

## Strut Profile 40x40 HR, Anodized Aluminium, ESD- Compatible, Length 50-6070 mm - Bosch Rexroth 3842993256

Item no. BRR-3842993256

Manufacturer Bosch Rexroth

Anodized aluminium strut profile with semicircular cross-section 40x40 HR for flexible use in assembly and workstation systems. One open profile slot (10 mm) allows straightforward integration of connectors and attachments. ESD-compatible; cut to length from 50 to 6070 mm.

### TECHNICAL DATA

|                        |                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ausführungsklasse      | TEC                                                                                                                                                     |
| Country of Manufacture | Germany                                                                                                                                                 |
| HS-Code                | 76042100                                                                                                                                                |
| Note                   | 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                 | 0.1 kg                                                                                                                                                  |



### STANDARDS & COMPLIANCE

ESD safe

### DESCRIPTION

The 40x40 HR strut profile is a core structural element of the Bosch Rexroth Assembly Technology system, manufactured from anodized aluminium. Its semicircular cross-section with a 40 mm modular dimension and one open 10 mm slot accepts system-compatible connectors and add-on components without additional machining. ESD compatibility makes it suitable for electrostatic-sensitive assembly environments in electronics production.

- Cut to length from 50 mm to 6070 mm - exact fit for any frame or structure
- Anodized surface finish: corrosion-resistant, durable, and low-maintenance
- ESD-compatible for use in EPA (electrostatic protected area) workstations
- Profile area 5.5 cm<sup>2</sup> at 1.5 kg/m - rigid yet lightweight
- Fully compatible with the complete Bosch Rexroth Assembly Technology range

### TECHNICAL DATA

| Property      | Value    |
|---------------|----------|
| Cross-section | 40x40 HR |

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| Property                                       | Value               |
|------------------------------------------------|---------------------|
| Profile type                                   | Semicircular        |
| Modular dimension                              | 40 mm               |
| Profile slot                                   | 10 mm               |
| Open slots                                     | 1                   |
| Length min. (L min)                            | 50 mm               |
| Length max. (L max)                            | 6070 mm             |
| Material                                       | Aluminium, anodized |
| Color                                          | Natural             |
| ESD-compatible                                 | Yes                 |
| Profile surface (A)                            | 5.5 cm <sup>2</sup> |
| Mass (m)                                       | 1.5 kg/m            |
| Area moment of inertia X (I <sub>x</sub> )     | 8.1 cm <sup>4</sup> |
| Area moment of inertia Y (I <sub>y</sub> )     | 7.6 cm <sup>4</sup> |
| Moment of resistance X (W <sub>x</sub> )       | 4.0 cm <sup>3</sup> |
| Moment of resistance Y (W <sub>y</sub> )       | 3.6 cm <sup>3</sup> |
| Torsional moment of inertia (I <sub>t</sub> )  | 4.6 cm <sup>4</sup> |
| Moment of torsion resistance (W <sub>t</sub> ) | 2.8 cm <sup>3</sup> |
| Packaging unit                                 | 1                   |
| Condition on delivery                          | Variable length     |