

# Führungsprofil LF20S, 6070 mm, Nut 10, 4,3 kg - Bosch Rexroth 3842557958

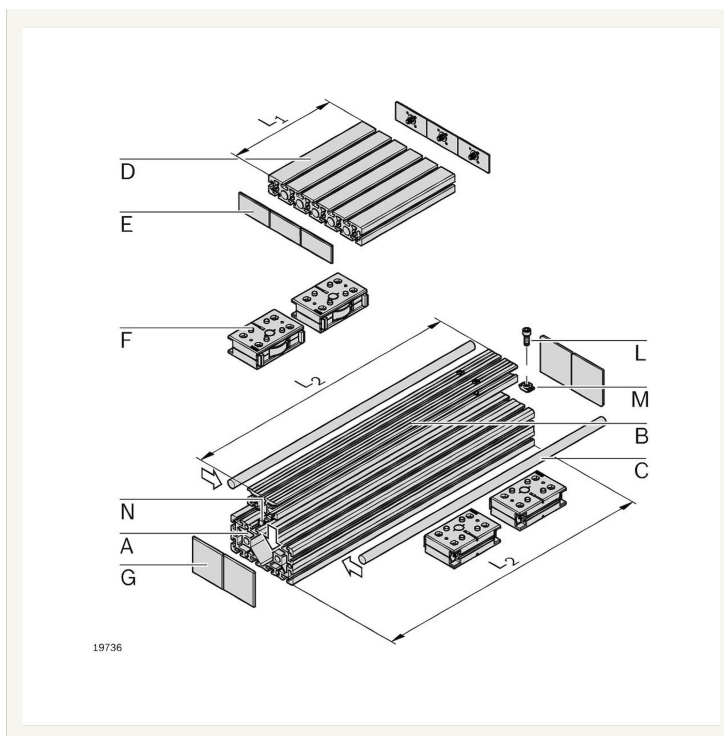
Item no. BRR-3842557958

Manufacturer Bosch Rexroth

Aluminium guide profile for the LF20S roller rail guidance system, designed for assembly and handling automation. The 6070 mm profile with slot 10 is supplied in packaging units of 5 (delivery unit 6) and requires cylinder bolts DIN 7984 M8x45 for installation. Area moments of inertia of 103.2 cm<sup>4</sup> (z) and 29.4 cm<sup>4</sup> (y) deliver the bending stiffness needed for precise linear guidance.

## TECHNICAL DATA

|                        |          |
|------------------------|----------|
| Country of Manufacture | Germany  |
| Length                 | 6070 mm  |
| Weight                 | 144.7 kg |
| Zolltarifnummer        | 76042100 |



## STANDARDS & COMPLIANCE

DIN 7984

## DESCRIPTION

The LF20S guide profile at 6070 mm is a load-bearing structural element of the Bosch Rexroth LF20S roller rail guidance system. Its profile surface of 1593 mm<sup>2</sup> combined with high area moments of inertia provides the rigidity required in assembly and handling automation. Installation requires cylinder bolts DIN 7984 M8x45 together with T-nuts M8 (10 mm slot) and sliding blocks.

- High bending stiffness: area moment of inertia  $I_z = 103.2 \text{ cm}^4$ ,  $I_y = 29.4 \text{ cm}^4$
- 6070 mm length covers long travel distances without intermediate joints
- Slot 10 for fully compatible slot-10 connection technology across the LF20S system
- Supplied as packaging unit in standard length (PU 5, DU 6) - ready for direct stock use

## TECHNICAL DATA

| Property                     | Value                |
|------------------------------|----------------------|
| Length [L]                   | 6070 mm              |
| Profile surface [A]          | 1593 mm <sup>2</sup> |
| Area moment of inertia $I_y$ | 29.4 cm <sup>4</sup> |

| Property                  | Value                                                            |
|---------------------------|------------------------------------------------------------------|
| Area moment of inertia Iz | 103.2 cm <sup>4</sup>                                            |
| Mass per profile [m]      | 4.3 kg                                                           |
| Profile slot              | 10                                                               |
| Condition on delivery     | Packaging unit in standard length                                |
| Delivery unit             | 6                                                                |
| Packaging unit            | 5                                                                |
| Required accessories      | Cylinder bolt DIN 7984 M8x45, T-nut M8 10 mm slot, Sliding block |
| Weight (packaging unit)   | 144.7 kg                                                         |