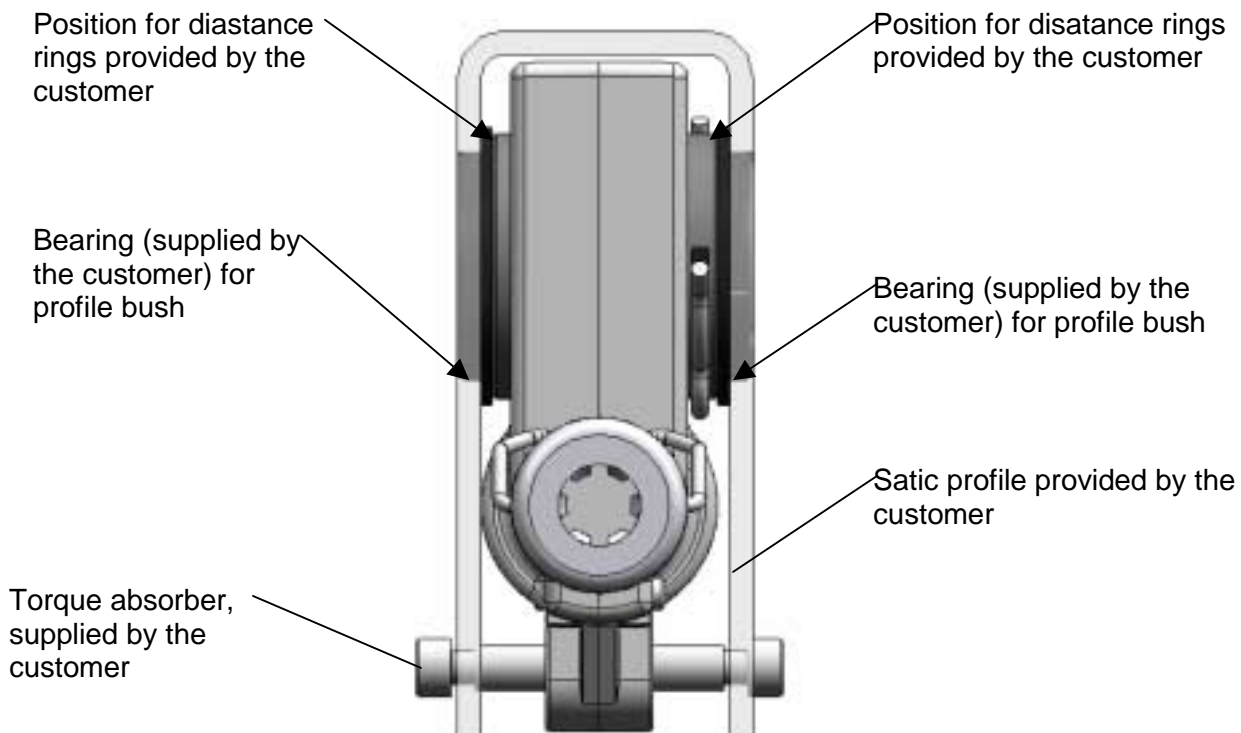
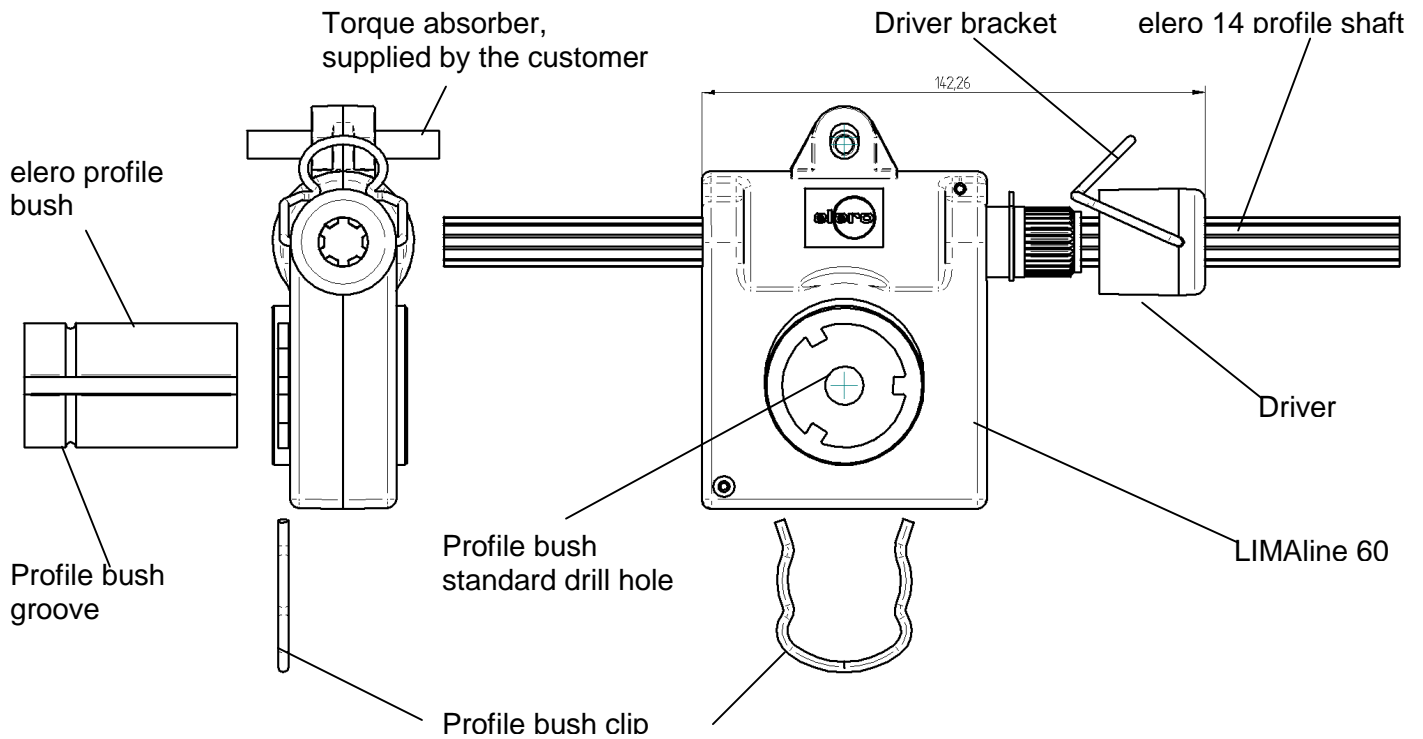


