

## Strut Profile 80x80L 4N, ESD-Suitable, Anodized Aluminum - Bosch Rexroth 3842993769

Item no. BRR-3842993769

Manufacturer Bosch Rexroth

Anodized aluminum strut profile with 80x80L cross-section and four open slots (40 mm grid, 10 mm slot width) for building flexible assembly and workstation structures. ESD-suitable and cut to order in lengths from 50 mm to 6070 mm. Standard and custom machining options - M12, D9.8, drill and thread patterns - available at time of order.

### TECHNICAL DATA

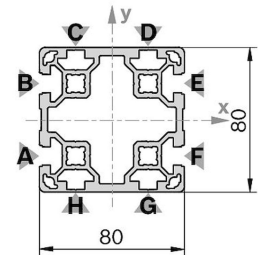
|                        |                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                  |

### 80x80L 4N

$A = 19,3 \text{ cm}^2$   
 $I_x = 142,5 \text{ cm}^4$   
 $I_y = 142,5 \text{ cm}^4$   
 $W_x = 35,6 \text{ cm}^3$   
 $W_y = 35,6 \text{ cm}^3$   
 $m = 5,2 \text{ kg/m}$



33095



## STANDARDS & COMPLIANCE

ESD safe

## DESCRIPTION

The Bosch Rexroth Strut Profile 80x80L 4N is an anodized aluminum profile with a square 80 x 80 mm cross-section and four open slots. It serves as the primary structural element for assembly lines, workstations, and guarding systems built on the Rexroth profile platform, and meets ESD requirements for electronics production environments.

- Four open slots (10 mm width, 40 mm grid pitch) allow connectors and attachments to be added on all sides without repositioning.
- Cut-to-length from 50 mm to 6070 mm - the profile is manufactured to the ordered dimension.
- ESD suitability protects electrostatic-sensitive components during electronic assembly.
- Anodized aluminum (natural color) provides lasting corrosion resistance and dimensional stability.
- Standard profile finishing: M12, D9.8, D17, DB17, F1 (A,B,E,F) at specified slots; observe minimum length requirements.
- Customized finishing: DI / DIS / MT / MTS / MI / MIS / DG (DGmax = 45°, Lmin1/Lmin2 = 439/578 mm).

## TECHNICAL DATA

| Property                                                       | Value                                                       |
|----------------------------------------------------------------|-------------------------------------------------------------|
| Cross-section                                                  | 80x80L 4N                                                   |
| Dimensions [mm]                                                | 80 x 80                                                     |
| Profile type                                                   | 4N                                                          |
| Open slots                                                     | 4                                                           |
| Profile slot [mm]                                              | 10                                                          |
| Modular dimension [mm]                                         | 40                                                          |
| Length min [mm]                                                | 50                                                          |
| Length max [mm]                                                | 6070                                                        |
| Material                                                       | Aluminum, anodized                                          |
| Color                                                          | Natural                                                     |
| ESD-suitable                                                   | Yes                                                         |
| Mass [kg/m]                                                    | 5.2                                                         |
| Profile surface A [cm <sup>2</sup> ]                           | 19.3                                                        |
| Area moment of inertia I <sub>x</sub> [cm <sup>4</sup> ]       | 142.5                                                       |
| Area moment of inertia I <sub>y</sub> [cm <sup>4</sup> ]       | 142.5                                                       |
| Moment of resistance W <sub>x</sub> [cm <sup>3</sup> ]         | 35.6                                                        |
| Moment of resistance W <sub>y</sub> [cm <sup>3</sup> ]         | 35.6                                                        |
| Torsional moment of inertia I <sub>t</sub> [cm <sup>4</sup> ]  | 92                                                          |
| Moment of torsion resistance W <sub>t</sub> [cm <sup>3</sup> ] | 16.8                                                        |
| Packaging unit                                                 | 1                                                           |
| Recommended accessories                                        | Cover cap 80x80 signal gray, Mounting hole plug 80x80 black |