

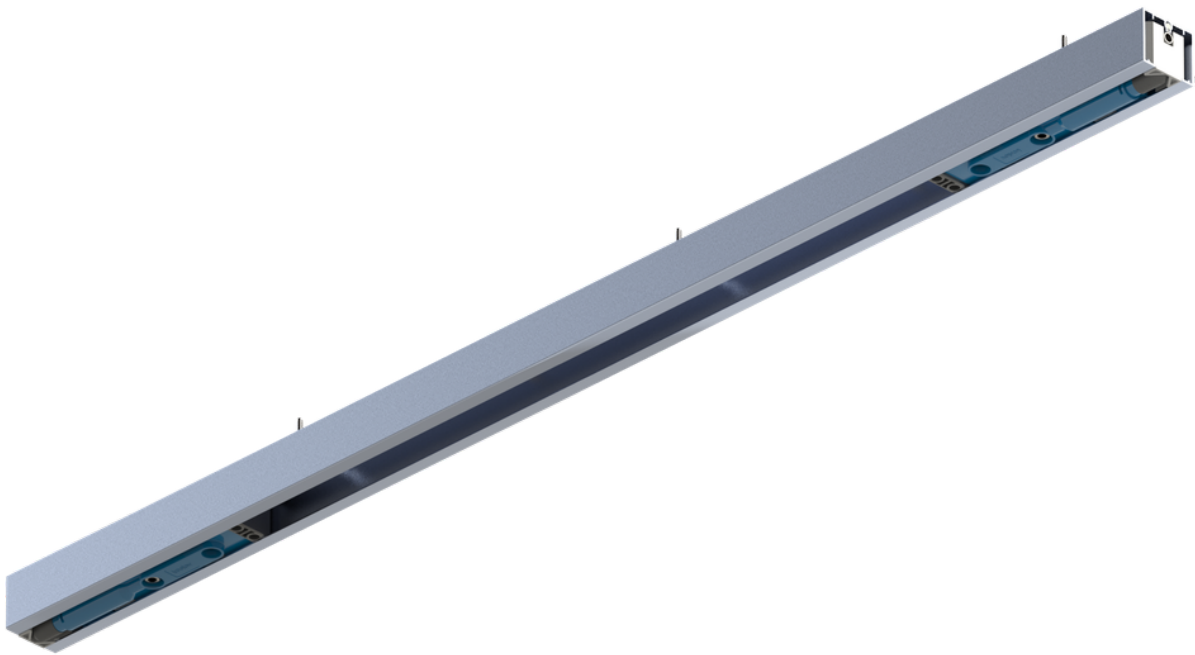
D-Way

Description

Ironlev D-Way system consists of a pair of Ironlev sliders integrated into a dedicated guide profile. The system is specifically designed for interior sliding door applications and is suitable for both ceiling and wall-mounted installations.

The system is available in two configurations:

- Pre-assembled D-Way
- D-Way Kit



Pre-assembled D-Way

Features

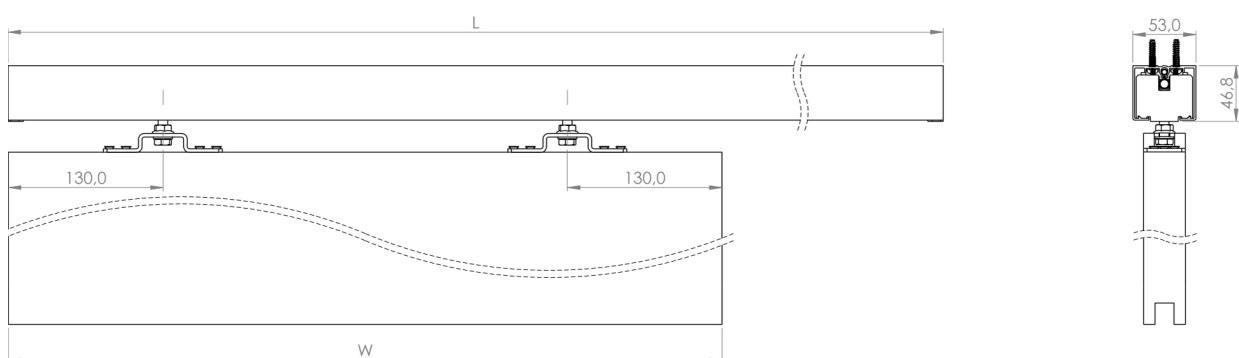
- Ironlev levitation sliding system
- Coated sliding profile for maximum silent movement
- Sliding force:
 - 50kg door: 0.5N
 - 100kg door: 3N
- Vertical adjustment of the door by means of M8 pins
- Magnetic soft closing
- Opening force: 10N
- Damping stroke: 50mm
- Maximum load capacity: 100kg
- Maximum door height: 3m
- Available door widths: from 600mm up to 1200mm, in 100mm intervals
- Fixing options: ceiling or wall mounted
- Lower special guide profile for maximum silent movement
- Tested according to UNI EN 1527 standard to 100.000 cycles



1. Ironlev D-Way sliding system
2. Sliding door
3. Connection bracket
4. Ironlev lower guide
5. Lower guide element

Technical data

Manufacturer	Ironlev One Srl
Product name	D-way
Trademark	Ironlev
Load capacity	100 kg
Overall dimensions (mm)	53x46,8

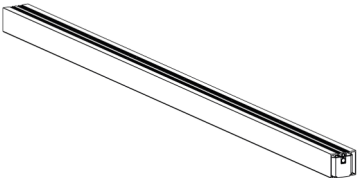
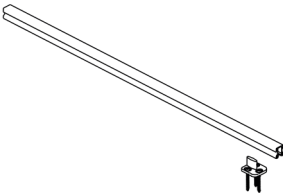
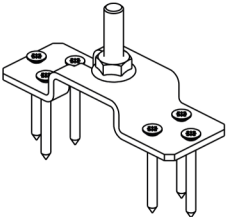


Code	W	L	Weight		Load Capacity		Max. height
	mm	mm	kg	lb	kg	lb	m
WD40000	600	1150	2,70	6	100	220,46	3
WD40100	700	1350	3	6,6	100	220,46	3
WD40200	800	1550	3,2	7,1	100	220,46	3
WD40300	900	1750	3,5	7,6	100	220,46	3
WD40400	1000	1950	3,7	8,2	100	220,46	3
WD40500	1100	2150	4	8,7	100	220,46	3
WD40600	1200	2350	4,2	9,3	100	220,46	3

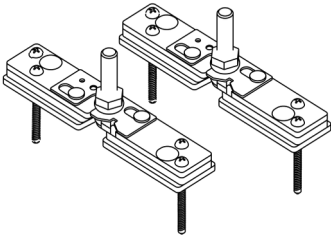
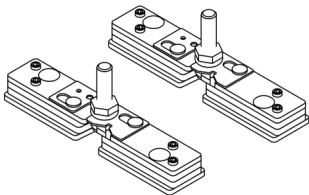
WARNING!

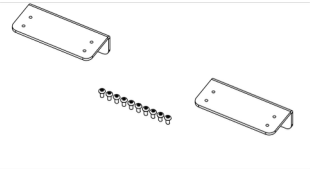
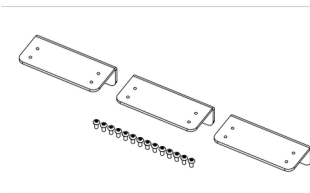
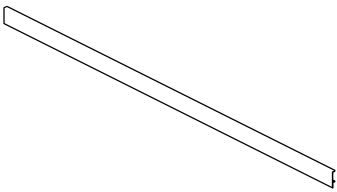
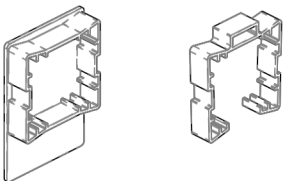
It is mandatory for the installer to respect the weight and size parameters of the doors. Do not exceed the maximum load capacity indicated. The manufacturer of the sliding system is not responsible for any damage to objects or people in the event of non-compliant installation.

PACKAGE CONTENTS

PRODUCT	DESCRIPTION	PACKAGE QTY.
	Sliding system	1 pce.
	Lower guide with guide fin	1 pce.
	Standard connection bracket assembly	2 pces.

Accessories

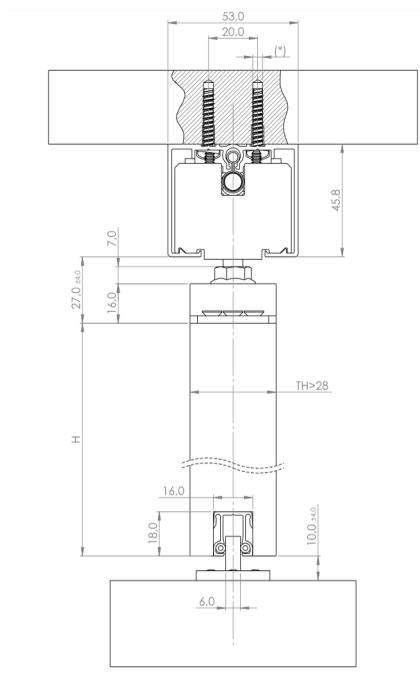
PRODUCT	DESCRIPTION	CODE	PACKAGE QTY.
	Two-piece bracket kit for door connection Wooden door version	100574	1 pce.
	Two-piece bracket kit for door connection Alu-framed door version	100575	1 pce.

PRODUCT	DESCRIPTION	CODE	PACKAGE QTY.
	Plate kit for 600–900mm door width Pair of wall-fixing brackets	101347	1 pce.
	Plate kit for 901-1200mm door width Three-piece wall-fixing brackets	101349	1 pce.
	Side cover 2400mm Anodized Aluminium, silver Painted Aluminium, white	100998 100999	1 pce. 1 pce.
	Caps and spacers set to fix covers	101000	(2+4) pces.

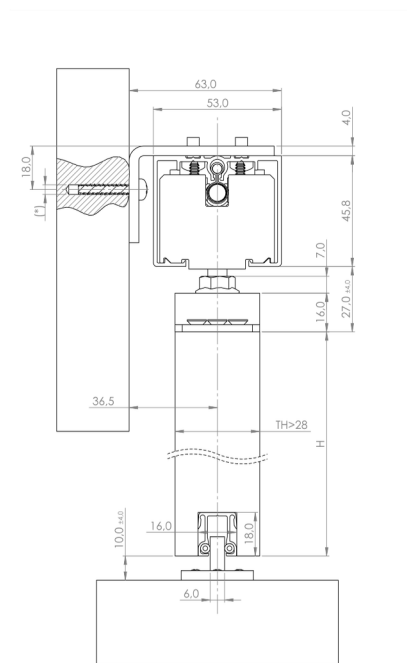
Fixing schemes

The system can be installed in the following configurations: ceiling-mounted, wall-mounted, ceiling-mounted with cover profile, or wall-mounted with cover profile. The installation configurations are illustrated below. Wall-mounted installation requires the use of accessory item No. 100577.

