

# Strebenprofil 60x90 F1/F1V, Aluminium eloxiert, 6 Nuten, Rastermaß 60 mm - Bosch Rexroth 3842990481

**Item no.** BRR-3842990481 **Manufacturer** Bosch Rexroth

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Extruded anodized aluminum strut profile with a 60x90 mm cross-section, 6 open slots, and a 60 mm modular pitch for modular machine and assembly frames. Cut to length between 110 mm and 6000 mm, this standard-series profile accepts all Bosch Rexroth profile system connectors and fasteners. D17 machining enables slot-in-slot connections on all six slot axes.

## TECHNICAL DATA

Article authenticity	<b>Original product</b>
Condition of article	<b>New</b>
Country of Manufacture	<b>Germany</b>
ESD-Ausführung	<b>TEC</b>
Hinweis	<b>Gemäß der aktuellen Preisstruktur werden für Bestellungen von Profilen mit einer Länge von 1500 mm zusätzliche Kosten in Höhe von 80,00 Euro berechnet.</b>
Weight	<b>0.1 kg</b>
Zolltarifnummer	<b>76169990</b>



## STANDARDS & COMPLIANCE

**ESD safe**

## DESCRIPTION

The strut profile 60x90 F1/F1V is an anodized aluminum profile with a rectangular 60x90 mm cross-section and six open slots. It serves as the primary longitudinal structural member in Bosch Rexroth profile system frames and is supplied cut to length from 110 mm up to 6000 mm.

- Six open slots (slot type 10, 60 mm modular pitch) for full connection flexibility on all profile

faces

- High bending stiffness: area moment of inertia  $I_x$  214.2 cm<sup>4</sup> (x-direction),  $I_y$  90.5 cm<sup>4</sup> (y-direction)
- D17 machining: pre-drilled connection bores in slots B/F and C/E; D17V variant in slots A/D for direct slot-in-slot assembly
- Anodized aluminum surface - corrosion-resistant, abrasion-resistant, natural finish
- Cut-to-length pricing: billed by actual length ordered, minimum 110 mm

## Technical data

Property	Value
Cross-section	60x90 mm
Modular dimension	60 mm
Profile slot	10
Open slots	6
Profile type	Standard
Material	Aluminum, anodized
Color	Natural
Length min (L min)	110 mm
Length max (L max)	6000 mm
Profile surface (A)	25.8 cm <sup>2</sup>
Mass (m)	7 kg/m
Area moment of inertia $I_x$	214.2 cm <sup>4</sup>
Moment of resistance $W_x$	47.6 cm <sup>3</sup>
Area moment of inertia $I_y$	90.5 cm <sup>4</sup>
Moment of resistance $W_y$	30.2 cm <sup>3</sup>
Torsional moment of inertia ( $I_t$ )	45.8 cm <sup>4</sup>
Moment of torsion resistance ( $W_t$ )	18 cm <sup>3</sup>
Packaging unit	1
Profile machining	D17: slots B/F, C/E - D17V: slots A/D
Recommended accessories	Cover cap 60x90 black/signal gray, cover cap with hole 60x90 black/signal gray