

Strut Profile 50x100L, Anodized Aluminium, 6 Slots, 50 mm Grid - Bosch Rexroth 3842993663

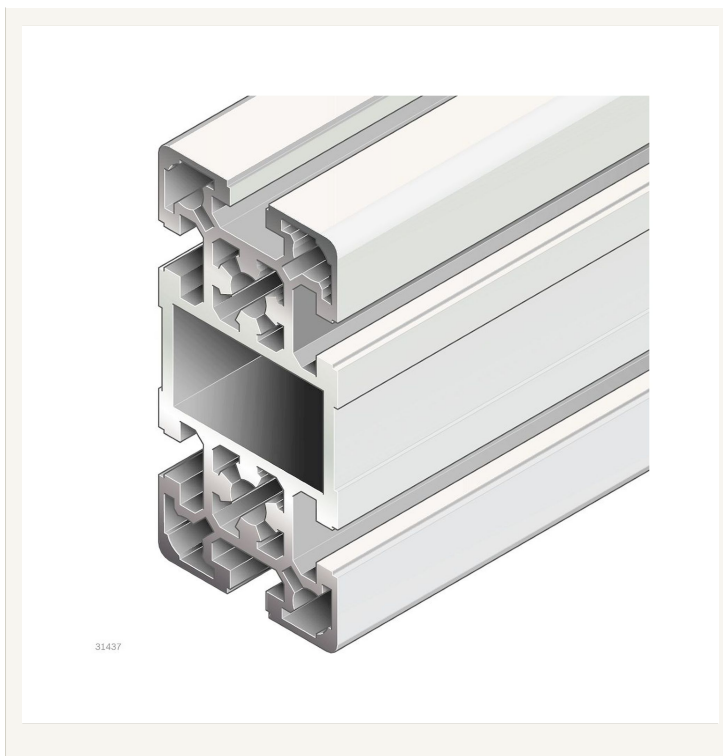
Item no. BRR-3842993663

Manufacturer Bosch Rexroth

Extruded anodized aluminium strut profile with 50x100 mm L-section cross-section and 6 open slots (size 10) for the Bosch Rexroth assembly system. Available in cut-to-length from 50 to 6070 mm with a choice of standard or customized profile finishing. Suited to frames and load-bearing structures where higher bending stiffness is needed in the primary load 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 50x100L strut profile in anodized aluminium brings an asymmetric rectangular section to the Bosch Rexroth assembly system, combining higher bending stiffness in the main load direction with efficient material use. The 50 mm modular grid ensures full compatibility with all standard connectors and mounting elements in the system.

- 6 open slots (slot size 10) for flexible connection and fixing points on all faces
- Area moment of inertia $I_x = 162.8 \text{ cm}^4$ (x-direction) and $I_y = 42.6 \text{ cm}^4$ (y-direction) for targeted design to the primary load direction
- Delivery length 50 to 6070 mm - precision cut-to-length on order
- Standard profile finishing: M12 / M16 / D9.8 / D17 / DB17 / F1(A,D); customized finishing: DI / DIS / MT / MTS / MI / MIS / DG
- Anodized aluminium: corrosion-resistant, hard surface, dimensionally stable over service life

TECHNICAL DATA

Property	Value
Cross-section	50x100 mm (L-section)
Profile type	Standard
Modular dimension	50 mm

Property	Value
Profile slot	10
Open slots	6
Color	Natural (anodized)
Length min / max	50 mm / 6070 mm
Mass per meter	4.6 kg/m
Profile surface A	17.2 cm ²
Area moment of inertia I _x	162.8 cm ⁴
Area moment of inertia I _y	42.6 cm ⁴
Moment of resistance W _x	32.6 cm ³
Moment of resistance W _y	17.0 cm ³
Torsional moment of inertia I _t	29.43 cm ⁴
Moment of torsion resistance W _t	10.7 cm ³
Standard profile finishing	M12 / M16 / D9.8 / D17 / DB17 / F1(A,D)
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG
Finishing note	DGmax = 45°, Lmin1 / Lmin2 = 474 / 648 mm
Material	Aluminium, anodized
Packaging unit	1 piece
Recommended accessories	Cover cap 50x50 black / signal gray, Cover cap with hole 50x50 black / signal gray