

Strebenprofil 45x90x90L, winkelig, 6 Nuten, Aluminium eloxiert - Bosch Rexroth 3842993682

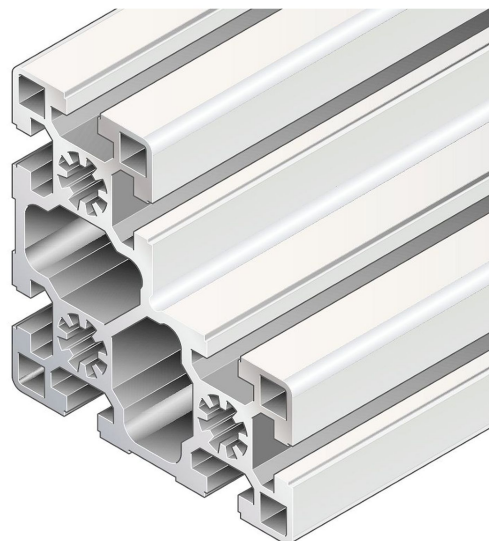
Item no. BRR-3842993682

Manufacturer Bosch Rexroth

Angled aluminum strut profile with a 45x90x90L cross-section and 6 open slots for use in the Bosch Rexroth 45 mm modular framing system. The anodized finish provides corrosion resistance for industrial assembly and support structures. Available cut to length from 50 mm to 6070 mm; standard and custom profile finishing options on request.

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



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DESCRIPTION

The strut profile 45x90x90L is an angled aluminum extrusion within the Bosch Rexroth 45 mm modular system. Its asymmetric 45x90x90 cross-section combined with 6 open slots (slot size 10) makes it well suited for bracing, angled frames, and load-bearing structures where both connection flexibility and structural rigidity are required. Material: aluminum, anodized, color natural.

- 6 open slots (slot size 10) on all faces for versatile connection at any position along the profile
- Angled 45x90x90 cross-section - designed for diagonal bracing and inclined structural members
- Area moment of inertia $I_x = I_y = 152.1 \text{ cm}^4$; moments of resistance $W_x = 19.1 \text{ cm}^3$ / $W_y = 32.6 \text{ cm}^3$ for reliable load calculations
- Cut to any length between 50 mm and 6070 mm; linear mass 5.7 kg/m
- Standard profile finishing M12 / D9.8 / D17 / DB17(A,B,C,F,G,H) at specified slots; custom options DI / DIS / MT / MTS / MI / MIS / DG available
- Note: DGmax = 45°; minimum lengths for standard finishing Lmin1/Lmin2 = 456/612 mm

TECHNICAL DATA

Property	Value
Cross-section	45x90x90L
Dimensions	45x90x90 mm
Profile type	Angled

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Property	Value
Modular dimension	45 mm
Profile slot	10
Open slots	6
Material	Aluminum, anodized
Color	Natural
Length min (L min)	50 mm
Length max (L max)	6070 mm
Mass	5.7 kg/m
Profile surface (A)	21.2 cm ²
Area moment of inertia X (I _x)	152.1 cm ⁴
Area moment of inertia Y (I _y)	152.1 cm ⁴
Moment of resistance X (W _x)	19.1 cm ³
Moment of resistance Y (W _y)	32.6 cm ³
Torsional moment of inertia (I _t)	34.9 cm ⁴
Moment of torsion resistance (W _t)	11.6 cm ³
Standard profile finishing	M12 / D9.8 / D17 / DB17(A,B,C,F,G,H)
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG
Finishing minimum length	Lmin1/Lmin2 = 456/612 mm; DGmax = 45°
Packaging unit	1
Recommended accessories	Cover cap 45x90x90 black/signal gray, cover cap with hole 45x90x90 black/signal gray