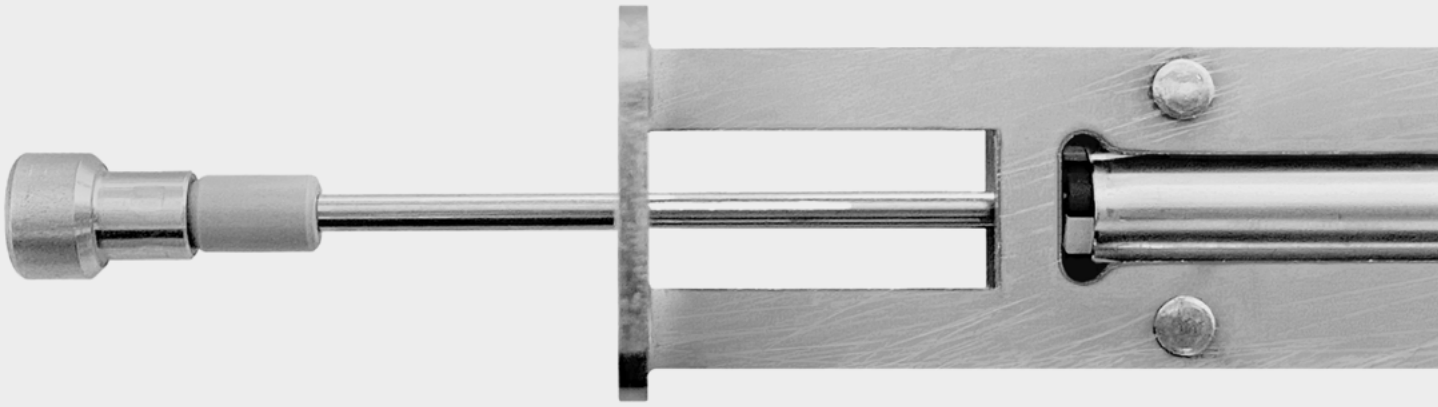
ironlev



Soft Close

Magnetic damping system

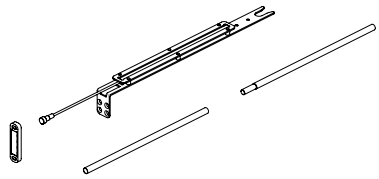
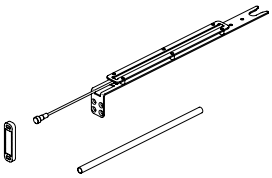
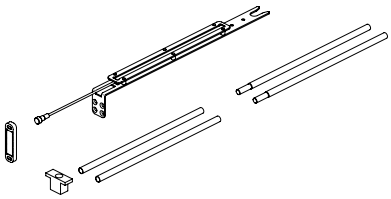
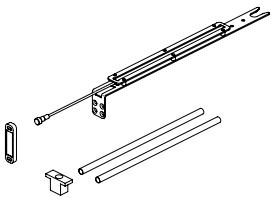
The system, combined with magnetic sliding technology, minimizes opening and closing effort. The door movement is slowed during its final travel and gently brought to a stop thanks to an innovative magnetic traction system without mechanical elements, setting a new standard of damping for sliding and lifting systems.

Slim **Soft Close**

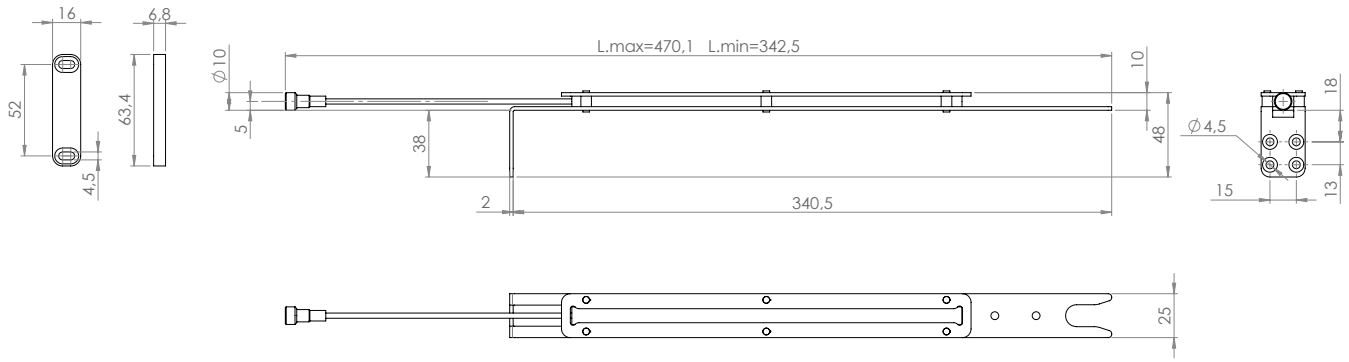
FEATURES

- Damping stroke: 140mm
- Magnetic traction force: 3kg
- Single or double rail configuration with spacer block
- Multiple damping levels based on door weight:
  Light – door weight 0-300kg
  Heavy – door weight 300-600kg
  Extreme – door weight 600-1000kg
- Mounting options with machined rail end or with self-machined rail
- Fixed rearming magnet
- Tested for 100.000 cycles
- Stainless steel elements for maximum resistance to oxidation

CONFIGURATIONS

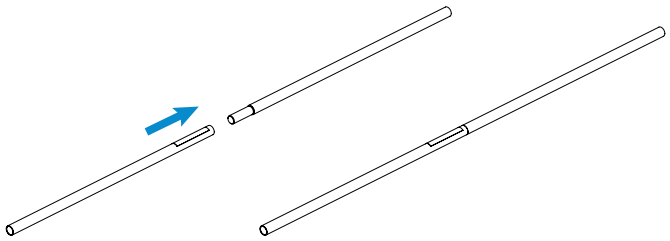
PRODUCT	DESCRIPTION	CODE	PACK QTY
	Slim Soft Close Single rail with machined rail end		
	Light	101038	1 pc
	Heavy	101039	1 pc
	Extreme	101040	1 pc
	Slim Soft Close Single rail without machined rail end		
	Light	101041	1 pc
	Heavy	101042	1 pc
	Extreme	101043	1 pc
	Slim Soft Close Double rail with machined rail end		
	Light	101044	1 pc
	Heavy	101045	1 pc
	Extreme	101046	1 pc
	Slim Soft Close Double rail without machined rail end		
	Light	101047	1 pc
	Heavy	101048	1 pc
	Extreme	101049	1 pc

