

# Strebenprofil 100x100L D17/D17V, 1000 mm - Bosch Rexroth 3842993177-1000

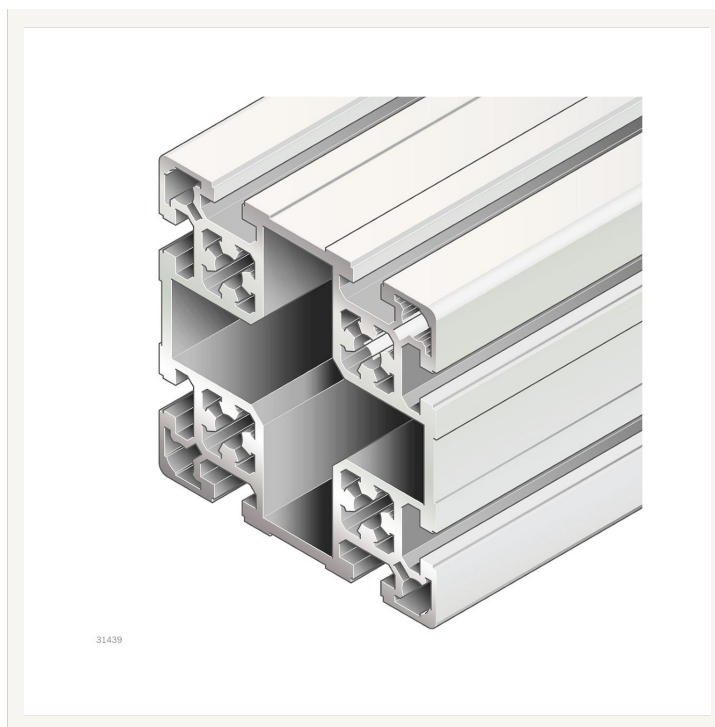
Item no. BRR-3842993177-1000

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with 100x100L cross-section and 8 open slots for versatile connection options. Pre-machined with M12 tapped cores and D17/D17V bores across all slot pairs, ready to install. Designed for load-bearing frames and structural assemblies within the Bosch Rexroth profile system.

## 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 100x100L (article 3842993177) is a heavy-duty anodized aluminum profile with a square 100x100 mm cross-section and 8 open slots. Pre-machining covers M12 threads in all core bores, D17 bores in slots C/H and D/G, and D17V bores in slots A/F and B/E - making the profile immediately assembly-ready. This section is supplied at 1000 mm; cut-to-length from 80 mm to 6000 mm is available.

- High bending stiffness: area moment of inertia  $I_x = I_y = 318.3 \text{ cm}^4$ , moment of resistance  $W_x = W_y = 63.7 \text{ cm}^3$
- Torsion-resistant: torsional moment of inertia  $I_t = 153.53 \text{ cm}^4$ , moment of torsion resistance  $W_t = 31.4 \text{ cm}^3$
- Substantial cross-section: profile surface  $A = 29.9 \text{ cm}^2$ , mass 8.1 kg/m
- 50 mm modular dimension ensures compatibility with standard Bosch Rexroth connectors and accessories
- Natural anodized finish - corrosion-resistant and ready to use without further surface treatment

## TECHNICAL DATA

| Property      | Value        |
|---------------|--------------|
| Cross-section | 100x100L     |
| Dimensions    | 100 x 100 mm |

| Property                           | Value                                                                |
|------------------------------------|----------------------------------------------------------------------|
| Length (this section)              | 1000 mm                                                              |
| Length min / max                   | 80 mm / 6000 mm                                                      |
| Open slots                         | 8                                                                    |
| Profile slot                       | 10                                                                   |
| Modular dimension                  | 50 mm                                                                |
| Profile type                       | Standard                                                             |
| Profile adaption                   | M12 in all core bores; D17 in slots C/H, D/G; D17V in slots A/F, B/E |
| Profile surface [A]                | 29.9 cm <sup>2</sup>                                                 |
| Mass [m]                           | 8.1 kg/m                                                             |
| Area moment of inertia $I_x = I_y$ | 318.3 cm <sup>4</sup>                                                |
| Moment of resistance $W_x = W_y$   | 63.7 cm <sup>3</sup>                                                 |
| Torsional moment of inertia [It]   | 153.53 cm <sup>4</sup>                                               |
| Moment of torsion resistance [Wt]  | 31.4 cm <sup>3</sup>                                                 |
| Material                           | Aluminum, anodized                                                   |
| Color                              | Natural                                                              |
| Packaging unit                     | 1                                                                    |
| Recommended accessories            | Cover cap 100x100 black; Cover cap 100x100 signal gray               |