

# Strebenprofil 45x90L, eloxiertes Aluminium, ESD- geeignet, Länge variabel - Bosch Rexroth 3842992432-1000

Item no. BRR-3842992432-1000

Manufacturer Bosch Rexroth

Strut profile with a 45x90L cross-section, made from anodized aluminum for the Bosch Rexroth assembly system. The profile is ESD-suitable, features 6 open slots on a 45 mm modular grid, and is supplied cut to length between 50 mm and 6070 mm. Suitable for assembly frames, machine enclosures, and workstation structures.

## 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        | 76042100                                                                                                                                                |

## STANDARDS & COMPLIANCE

ESD safe

## DESCRIPTION

The 45x90L strut profile in anodized aluminum is a structural component of the Bosch Rexroth profile system, designed as a load-bearing element for assembly frames, workstation systems, and machine enclosures. The asymmetric 45x90L cross-section delivers high stiffness in the primary load direction while keeping weight low. ESD suitability makes it appropriate for use in electrostatically sensitive production environments.

- 6 open slots for flexible connections and add-on components without removing the profile
- Cut-to-length supply: any dimension from 50 mm to 6070 mm
- Factory machining options: M12 threads in all core bores, D17 in slots B/F and C/E, D17V and longitudinal slot LF in slots A/D
- ESD-suitable for deployment in static-sensitive areas
- Anodized aluminum surface provides corrosion and wear resistance

## TECHNICAL DATA

| Property      | Value  |
|---------------|--------|
| Cross-section | 45x90L |



| Property                                    | Value                                                                                                                      |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Profile type                                | Standard                                                                                                                   |
| Modular dimension                           | 45 mm                                                                                                                      |
| Open slots                                  | 6                                                                                                                          |
| Profile slot                                | 10                                                                                                                         |
| Length min                                  | 50 mm                                                                                                                      |
| Length max                                  | 6070 mm                                                                                                                    |
| Dimensions                                  | 45x90 mm                                                                                                                   |
| Material                                    | Aluminum, anodized                                                                                                         |
| Color                                       | Natural                                                                                                                    |
| ESD-suitable                                | Yes                                                                                                                        |
| Profile surface area (A)                    | 11.3 cm <sup>2</sup>                                                                                                       |
| Mass                                        | 3 kg/m                                                                                                                     |
| Area moment of inertia I <sub>x</sub>       | 82 cm <sup>4</sup>                                                                                                         |
| Moment of resistance W <sub>x</sub>         | 18.2 cm <sup>3</sup>                                                                                                       |
| Area moment of inertia I <sub>y</sub>       | 23.6 cm <sup>4</sup>                                                                                                       |
| Moment of resistance W <sub>y</sub>         | 10.5 cm <sup>3</sup>                                                                                                       |
| Torsional moment of inertia I <sub>t</sub>  | 15.1 cm <sup>4</sup>                                                                                                       |
| Moment of torsion resistance W <sub>t</sub> | 4.4 cm <sup>3</sup>                                                                                                        |
| Profile machining                           | M12: all core bores; D17: slots B/F, C/E; D17V: slots A/D; LF: slots A/D                                                   |
| Packaging unit                              | 1                                                                                                                          |
| Recommended accessories                     | Cover cap 45x90 black, cover cap 45x90 signal gray, cover cap with hole 45x90 black, cover cap with hole 45x90 signal gray |