

Strebenprofil 45x90, eloxiertes Aluminium, ESD- geeignet, Länge 50-6070 mm - Bosch Rexroth 3842990300

Item no. BRR-3842990300

Manufacturer Bosch Rexroth

Asymmetric aluminum strut profile with a 45x90 mm cross-section and 6 open slots on the 45 mm modular grid, for building machine frames, guards, and assembly structures. The anodized finish is ESD-suitable, and the profile is supplied cut to the length you specify, from 50 mm up to 6070 mm. Pre-machined cores for M12, M16, and D17 fasteners allow direct bolted connections without additional drilling.

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	0.1 kg
Zolltarifnummer	76042100

STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The Bosch Rexroth Strut Profile 45x90 is an asymmetric aluminum profile within the 45 mm modular system, suited to load-bearing frames, machine guards, and conveyor structures in assembly and automation environments. It is supplied as a cut-to-length item at the exact dimension ordered.

- 6 open slots accept standard T-nuts and connectors from the 45 mm system without through-drilling the profile.
- Pre-machined cores for M12 and M16 in all channels, plus D17 in slots B/F and C/E (D17V in slot A/D), enable direct fastening without pre-drilling on site.
- Anodized natural-color surface provides corrosion protection; profile is rated ESD-suitable by Bosch Rexroth.
- Order any length from 50 mm to 6070 mm - covers everything from short spacers to long structural spans.
- High stiffness in the primary bending axis: area moment of inertia $I_x = 124.6 \text{ cm}^4$, section modulus $W_x = 27.7 \text{ cm}^3$.



TECHNICAL DATA

Property	Value
Cross-section	45x90 mm
Modular dimension	45 mm
Profile type	Standard
Open slots	6
Profile slot width	10 mm
Min / max length	50 mm / 6070 mm
Condition on delivery	Cut to length (variable)
Material	Aluminum, anodized
Color	Natural
ESD suitability	Yes
Profile cross-section area [A]	15.4 cm ²
Mass [m]	4.2 kg/m
Area moment of inertia I _x	124.6 cm ⁴
Section modulus W _x	27.7 cm ³
Area moment of inertia I _y	32.8 cm ⁴
Section modulus W _y	14.6 cm ³
Torsional moment of inertia [I _t]	15.4 cm ⁴
Torsional section modulus [W _t]	6.61 cm ³
Pre-machined features	M12, M16 in all cores; D17 in slots B/F, C/E; D17V in slot A/D
Recommended accessories	Cover cap 45x90 black/signal gray, Cover cap with hole 45x90 black/signal gray
Packaging unit	1 piece