

## Strut Profile 45x90L, Anodized Aluminum, ESD- Suitable, Cut-to-Length 50-6070 mm - Bosch Rexroth 3842992432

Item no. BRR-3842992432

Manufacturer Bosch Rexroth

Strut profile 45x90L in anodized aluminum for structural frames, guards, and workstations. Six open slots, 45 mm modular dimension, and ESD suitability make it a direct fit for electrostatically sensitive production environments. Supplied cut to length from 50 to 6070 mm; mass 3 kg/m.

### 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                                                                                                                                                  |



### STANDARDS & COMPLIANCE

ESD safe

### DESCRIPTION

The 45x90L strut profile is an anodized aluminum structural section from the Bosch Rexroth Assembly Technology system, with a 45x90 mm cross-section and a 45 mm modular dimension. It is supplied cut to the ordered length (50 to 6070 mm) and is suited to load-bearing frames, protective enclosures, and workstation structures in electrostatically sensitive manufacturing environments (ESD-suitable).

- 6 open slots (slot size 10) accept connectors, brackets, and guides without pre-drilling
- Factory machining options: M12 tapped in all core holes; D17 in slots B/F and C/E; D17V and LF in slots A/D
- ESD-suitable - safe for use in areas with electrostatic-discharge requirements
- Anodized aluminum surface: corrosion-resistant, natural color, lightweight and dimensionally stable
- Cut-to-length pricing - you pay only for the length you need (1 piece per order position)

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## TECHNICAL DATA

| Property                                      | Value                                                                                                                      |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Cross-section                                 | 45x90L                                                                                                                     |
| Dimensions                                    | 45x90 mm                                                                                                                   |
| Modular dimension                             | 45 mm                                                                                                                      |
| Profile slot                                  | 10                                                                                                                         |
| Open slots                                    | 6                                                                                                                          |
| Profile type                                  | Standard                                                                                                                   |
| Material                                      | Aluminum, anodized                                                                                                         |
| Color                                         | Natural                                                                                                                    |
| ESD                                           | Yes                                                                                                                        |
| Condition on delivery                         | Variable length                                                                                                            |
| Length min                                    | 50 mm                                                                                                                      |
| Length max                                    | 6070 mm                                                                                                                    |
| Mass                                          | 3 kg/m                                                                                                                     |
| Profile surface area (A)                      | 11.3 cm <sup>2</sup>                                                                                                       |
| Area moment of inertia I <sub>x</sub>         | 82 cm <sup>4</sup>                                                                                                         |
| Area moment of inertia I <sub>y</sub>         | 23.6 cm <sup>4</sup>                                                                                                       |
| Moment of resistance W <sub>x</sub>           | 18.2 cm <sup>3</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>                                                                                                       |
| Torsion resistance moment (W <sub>t</sub> )   | 4.4 cm <sup>3</sup>                                                                                                        |
| Profile machining                             | M12: all core holes; 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 |