

# Strebenprofil 90x90 F2/F2, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842990507-1000

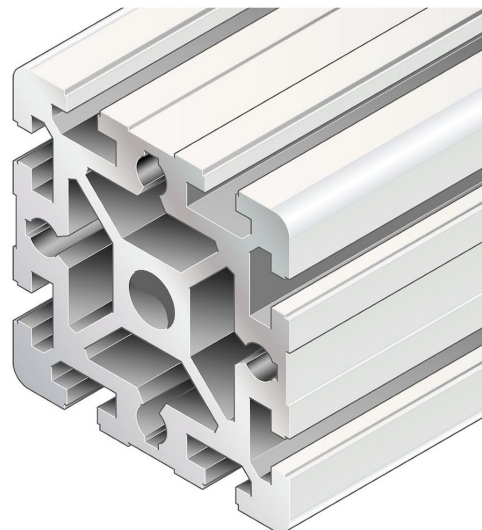
Item no. BRR-3842990507-1000

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with a 90x90 mm cross-section, 8 open slots (slot width 10 mm), and a modular dimension of 45 mm. Designed for modular assembly frames, machine guards, and enclosures within the Rexroth profile system. Available in lengths from 110 mm to 6000 mm; this variant is 1000 mm.

## 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        | 76169990                                                                                                                                                |



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## DESCRIPTION

The Strut Profile 90x90 F2/F2 is an anodized aluminum profile for modular machine and system construction. Its symmetric cross-section with 8 open slots and a profile surface of 38.4 cm<sup>2</sup> provides high rigidity at a mass of 10.4 kg/m, and it is fully compatible with all Bosch Rexroth profile system accessories.

- 8 open slots (slot width 10 mm) allow connections on all faces without additional machining
- Modular dimension 45 mm - compatible with the complete Rexroth 90-series profile system
- Area moment of inertia  $I_x = I_y = 299.8 \text{ cm}^4$  and moment of resistance  $W_x = W_y = 66.7 \text{ cm}^3$  for equal bending stiffness in both axes
- Torsional moment of inertia  $I_t = 118.6 \text{ cm}^4$ , moment of torsion resistance  $W_t = 26 \text{ cm}^3$
- Anodized natural finish - corrosion-resistant, clean-room compatible surface
- Cut-to-length ordering from 110 mm to 6000 mm; packaging unit 1 piece

## TECHNICAL DATA

| Property          | Value          |
|-------------------|----------------|
| Cross-section     | 90 x 90 mm     |
| Profile type      | Standard F2/F2 |
| Modular dimension | 45 mm          |
| Open slots        | 8              |

| Property                                                  | Value                 |
|-----------------------------------------------------------|-----------------------|
| Slot width                                                | 10 mm                 |
| Length (this variant)                                     | 1000 mm               |
| Length min / max                                          | 110 mm / 6000 mm      |
| Profile surface [A]                                       | 38.4 cm <sup>2</sup>  |
| Mass [m]                                                  | 10.4 kg/m             |
| Area moment of inertia [I <sub>x</sub> = I <sub>y</sub> ] | 299.8 cm <sup>4</sup> |
| Moment of resistance [W <sub>x</sub> = W <sub>y</sub> ]   | 66.7 cm <sup>3</sup>  |
| Torsional moment of inertia [I <sub>t</sub> ]             | 118.6 cm <sup>4</sup> |
| Moment of torsion resistance [W <sub>t</sub> ]            | 26 cm <sup>3</sup>    |
| Material                                                  | Aluminum, anodized    |
| Color                                                     | Natural               |
| Packaging unit                                            | 1 piece               |