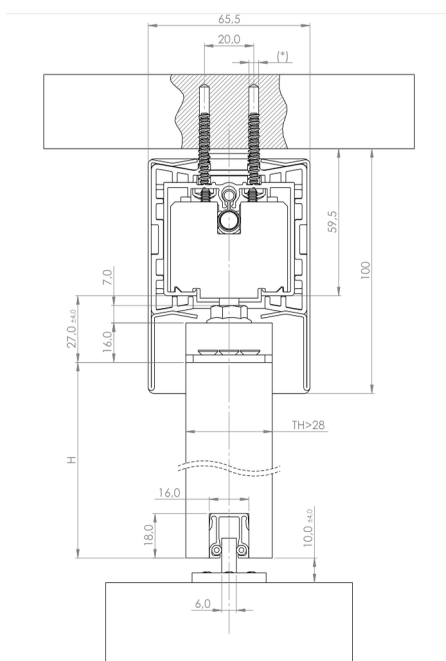
Ceiling fixing



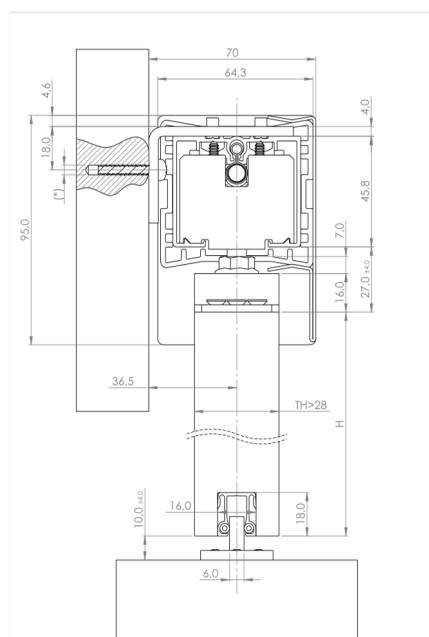
Wall fixing



Ceiling fixing with cover profile



Wall fixing with cover profile



Assembly instructions

WARNING! The installation of the sliding system must be carried out exclusively by professionals, who must have read this manual. During operations, pay maximum attention.

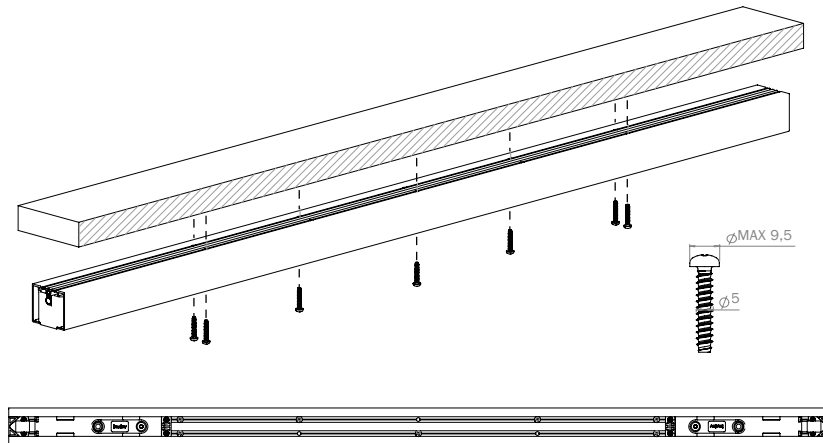
Preliminary operations:

1. Remove the product from its packaging.
2. Check that all components are included in the package.
3. Ensure the installation area is clean, well lit, and free from any objects that might interfere with the installation process.
4. Wear protective gloves with adequate cut-resistance level.



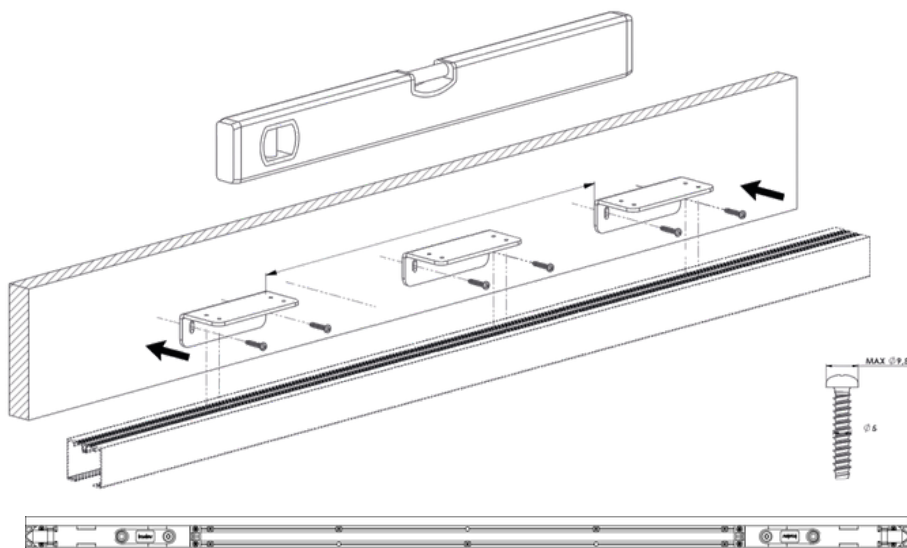
1 A Ceiling fixing

Fix the sliding profile to the ceiling using the screws indicated. Position the screws according to the drilling in the profiles, by placing two screws at both ends respectively. Fit the remaining screws symmetrically with respect to the sliding axis, as illustrated below.

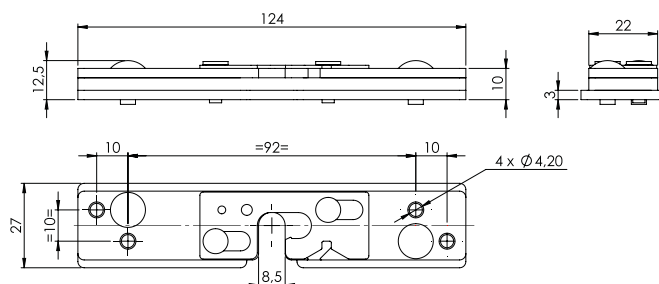
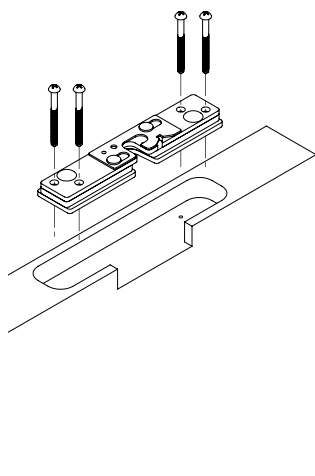


B Wall fixing

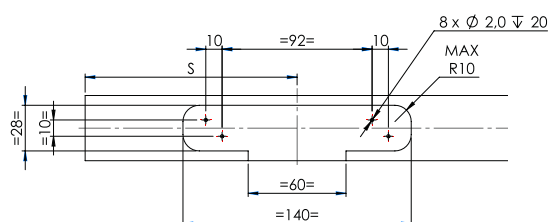
Fix the wall-mounted sliding profile using the accessory code 100577. Attach the lateral interface profile, ensuring that it is completely level. Then connect the sliding profile to the interface profile using the screws supplied. Position the screws according to the drilling in the profiles, by placing two screws at both ends respectively. Fit the remaining screws symmetrically with respect to the sliding axis, as illustrated below.



Wooden door version

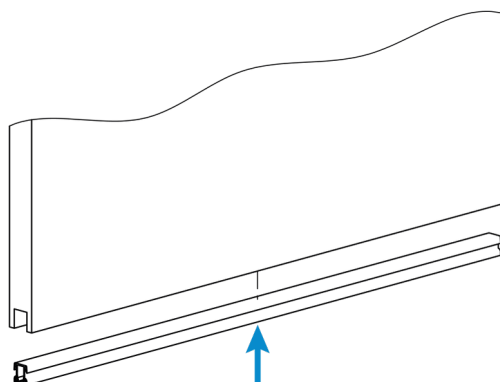


Wood-version bracket dimensions

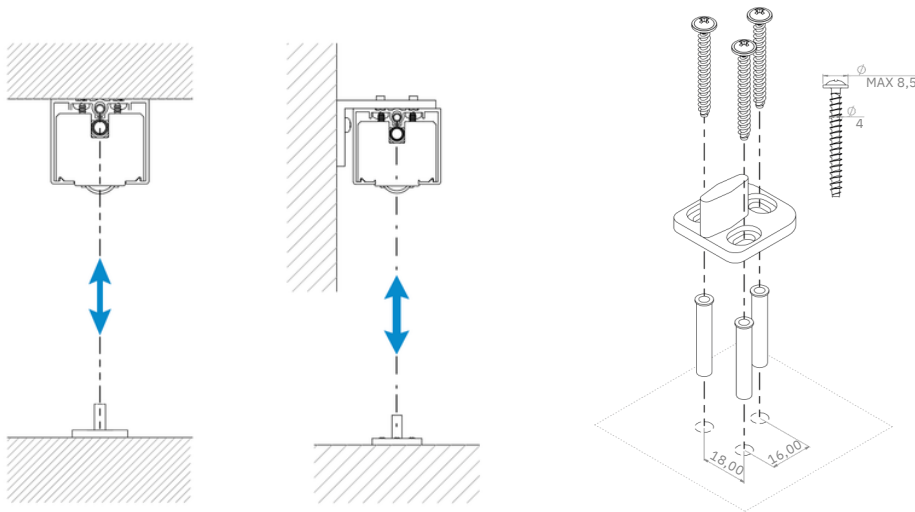


Door leaf machining for built-in fixing - 14 mm depth

- 3** Place the lower guide into the recess in the door. For wooden doors, fixing is by pressure, for alu-framed doors, fixing is by screws.

