

Strut Profile 45x90, Anodized Aluminum, 6 Slots, 45 mm Grid - Bosch Rexroth 3842993661

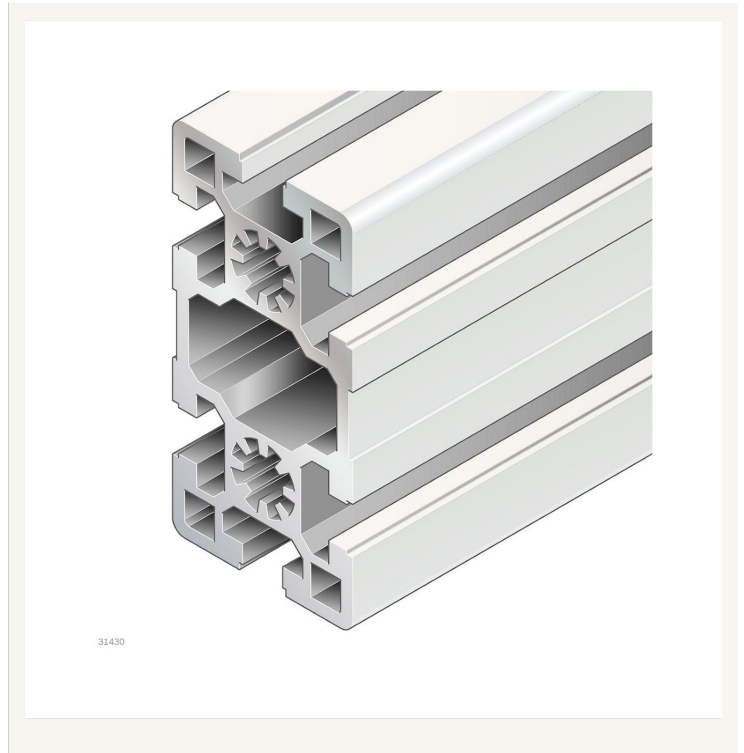
Item no. BRR-3842993661

Manufacturer Bosch Rexroth

Asymmetric aluminum strut profile 45x90 mm (anodized, natural) for frames, sub-structures, and machine bases in the Bosch Rexroth profile system. Six open slots (10 mm slot width, 45 mm modular grid) allow flexible connector placement on all sides. Available in lengths from 50 mm to 6070 mm, with optional standard or customized profile finishing.

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 strut profile in anodized aluminum is the structural backbone for frames, braces, and support structures in the Bosch Rexroth assembly technology system. The asymmetric cross-section (45x90 mm) delivers an area moment of inertia of 124.6 cm⁴ in the x-direction and a moment of resistance of 27.7 cm³ - making it well suited for bending-loaded applications where the primary load acts along the 90 mm face. Six open slots (10 mm width) allow tool-free positioning of connectors, brackets, and accessories on all four profile faces.

- Six open slots (10 mm) for maximum connection flexibility without disassembly
- Area moment of inertia I_x 124.6 cm⁴ / I_y 32.8 cm⁴ - high bending stiffness in the primary load direction
- Anodized aluminum surface: corrosion-resistant, easy to clean, dimensionally stable over service life
- Flexible length: 50 mm to 6070 mm; standard profile finishing M12 / M16 / D9.8 / D17 / DB17 / F1(A,D) available ex-works
- Customized finishing: DI / DIS / MT / MTS / MI / MIS / DG on request (DG_{max} = 45°, L_{min1}/L_{min2} = 456/612 mm)
- Fully compatible with the Bosch Rexroth profile system (45 mm modular grid)

TECHNICAL DATA

Property	Value
Cross-section	45x90 mm
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
Open slots	6
Slot width	10 mm
Modular dimension	45 mm
Length min.	50 mm
Length max.	6070 mm
Mass	4.2 kg/m
Profile surface [A]	15.4 cm ²
Area moment of inertia [Ix]	124.6 cm ⁴
Area moment of inertia [Iy]	32.8 cm ⁴
Moment of resistance [Wx]	27.7 cm ³
Moment of resistance [Wy]	14.6 cm ³
Torsional moment of inertia [It]	15.4 cm ⁴
Moment of torsion resistance [Wt]	6.61 cm ³
Standard profile finishing	M12 / M16 / D9.8 / D17 / DB17 / F1(A,D)
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG
Packaging unit	1 piece