

Laufwagenprofil LF6S, Aluminium eloxiert, 150-3000 mm, Zuschnittlänge - Bosch Rexroth 3842993061

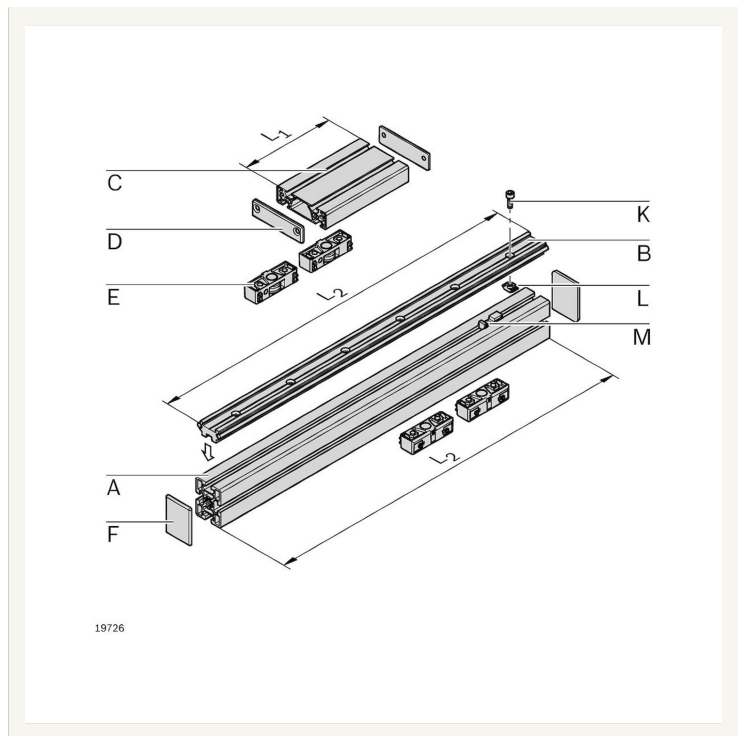
Item no. BRR-3842993061

Manufacturer Bosch Rexroth

Aluminum carriage profile for the LF6S roller guide system, supplied cut-to-length from 150 mm to 3000 mm. The anodized profile features slot size 8 and a high bending stiffness ($I_z = 74.66 \text{ cm}^4$), making it the core linear guide element for assembly and handling applications.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
Weight	0.1 kg
Zolltarifnummer	76109090



DESCRIPTION

The LF6S carriage profile is the structural guide rail of the Bosch Rexroth LF6S roller guide and is supplied as a precision cut-to-length section. It is designed for linear motion guidance in assembly, conveying and handling systems where accurate path control and structural rigidity are required.

- Cut-to-length supply: available from 150 mm to 3000 mm, minimizing material waste and simplifying system design.
- High torsional and bending stiffness: area moment of inertia $I_z = 74.66 \text{ cm}^4$ (z-direction), $I_y = 5.89 \text{ cm}^4$ (y-direction).
- System-compatible profile slot 8 for direct integration of Bosch Rexroth standard elements and fastening components.
- Anodized aluminum construction: corrosion-resistant, lightweight, and suitable for industrial and cleanroom environments.

TECHNICAL DATA

Property	Value
Condition on delivery	Variable length (cut-to-length pricing)
Length L1 min	150 mm
Length L1 max	3000 mm
Profile slot	8

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Property	Value
Mass m	2.2 kg/m
Profile surface A	814 mm ²
Area moment of inertia I _z	74.66 cm ⁴
Area moment of inertia I _y	5.89 cm ⁴
Material	Aluminum, anodized