

# Strebenprofil 45x60 M12/M12, Aluminium eloxiert, Nut 10, 4 offene Nuten - Bosch Rexroth 3842990572

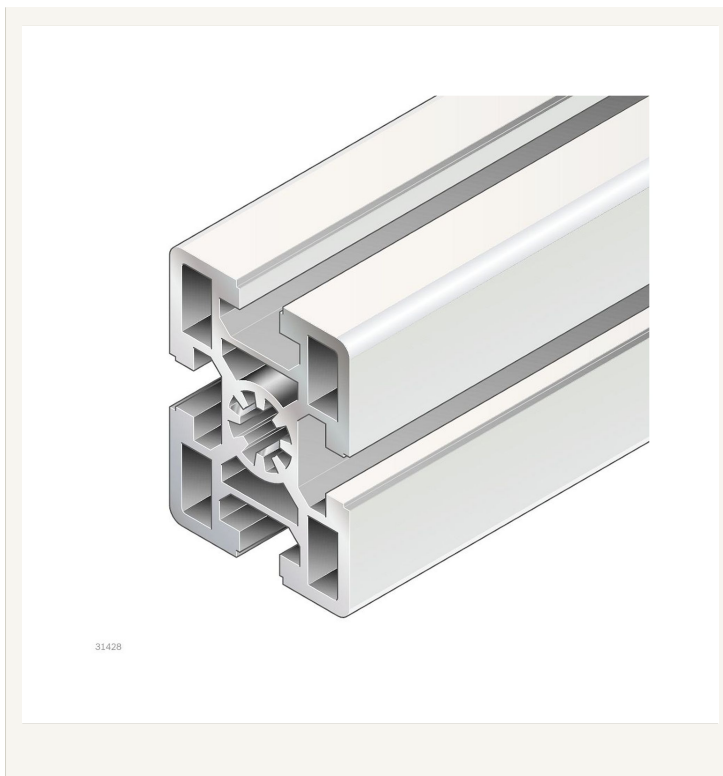
Item no. BRR-3842990572

Manufacturer Bosch Rexroth

Asymmetric aluminum strut profile with a 45x60 mm cross-section, four open size-10 slots, and M12 threads on both end faces. The anodized profile is cut to length (110 to 6000 mm) and serves as the structural backbone for frames and workstation systems built on the Bosch Rexroth 45 mm grid.

## 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        | 76169990                                                                                                                                                |



## DESCRIPTION

The strut profile 45x60 M12/M12 in anodized aluminum combines the load capacity of an asymmetric cross-section with the full flexibility of the 45 mm modular grid. Four open size-10 slots allow connectors to be inserted at any position without dismantling the structure; M12 threads on both end faces enable direct bolted connections at the profile face.

- Cut to length on order: 110 to 6000 mm, packaging unit 1 piece
- Four open slots (size 10) for tool-free subsequent fitting of connectors
- M12 threads on both ends for direct face-to-face bolting
- Anodized aluminum - corrosion-resistant with a hard surface finish
- Area moment of inertia  $I_x$  37.2 cm<sup>4</sup> /  $I_y$  22.7 cm<sup>4</sup> for high bending stiffness
- Profile cross-section area 11 cm<sup>2</sup>, linear mass 3 kg/m

## TECHNICAL DATA

| Property          | Value    |
|-------------------|----------|
| Cross-section     | 45x60 mm |
| Modular dimension | 45 mm    |
| Profile type      | Standard |
| Open slots        | 4        |

boxic24.com

Keldersstr. 15

42697 Solingen, Deutschland

VAT ID: DE269659389

Phone: +49 212 38340680

shop@boxic24.com

boxic24.com

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| Property                                       | Value                                                                                                                      |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Profile slot                                   | Size 10                                                                                                                    |
| End connection                                 | M12 / M12 (both ends)                                                                                                      |
| Color                                          | Natural (anodized)                                                                                                         |
| Material                                       | Aluminum, anodized                                                                                                         |
| Length min                                     | 110 mm                                                                                                                     |
| Length max                                     | 6000 mm                                                                                                                    |
| Profile surface [A]                            | 11 cm <sup>2</sup>                                                                                                         |
| Mass [m]                                       | 3 kg/m                                                                                                                     |
| Area moment of inertia I <sub>x</sub>          | 37.2 cm <sup>4</sup>                                                                                                       |
| Area moment of inertia I <sub>y</sub>          | 22.7 cm <sup>4</sup>                                                                                                       |
| Moment of resistance W <sub>x</sub>            | 12.4 cm <sup>3</sup>                                                                                                       |
| Moment of resistance W <sub>y</sub>            | 10.1 cm <sup>3</sup>                                                                                                       |
| Torsional moment of inertia [I <sub>t</sub> ]  | 6.7 cm <sup>4</sup>                                                                                                        |
| Moment of torsion resistance [W <sub>t</sub> ] | 4.09 cm <sup>3</sup>                                                                                                       |
| Packaging unit                                 | 1 piece                                                                                                                    |
| Recommended accessories                        | Cover cap 45x60 black, Cover cap 45x60 signal gray, Cover cap with hole 45x60 black, Cover cap with hole 45x60 signal gray |