

## Strebenprofil 40x120L Q&E, 1000 mm, Aluminium eloxiert, ESD-geeignet - Bosch Rexroth 3842993716-1000

Item no. BRR-3842993716-1000

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with 40x120L cross-section and Quick & Easy connection system for fast, tool-minimal assembly of machine frames, workstations, and guarding structures. The profile is ESD-suitable, features 8 open slots (slot width 10) on a 40 mm grid, and is supplied at the ordered length of 1000 mm. Standard drillings M12, D9.8, and D17 as well as customized finishings (DI, DIS, MT, MTS, MI, MIS, DG) are available ex factory.

### TECHNICAL DATA

|                        |                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ausführungsklasse      | TEC                                                                                                                                                     |
| Country of Manufacture | Germany                                                                                                                                                 |
| 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                                                                                                                                                |

### STANDARDS & COMPLIANCE

ESD safe

### DESCRIPTION

The strut profile 40x120L in the Quick & Easy (Q&E) system is an anodized aluminum profile for load-bearing use in assembly frames, safety guards, conveyor systems, and industrial workstations. With 8 open slots, a 40 mm modular grid, and an area moment of inertia of 203.2 cm<sup>4</sup> in the x-direction, the profile carries high bending loads at low weight. ESD suitability protects sensitive assemblies in electronically controlled production areas.

- 8 open slots (slot 10, 40 mm grid) for flexible connection points on all axes
- Area moment of inertia  $I_x = 203.2 \text{ cm}^4$  / moment of resistance  $W_x = 33.9 \text{ cm}^3$  for high bending stiffness in the x-direction
- ESD-suitable as delivered - safe for use in electrostatic-discharge-controlled environments
- Standard profile finishing ex factory: M12, D9.8 (B,C,D,F,G,H), D17 (B,C,D,F,G,H), DB17, F1 (A,E)
- Customized finishing on request: DI, DIS, MT, MTS, MI, MIS, DG (DGmax = 45°)
- Available lengths: 50 mm to 6070 mm; this unit: 1000 mm

### TECHNICAL DATA



| Attribute                                                      | Value                                                                                                  |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Cross-section                                                  | 40x120L                                                                                                |
| Dimensions [mm]                                                | 40x120                                                                                                 |
| Length this unit [mm]                                          | 1000                                                                                                   |
| Length min / max [mm]                                          | 50 / 6070                                                                                              |
| Modular dimension [mm]                                         | 40                                                                                                     |
| Profile slot                                                   | 10                                                                                                     |
| Open slots                                                     | 8                                                                                                      |
| Profile type                                                   | Standard                                                                                               |
| Material                                                       | Aluminum, anodized                                                                                     |
| Color                                                          | Natural                                                                                                |
| ESD-suitable                                                   | Yes                                                                                                    |
| Mass [kg/m]                                                    | 4.2                                                                                                    |
| Profile surface A [cm <sup>2</sup> ]                           | 15.5                                                                                                   |
| Area moment of inertia I <sub>x</sub> [cm <sup>4</sup> ]       | 203.2                                                                                                  |
| Area moment of inertia I <sub>y</sub> [cm <sup>4</sup> ]       | 27.8                                                                                                   |
| Moment of resistance W <sub>x</sub> [cm <sup>3</sup> ]         | 33.9                                                                                                   |
| Moment of resistance W <sub>y</sub> [cm <sup>3</sup> ]         | 13.9                                                                                                   |
| Torsional moment of inertia I <sub>t</sub> [cm <sup>4</sup> ]  | 17.2                                                                                                   |
| Moment of torsion resistance W <sub>t</sub> [cm <sup>3</sup> ] | 10                                                                                                     |
| Standard profile finishing                                     | M12 / D9.8 (B,C,D,F,G,H) / D17 (B,C,D,F,G,H) / DB17 / F1 (A,E)                                         |
| Customized profile finishing                                   | DI / DIS / MT / MTS / MI / MIS / DG                                                                    |
| Finishing note                                                 | DGmax = 45°, Lmin1 / Lmin2 = 439 / 578 mm                                                              |
| Recommended accessories                                        | Cover cap 40x40 signal gray, Cover cap 40x40 black, Cover cap 40x80 signal gray, Cover cap 40x80 black |
| Packaging unit                                                 | 1                                                                                                      |