

Strebenprofil 45x270 Q&E, Aluminium eloxiert, 13 Nuten - Bosch Rexroth 3842993732-1000

Item no. BRR-3842993732-1000

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with a 45x270 mm cross-section, 13 open slots, and a 45 mm modular dimension. The anodized standard profile delivers high bending stiffness for demanding support structures and machine frames within the Bosch Rexroth profile system. Available in lengths from 80 mm to 6000 mm with standard and custom machining options.

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	0.0099 kg
Zolltarifnummer	76042100



DESCRIPTION

The Bosch Rexroth Strut Profile 45x270 Q&E is a wide-section anodized aluminum profile engineered for high bending and torsional loads in structural assembly applications. An area moment of inertia of 3962 cm⁴ in the x-direction and 13 open slots of size 10 provide both structural integrity and broad connection flexibility within the 45 mm modular grid.

- High bending stiffness: area moment of inertia I_x 3962 cm⁴, moment of resistance W_x 300.2 cm³
- 13 open slots (slot size 10) for versatile fastening and connection options across the profile length
- Anodized aluminum construction - corrosion-resistant, lightweight, and durable
- Flexible cut-to-length: 80 mm to 6000 mm, standard machining M12/D9.8/D17/DB17/F1 at specified slots
- Custom machining (DI, DIS, MT, MTS, MI, MIS) available on request

TECHNICAL DATA

Property	Value
Cross-section	45x270 mm
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
Modular dimension	45 mm

Property	Value
Profile slot	Size 10
Open slots	13
Profile surface (A)	61.9 cm ²
Mass (m)	16.7 kg/m
Area moment of inertia I _x	3962 cm ⁴
Area moment of inertia I _y	118 cm ⁴
Moment of resistance W _x	300.2 cm ³
Moment of resistance W _y	61.6 cm ³
Length min. (L min)	80 mm
Length max. (L max)	6000 mm
Packaging unit	1
Standard machining	M12 / D9.8 (B,C,D,E,F,G,I,J,K,L,M) / D17 (B,C,D,E,F,G,I,J,K,L,M) / DB17 / F1 (A,H)
Custom machining	DI / DIS / MT / MTS / MI / MIS
Recommended accessories	Cover cap 45x90 signal gray, Cover cap 45x90 black