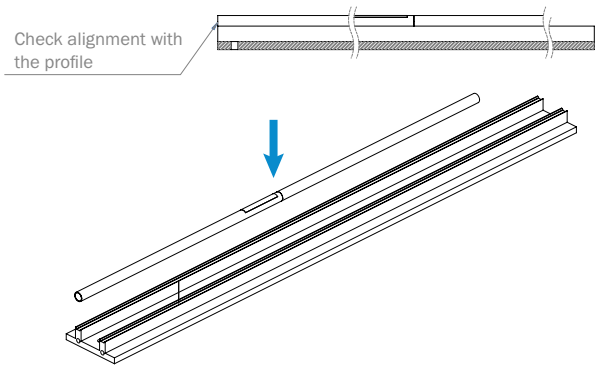
DIMENSIONS AND OVERALL DIMENSIONS



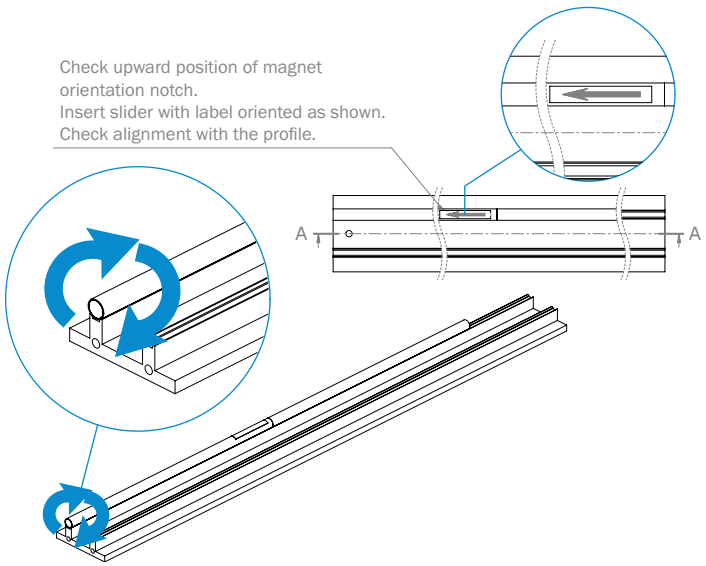
ASSEMBLY INSTRUCTIONS

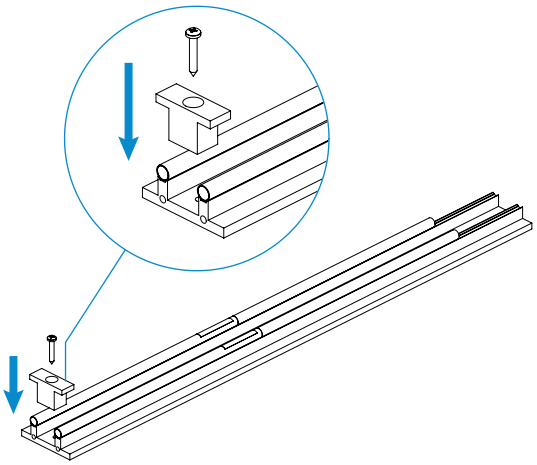
1 Press-fit the magnetic traction element to the machined rail end or to the end of the rail (if properly machined). Apply the termination to the rail support at the end of the profile, at the stop point.



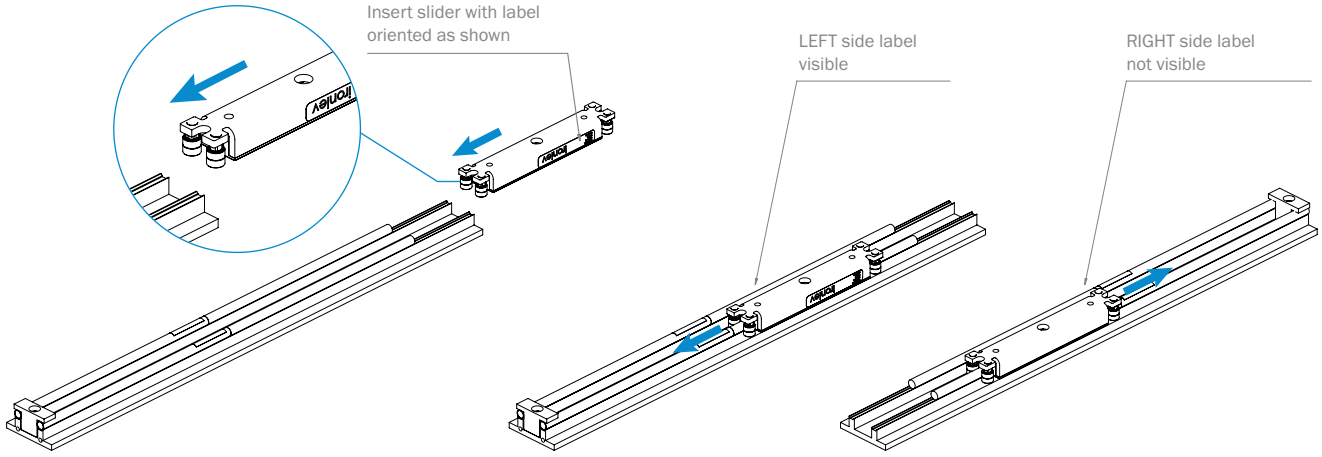


2 Before fixing the termination with double-sided adhesive, rotate and check the correct orientation. To verify correct orientation, ensure that the orientation notch is facing upward. For double rail, repeat the procedure for the second termination and install the spacer block.

