

## Strut Profile 90x90L, Anodized Aluminum, 8 Slots, 45 mm Grid - Bosch Rexroth 3842993680

Item no. BRR-3842993680

Manufacturer Bosch Rexroth

Extruded anodized aluminum strut profile for structural framing, workstations, and machine guarding within the Bosch Rexroth profile system. Eight open slots (10 mm width) on a 45 mm grid allow tool-free connection of system components in any direction. Available cut to length from 50 to 6070 mm, with standard or custom end machining options.

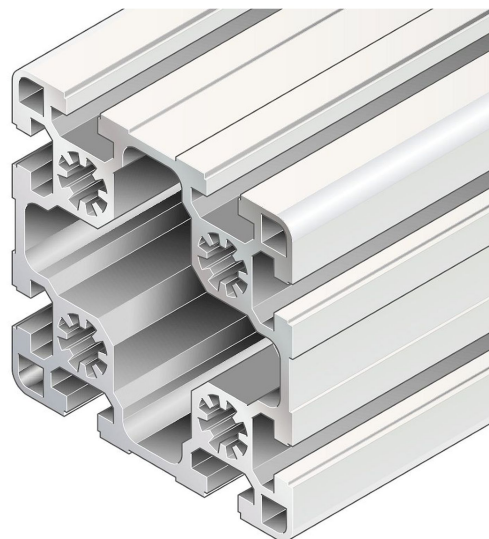
### TECHNICAL DATA

Ausführungsklasse **TEC**

Country of Manufacture **Germany**

HS-Code **76042100**

Note **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**


31434

### DESCRIPTION

The 90x90L strut profile in anodized aluminum is the primary load-bearing element for workstations, equipment frames, and machine structures built on the Bosch Rexroth profile system. An area moment of inertia of 211.1 cm<sup>4</sup> in both axes and a cross-sectional area of 24.1 cm<sup>2</sup> deliver high rigidity at a linear mass of 6.5 kg/m.

- Eight open slots (10 mm wide) give unrestricted access for connectors and accessories in any orientation - no drilling required
- Symmetric 90x90 mm cross-section with 45 mm modular grid - fully compatible with all Rexroth Q&E system components
- Cut to any length from 50 to 6070 mm, supplied individually (packaging unit: 1)
- Standard profile finishing: M12 / D9.8 / D17 / DB17 (minimum length applies)
- Customized profile finishing: DI / DIS / MT / MTS / MI / MIS / DG (DGmax = 45°, Lmin1/Lmin2 = 456/612 mm)
- Surface: aluminum, anodized, natural color

### TECHNICAL DATA

| Property        | Value  |
|-----------------|--------|
| Cross-section   | 90x90L |
| Dimensions [mm] | 90x90  |

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| Property                                              | Value                                                |
|-------------------------------------------------------|------------------------------------------------------|
| Modular dimension [mm]                                | 45                                                   |
| Profile slot [mm]                                     | 10                                                   |
| Open slots                                            | 8                                                    |
| Profile type                                          | Standard                                             |
| Length min [mm]                                       | 50                                                   |
| Length max [mm]                                       | 6070                                                 |
| Mass [kg/m]                                           | 6.5                                                  |
| Profile surface [A] [cm <sup>2</sup> ]                | 24.1                                                 |
| Area moment of inertia $I_x = I_y$ [cm <sup>4</sup> ] | 211.1                                                |
| Moment of resistance $W_x = W_y$ [cm <sup>3</sup> ]   | 46.9                                                 |
| Torsional moment of inertia $I_t$ [cm <sup>4</sup> ]  | 82.1                                                 |
| Moment of torsion resistance $W_t$ [cm <sup>3</sup> ] | 20.1                                                 |
| Material                                              | Aluminum, anodized                                   |
| Color                                                 | Natural                                              |
| Standard profile finishing                            | M12 / D9.8 / D17 / DB17                              |
| Customized profile finishing                          | DI / DIS / MT / MTS / MI / MIS / DG                  |
| Recommended accessories                               | Cover cap 90x90L black, Cover cap 90x90L signal gray |