LIMAline 60

Mounting and setting instructions



Designation: Single parts / Modules



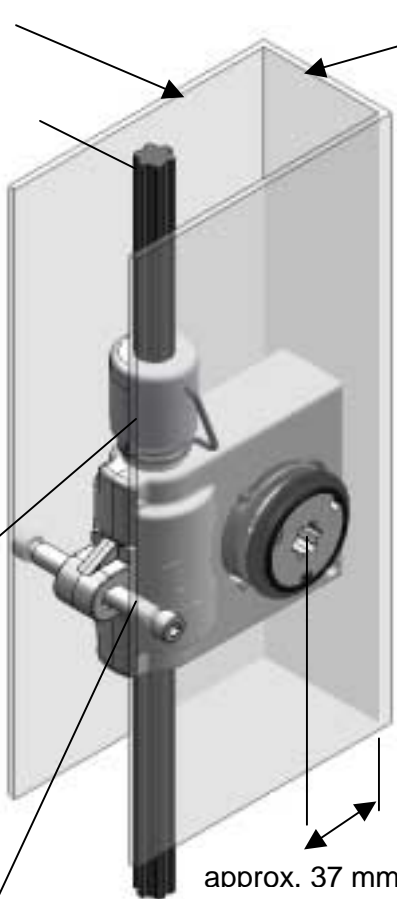
Installation in static profile provided by the customer

Mounting dimensions: Min. 44 mm x 125 mm clear inside dimensions for mounting in static profile supplied by the customer. The bearing for the slat is not located in the centre of the static profile (middle of 125 mm), but at about 37 mm from the inside surface of the static profile.

