40x40 black |