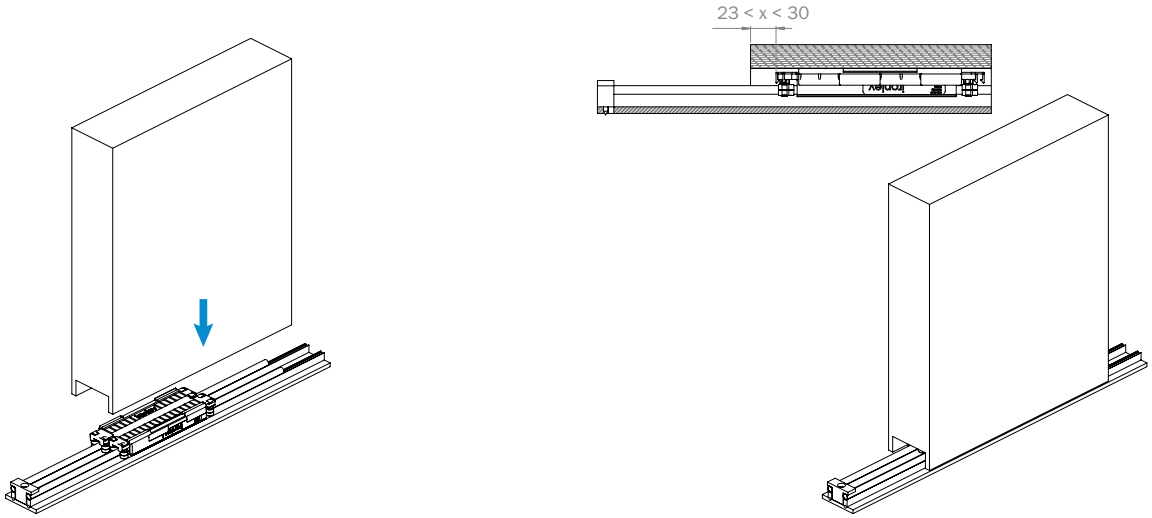




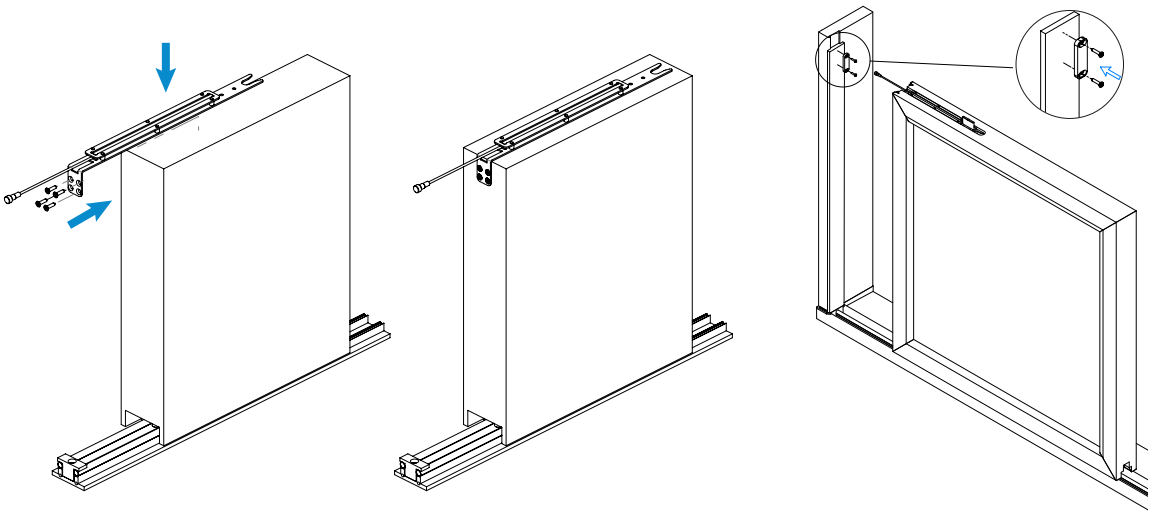
3 Insert the sliders into the rail, checking the orientation so that the label on the slider is positioned and aligned with the arrow on the label of the termination, as shown in the diagram. In case of a double module, repeat the procedure for the second slider, aligning the label of the second slider in the same way as the first one. Perform the same operation on the opposite side, making sure to install the sliders at the corresponding end with reversed orientation.



4 Place the door in position, ensuring that the distance between the edge of the door and the magnetic module is within the range of 20–30 mm.



5 Position the damper on the top part of the door and fix it using screws, then fix the rearming magnet at the impact point of the damper. Ensure that the magnet is placed on the upper side and does not interfere with the door.

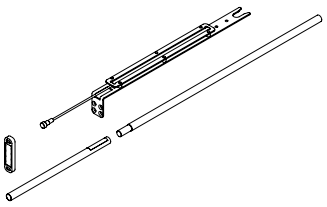
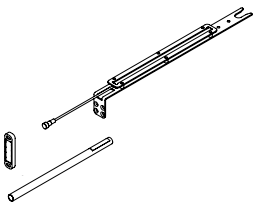
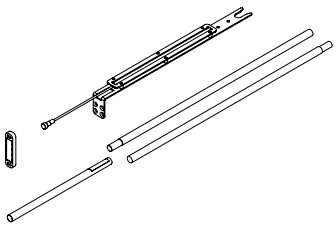
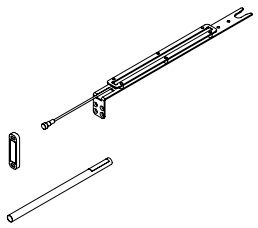


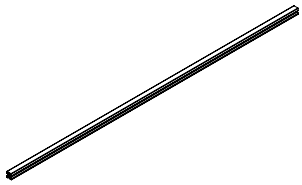
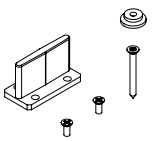
Medium **Soft Close**

FEATURES

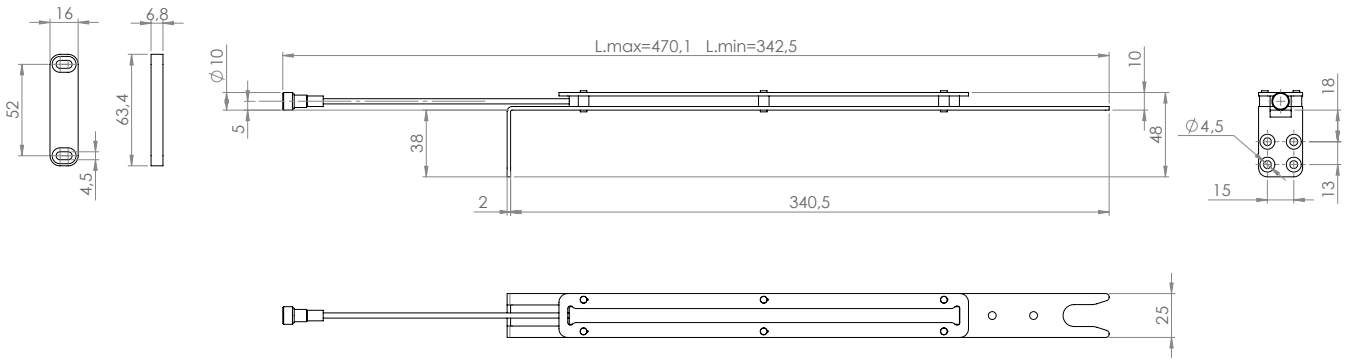
- Damping stroke: 140mm
- Magnetic traction force: 3kg
- Single sliding or Lift-and-Slide configuration
- Multiple damping levels based on door weight:
  Light – door weight 0-300kg
  Heavy – door weight 300-600kg
  Extreme – door weight 600-1000kg
- Mounting options with machined rail end or with self-machined rail
- Fixed rearming magnet or with movable element for lifting version
- Tested for 100.000 cycles
- Stainless steel elements for maximum resistance to oxidation

