

**Engineering progress
Enhancing lives**

RAUVOLET noble matt

Technical information



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01 Information and safety instructions

01.01 Validity

This technical information is valid worldwide.

01.02 Current technical information

To ensure your safety and the proper use of our products, please regularly check whether a more recent version of the technical information is available.

The issue date of your technical information is always printed on the document, generally on the bottom right-hand side of the back page. You can obtain the latest technical information from your REHAU Sales Office or your dealer.

01.03 Navigation

At the beginning of this technical information, you will find a detailed table of contents with the numerically ordered headings and the corresponding page numbers.

01.04 Pictograms and logos



Safety instructions



Legal notice



Important information



Additional information, e.g. on the internet



Your benefits

01.05 Intended use

The RAUVOLET noble matt system may only be planned and installed as described in this technical information. Any other use is deemed to be outside the intended scope of application and therefore is not permitted.

01.06 Area of application

The RAUVOLET noble matt tambour door range and all system components are developed specifically for indoor use in kitchen, office and home environments. Use both outdoors and in rooms with a permanently high air humidity above 50% rel. humidity, as well as use in rooms with temperatures permanently greater than 50 °C, is not intended and therefore not authorised. In addition, permanent exposure to sunlight must be avoided.

01.07 Consultation in application technique

Our verbal and written consultation in application technique is based on experience and our best knowledge. However, it should be regarded as non-binding information. Working conditions and various operating conditions that lie outside of our influence preclude the ability to make a claim from our services. We recommend you ensure that the REHAU product is suitable for the intended use.

New designs and in-house designs for tambour door cabinets must always be tested by the customer (endurance testing, handling, etc.).

The application, use and processing of the products take place outside of our control and are therefore beyond the scope of our responsibility.

01.08 ISO certification

Continuous and stringent quality control is essential for uniform and high-quality products, so the profiles listed are only produced in REHAU factories that are certified in accordance with ISO 9001:2008.

The ISO 9001:2008 certificate can be retrieved in the download section of our REHAU website at www.rehau.com.

01.09 Liability and warranty

Claims for liability shall be governed exclusively according to our delivery and payment conditions, available to read at www.rehau.uk. This also applies to any warranty claims, whereby the warranty refers to the consistent quality of our products in accordance with our specifications.

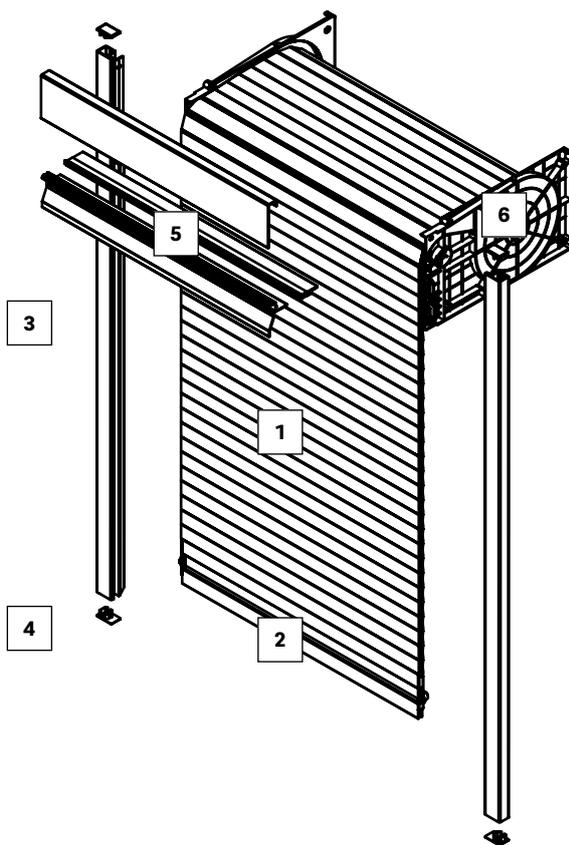
02 Product description and system composition

One of the most apparent trends today is towards matt furnishings. This has led interior decorators all over the world to combine matt surfaces with high-quality contrast materials to create spaces that appeal to several senses.

