

## Strebenprofil 90x90 M16/D17, 1000 mm - Bosch Rexroth 3842992961-1000

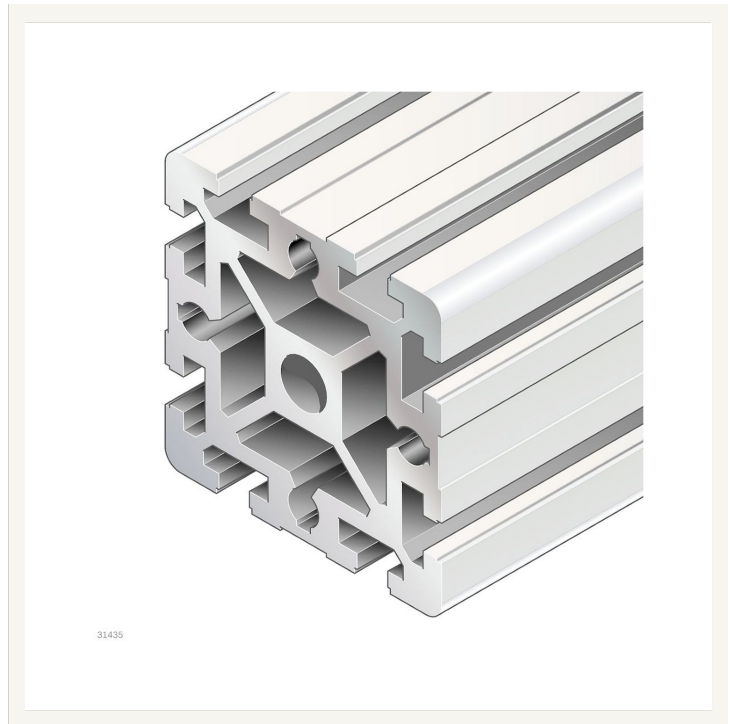
Item no. BRR-3842992961-1000

Manufacturer Bosch Rexroth

The Strut Profile 90x90 M16/D17 is an anodized aluminum structural profile with eight open slots and a 45 mm modular dimension, designed for building machine frames, assembly systems, and protective enclosures. Its symmetrical 90x90 mm cross-section delivers identical area moments of inertia in both axes (299.8 cm<sup>4</sup> each), providing uniform stiffness under multi-directional loads. The standard 1000 mm length can be cut to size from 170 mm up to a maximum delivery length of 6000 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                                                                                                                                                |



### DESCRIPTION

The Bosch Rexroth Strut Profile 90x90 M16/D17 is an anodized aluminum structural profile from the Rexroth aluminum profile system. Eight open slot-10 grooves, a 45 mm modular dimension, and a 90x90 mm cross-section make it a versatile load-bearing element for machine frames, production line structures, safety guards, and modular assembly systems. All standard Rexroth system accessories are directly compatible via the slot-10 interface.

- Eight open slots provide full connection flexibility on all four profile faces
- Symmetrical cross-section: area moment of inertia  $I_x = I_y = 299.8 \text{ cm}^4$  - equal rigidity in both bending directions
- High torsional stiffness: torsional moment of inertia  $I_t = 118.6 \text{ cm}^4$ , moment of torsion resistance  $W_t = 26 \text{ cm}^3$
- Anodized aluminum - corrosion-resistant, natural color finish, ready to install
- Cut-to-length capability: 170 mm to 6000 mm; standard delivery 1000 mm
- Packaging unit 1 piece; mass 10.4 kg/m

### TECHNICAL DATA

| Property      | Value    |
|---------------|----------|
| Cross-section | 90x90 mm |
| Profile type  | Standard |

| Property                           | Value                                                                                                                      |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Profile slot                       | Slot 10                                                                                                                    |
| Modular dimension                  | 45 mm                                                                                                                      |
| Open slots                         | 8                                                                                                                          |
| Length (standard delivery)         | 1000 mm                                                                                                                    |
| Length min / max                   | 170 mm / 6000 mm                                                                                                           |
| 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 $I_t$  | 118.6 cm <sup>4</sup>                                                                                                      |
| Moment of torsion resistance $W_t$ | 26 cm <sup>3</sup>                                                                                                         |
| Profile surface A                  | 38.4 cm <sup>2</sup>                                                                                                       |
| Mass m                             | 10.4 kg/m                                                                                                                  |
| Material                           | Aluminum, anodized                                                                                                         |
| Color                              | Natural                                                                                                                    |
| Packaging unit                     | 1 piece                                                                                                                    |
| Recommended accessories            | Cover cap 90x90 black, Cover cap 90x90 signal gray, Cover cap with hole 90x90 black, Cover cap with hole 90x90 signal gray |