CONFIGURATIONS

PRODUCT	DESCRIPTION	CODE	PACK QTY
	Medium Soft Close sliding with machined rail end		
	Light	101316	1 pc
	Heavy	101317	1 pc
	Extreme	101318	1 pc
	Medium Soft Close sliding without machined rail end		
	Light	101340	1 pc
	Heavy	101341	1 pc
	Extreme	101342	1 pc
	Medium Soft Close lifting with machined rail end		
	Light	101319	1 pc
	Heavy	101320	1 pc
	Extreme	101321	1 pc
	Medium Soft Close lifting without machined rail end		
	Light	101343	1 pc
	Heavy	101344	1 pc
	Extreme	101345	1 pc

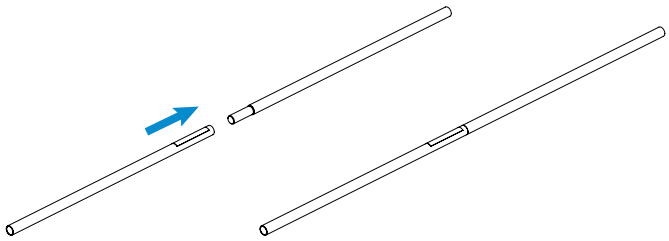
ACCESSORIES	DESCRIPTION	CODE	PACK QTY
	Upper rail profile 3m	101322	1 pc
	Upper rail element with fixing dowel	101323	1 pc

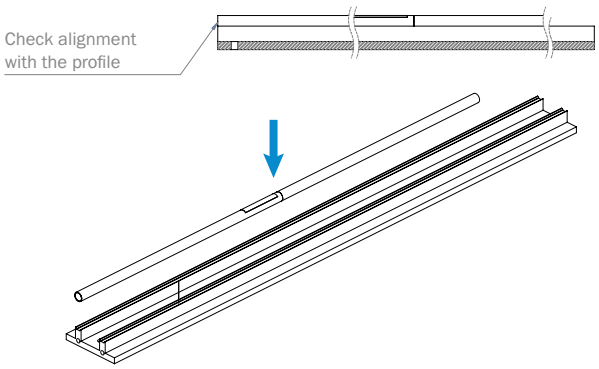
SLIDING VERSION
DIMENSIONS AND OVERALL DIMENSIONS



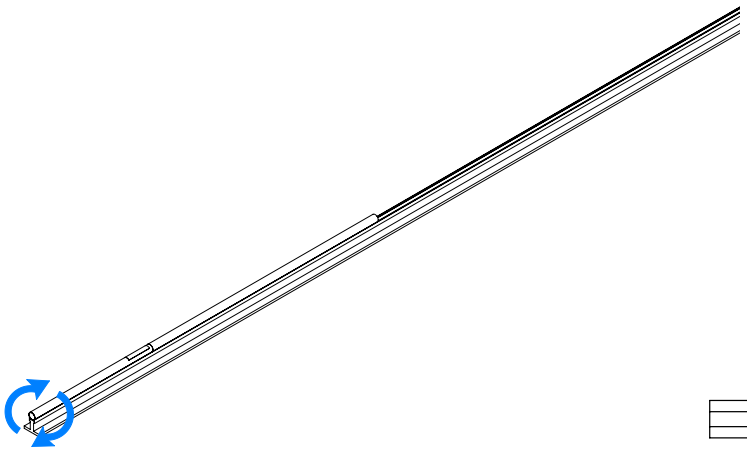
ASSEMBLY INSTRUCTIONS

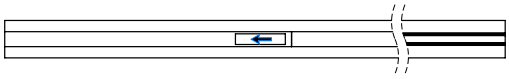
1 Press-fit the magnetic traction element to the machined rail end or to the end of the rail (if properly machined). Apply the machined rail end to the rail support at the end of the profile, at the stop point.



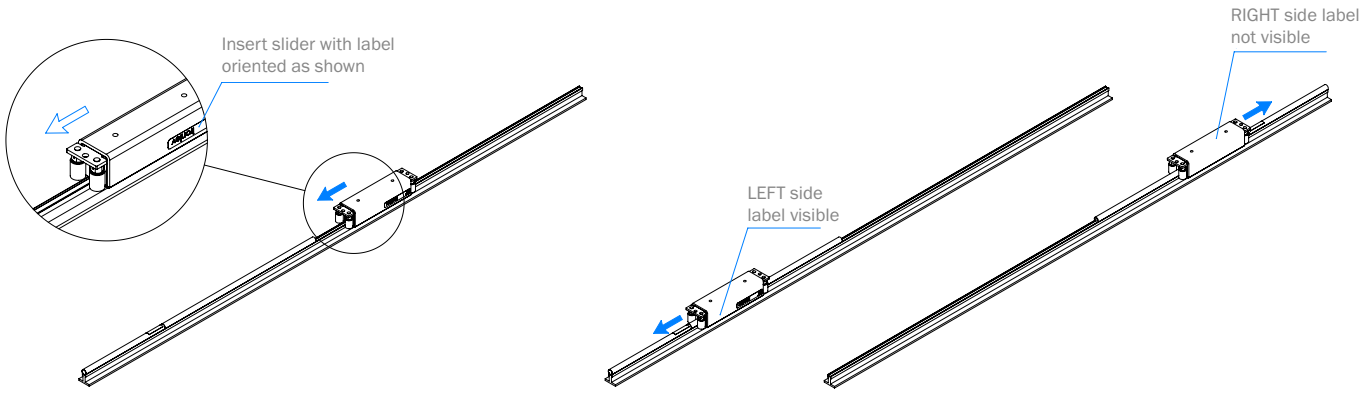


2 Before fixing the machined rail end with double-sided adhesive, rotate and check the correct orientation. To verify correct orientation, ensure that the orientation notch is facing upward.