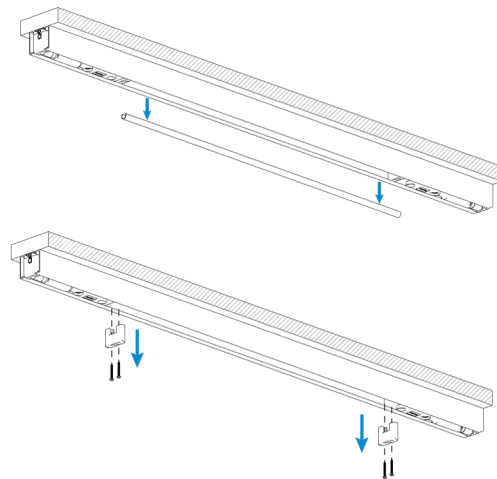


4 Fix the plastic floor guide element using screws.

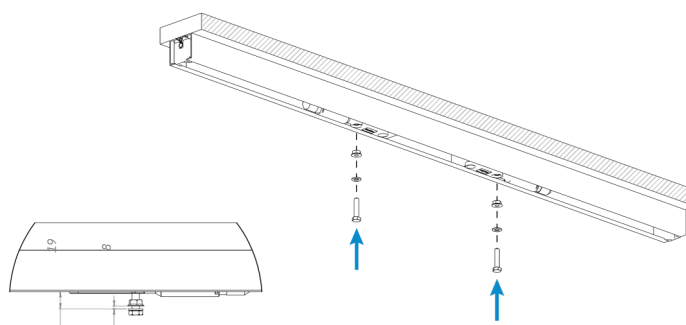


5 Remove the protective plastic profile and the two transport stop caps.

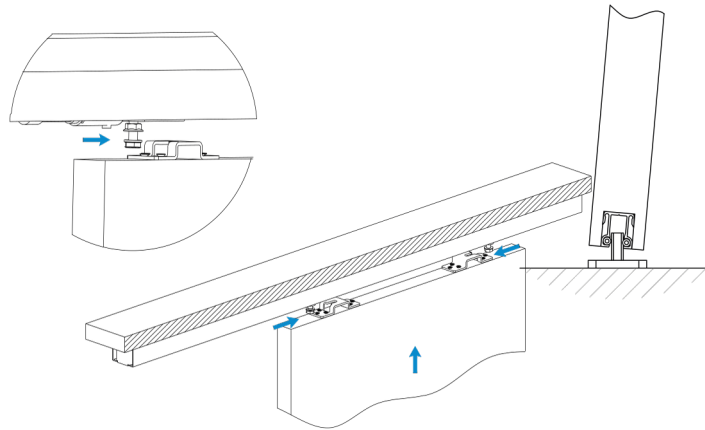
WARNING! The components indicated must be carefully stored by the user to be reinstalled, if necessary, in the event of disassembling the sliding system (e.g. for dismantling or repair). Refer to the relevant section of this manual.



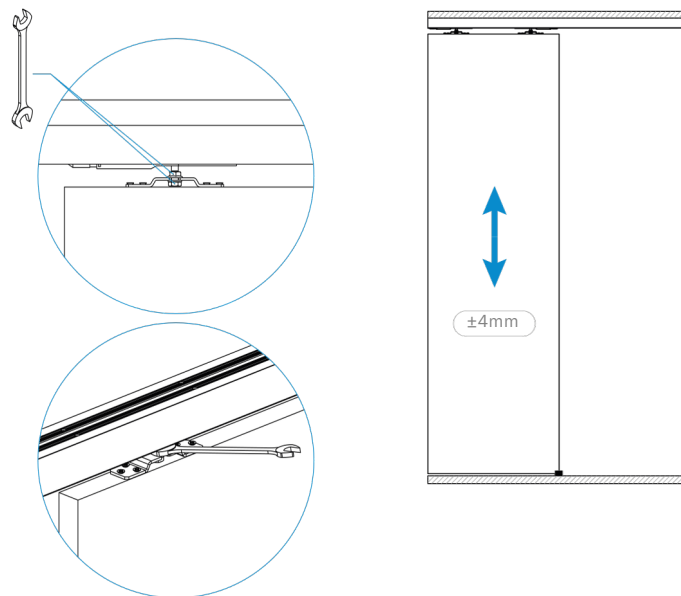
6 Insert the two pins of the connection brackets with their nuts and washers. Pre-tighten the pins to bring them to the dimension indicated.



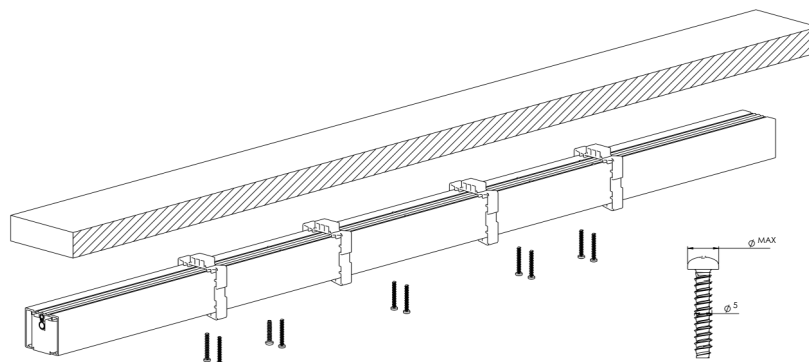
- 7** Mount the door onto the system, inserting first the guide element into the lower profile and subsequently the brackets into the appropriate pins.



- 8** Adjust the door vertically using the two M8 pins. After adjustment, fix in place using the locknut.

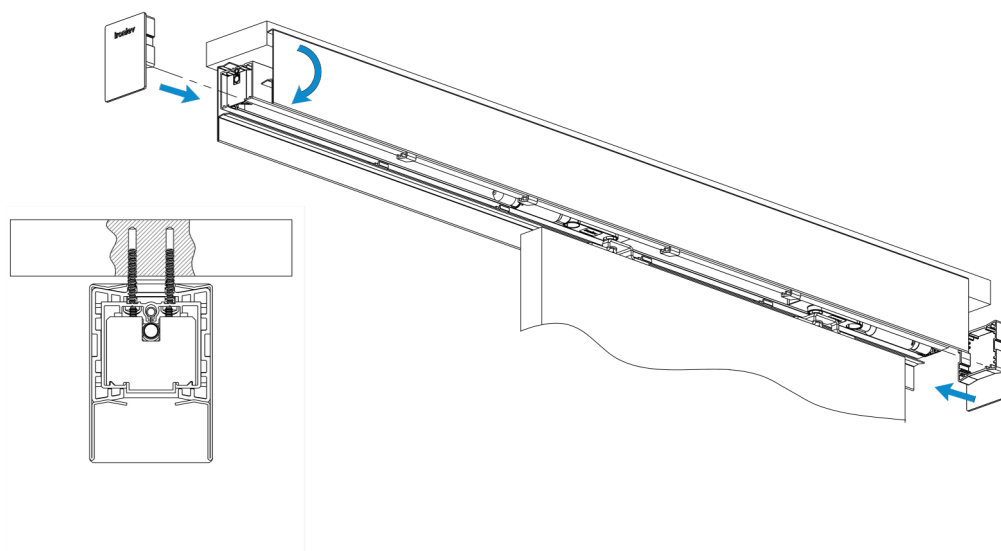


- 9** For ceiling configuration, use the dedicated spacers to secure the cover profile and then install the side caps. For wall configuration, follow the same procedure, using the spacers to ensure the correct fixing of the profile.



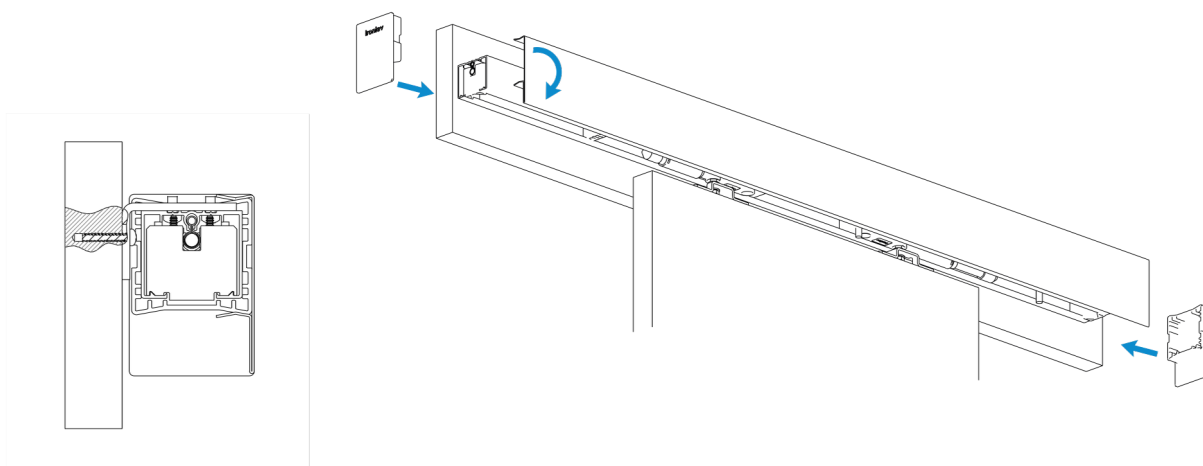
10 A Ceiling fixing

Then, install the cover profiles on both sides by engaging them with the snap-fit connection system of the spacers and side caps.



B Wall fixing

For wall configuration, first install the side caps, then fit the cover profile laterally using the snap-fit connection on the caps.



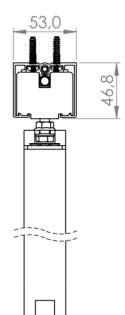
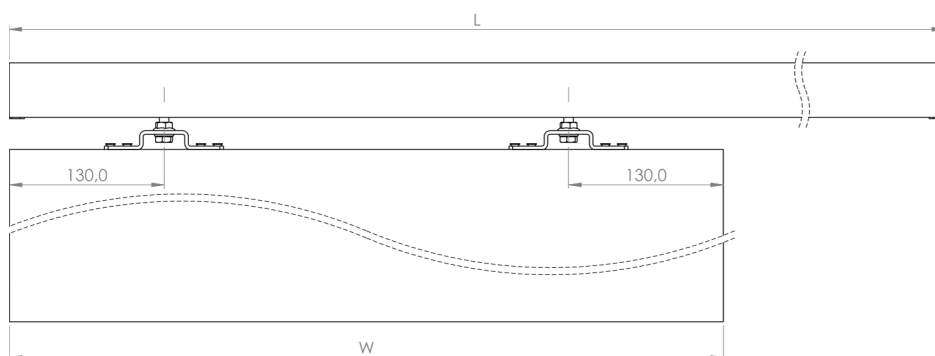
D-Way Kit

Features

- Ironlev levitation sliding system
- Coated sliding profile for maximum silence of movement
- Magnetic soft closing
- Fixing options: ceiling or wall mounted
- Lower special guide profile for maximum silence of movement
- Sliding force:
 - 50kg door: 0,5N
 - 100kg door: 3,0N
- Vertical adjustment of the door by means of M8 pins
- Opening force: 10N
- Damping stroke: 50mm
- Maximum load capacity: 100kg
- Maximum door height: 3m
- Door width range: from 600mm to 1200mm
- Tested according to UNI EN 1527 standard to 100.000 cycles