The new RAUVOLET noble matt tambour door system offers optimum use of a space and a material that integrates perfectly with modern, monolithic matt furniture – without breaks in material and colour. At the same time, RAUVOLET noble matt offers a pleasant, soft to touch feel with anti-fingerprint feature.

The ready-to-install RAUVOLET noble matt complete set comprises a variety of extruded and injection-moulded articles. Visible surfaces are embellished with a matt paint, ensuring that the cabinet fronts impress with their style. As the colour palette matches that of the RAUVISIO noir design, effective combinations and design options are possible. Moreover, the RAUVOLET noble matt tambour door system completely avoids the use of PVC components.

As a vertical cabinet front solution, the RAUVOLET noble matt tambour door system is equipped with an installation-friendly balancing mechanism, allowing exceedingly easy handling when opening and closing. The roller shutter set, comprising tambour door carpet, slam rail, vertical pelmet (3-piece) and guide rail is manufactured from a variety of high-quality materials. In combination with the ready-to-install C3-Box balancing mechanism, REHAU offers a robust complete system that is extremely easy to install.



- ❶ Tambour door carpet 24.2 mm
- ❷ Slam rail incl. slam rail glide
- ❸ Guide rails 29 mm (left/right)
- ❹ Suitable end caps (top/bottom)
- ❺ Vertical pelmet (3-piece) incl. aluminium base profile and mounting profile
- ❻ C3-Box including balancing mechanism

02.01 Colours

The RAUVOLET noble matt tambour door cabinet system is available in different colours in line with the current product range.

Visual colour evaluation is one of subjective perception, i.e. the colour effect is dependent on various influencing factors such as location of the tambour door cabinet, area of use, different types of light, light incidence, light intensity and viewing angle, etc.

Technical colour deviations and colour variations therefore cannot be ruled out. Despite high quality standards, these can occur both within the RAUVOLET noble matt tambour door system and in combination with the RAUVISIO noir board material.

02.02 Range of application

The standard range of application of the vertical cabinet solution can be divided into the following system dimensions.

System width mm	System height mm
600	< 1,000
	< 1,500
900	< 1,000
	< 1,500

02.03 Cassette dimensions

The following table indicates the space required for the cassette system.

System width mm	Board thickness Carcass mm	Cassette width ≙ Internal width mm	Cassette height mm	Installation depth of cassette mm
600	16	568	164	276
	18/19	562	164	276
900	16	868	164	276
	18/19	862	164	276

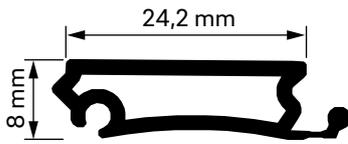
02.04 Profiles, individual and set components

The tambour door cassette system uses different profiles as well as individual and set components. The components of the RAUVOLET noble matt tambour door system are listed below.

