

Strebenprofil 45x270, Aluminium eloxiert, variable Länge 50-6000 mm - Bosch Rexroth 3842992927-1000

Item no. BRR-3842992927-1000

Manufacturer Bosch Rexroth

Wide aluminum strut profile with a 45x270 mm cross-section and 13 open slots for demanding load-bearing structures in the 45 mm grid system. Variable cut-to-length from 50 to 6000 mm allows precise adaptation to each application. Anodized natural-finish aluminum provides lasting corrosion resistance with no additional surface treatment required.

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	17 kg
Zolltarifnummer	76042100



DESCRIPTION

The Bosch Rexroth Strut Profile 45x270 delivers high bending stiffness for heavy support frames, machine enclosures, and gantry structures thanks to its wide cross-section and 13 open profile slots. Supplied in variable length and cut to the exact dimension required on site or at point of order.

- **High bending stiffness in the x-direction:** area moment of inertia $I_x = 3962 \text{ cm}^4$, section modulus $W_x = 300.2 \text{ cm}^3$ - suitable for heavy loads over long spans.
- **13 open profile slots** (slot width 10 mm) allow flexible connections and attachments on all faces without retooling.
- **Variable length** from 50 to 6000 mm - precise cut lengths reduce waste and assembly effort.
- **M12 profile machining** in core pulls under slots C and F available ex works.
- **Anodized aluminum, natural color** - corrosion-resistant, lightweight, ready to install without further surface treatment.

TECHNICAL DATA

Property	Value
Cross-section	45 x 270 mm
Modular dimension	45 mm
Profile slot width	10 mm
Open slots	13

Property	Value
Profile type	Standard
Length min	50 mm
Length max	6000 mm
Area moment of inertia I _x	3962 cm ⁴
Section modulus W _x	300.2 cm ³
Area moment of inertia I _y	118 cm ⁴
Section modulus W _y	61.6 cm ³
Profile surface A	61.9 cm ²
Mass	16.7 kg/m
Material	Aluminum, anodized
Color	Natural
Profile machining	M12 in core pulls under slots C, F
Recommended accessories	Cover cap 45x90 signal gray, Cover cap 45x90 black
Packaging unit	1