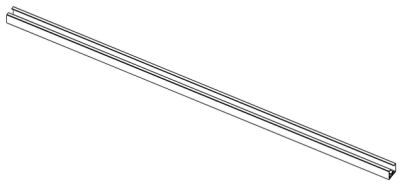
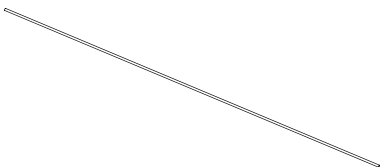
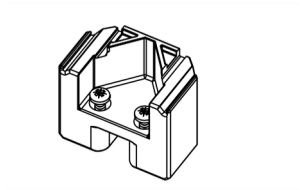
Tecnical data

Manufacturer	Ironlev One Srl
Product name	D-way
Trademark	Ironlev
Load capacity	100 kg
Overall dimensions (mm)	53x46,8



Code	W	L	Weight	Load capacity		Max. height
	mm	mm	kg	kg	lb	m
WD40900	from 600 to 900	1750	3,50	100	220,46	3
WD41000	from 901 to 1200	2350	4,2	100	220,46	3
WD41100 w/o brackets	from 600 to 900	1750	3,5	100	220,46	3
WD41200 w/o brackets	from 901 to 1200	2350	4,2	100	220,46	3

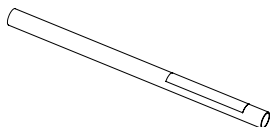
Package contents

PRODUCT	DESCRIPTION	PACKAGE QTY.
	Guide profile with inserted sleeve	1 pce.
	Ø8 round bar	1 pce.
	End caps with screws	2 pces.

PRODUCT

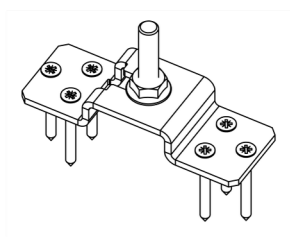
DESCRIPTION

PACKAGE QTY.



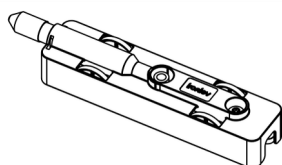
Magnetic return tubes

2 pces.



Door fixing omega brackets

2 pces.



Slider module with damper

2 pces.



Lower guide profile

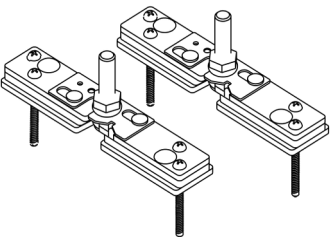
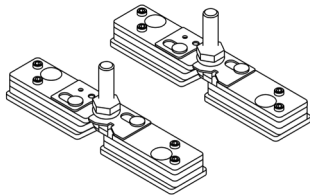
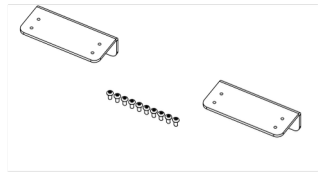
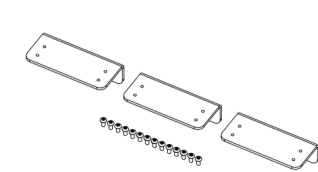
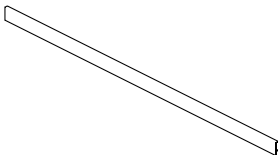
1 pce.

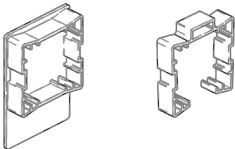
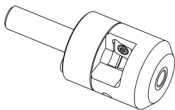


Lower guide fin

1 pce.

Accessories

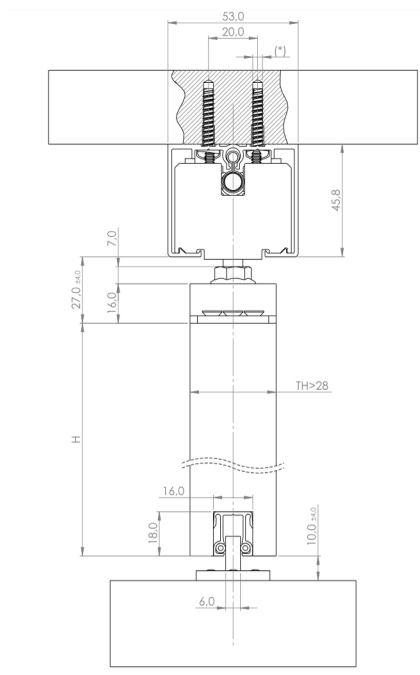
PRODUCT	DESCRIPTION	CODE	PACKAGE QTY.
	Two-piece bracket kit for door connection Wooden door version	100574	1 pce.
	Two-piece bracket kit for door connection Alu-framed door version	100575	1 pce.
	Plate kit for 600-900mm door width Pair of wall-fixing brackets	101347	1 pce.
	Plate kit for 901-1200mm door width Three-piece wall-fixing brackets	101349	1 pce.
	Side cover 2400mm Anodized Aluminium, silver Painted Aluminium, white	100998 100999	1 pce. 1 pce.

PRODUCT	DESCRIPTION	CODE	PACKAGE QTY.
	Caps and spacers set to fix covers	101000	(2+4) pces.
	End forming tool	101419	1 pce.

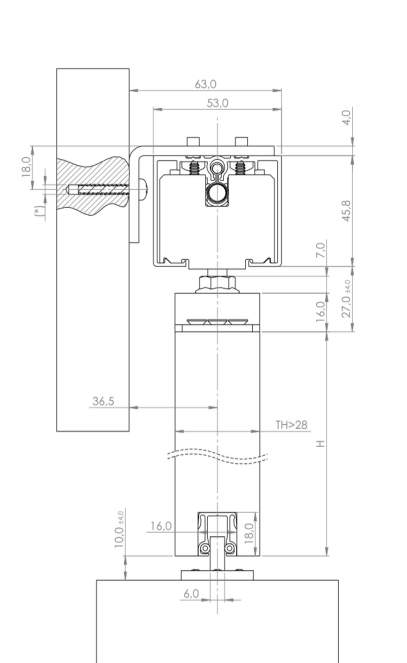
Fixing schemes

The system can be installed in the following configurations: ceiling-mounted, wall-mounted, ceiling-mounted with cover profile, or wall-mounted with cover profile. The installation configurations are illustrated below. Wall-mounted installation requires the use of accessory item 100577.

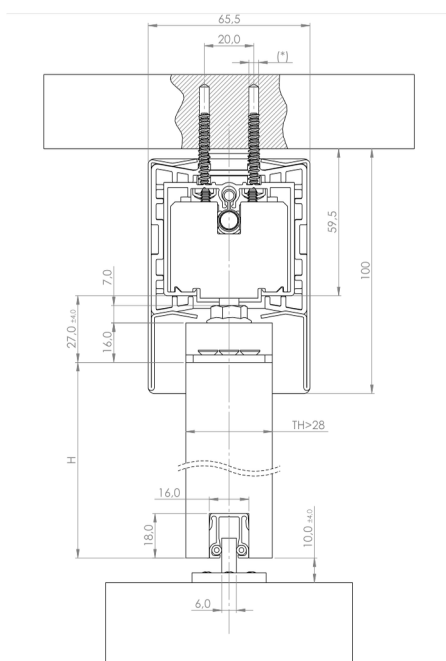
Ceiling fixing



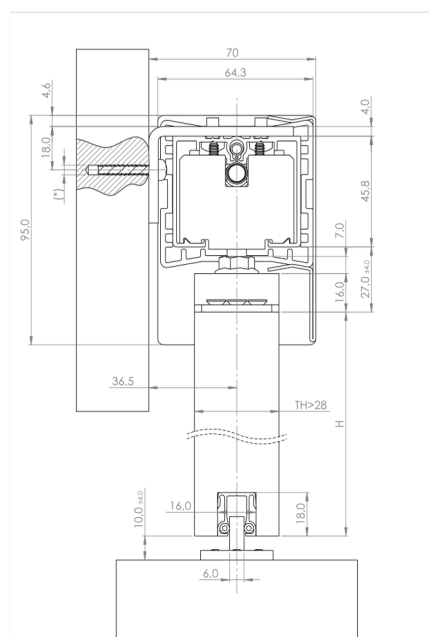
Wall fixing



Ceiling fixing with cover profile



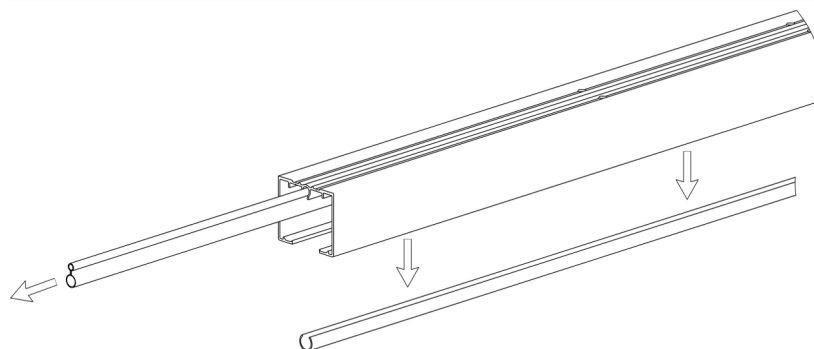
Wall fixing with cover profile



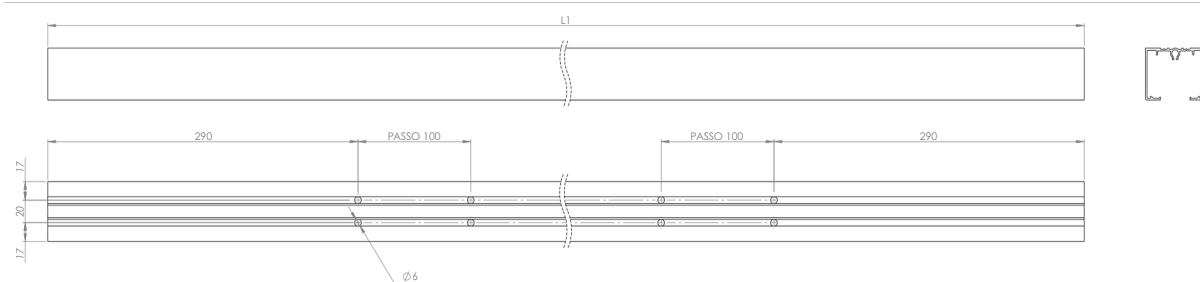
27.00 ± 0.0 45.85 5.00

System assembly instructions

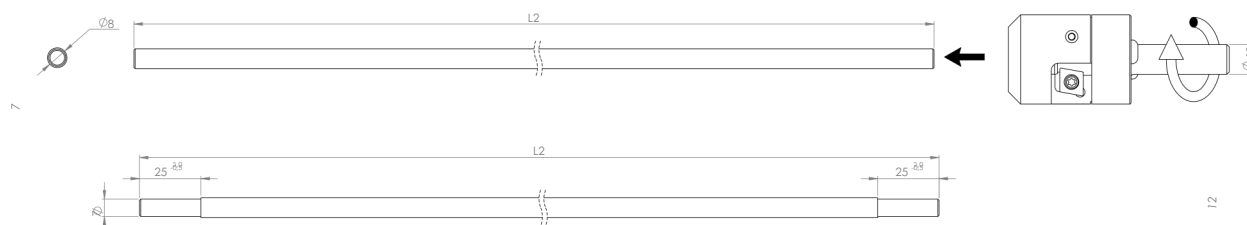
- 1 Pull out the sleeve and remove the protection.