Profile sketch

Profile

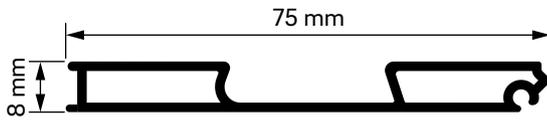
Material



Tambour door profile 24.2 mm

Base profile: PP

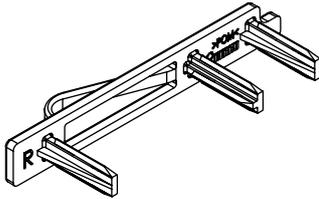
Protective coating: paint



Slam rail 75 mm

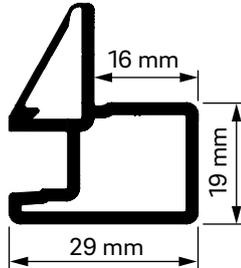
Base profile: PP

Protective coating: paint



Slam rail glide

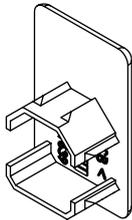
POM



Guide rails 29 mm

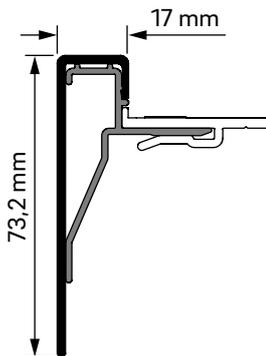
Base profile: PP

Protective coating: paint

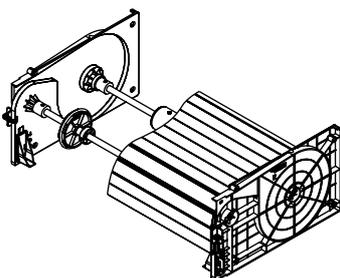


End caps for guide rails 29 mm

SB

3-piece vertical pelmet
incl. mounting profilePelmet cover profile: PP
Vertical pelmet base
profile: ALU
Mounting profile: ABS

Protective coating: paint



C3-Box balancing mechanism

POM, SB, ALU, spring
steel

02.05 Dimensions and permitted deviations

The manufacture and assembly of the tambour door carpet are subject to standard process fluctuations resulting from industrial production. The allowable tolerances are listed below.

02.05.01 Dimensions and tolerances for tambour door carpets

The following tolerances apply to the profile length (PL) for tambour door carpets.

Profile length (PL)	Tolerance*
PL for 600 mm system width	+/-1 mm
PL for 900 mm system width	+/-1 mm

*Alternative tolerances according to customer's REHAU drawing or on request.

The angular tolerance of tambour door carpets depends on the number of roller shutter slats and the joint type of the individual roller shutter slats. For example, one-sided pressure or tension can cause angle deviations. The maximum permissible deviation (ZA) is specified and tested in millimetres rather than degrees.

Insofar as no other definition or customer-specific REHAU drawing is available, the allowable deviation of the tambour door carpets is ZA = +/-2 mm.

02.05.02 Dimensions and tolerances for vertical pelmet profiles

The following tolerances apply to the profile length (PL) for vertical pelmet profiles.

Profile length (PL)	Tolerance*
PL for 600 mm system width	-0.5 mm
PL for 900 mm system width	-0.5 mm

*Alternative tolerances according to customer's REHAU drawing or on request.

02.05.03 Dimensions and tolerances for slam rail profiles

The following tolerances apply to the profile length (PL) for slam rail profiles.

Profile length (PL)	Tolerance*
PL for 600 mm system width	+/-0.5 mm
PL for 900 mm system width	+/-0.5 mm

*Alternative tolerances according to customer's REHAU drawing or on request.

02.05.04 Dimensions and tolerances for guide rail profiles

The following tolerances apply to the profile length (PL) for guide rail profiles.

Profile length (PL)	Tolerance*
PL for 600 mm system width	+/-0.5 mm
PL for 900 mm system width	+/-0.5 mm

*Alternative tolerances according to customer's REHAU drawing or on request.

02.05.05 Longitudinal warpage of profiles

Longitudinal warpage varies by profile. Details can be given on request.

02.06 Surface properties

Acetone-based and abrasive cleaning agents, as well as abrasive or rough cleaning utensils, are not suitable for cleaning the tambour door cabinet. If in doubt, cleaning agents and utensils must be examined beforehand on non-visible areas. We offer no warranty for any colour and surface alterations caused by improper handling.

Specific surface properties are listed below.

Test (standard, testing method etc.)	Result
Gloss level BS EN ISO 2813, 60° measurement geometry	< 4
Chemical resistance DIN 68861-1 (2011)	1B*
Micro-scratch resistance DIN CEN TS 16611	5
Cross-hatch BS EN ISO 2409 (2013)	GT0
Light fastness/ultraviolet resistance BS EN ISO 4892-2 Method B Sun test with coated quartz glass + window glass at 65 +/-3 °C and relative humidity 50 +/-10%; ISO 105-A02 and ISO 105-A03; blue wool scale for assessing change in colour (ISO 105)	≥ Level 6 Colour deviation of dE = 2.0 is allowed

* If in doubt, the cleaning agent may be tested on a non-visible area. Surfaces altered by such tests, as well as surfaces altered after improper handling/cleaning are not subject to complaint.

