

# Führungsprofil LF6S, variabel 150-3000 mm, Aluminium eloxiert - Bosch Rexroth 3842993966-1000

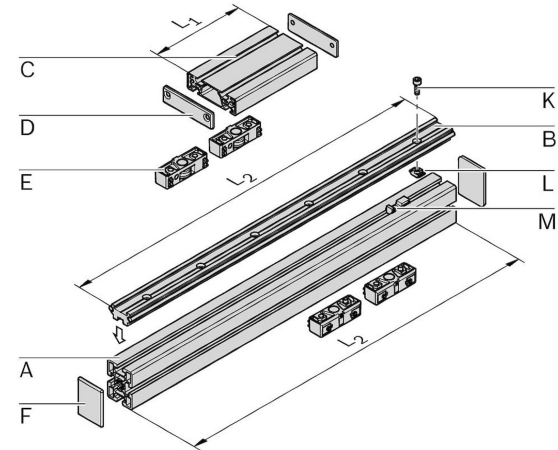
Item no. BRR-3842993966-1000

Manufacturer Bosch Rexroth

Aluminum guide profile for the LF6S roller guide system, with a 10 mm profile slot and variable cut-to-length delivery from 150 to 3000 mm. The induction-hardened, polished stainless steel solid shaft delivers precise, low-maintenance linear travel in assembly line applications. Cylinder screw DIN 7984 M6x20 and T-nut M6 (10 mm slot) are required for installation.

## TECHNICAL DATA

|                        |           |
|------------------------|-----------|
| Ausführungsklasse      | TEC       |
| Country of Manufacture | Germany   |
| Weight                 | 0.0099 kg |
| Zolltarifnummer        | 76042100  |



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## STANDARDS & COMPLIANCE

DIN 7984

## DESCRIPTION

The LF6S guide profile is the structural foundation of the Bosch Rexroth LF6S roller guide system. Available in variable lengths from 150 to 3000 mm, it can be cut to the exact dimension required and integrates directly into Bosch Rexroth assembly systems via the 10 mm profile slot.

- Variable length 150-3000 mm for flexible track layout with minimal waste
- Anodized aluminum profile - corrosion resistant and lightweight (mass 1.6 kg/m, profile surface 405 cm<sup>2</sup>)
- Stainless steel (VA) solid shaft, induction hardened and polished - high running accuracy and wear resistance
- 10 mm profile slot for direct integration with standard T-nuts and system accessories
- Area moment of inertia  $I_y$  1.16 cm<sup>4</sup> /  $I_z$  5.88 cm<sup>4</sup> - adequate stiffness for typical assembly applications

## TECHNICAL DATA

| Property             | Value  |
|----------------------|--------|
| Length min. [L2 min] | 150 mm |

| Property                                 | Value                                                                           |
|------------------------------------------|---------------------------------------------------------------------------------|
| Length max. [L2 max]                     | 3000 mm                                                                         |
| Condition on delivery                    | Variable length                                                                 |
| Profile slot                             | 10 mm                                                                           |
| Packaging unit                           | 1 piece                                                                         |
| Mass [m]                                 | 1.6 kg/m                                                                        |
| Profile surface [A]                      | 405 cm <sup>2</sup>                                                             |
| Area moment of inertia [I <sub>y</sub> ] | 1.16 cm <sup>4</sup>                                                            |
| Area moment of inertia [I <sub>z</sub> ] | 5.88 cm <sup>4</sup>                                                            |
| Guide profile material                   | Aluminum, anodized                                                              |
| Solid shaft material                     | Stainless steel (VA), induction hardened, polished                              |
| Required accessories                     | Cylinder screw DIN 7984 M6x20 / T-nut M6, 10 mm slot (3 842 530 285)            |
| Delivery note                            | Guide rods not greased; grease according to assembly instructions 3 842 527 226 |