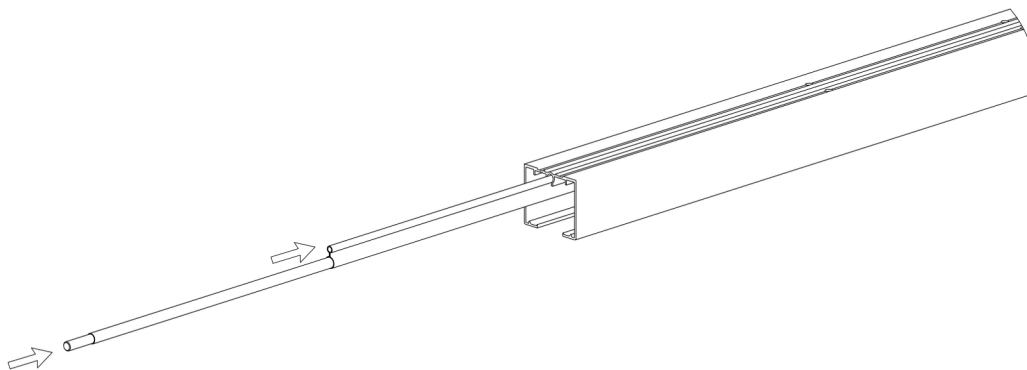
- 2 Cut the aluminum profile to length L1, corresponding to the desired system length L, then drill it according to the drawing.



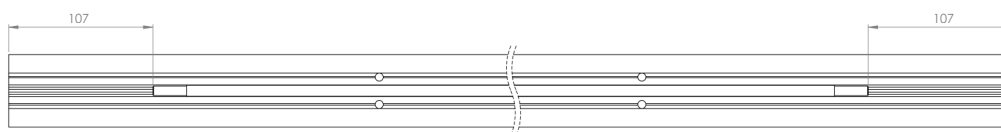
- 3 Cut the Ø8mm steel round bar to length L2, equal to $L - 214$ mm, then prepare both ends using the end-forming tool.



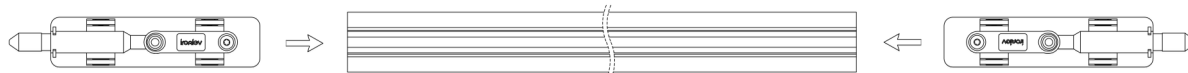
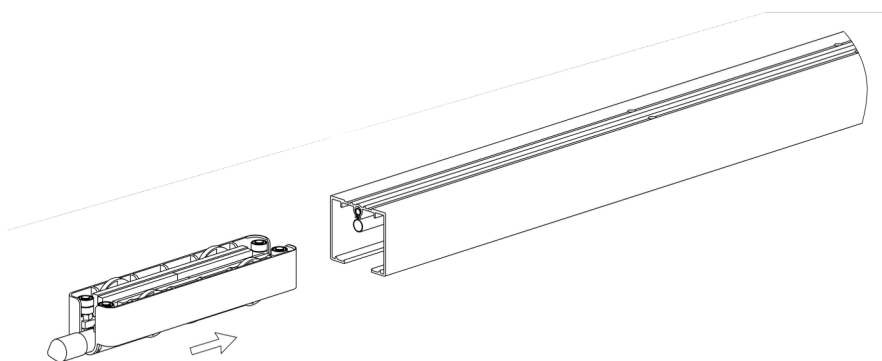
- 4 Insert the cut-to-length sleeve and place the cut and milled round bar into it,



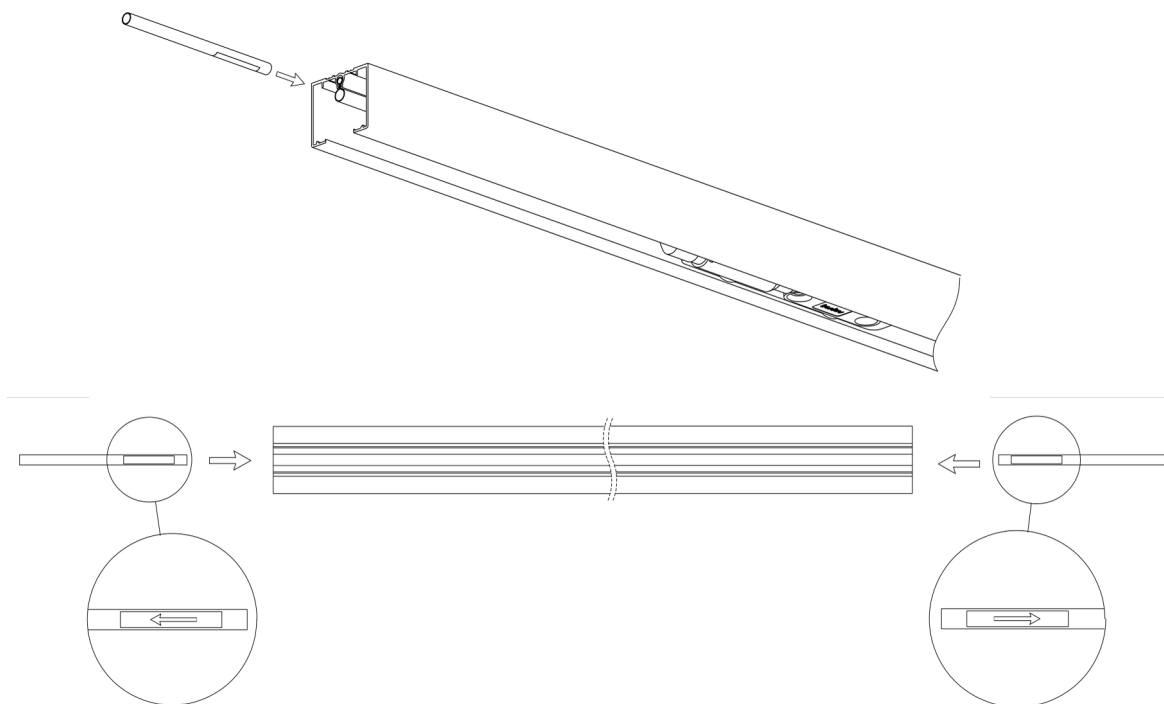
leaving a 107 mm space at both right and left sides.



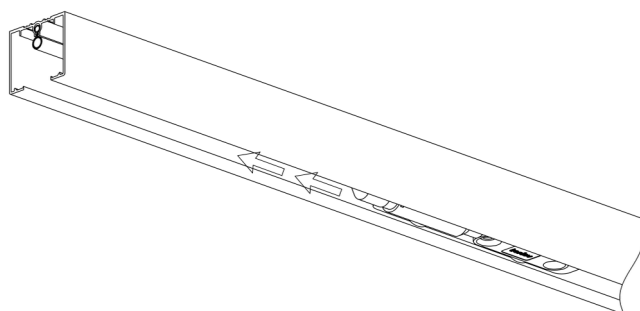
- 5 Clean the slider modules with a micro-fibre cloth and install them onto the guide profile in the correct orientation, ensuring that the damper head faces outward.



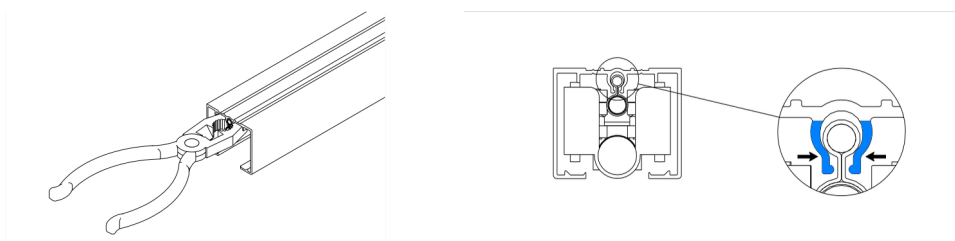
- 6** Insert the magnetic return tubes with the arrow pointing downward indicating the return direction, as shown in the figure.



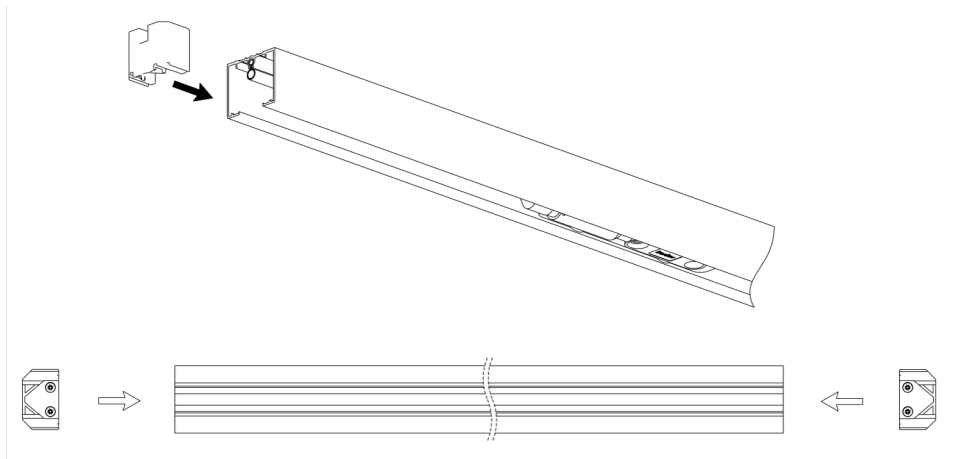
- 7** Verify that the magnetic return system of both carriages operates correctly by bringing each carriage close to the guide and ensuring that it is magnetically attracted.