02.07 Material properties

Material data sheets can be downloaded from our website at www.rehau.uk. Detailed material data for individual components can be provided on request.

02.08 Environment/ecology

REHAU has introduced an environmental management system compliant with ISO 14001:2004 and applies it accordingly. The ISO 14001:2004 certificate can be downloaded from www.rehau.uk.

02.08.01 Recycling/disposal

Observe locally applicable disposal regulations and guidelines.

02.08.02 Safety data sheets/REACH regulation

The registration and authorisation of chemicals classified by REACH relates only to what are referred to as "substances", i.e. to chemical elements and compounds, not to formulations and manufactured items. REHAU has taken all necessary measures to meet the requirements set out in Regulation (EC) 1907/2006 (REACH).

03 Practical information

03.01 Storage and handling

It is important to ensure that the RAUVOLET noble matt cassette systems in matt look are stored at temperatures between 10 °C and 30 °C. Similarly, storage in direct sunlight or in rooms with permanently high air humidity greater than 50% relative humidity is not permitted.

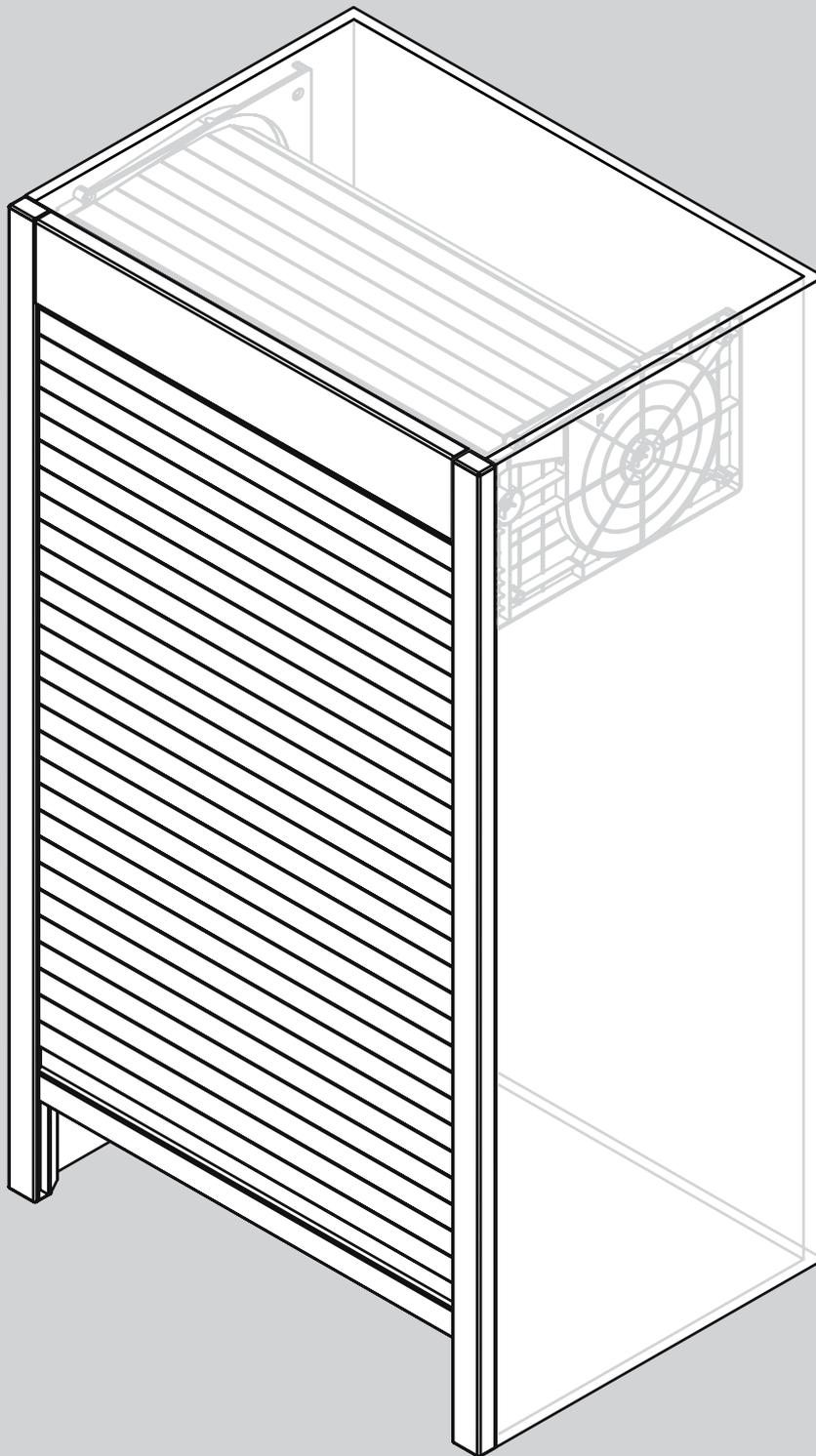
The RAUVOLET noble matt cassette system must be handled in accordance with the specifications of this technical information (also see chapter 01.06 on page 03). Failure to comply with these notes annuls any warranty or guarantee claims.