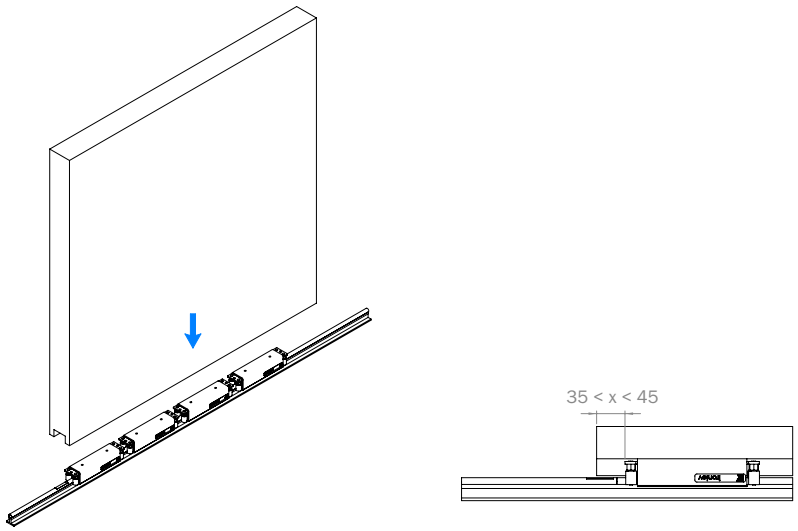




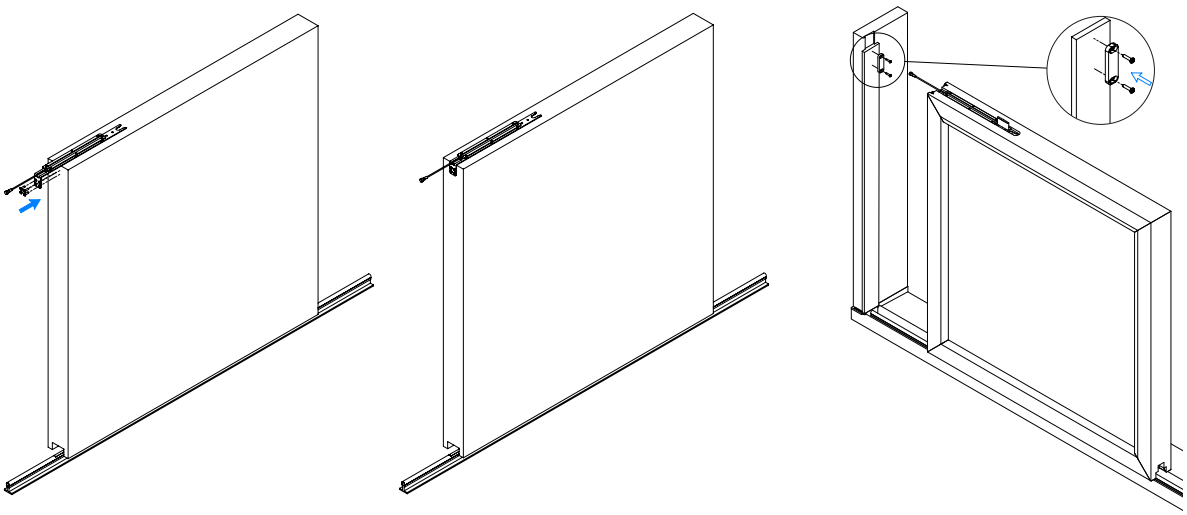
3 Insert the sliders into the rail, checking the orientation so that the label on the slider is positioned and aligned with the arrow on the label of the machined rail end, as shown in the diagram. Perform the same operation on the opposite side, making sure to install the sliders at the corresponding end with reversed orientation.



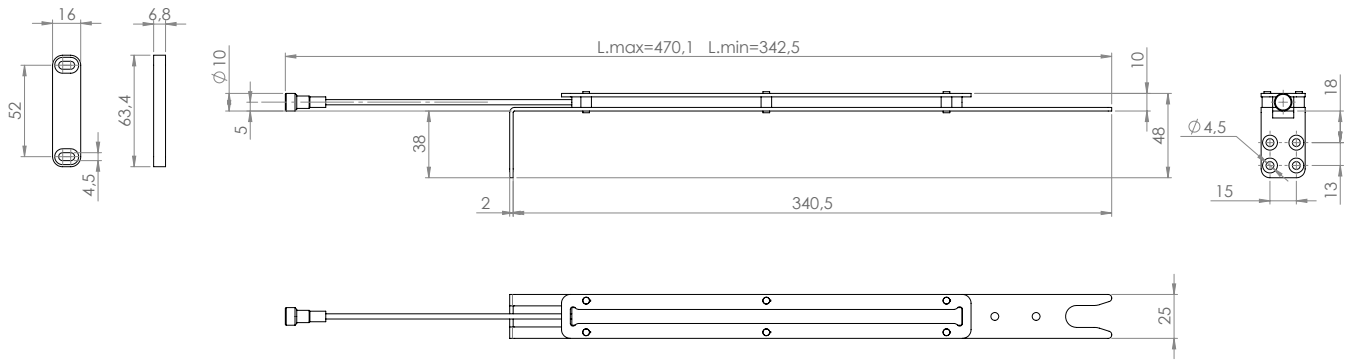
4 Place the door in position, ensuring that the distance between the edge of the door and the magnetic module is within the range of 35–45 mm.



5 Position the damper on the top part of the door and fix it using screws, then fix the rearming magnet at the impact point of the damper. Ensure that the magnet is placed on the upper side and does not interfere with the door.

