

Strebenprofil 100x100L, 6070 mm, Aluminium eloxiert - Bosch Rexroth 3842529356

Item no. BRR-3842529356

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile, cross-section 100x100L, 6070 mm length, for load-bearing frame structures and machine enclosures in the Bosch Rexroth assembly system. Eight open slots on a 50 mm grid allow direct attachment of connectors and brackets on all faces without drilling. Supplied as a single rod in standard length, profile slot 10.

TECHNICAL DATA

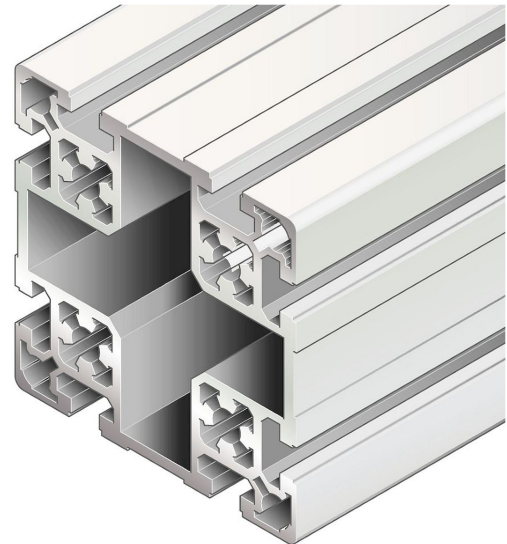
Country of Manufacture **Germany**

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.**

Length **6070 mm**

Weight **46.4 kg**

Zolltarifnummer **76042100**



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DESCRIPTION

The 100x100L strut profile at 6070 mm is a primary structural member for machine frames, enclosures, and workstation systems built on the Bosch Rexroth Assembly Technology platform. Its symmetric 100x100 mm cross-section with eight open slots supports connections from any face without machining, simplifying design and reducing build time.

- High bending stiffness: area moment of inertia $I_x = I_y = 318.3 \text{ cm}^4$ - suited for long spans and concentrated loads
- Symmetric cross-section: equal x- and y-axis values allow free orientation in the structure without recalculation
- Eight open slots on a 50 mm modular grid for direct mounting of connectors, brackets, and accessories
- Anodized aluminum surface: corrosion-resistant, hard-wearing, and dimensionally stable over the service life
- Supplied as a single rod in standard length - order exactly the quantity required

TECHNICAL DATA

Property	Value
Cross-section	100x100L
Length [L]	6070 mm

boxic24.com

Keldersstr. 15

42697 Solingen, Deutschland

VAT ID: DE269659389

Phone: +49 212 38340680

shop@boxic24.com

boxic24.com

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Property	Value
Dimensions	100x100 mm
Modular dimension	50 mm
Profile slot	10
Open slots	8
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
Mass [m]	8.1 kg/m
Weight (rod)	46.4 kg
Profile surface [A]	29.9 cm ²
Area moment of inertia [$I_x = I_y$]	318.3 cm ⁴
Moment of resistance [$W_x = W_y$]	63.7 cm ³
Torsional moment of inertia [I_t]	153.53 cm ⁴
Moment of torsion resistance [W_t]	31.4 cm ³
Condition on delivery	Single rod in standard length
Packaging unit	1
Recommended accessories	Cover cap 100x100 signal gray, Cover cap 100x100 black