03.02 Usage and installation information

Before installing the RAUVOLET noble matt tambour door system, we recommend conditioning the entire tambour door system for at least 24 hours in a standard climate. Following acclimatisation, inspect for damage to the system components, for example as a result of improper transportation or storage. Failure to comply jeopardises the intended use and annuls the warranty.

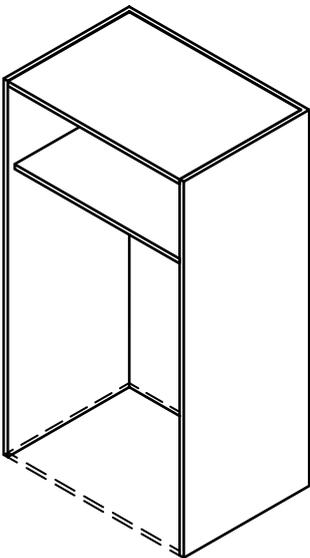
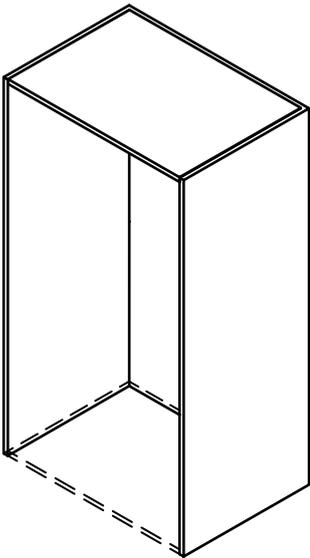
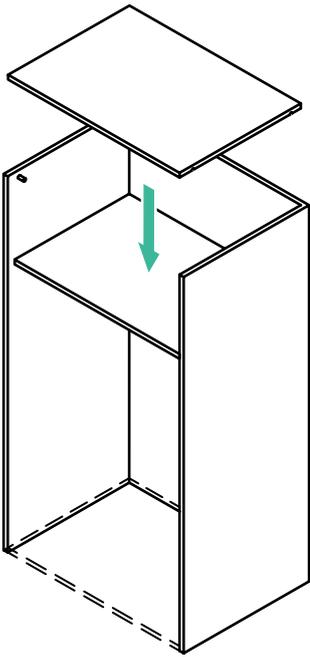
03.03 Installation instructions

