

Strut Profile 90x180L D17V/D17V, Anodized Aluminum, 12 Open Slots - Bosch Rexroth 3842992864

Item no. BRR-3842992864

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile with a 90x180L cross-section and D17V machining on slots A/H and B/G on both sides. Twelve open slots on a 45 mm grid allow flexible connections throughout the Bosch Rexroth profile system. Available cut to length from 90 mm to 6000 mm.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
HS-Code	76169990
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 strut profile 90x180L D17V/D17V is an anodized aluminum extrusion of standard type, designed for rigid, load-bearing structures in assembly and automation technology. The asymmetric 90x180 mm cross-section delivers significantly higher bending stiffness in the primary load direction ($I_x = 1380 \text{ cm}^4$) compared to square profiles of equal width, simplifying structural calculations.

- Twelve open slots on a 45 mm grid enable connections and attachments on all faces without additional machining.
- Pre-machined M12 core holes in all positions plus D17V bores in slots A/H and B/G reduce assembly time on site.
- LF longitudinal connector machining in slots A/H and B/G supplied factory-ready.
- Anodized aluminum surface provides corrosion resistance and a clean finish with no further treatment required.
- Cut-to-length service: any length from 90 mm to 6000 mm, supplied as one unit.

TECHNICAL DATA

Property	Value
Cross-section	90x180L
Dimensions [mm]	90 x 180
Profile type	Standard

Property	Value
Material	Aluminum, anodized
Color	Natural
Modular dimension [mm]	45
Profile slot [mm]	10
Open slots	12
Length min [mm]	90
Length max [mm]	6000
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 in all core holes; D17V in slots A/H, B/G; LF in slots A/H, B/G
Packaging unit	1
Recommended accessories	Cover cap 90x90L black, cover cap 90x90L signal gray