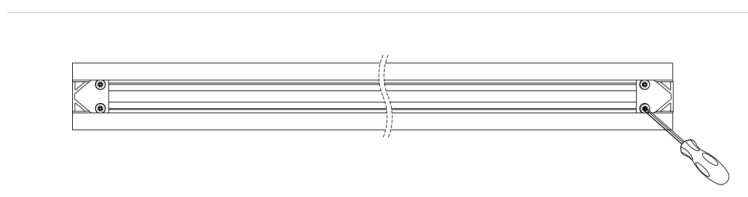
- 8** Secure both ends of the profile to prevent the sleeve from slipping out.



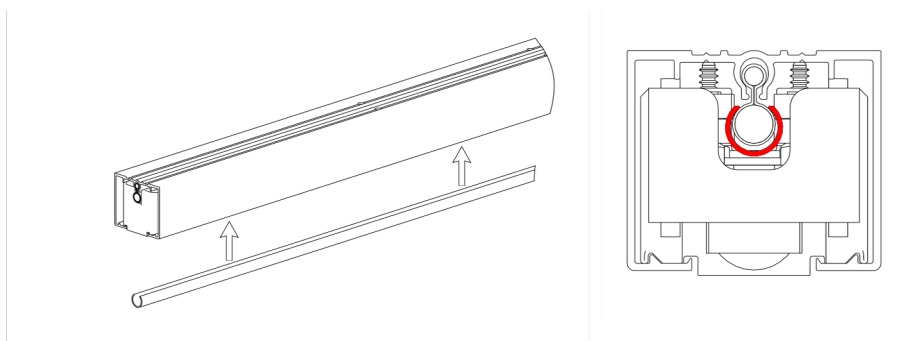
- 9** Insert the end caps flush with the profile on both sides..



- 10** Tighten the end cap fastening screws until the end cap is fully secured.



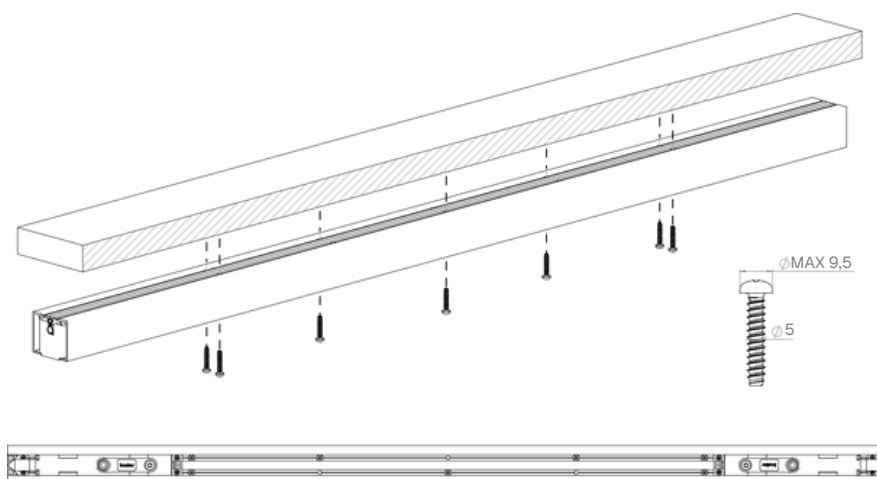
- 11** Bring the sliders into contact with the end caps. Cut the protective profile so that it covers the sleeve over the entire exposed section between the two sliders, then press it back into place on the system to protect the sleeve during installation.



Assembly instructions

1 A Ceiling fixing

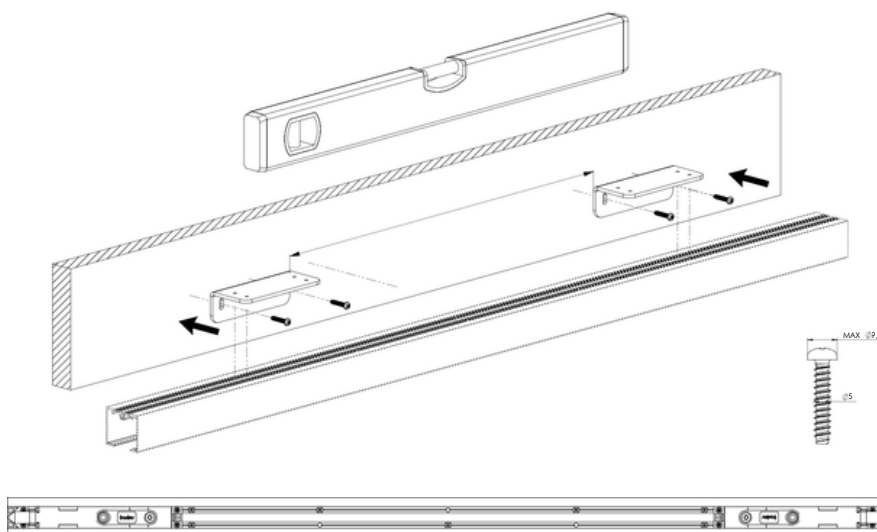
Fix the sliding profile to the ceiling using the screws indicated. Position the screws according to the drilling in the profiles, by placing two screws at both ends respectively. Fit the remaining screws symmetrically with respect to the sliding axis, as illustrated below.



B Wall fixing

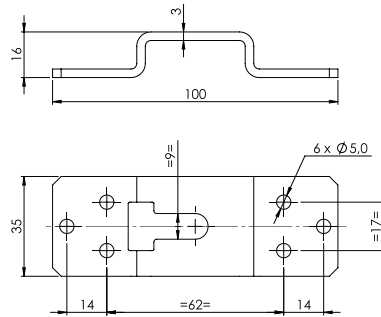
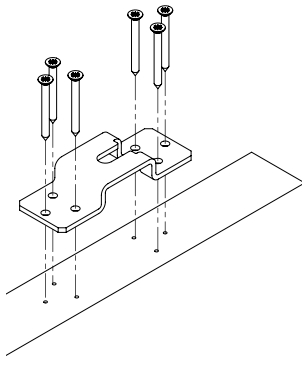
Fix the sliding profile to the wall using the accessory code 101347-101349. Fix the lateral interface profile to the wall, ensuring it is correctly levelled. Finally, connect the sliding profile to the interface profile using the screws supplied.

Position the screws according to the drilling in the profiles, by placing two screws at both ends respectively. Fit the remaining screws symmetrically with respect to the sliding axis, as illustrated below.

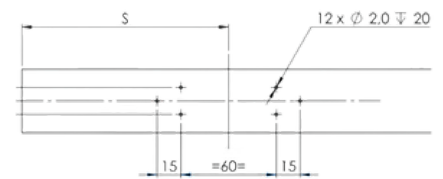


- 2** Fix the connection brackets to the door using the screws indicated, checking the dimension with respect to the side of the door. Make sure that the bracket is positioned symmetrically with respect to the thickness of the door.

Standard version

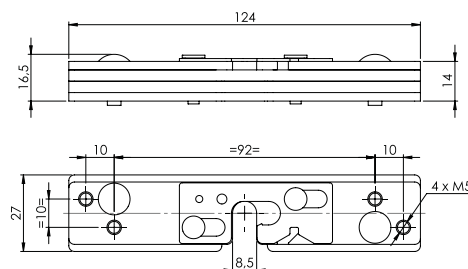
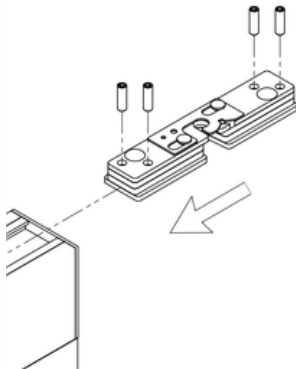


Standard bracket dimensions

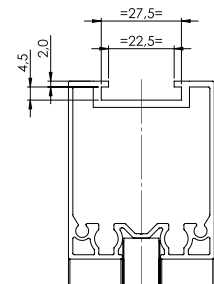


Fixing hole pattern

Alu-framed door version

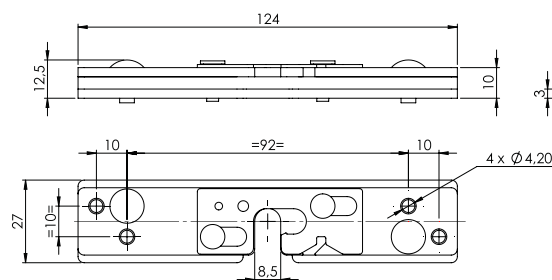
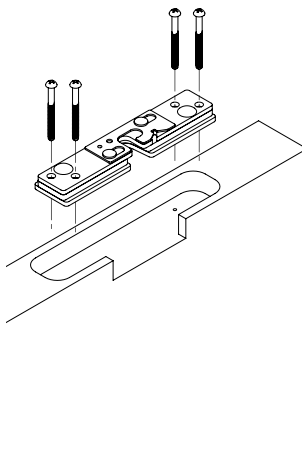