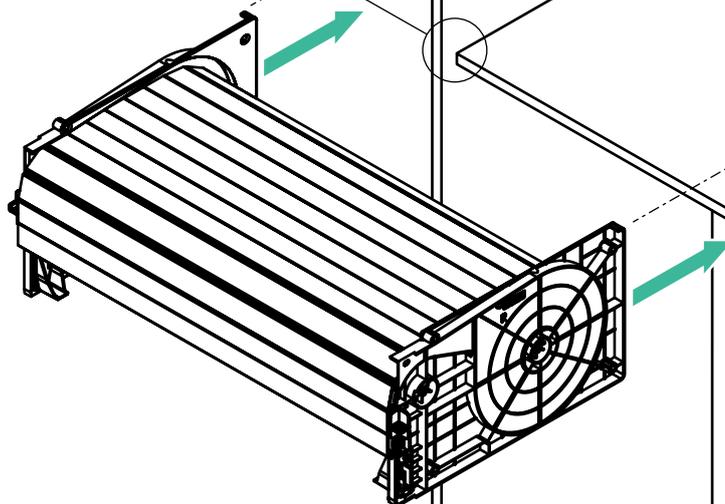
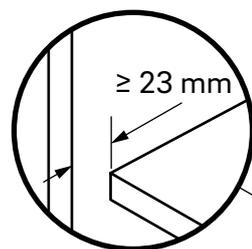
For installation instructions on the K-system C3-Box, see the following pages.



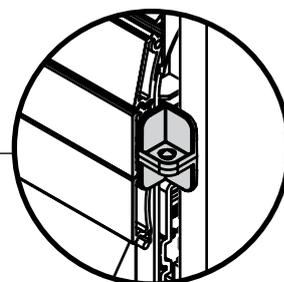
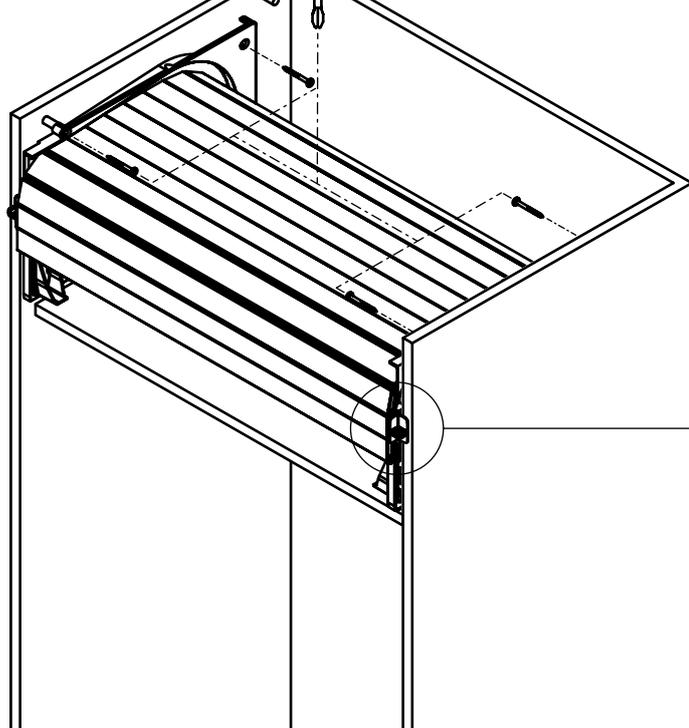
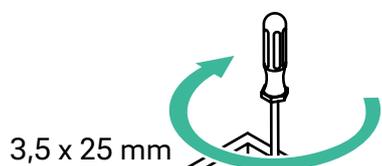
K-system C3-Box

