

# **Strebenprofil 45x60 M16, Aluminium eloxiert, 4 Nuten, L 120-6000 mm - Bosch Rexroth 3842990573**

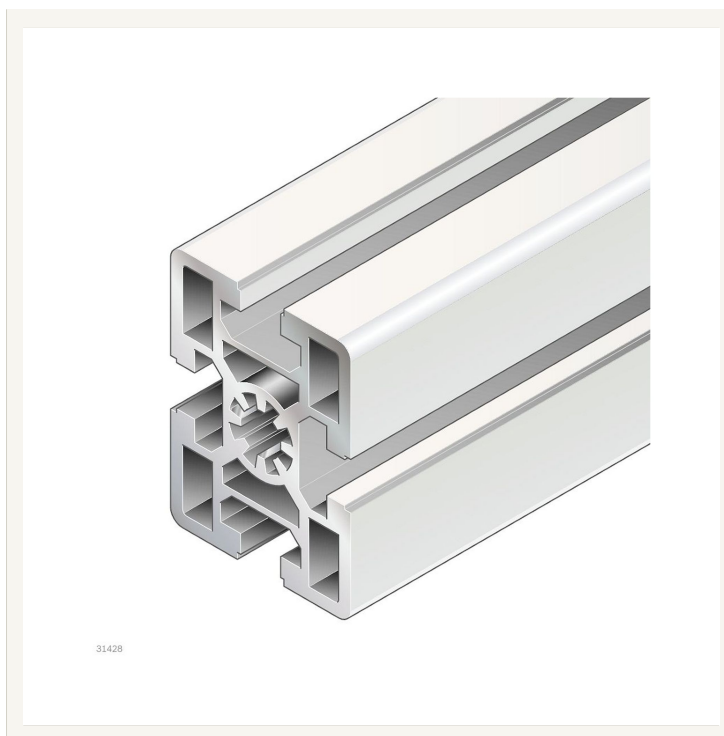
Item no. BRR-3842990573

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with a 45x60 mm cross-section and four open slots (width 10 mm) on the 45 mm modular grid. Available cut to length from 120 mm to 6000 mm. Designed for load-bearing structures and assembly frames within the Bosch Rexroth profile system.

## **TECHNICAL DATA**

|                        |                 |
|------------------------|-----------------|
| Ausführungsklasse      | <b>TEC</b>      |
| Country of Manufacture | <b>Germany</b>  |
| Weight                 | <b>0.1 kg</b>   |
| Zolltarifnummer        | <b>76169990</b> |



## **DESCRIPTION**

The 45x60 M16 strut profile is a standard-series anodized aluminum profile in the Bosch Rexroth modular assembly system, based on the 45 mm grid. Four open slots (width 10 mm) running the full length allow connectors, brackets, and accessories to be positioned freely on all four sides. Cut-to-length delivery from 120 mm to 6000 mm means parts arrive ready to install.

- Four open slots (width 10 mm) for unrestricted fastening access on all profile faces
- Anodized aluminum - corrosion-resistant and dimensionally stable for continuous industrial use
- Cut-to-length from 120 mm to 6000 mm - delivered ready to use, no on-site cutting required
- Area moment of inertia  $I_x$  37.2 cm<sup>4</sup> /  $I_y$  22.7 cm<sup>4</sup> for high bending and torsional stiffness
- Profile adaptations D9.8, D17, LF, and F1 available in slots A/C and B/D

## **TECHNICAL DATA**

| Parameter         | Value    |
|-------------------|----------|
| Cross-section     | 45x60 mm |
| Modular dimension | 45 mm    |
| Profile type      | Standard |
| Slot width        | 10 mm    |
| Open slots        | 4        |

| Parameter                                      | Value                                                                                                                      |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Length min (L min)                             | 120 mm                                                                                                                     |
| Length max (L max)                             | 6000 mm                                                                                                                    |
| Profile surface (A)                            | 11 cm <sup>2</sup>                                                                                                         |
| Area moment of inertia X (I <sub>x</sub> )     | 37.2 cm <sup>4</sup>                                                                                                       |
| Area moment of inertia Y (I <sub>y</sub> )     | 22.7 cm <sup>4</sup>                                                                                                       |
| Moment of resistance X (W <sub>x</sub> )       | 12.4 cm <sup>3</sup>                                                                                                       |
| Moment of resistance Y (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>                                                                                                       |
| Mass (m)                                       | 3 kg/m                                                                                                                     |
| Material                                       | Aluminum, anodized                                                                                                         |
| Color                                          | Natural                                                                                                                    |
| Packaging unit                                 | 1                                                                                                                          |
| Profile adaptation                             | D9.8 / D17: slots B/D - D9.8V / D17V: slots A/C - LF: slots A/C - F1: slot A                                               |
| Recommended accessories                        | Cover cap 45x60 black, Cover cap 45x60 signal gray, Cover cap with hole 45x60 black, Cover cap with hole 45x60 signal gray |