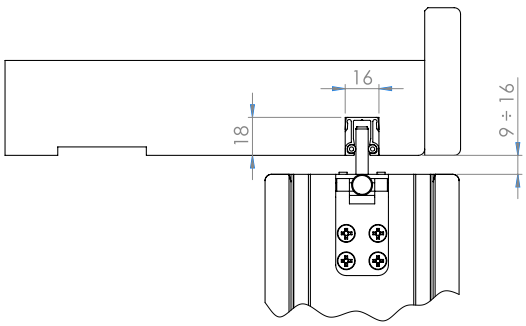


LIFTING VERSION
DIMENSIONS AND OVERALL DIMENSIONS

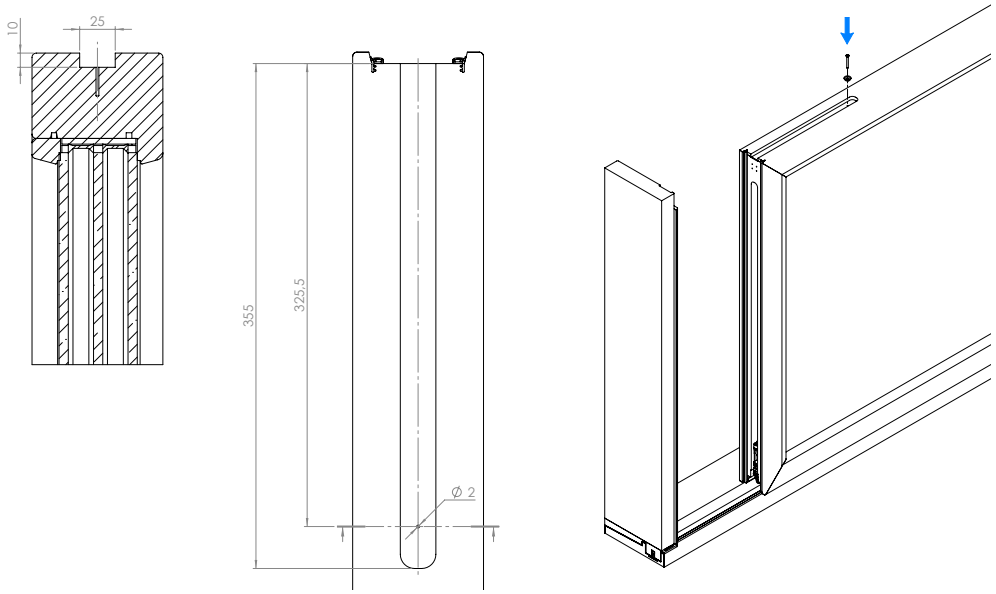


PREPARATION FOR ASSEMBLY

1 Mill the slot for the upper profile as per the drawing and install the profile either by pressure or by screws.

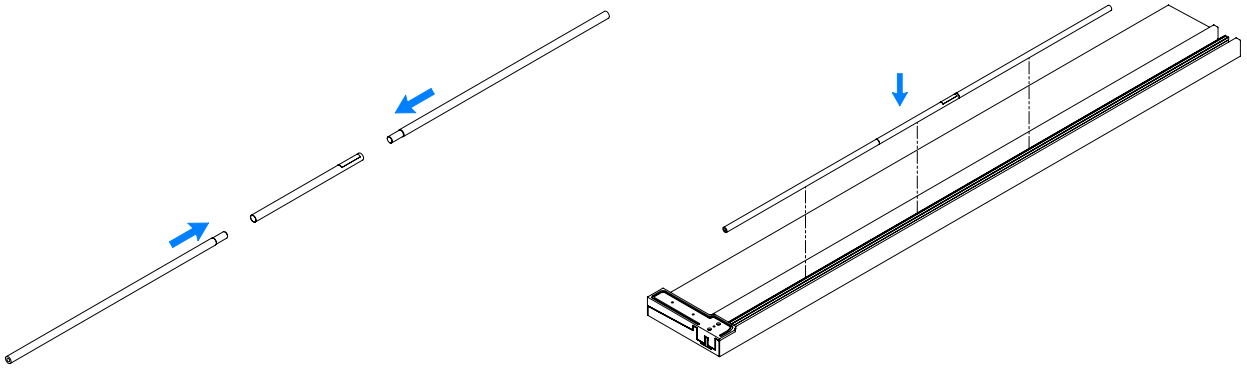


2 Mill the slot in the sash frame and fit the fixing dowel as per the drawing.

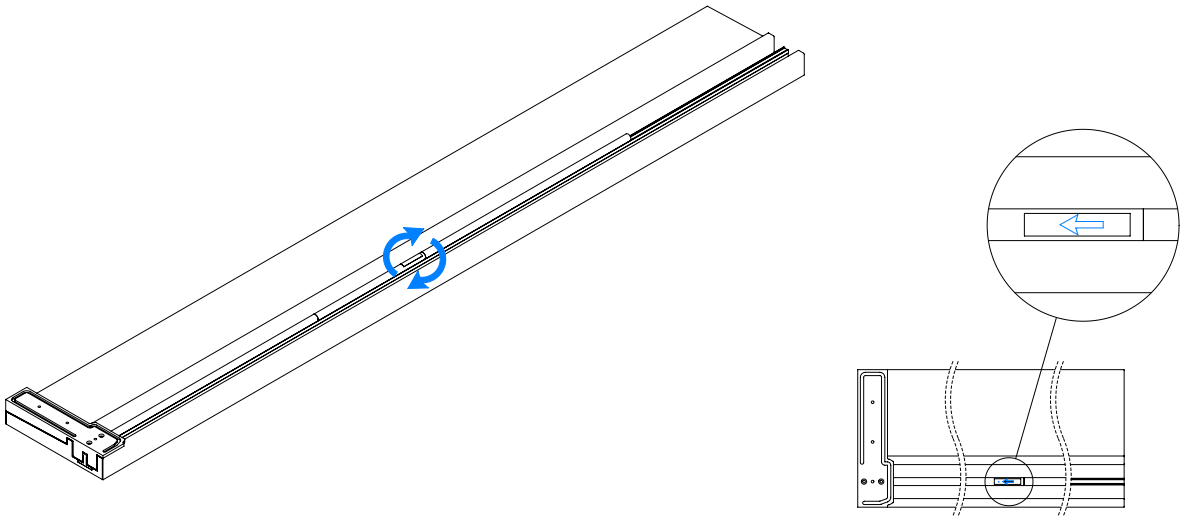


ASSEMBLY INSTRUCTIONS

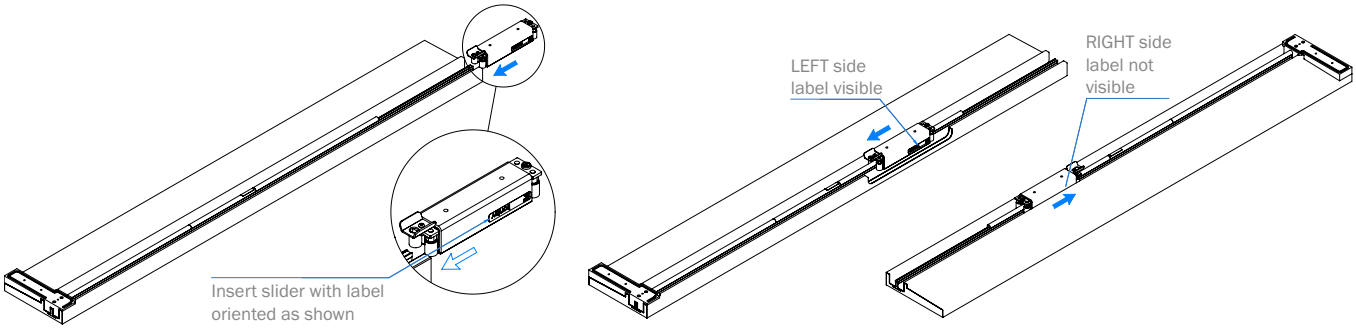
1 Press-fit the magnetic traction element externally to the first machined rail end and internally to the second machined rail end or to the end of the rail (if properly machined). Apply the machined rail end to the rail support at the end of the profile, at the stop point.



