

## Strebenprofil 45x90 M16/D17, Aluminium eloxiert, 1000 mm - Bosch Rexroth 3842990325-1000

Item no. BRR-3842990325-1000

Manufacturer Bosch Rexroth

Strut profile 45x90 with 6 open slots (slot size 10, modular dimension 45 mm) in anodized aluminum for assembly and automation structures. Cut length 1000 mm; available from 170 mm to 6000 mm. Area moment of inertia  $I_x$  124.6 cm<sup>4</sup> for high bending stiffness in the primary load direction.

### 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 strut profile 45x90 M16/D17 is an extruded anodized aluminum profile in natural finish for the Bosch Rexroth modular framing system. The 45 mm modular grid and 6 open slots (slot size 10) make it directly compatible with all connectors, brackets, and attachments in the 45 series. Pre-machined thread and hole preparations - M12 and M16 in all core bores, D17 in slots B/F and C/E, D17V in slots A/D - allow direct bolted connections without additional drilling.

- High bending stiffness in the x-direction:  $I_x$  124.6 cm<sup>4</sup>,  $W_x$  27.7 cm<sup>3</sup>
- Torsional moment of inertia  $I_t$  15.4 cm<sup>4</sup>, moment of torsion resistance  $W_t$  6.61 cm<sup>3</sup>
- Profile cross-section area 15.4 cm<sup>2</sup>, linear mass 4.2 kg/m
- Cut length 1000 mm; available from 170 mm up to 6000 mm
- Anodized aluminum finish: corrosion-resistant, low maintenance

### TECHNICAL DATA

| Property          | Value    |
|-------------------|----------|
| Cross-section     | 45x90 mm |
| Modular dimension | 45 mm    |
| Profile slot      | 10       |
| Open slots        | 6        |
| Profile type      | Standard |

| Property                                    | Value                                                          |
|---------------------------------------------|----------------------------------------------------------------|
| Color                                       | Natural (anodized)                                             |
| Material                                    | Aluminum, anodized                                             |
| Length (this variant)                       | 1000 mm                                                        |
| Length min / max                            | 170 mm / 6000 mm                                               |
| Profile adaption                            | M12, M16: all core bores; D17: slots B/F, C/E; D17V: slots A/D |
| Area moment of inertia I <sub>x</sub>       | 124.6 cm <sup>4</sup>                                          |
| Moment of resistance W <sub>x</sub>         | 27.7 cm <sup>3</sup>                                           |
| Area moment of inertia I <sub>y</sub>       | 32.8 cm <sup>4</sup>                                           |
| Moment of resistance W <sub>y</sub>         | 14.6 cm <sup>3</sup>                                           |
| Torsional moment of inertia I <sub>t</sub>  | 15.4 cm <sup>4</sup>                                           |
| Moment of torsion resistance W <sub>t</sub> | 6.61 cm <sup>3</sup>                                           |
| Profile surface A                           | 15.4 cm <sup>2</sup>                                           |
| Mass                                        | 4.2 kg/m                                                       |
| Packaging unit                              | 1                                                              |