

## Strebenprofil 90x90 Q&E, Aluminium eloxiert, 8 Nuten - Bosch Rexroth 3842993679

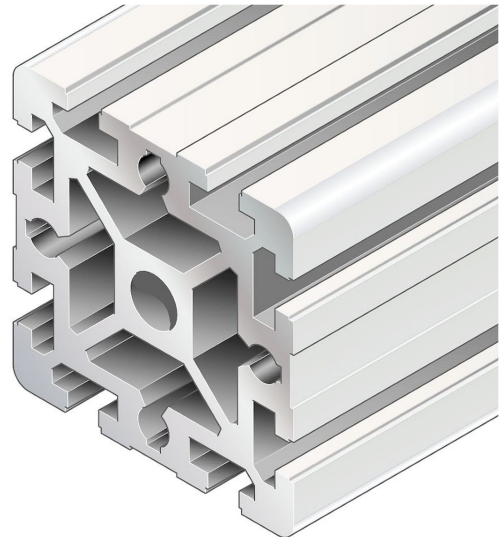
Item no. BRR-3842993679

Manufacturer Bosch Rexroth

Square aluminum strut profile 90x90 mm with 8 open slots (slot width 10 mm, modular dimension 45 mm) for assembly systems, guarding, and structural frameworks. Supplied in cut-to-length from 50 mm to 6070 mm; standard finishings M16, D9.8, D17, DB17, F1 and customized machining options available.

### 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                 | 0.1 kg                                                                                                                                                  |
| Zolltarifnummer        | 76042100                                                                                                                                                |



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### DESCRIPTION

The Bosch Rexroth Strut Profile 90x90 Q&E is a symmetric, anodized aluminum profile with 8 open slots and a modular dimension of 45 mm. It is suited to load-bearing frames, protective enclosures, and modular assembly lines where high bending stiffness and versatile connection options are required.

- High bending stiffness: area moment of inertia  $I_x = I_y = 299.8 \text{ cm}^4$ , moment of resistance  $W_x = W_y = 66.7 \text{ cm}^3$
- 8 open slots (width 10 mm) allow connections and attachments on all faces without additional machining
- Cut-to-length supply: from 50 mm to 6070 mm, minimum order quantity 1
- Standard factory finishings: M16 / D9.8 / D17 / DB17 / F1 (observe minimum lengths)
- Customized finishings on request: DI / DIS / MT / MTS / MI / MIS / DG (DGmax = 45°, Lmin1/Lmin2 = 456/612 mm)
- Anodized aluminum construction - corrosion-resistant, natural color finish

### TECHNICAL DATA

| Property      | Value      |
|---------------|------------|
| Cross-section | 90 x 90 mm |
| Profile type  | Standard   |

| Property                           | Value                                 |
|------------------------------------|---------------------------------------|
| Open slots                         | 8                                     |
| Slot width                         | 10 mm                                 |
| Modular dimension                  | 45 mm                                 |
| Length min / max                   | 50 mm / 6070 mm                       |
| Mass                               | 10.4 kg/m                             |
| Profile surface [A]                | 38.4 cm <sup>2</sup>                  |
| Area moment of inertia $I_x = I_y$ | 299.8 cm <sup>4</sup>                 |
| Moment of resistance $W_x = W_y$   | 66.7 cm <sup>3</sup>                  |
| Torsional moment of inertia [It]   | 118.6 cm <sup>4</sup>                 |
| Moment of torsion resistance [Wt]  | 26 cm <sup>3</sup>                    |
| Material                           | Aluminum, anodized                    |
| Color                              | Natural                               |
| Packaging unit                     | 1 piece                               |
| Standard profile finishing         | M16 / D9.8 / D17 / DB17 / F1          |
| Customized profile finishing       | DI / DIS / MT / MTS / MI / MIS / DG   |
| Finishing note                     | DGmax = 45°, Lmin1/Lmin2 = 456/612 mm |