

Strebenprofil 90x180L, 12 offene Nuten, 1000 mm, Aluminium eloxiert - Bosch Rexroth 3842992860-1000

Item no. BRR-3842992860-1000

Manufacturer Bosch Rexroth

Strut profile 90x180L in anodized aluminum with 12 open slots and a 45 mm modular dimension, designed for building rigid assembly frames, machine enclosures, and conveyor structures. M12 tapping in all core bores plus D17V and LF machining in slots A/H and B/G allow direct connection without additional drilling. Available cut-to-length from 90 mm to 6000 mm; this unit is 1000 mm.

TECHNICAL DATA

Ausführungsklasse	TEC
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.
Weight	0.0099 kg
Zolltarifnummer	76169990



DESCRIPTION

The 90x180L strut profile is the primary load-bearing element for demanding assembly frames, machine guards, and conveyor systems within the Bosch Rexroth profile system. An area moment of inertia of 1380 cm⁴ (x-direction) and a moment of resistance of 153.3 cm³ deliver high rigidity under bending loads while keeping structural weight low.

- 12 open slots (slot width 10 mm) allow connections and add-ons at any position along the full profile length
- 45 mm modular dimension - fully compatible with all Bosch Rexroth system profiles and connectors
- M12 machining in all core bores, D17V and LF in slots A/H and B/G - ready to assemble without rework
- Anodized aluminum (natural color) - corrosion-resistant, lightweight, and cleanroom-suitable surface
- Profile surface 42.8 cm², mass 11.6 kg/m - favorable strength-to-weight ratio
- Cut-to-length from 90 mm to 6000 mm; this unit: 1000 mm

TECHNICAL DATA

Property	Value
Cross-section	90x180L
Dimensions [mm]	90x180

Property	Value
Modular dimension [mm]	45
Profile slot [mm]	10
Open slots	12
Profile type	Standard
Color	Natural
Material	Aluminum, anodized
Length min [mm]	90
Length max [mm]	6000
Length this unit [mm]	1000
Mass [kg/m]	11.6
Profile surface A [cm ²]	42.8
Area moment of inertia I _x [cm ⁴]	1380
Moment of resistance W _x [cm ³]	153.3
Area moment of inertia I _y [cm ⁴]	401
Moment of resistance W _y [cm ³]	89.1
Torsional moment of inertia I _t [cm ⁴]	257
Moment of torsion resistance W _t [cm ³]	47.1
Profile machining	M12: all core bores; D17V + LF: slots A/H, B/G
Packaging unit	1
Recommended accessories	Cover cap 90x90L, black; Cover cap 90x90L, signal gray