Dimensional setup for clear inside width 44 mm:

Dimension 44mm = (38mm + 2x axial bearing with 2mm collars + 1x distance ring 1.5mm + clearance of 0.5mm)

Note: Mounting dimensions with the elero drive motor min. 55 mm x 125 mm.



Elero 14 profil shaft (continuous):
For the transmission of the full driving torque $M_{(PW)}$ into all the interconnected drives.
Note:
It must be possible to push the profile shaft all the drivers without jamming during the assembly of a drive interconnection.

Driver:
The drivers transmit the driving torque $M_{(PW)}$.
By disconnecting the individual Drivers it is possible at any time To readjust or finely set the slat shafts. The different longitudinal expansions due to the different materials of the static profile and the profile shaft have no effect on the slat position and are automatically for.

Torque absorber supplied by the customer:
Supports the torque $M_{(PH)}$ The static profile provide by the customer is also stiffened by the torque absorber.

Bearing (supplied by the customer) for profile bush:
The radial and axial bearing of the profile bush is provided by two flange sleeves (e.g. Igus, inside dia. 35). The flange sleeves are mounted such that the sleeve is in contact with the inner wall of the static profile.
The profile bush must be supported in the static profile at both ends.
The robust bearing points can absorb all the wind loads, slat weights and pushing forces.
Therefore, the LIMAline 60 is only affected by the output torque $M_{(PS)}$.
Note:
The radial clearance between profile bush and bearing should be a min. of about 0.025 mm and a max. of about 0.1 mm. The bearing points must never lead ti pinching or jamming of the profile bush.

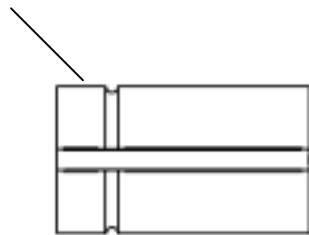
elero profile bsuh:
the torque $M_{(PS)}$ can be transmitted to slat shafts on both sides due to the adapted form of the standard 10.9 mm hole.

Mounting and setting

The mounting and commissioning may only be carried out by trained personnel from the installation company.

Mounting of the elero profile bush:

The standard profile bush has a hole of 10.9 mm dia. For the form-adapted connection of the slat shafts on both sides it is possible to obtain designs with profiled or key holes. When a drive interconnection is mounted, all the profile bushes must have the same angular position. In this way the subsequent fine settings, as described below, can be significantly reduced.

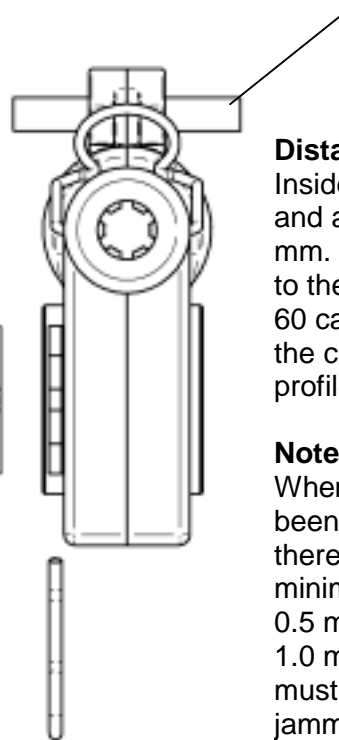


Mounting of the elero profile bush:

The profile bush is against axial movement by the profile bush clip in the LIMAline 60. Once the profile bush clip has been pulled out the profile bush can be removed. To lock the profile bush again the groove in the profile bush and the profile bush clip must both be in the same plane.

Torque absorber supplied by the customer:

The length is selected according to the clear inside width of the static profile. Outside diameter of the bright-drawn torque absorber 8_{h11} mm



Distance rings:

Inside diameter of 35.1 + 0.2 mm and an outside diameter of 45 mm. By positioning distance rings to the right and the left LIMAline 60 can be individually adapted to the clear inside width of the static profile.