Aluminium-version bracket dimensions

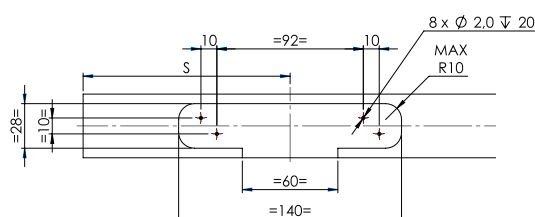


Housing seat for aluminium bracket profile

Wooden door version

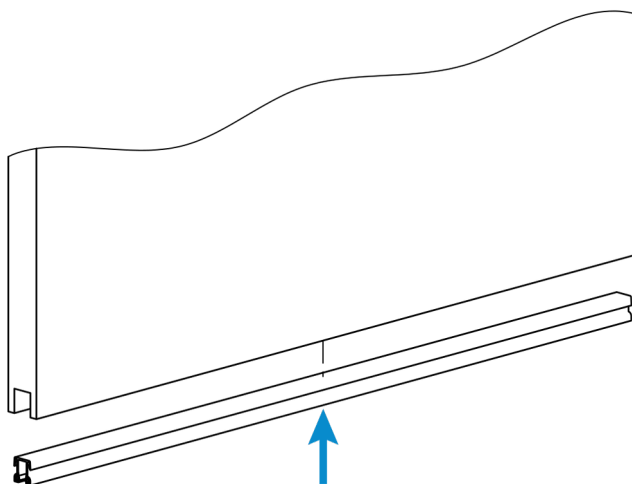


Wood-version bracket dimensions

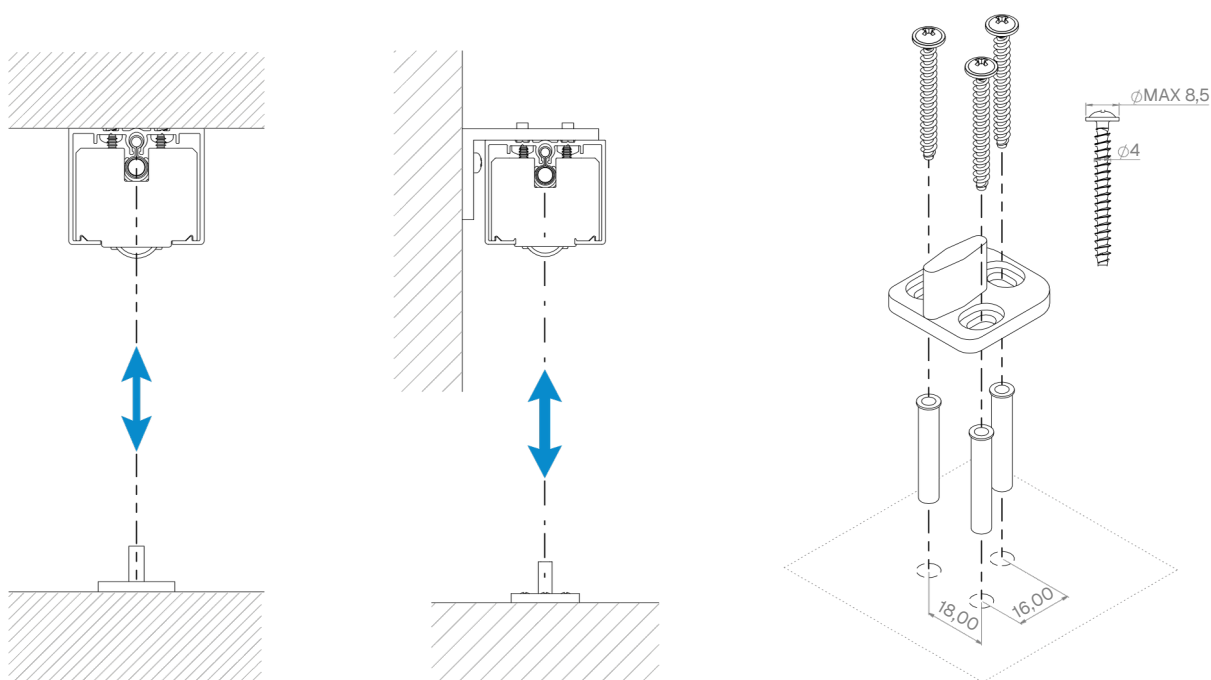


Door leaf machining dimensions for built-in fixing – 14 mm depth

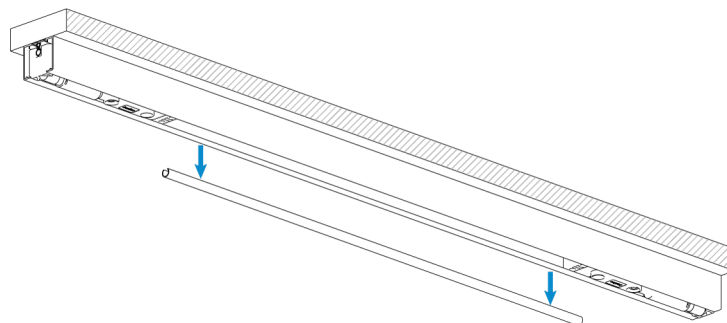
- 3 Place the lower guide into the recess in the door. For wooden doors, fixing is by pressure, for alu-framed doors, fixing is by screws.



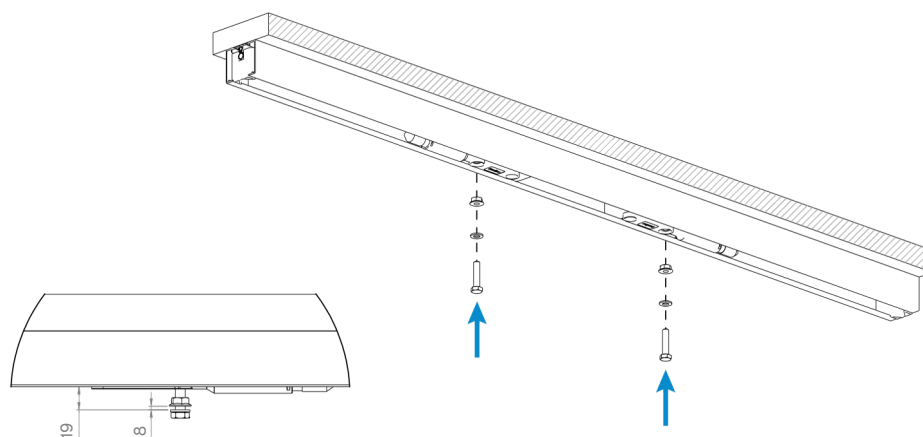
- 4 Fix the plastic floor guide element using screws.



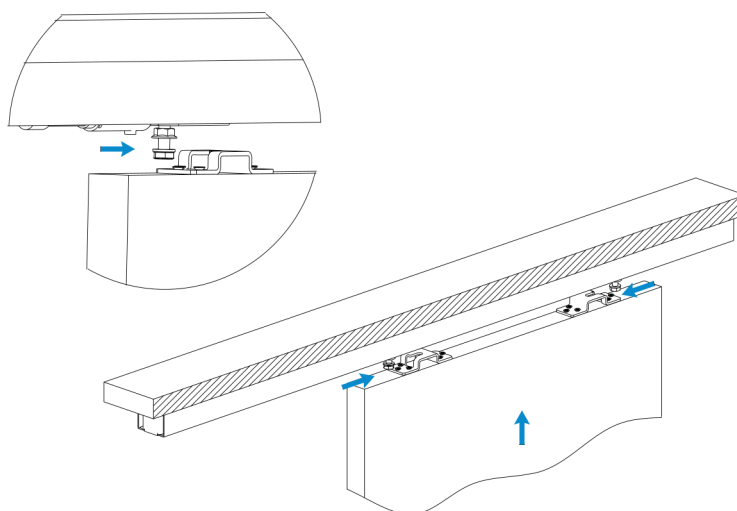
- 5** Remove the plastic protection profile.



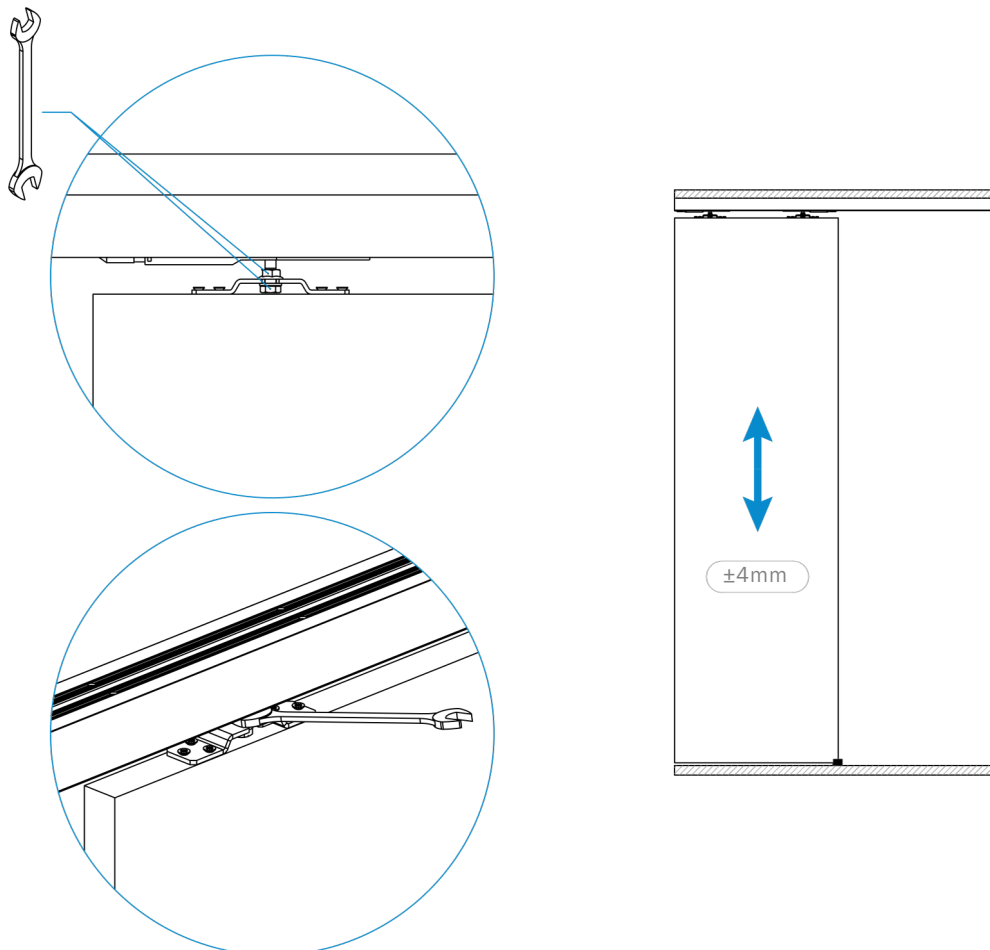
- 6** Insert the two pins of the connection brackets with their nuts and washers. Pre-tighten the pins to bring them to the dimension indicated.



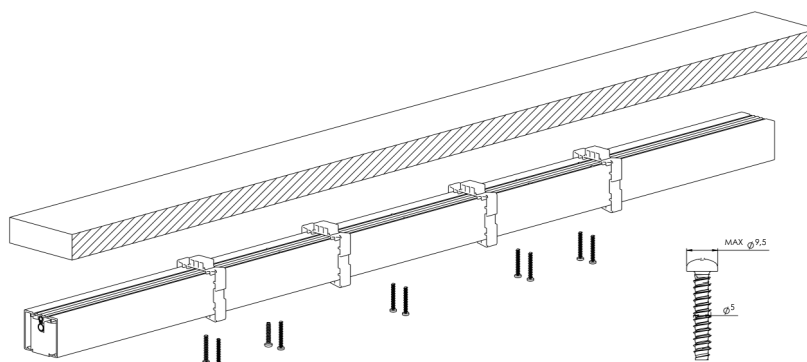
- 7** Mount the door onto the system, inserting first the guide element into the lower profile and subsequently the brackets into the appropriate pins.



- 8** Adjust the door vertically using the two M8 pins. After completing the adjustment, tighten the locknut.

