

Strut Profile 45x270, Anodized Aluminum, Variable Length 50-6000 mm - Bosch Rexroth 3842992927

Item no. BRR-3842992927

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with a 45x270 mm cross-section, 13 open slots, and a 45 mm modular pitch for use in assembly and automation structures. Supplied cut to length (50 to 6000 mm), anodized natural finish. High bending stiffness with an area moment of inertia of 3962 cm⁴ in the x-direction.

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



DESCRIPTION

The Bosch Rexroth strut profile 45x270 is an anodized aluminum standard profile designed for load-bearing and framing applications in assembly and automation systems. It is delivered cut to the customer's specified length between 50 and 6000 mm.

- **13 open slots** provide flexible attachment points for connections and accessories without additional machining.
- **Area moment of inertia $I_x = 3962 \text{ cm}^4$** delivers high bending stiffness in the primary load direction, suitable for long spans and heavy loads.
- **Standard M12 machining** in core pulls beneath slots C and F is included, simplifying assembly connections.
- **Anodized surface** provides long-term corrosion resistance and easy cleaning in production environments.
- 45 mm modular pitch ensures full compatibility with the Bosch Rexroth Series 45 modular framing system.

TECHNICAL DATA

Property	Value
Cross-section	45x270 mm
Modular dimension	45 mm

Property	Value
Profile slot	10 mm
Open slots	13
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
Length min / max	50 mm / 6000 mm
Condition on delivery	Variable length (cut to size)
Area moment of inertia I _x	3962 cm ⁴
Moment of resistance W _x	300.2 cm ³
Area moment of inertia I _y	118 cm ⁴
Moment of resistance W _y	61.6 cm ³
Profile surface A	61.9 cm ²
Mass m	16.7 kg/m
Profile machining	M12 in core pulls beneath slots C, F
Packaging unit	1
Recommended accessories	Cover cap 45x90 signal gray, Cover cap 45x90 black