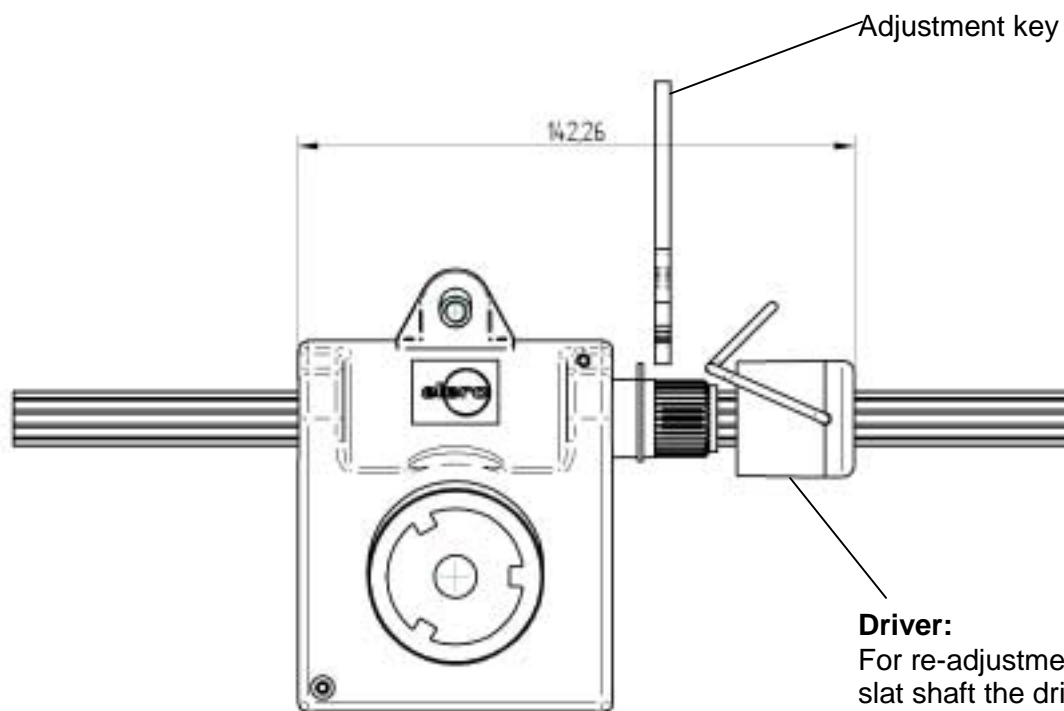
Note:

When all the components have been mounted in the static profile there should still always be a minimum axial clearance of about 0.5 mm and a maximum of about 1.0 mm. The axial bearing points must never lead to pinching or jamming of the profile bush.

Note:

- The permitted torques (see Dimension sheet / technical data) must not be exceeded.
- In none of the slat positions may the slats with the LIMAline 60 be driven against a seal or a limit stop.
- The slats must always be free to turn in every position.
- It is essential to set up a model system with your slats and our drive system.
- You can find further important information and advice in the attached instructions: System Requirements / Applications / Checklist.
- Accessibility must be ensured for setting the end positions, commissioning the drive system and the inspection openings for maintenance.

Re-adjustment and fine setting



Adjustment key

Driver:

For re-adjustment and fine setting of the slat shaft the driver clip is turned outwards. Then the driver can be slid approx. 20 mm along the profile shaft. The slat shaft can now be re-adjusted by turning with the adjustment key.

Safety instructions

- Structural changes must not be made to the drive system. If this rule is not observed the manufacturer will not accept any liability.
- The DIN / EN accident prevention regulations must be observed.

Maintenance / Inspection

To be carried out exclusively by elero or personnel trained by elero.

Note:

Accessibility must be ensured for setting the end positions, commissioning the drive system and the inspection openings for maintenance.