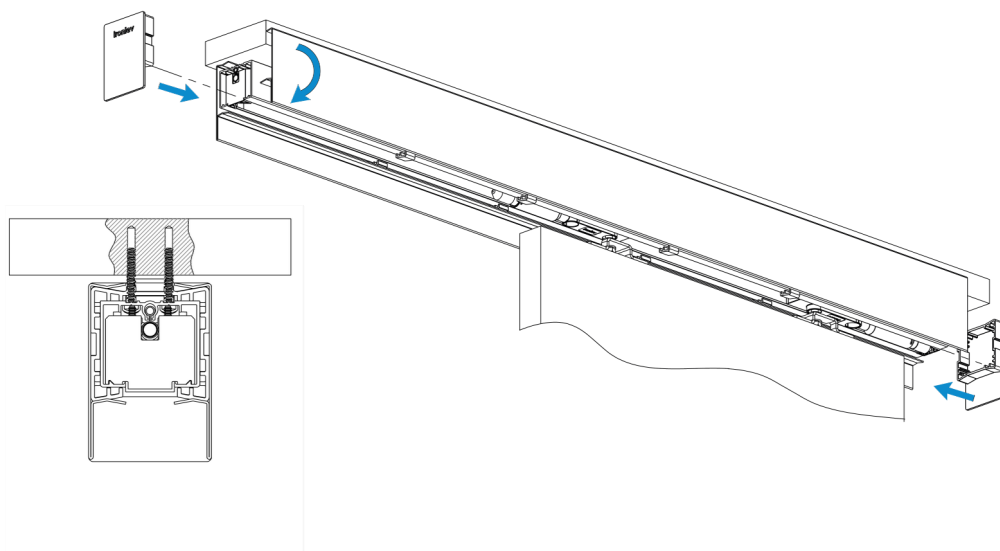


- 9** For ceiling configuration, use the dedicated spacers to secure the cover profile and then install the side caps. For wall configuration, follow the same procedure, using the spacers to ensure the correct fixing of the profile.



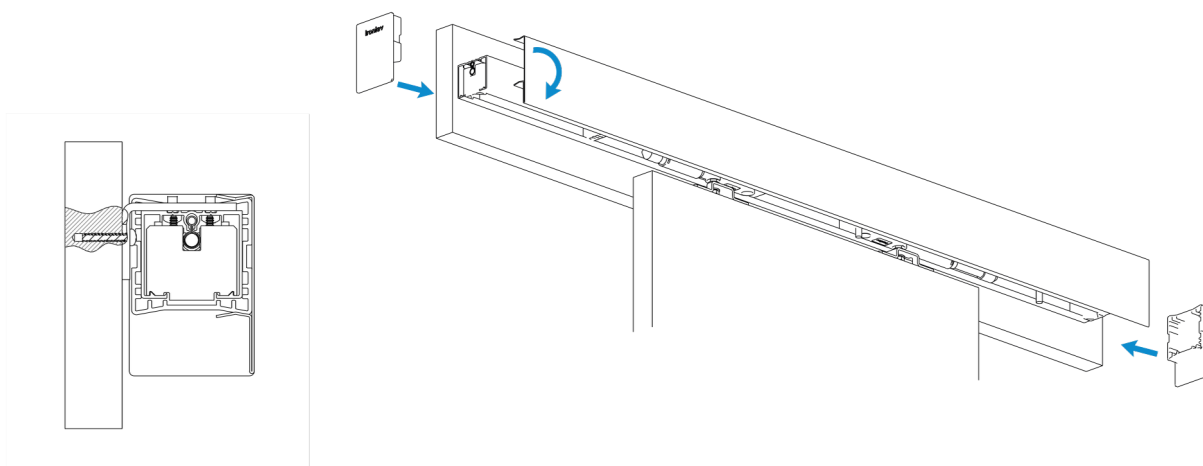
10 A Ceiling fixing

Then, install the cover profiles on both sides by engaging them with the snap-fit connection system of the spacers and side caps.



B Wall fixing

For wall configuration, first install the side caps, then fit the cover profile laterally using the snap-fit connection on the caps.



D-Way safety instructions

The product covered by this manual is a sliding system equipped with magnetic levitation sliders. The product is specifically designed for the creation of interior sliding doors in domestic or similar environments

WARNING! Any use outside the indicated applications will be considered as incorrect or improper use, voiding the guarantee and relieving the manufacturer from any liability. Contact the manufacturer at the address indicated in this manual in case of doubts.

The product is designed to be a component of a more complex object. The installer must design and build the sliding door in compliance with the technical regulations of the domestic building sector.

In particular, the installer must take suitable measures to avoid crushing, cutting and shearing during opening and closing of the door. If the door is motorized, he must also provide certification according to the legislation applicable in the country of installation.

Furthermore, the installer must provide the user, in addition to this document and for the parts within its competence, a manual containing:

- characteristics of the installation environment of the sliding door,
- instructions for the correct installation of the sliding door,
- instructions for the safe use of the sliding door,
- instructions for maintenance,
- instructions for dismantling and disposal,
- information regarding residual risks.

Below are the residual risks identified by the sliding system manufacturer for the parts under its responsibility.

Risk	Description
	During the opening operations of the packaging, given the need to use tools such as cutters, injuries to the hands or other parts of the body are conceivable. For these operations it is recommended to always pay the utmost attention. It is also mandatory to wear protective gloves with suitable anti-cut characteristics. Do not extend the cutter blade any longer than necessary. Do not let minors or disabled people carry out this operation.
	During the removal of material from packaging, installation, maintenance and dismantling operations, cuts and abrasions on the hands may occur due to handling the components. You may also be exposed to the risk of injury from using hand-held power tools. For these operations it is recommended to always pay the utmost attention. It is also mandatory to wear protective gloves with suitable anti-cut characteristics. It is mandatory to use certified portable tools that are safe and in good working conditions. Do not let minors or people with impaired mobility carry out this operation.

	In the immediate vicinity of the sliders there is naturally a static magnetic field due to the presence of permanent magnets. When the system is installed, the magnets are out of reach, but during installation and dismantling operations such magnets could interfere with Implantable Medical Devices. These operations are therefore prohibited for those wearing these devices.
	During installation it is necessary to reach the top of walls and ceilings, exposing yourself to the risk of falling. For these operations, it is necessary to wear suitable footwear with non-slip soles and to use stable and safe ladders and scaffolds. If necessary, secure or have other people hold the ladder. Do not walk up the stairs with objects in your hand but have them passed to you by another person once you reach the installation point.
	When the door is installed, points of possible crushing or shearing of fingers and hands may be created. The door installer must take appropriate precautions to prevent these risks from materializing, according to the applicable technical standards.
	In the event of slipping or breaking of the fastening devices of the sliding system or those of the door support, these components can fall. Do not exceed, even for short periods, the maximum load indicated in the tables in this manual. Check the correct tightening of the fasteners at least every year. Use only fastening and support devices supplied by the manufacturer and of proven solidity and reliability.

WARNING! Some risks for users depend on the design and characteristics of the door in which the sliding system is installed. A specific risk assessment must be carried out by the manufacturer of the complete door in order to eliminate them or, if impossible, to reduce them to an acceptable level.

WARNING! The door and the sliding system on which it is installed are not toys. Prevent children from playing with them.

These instructions are an integral part of the supply. They contain important information relating to the safety of those who use the component throughout its useful life, from construction to disposal as waste. They must therefore be carefully preserved and consulted when necessary. The door installer must deliver these instructions to the user.

If this product is used for the construction of a motorized door, or other products that require certification according to current legislation, a copy of these instructions must be included in the relevant technical construction file, and consequently kept.

D-Way packaging, storage and transportation

The product is packaged at the manufacturer's headquarters. The product is contained within a cardboard packaging containing the pre-assembled technical profile and contained in special cardboard packaging; the lower guide profile and hardware (fasteners and fixing brackets) arranged in a special plastic bag.

The packaging components must be disposed of in accordance with the environmental regulations of the country of installation. Refer to the dedicated chapter of this manual for the list of materials that make up the packaging.

Until installation, the product must be kept inside the original packaging. The packaged product can be stored in environments with the following characteristics:

- Temperature between +5 °C and +40 °C
- Humidity not exceeding 90%
- Protected from bad weather
- In a dry and well-ventilated place
- Away from heat sources
- In an environment free of corrosive substances or atmospheres

Storage in environments other than those indicated is explicitly prohibited.

During transportation, the packaged product must be handled with care. Avoid impacts or falls that could damage the product inside the package.

The manufacturer is not responsible for any damage due to incorrect storage, transport or handling of the product.

The weight of the packaged product is generally less than 20 kg. However, it is recommended to carry out the lifting respecting the principles of ergonomics. In particular:

- Grip the product firmly with both hands,
- Lift it using your legs and not your back, avoiding awkward postures,
- If possible, get help from another person.

D-Way performance and tests performed according to UNI EN 1527

Cycling test

100.000 cycles

D-Way maintenance

Once installed, the product does not require any particular maintenance operations. The door installer must provide the user with complete instructions for maintaining and cleaning the product.

We recommend checking the correct sliding of the door on which the product is installed at least annually. The movement must be fluid and constant. If not, visually check that there are no objects preventing correct sliding and remove them if necessary. Contact the installer if sliding problems persist. Contact IRONLEV ONE customer service if you find any defects or breakages.

WARNING! Maintenance following breakages and malfunctions of the sliding system can be exclusively performed by IRONLEV ONE personnel. In the event of component breakage, it is necessary to disassemble the door, remove the system from its housing and send it to the addresses indicated in the appropriate chapter prior telephone or e-mail contact.

D-Way disassembly

In the event of disassembling the sliding system, proceed as follows:

- Remove the door from the sliding system by unhooking the M8 pins from the respective brackets
- Remove the upper fixing screws of the system and remove the system from the support
- Bring the carriages into contact with their respective end stroke caps
- Insert the transport caps and block them at the stop point of the slider in order to avoid movement of the slider during transport

D-Way dismantling

The following table shows the materials of which the system is made. Once its useful life is over, the system must be disposed of in accordance with the environmental regulations in force in the country of use.

Component	Material
Slider body and pins	Galvanised steel
Magnetic plates and end magnets	Neodymium magnets

Bearings	Stainless steel
External profile	Aluminium
Internal profile	Steel, stainless steel and plastic
Caps and stops	Plastic
Slider cover	Plastic
Connector	Galvanised steel
Connection bracket and fasteners	Galvanised steel
Packaging	Cardboard

Assistance and warranty

For any problems or information, contact the technical assistance of **Ironlev One srl**.

info@ironlev.com
via Galvani 6/A - Spresiano (TV) - Italy

At the time of contact, the model and serial number of the product must be indicated, in order to provide the best possible assistance. Find the data imprinted (or printed or shown on the label) positioned on the slider body before making the call.

This product is sold new directly from the manufacturer and is covered by the warranty on consumer goods provided by the European Directive (EU) 2019/771. Any modification of the product by the user, including removal of the label, or failure to comply with the instructions contained in this document, relieves the manufacturer from any obligation and invalidates this warranty.