

Strut Profile 100x100L, Anodized Aluminum, Variable Length 50-6070 mm - Bosch Rexroth 3842993171

Item no. BRR-3842993171

Manufacturer Bosch Rexroth

Extruded anodized aluminum strut profile with a 100x100L cross-section, 8 open slots and a 50 mm modular dimension. Supplied cut to length from 50 to 6070 mm. Suitable for load-bearing frame structures and machine bases within the Bosch Rexroth assembly system.

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 100x100L strut profile in anodized aluminum is the structural backbone for frames, machine bases and guarding in the Bosch Rexroth assembly system. Eight open slots (10 mm width), a 50 mm modular grid and pre-machined bores for M12 fasteners and D17 holes allow fast, precise connections to the full range of compatible accessories. Cut-to-length supply from 50 to 6070 mm minimizes waste and simplifies stock management.

- 8 open slots (10 mm) on all faces for maximum connection flexibility
- Pre-machined: M12 in all core bores; D17 in slots C/H and D/G; D17V in slots A/F and B/E
- High rigidity: area moment of inertia $I_x = I_y = 318.3 \text{ cm}^4$, moment of resistance $W_x = W_y = 63.7 \text{ cm}^3$
- Cut-to-length delivery - min. 50 mm, max. 6070 mm, packaging unit 1 piece
- Anodized aluminum surface for corrosion-resistant long-term use in production environments

TECHNICAL DATA

Property	Value
Cross-section	100x100L
Dimensions [mm]	100x100
Profile type	Standard
Open slots	8

Property	Value
Profile slot [mm]	10
Modular dimension [mm]	50
Length min. [mm]	50
Length max. [mm]	6070
Condition on delivery	Variable length
Packaging unit	1 piece
Material	Aluminum, anodized
Color	Natural
Mass [m] [kg/m]	8.1
Profile surface [A] [cm ²]	29.9
Area moment of inertia I _x [cm ⁴]	318.3
Area moment of inertia I _y [cm ⁴]	318.3
Moment of resistance W _x [cm ³]	63.7
Moment of resistance W _y [cm ³]	63.7
Torsional moment of inertia I _t [cm ⁴]	153.53
Moment of torsion resistance W _t [cm ³]	31.4
Profile machining	M12: all core bores; D17: slots C/H, D/G; D17V: slots A/F, B/E
Recommended accessories	Cover cap 100x100, black; Cover cap 100x100, signal gray