

Strut Profile 45x90 SL, Anodized Aluminum, 6 Slots, L 50-6070 mm - Bosch Rexroth 3842993759

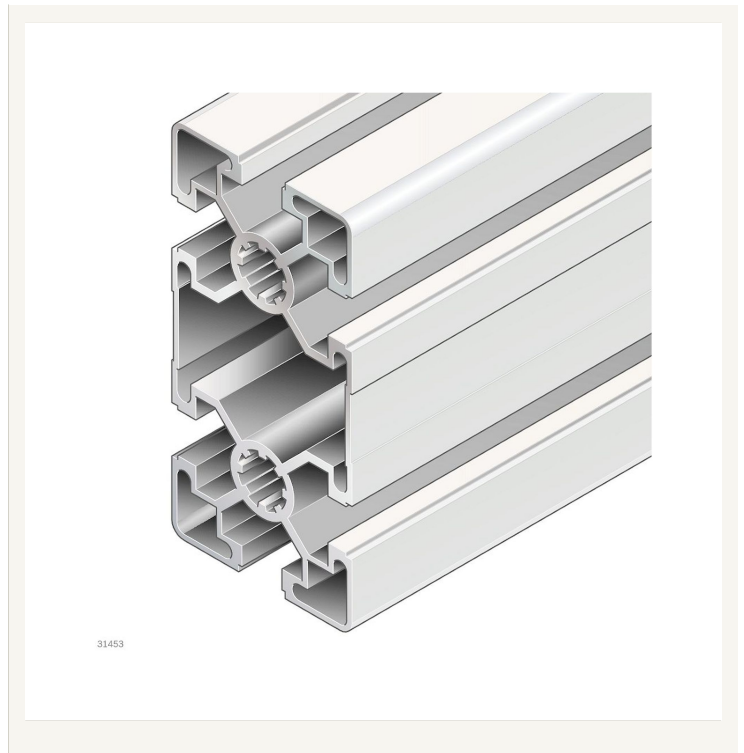
Item no. BRR-3842993759

Manufacturer Bosch Rexroth

The 45x90 SL strut profile is an anodized aluminum extrusion in the 45 mm grid system with six open slots (10 mm slot width). It provides the structural backbone for machine frames, guards, and support structures within the Bosch Rexroth 45 modular system. Available cut to length from 50 mm to 6070 mm, with standard or customized end machining options.

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 45x90 SL strut profile in anodized aluminum is a core structural element of the Bosch Rexroth 45 modular profile system. Six open slots with a 10 mm slot width allow tool-free connection of brackets, fasteners, and accessories at any position along the profile length. The asymmetric 45x90 cross-section delivers significantly higher bending stiffness in the x-direction than in the y-direction, making it the right choice for cross-members, frame rails, and applications with predominantly single-axis loading.

- Six open slots for flexible, drill-free connections anywhere along the length
- Area moment of inertia $I_x = 73.4 \text{ cm}^4$ for high bending resistance in the primary load direction
- Custom cut-to-length from 50 mm to 6070 mm
- Standard machining options: M12 / D9.8 / D17 / DB17 (minimum length applies)
- Customized machining options: DI / DIS / DG (DGmax = 45°, Lmin1/Lmin2 = 456/612 mm)
- Anodized surface for corrosion resistance and clean appearance in production environments

TECHNICAL DATA

Specification	Value
Cross-section	45x90 SL
Profile type	Standard
Modular dimension	45 mm

esd.equipment

Keldersstr. 15
42697 Solingen, Deutschland
VAT ID: DE269659389

Phone: +49 212 38340680
shop@esd-equipment.com

esd.equipment

Page 1/2

Specification	Value
Slot width	10 mm
Open slots	6
Length min. (L min)	50 mm
Length max. (L max)	6070 mm
Mass	2.4 kg/m
Profile surface area (A)	9 cm ²
Area moment of inertia I _x	73.4 cm ⁴
Area moment of inertia I _y	18.1 cm ⁴
Moment of resistance W _x	16.3 cm ³
Moment of resistance W _y	8.0 cm ³
Torsional moment of inertia I _t	8.57 cm ⁴
Moment of torsion resistance W _t	4.0 cm ³
Material	Aluminum, anodized
Color	Natural
Packaging unit	1 piece
Standard profile finishing	M12 / D9.8 / D17 / DB17
Customized profile finishing	DI / DIS / DG
Recommended accessories	Cover cap 45x90 black, Cover cap 45x90 signal gray, Cover cap with hole 45x90 black, Cover cap with hole 45x90 signal gray