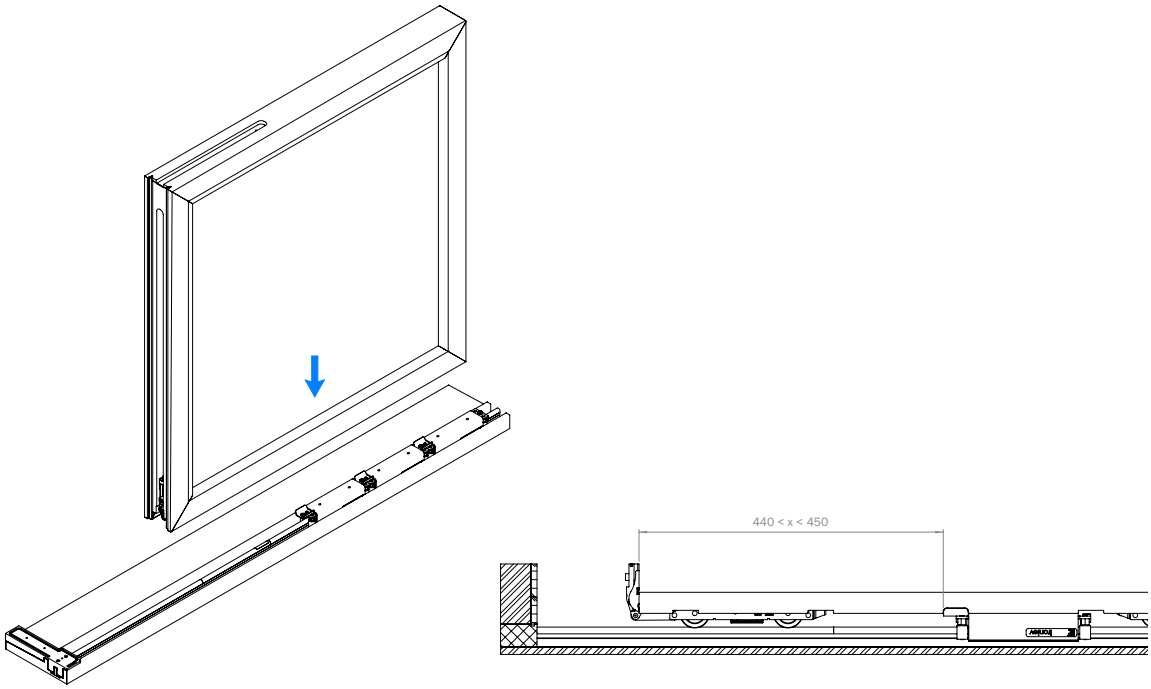
2 Before fixing the machined rail end with double-sided adhesive, rotate and check the correct orientation. To verify correct orientation, ensure that the orientation notch is facing upward.



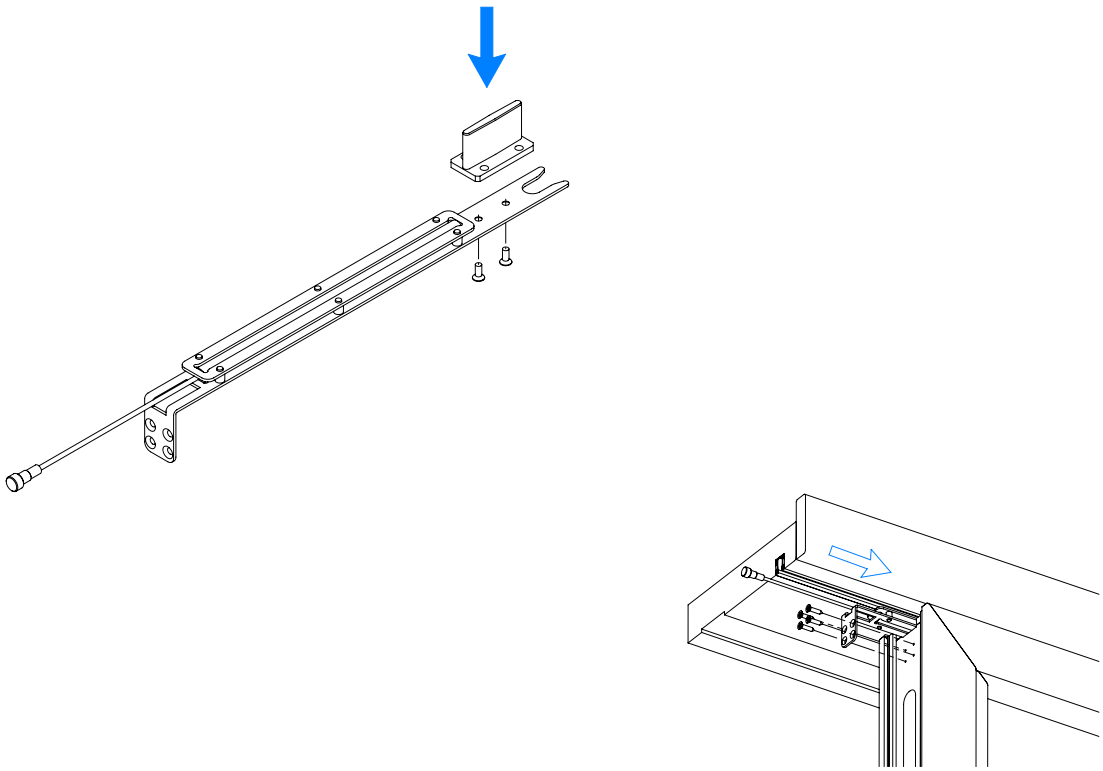
3 Insert the sliders into the rail, checking the orientation so that the label on the slider is positioned and aligned with the arrow on the label of the machined rail end, as shown in the drawing. Perform the same operation on the opposite side, making sure to install the sliders at the corresponding end with reversed orientation.



