

Führungsprofil LF12S, 6 x 6070 mm, Aluminium eloxiert - Bosch Rexroth 3842557945

Item no. BRR-3842557945

Manufacturer Bosch Rexroth

Anodized aluminum guide profile from the LF12S roller guide series, 6070 mm length, 10 mm profile slot. Supplied as a packaging unit of 6 pieces at 3.5 kg each. Requires cylinder bolt DIN 7984 M8x30 and matching sliding block for installation.

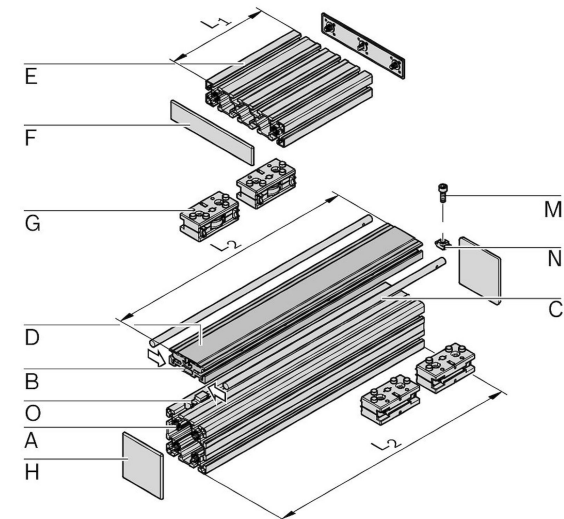
TECHNICAL DATA

Country of Manufacture **Germany**

Length **6070 mm**

Weight **145.7 kg**

Zolltarifnummer **76042100**



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STANDARDS & COMPLIANCE

DIN 7984

DESCRIPTION

The LF12S guide profile is the structural backbone of linear roller guide assemblies in assembly and handling technology. At 6070 mm length with a profile surface of 1290 mm² and an area moment of inertia in the z-direction of 76.4 cm⁴, it delivers the bending stiffness required for precise, load-bearing linear motion. The anodized aluminum surface provides lasting corrosion resistance in industrial environments.

- High bending stiffness in the primary load direction: area moment of inertia $I_z = 76.4 \text{ cm}^4$
- Anodized aluminum surface for corrosion resistance and low-wear operation
- 10 mm profile slot for direct integration into Bosch Rexroth aluminum profile systems
- Packaging unit of 6 pieces in standard length - efficient for larger assemblies

TECHNICAL DATA

Parameter	Value
Length [L]	6070 mm
Profile slot	10 mm
Profile surface [A]	1290 mm ²

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Parameter	Value
Area moment of inertia I _y	9.6 cm ⁴
Area moment of inertia I _z	76.4 cm ⁴
Mass per piece [m]	3.5 kg
Material	Aluminum, anodized
Condition on delivery	Packaging unit in standard length
Delivery unit	6 pieces
Weight (packaging unit)	145.7 kg
Required accessories	Cylinder bolt DIN 7984 M8x30, T-nut M8 10 mm slot (3842530287), sliding block, cover profile, guide rod