

Führungsprofil LF12S, 1000 mm, Nut 10, Aluminium eloxiert - Bosch Rexroth 3842992438-1000

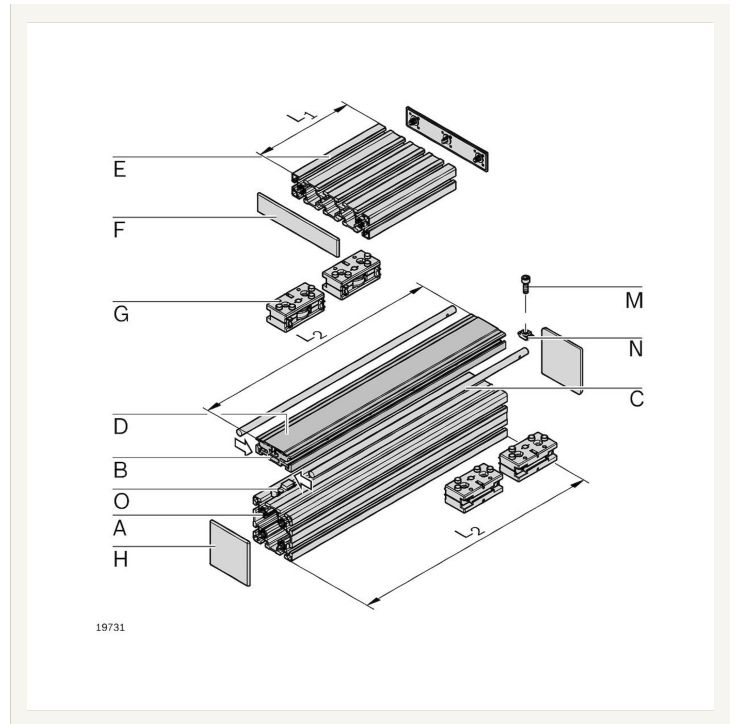
Item no. BRR-3842992438-1000

Manufacturer Bosch Rexroth

Anodized aluminum guide profile of the LF12S roller guide series with 10 mm slot, available in variable lengths from 180 mm to 6070 mm. The profile serves as the load-bearing rail for roller carriage units in linear assembly and transfer systems. Area moment of inertia I_z 76.4 cm⁴ and profile surface 1290 cm² provide high rigidity at low weight.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
Weight	0.0099 kg
Zolltarifnummer	76109090



STANDARDS & COMPLIANCE

DIN 7984

DESCRIPTION

The LF12S guide profile (part no. 3842992438) is the structural base element of the Bosch Rexroth LF12S roller guide system. The extruded, anodized aluminum profile is supplied cut to the required length between 180 mm and 6070 mm and acts as the running track for roller carriage units in linear assembly and transfer systems.

- Variable length from 180 mm to 6070 mm - cut to exact system requirement
- 10 mm profile slot accepts T-nuts and sliding blocks directly, without secondary machining
- Anodized aluminum construction - corrosion-resistant, lightweight and dimensionally stable
- Area moment of inertia I_z 76.4 cm⁴ - high bending stiffness in the load direction
- Mass 3.5 kg/m - favorable stiffness-to-weight ratio for dynamic applications

TECHNICAL DATA

Parameter	Value
Series	LF12S
Length min [L2 min]	180 mm
Length max [L2 max]	6070 mm

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Parameter	Value
Profile slot	10 mm
Profile surface [A]	1290 cm ²
Area moment of inertia [I _y]	9.6 cm ⁴
Area moment of inertia [I _z]	76.4 cm ⁴
Mass [m]	3.5 kg/m
Material	Aluminum, anodized
Delivery unit	1 piece
Condition on delivery	Variable length
Required accessories	Cylinder bolt DIN 7984 M8x30, T-nut M8 10 mm slot (3 842 530 287), sliding block, cover profile, guide rod