

# Strebenprofil 80x120L ESD-geeignet, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842993672-1000

Item no. BRR-3842993672-1000

Manufacturer Bosch Rexroth

Strut profile 80x120L in anodized aluminum for ESD-compliant structural assembly, with 40 mm modular dimension and 10 open slots. The 80x120 mm cross-section delivers high bending and torsional rigidity for load-bearing frames and machine structures. Supplied cut to length between 50 mm and 6070 mm.



ESD safe

## TECHNICAL DATA

|                        |                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article authenticity   | Original product                                                                                                                                        |
| Condition of article   | New                                                                                                                                                     |
| Country of Manufacture | Germany                                                                                                                                                 |
| ESD-Ausführung         | TEC                                                                                                                                                     |
| Hinweis                | Gemäß der aktuellen Preisstruktur werden für Bestellungen von Profilen mit einer Länge von 1500 mm zusätzliche Kosten in Höhe von 80,00 Euro berechnet. |
| Weight                 | 0.0099 kg                                                                                                                                               |
| Zolltarifnummer        | 76042100                                                                                                                                                |

## DESCRIPTION

The Bosch Rexroth strut profile 80x120L is an anodized aluminum profile with a 40 mm modular dimension, 10 open slots, and ESD suitability - designed for load-bearing structures in assembly and automation where dimensional stability and electrostatic discharge protection are both required.

- 10 open slots allow flexible connections on all faces without additional machining
- ESD-suitable per Bosch Rexroth system standard - suitable for electronics-adjacent workstations and enclosures
- High bending stiffness: area moment of inertia  $I_x = 389.2 \text{ cm}^4$  /  $I_y = 192.8 \text{ cm}^4$
- Torsional stiffness:  $I_t = 119 \text{ cm}^4$ ,  $W_t = 29.1 \text{ cm}^3$
- Cut to length: 50 mm to 6070 mm; standard profile finishing M12 / D9.8 / D17 / DB17 / F1 at specified slots

- Customized finishing options: DI / DIS / MT / MTS / MI / MIS / DG

## TECHNICAL DATA

| Property                                       | Value                                                                             |
|------------------------------------------------|-----------------------------------------------------------------------------------|
| Cross-section                                  | 80x120L                                                                           |
| Dimensions                                     | 80 x 120 mm                                                                       |
| Modular dimension                              | 40 mm                                                                             |
| Profile slot                                   | 10                                                                                |
| Open slots                                     | 10                                                                                |
| Profile type                                   | Standard                                                                          |
| ESD-suitable                                   | Yes                                                                               |
| Material                                       | Aluminum, anodized                                                                |
| Color                                          | Natural                                                                           |
| Length min. (Lmin)                             | 50 mm                                                                             |
| Length max. (Lmax)                             | 6070 mm                                                                           |
| Mass                                           | 6.9 kg/m                                                                          |
| Profile surface (A)                            | 25.6 cm <sup>2</sup>                                                              |
| Area moment of inertia I <sub>x</sub>          | 389.2 cm <sup>4</sup>                                                             |
| Area moment of inertia I <sub>y</sub>          | 192.8 cm <sup>4</sup>                                                             |
| Moment of resistance W <sub>x</sub>            | 64.9 cm <sup>3</sup>                                                              |
| Moment of resistance W <sub>y</sub>            | 48.2 cm <sup>3</sup>                                                              |
| Torsional moment of inertia (I <sub>t</sub> )  | 119 cm <sup>4</sup>                                                               |
| Moment of torsion resistance (W <sub>t</sub> ) | 29.1 cm <sup>3</sup>                                                              |
| Standard profile finishing                     | M12 / D9.8(C,D,E,H,I,J) / D17(C,D,E,H,I,J) / DB17 / F1(A,F)                       |
| Customized profile finishing                   | DI / DIS / MT / MTS / MI / MIS / DG                                               |
| Finishing notice                               | DGmax = 45°, Lmin1/Lmin2 = 439/578 mm, standard finishing at specified slots only |
| Recommended accessories                        | Cover cap 80x120 signal gray, Cover cap 80x120 black                              |
| Packaging unit                                 | 1                                                                                 |