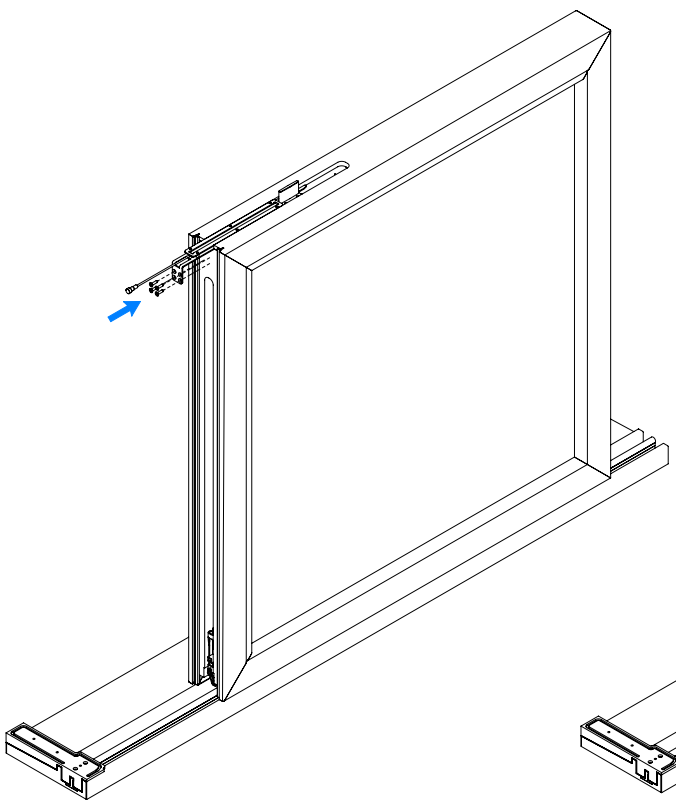
4 Apply the door, making sure that the distance between the edge of the door (at the hardware stop) and the magnetic module is within the range of 440-450 mm.

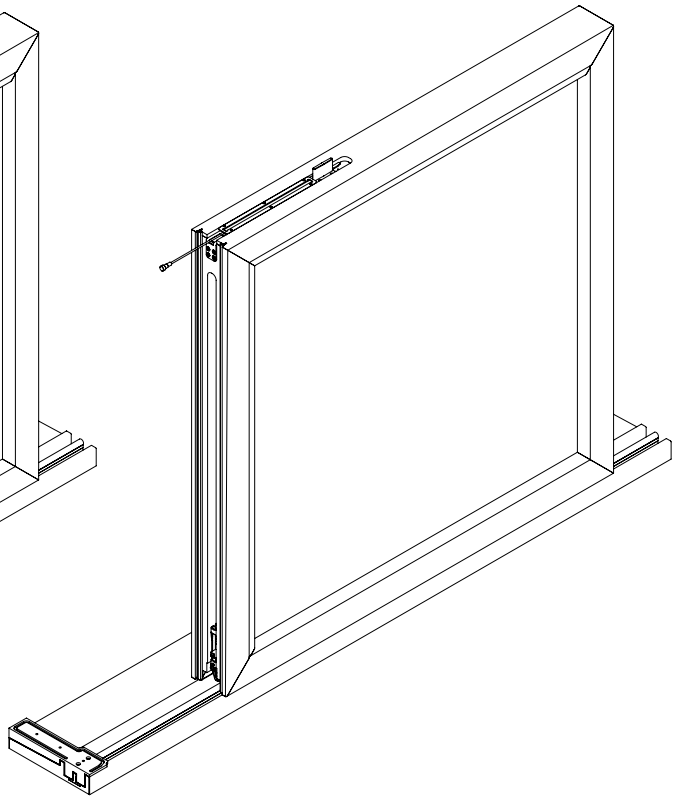


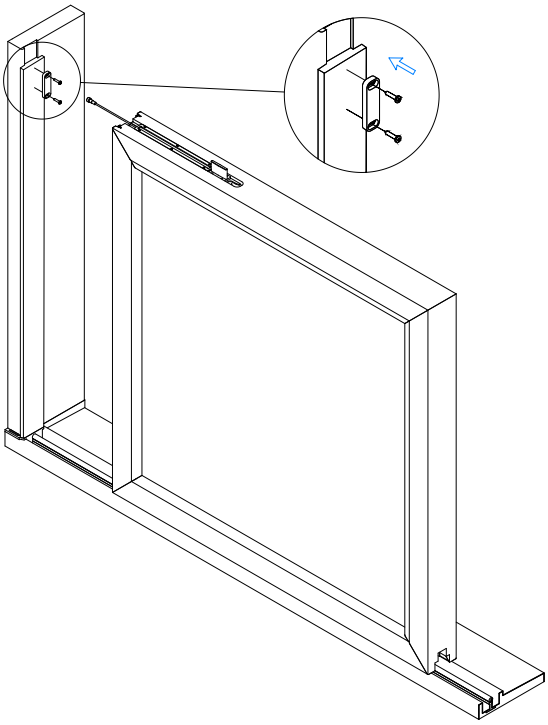
5 Connect the upper guide accessory to the damper using the supplied screws. Once the sash is inserted, slide the damper-and-guide assembly into the sash groove, ensuring it seats fully. Fix by screws.



6 Apply the damper to the upper part of the door, fix it using screws and fasten the rearming magnet at the impact point of the damper, in the appropriate groove machined as shown in the drawing.







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