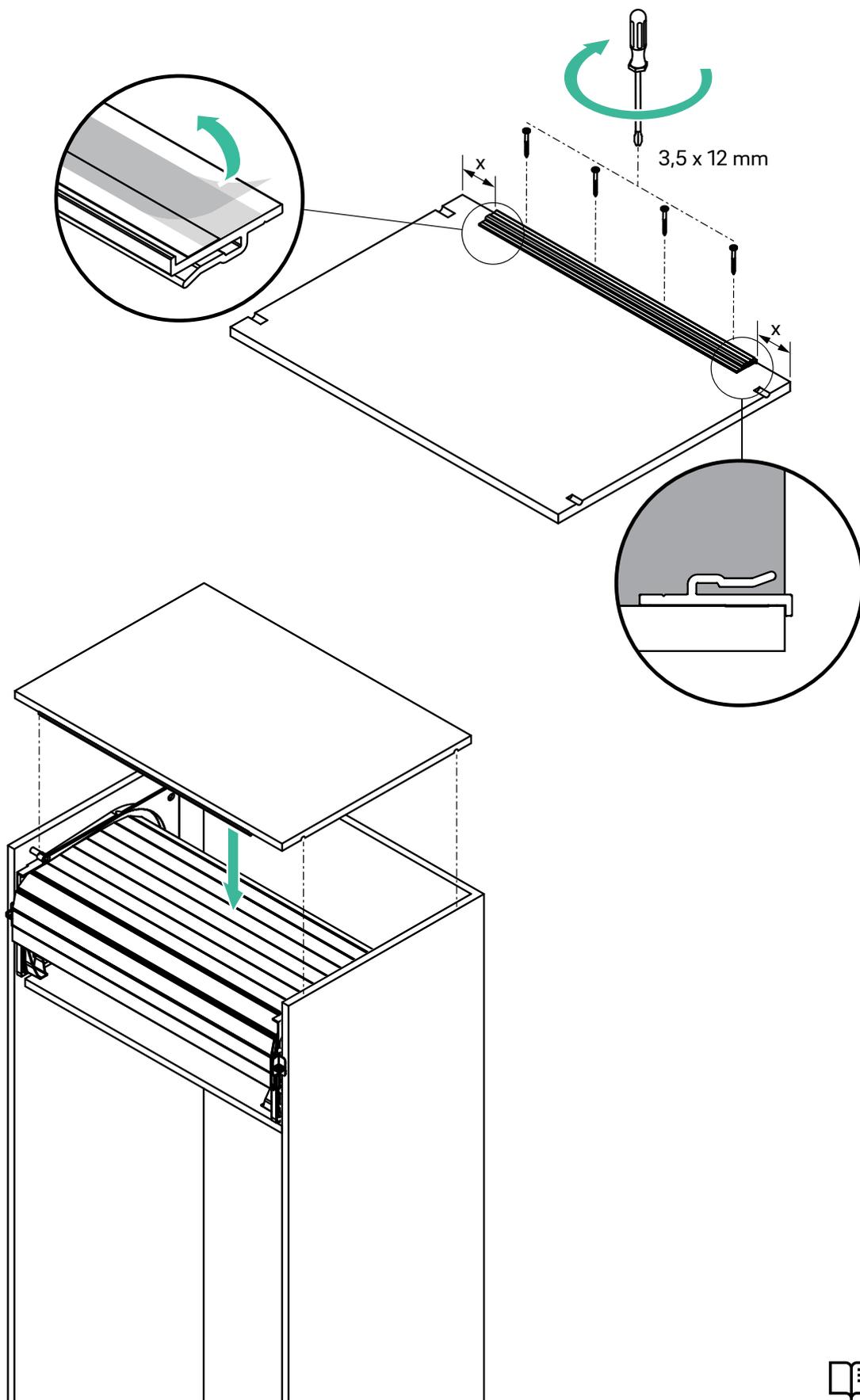
Installation instructions

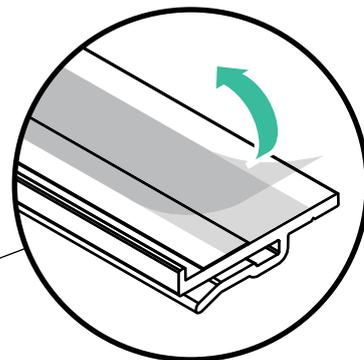
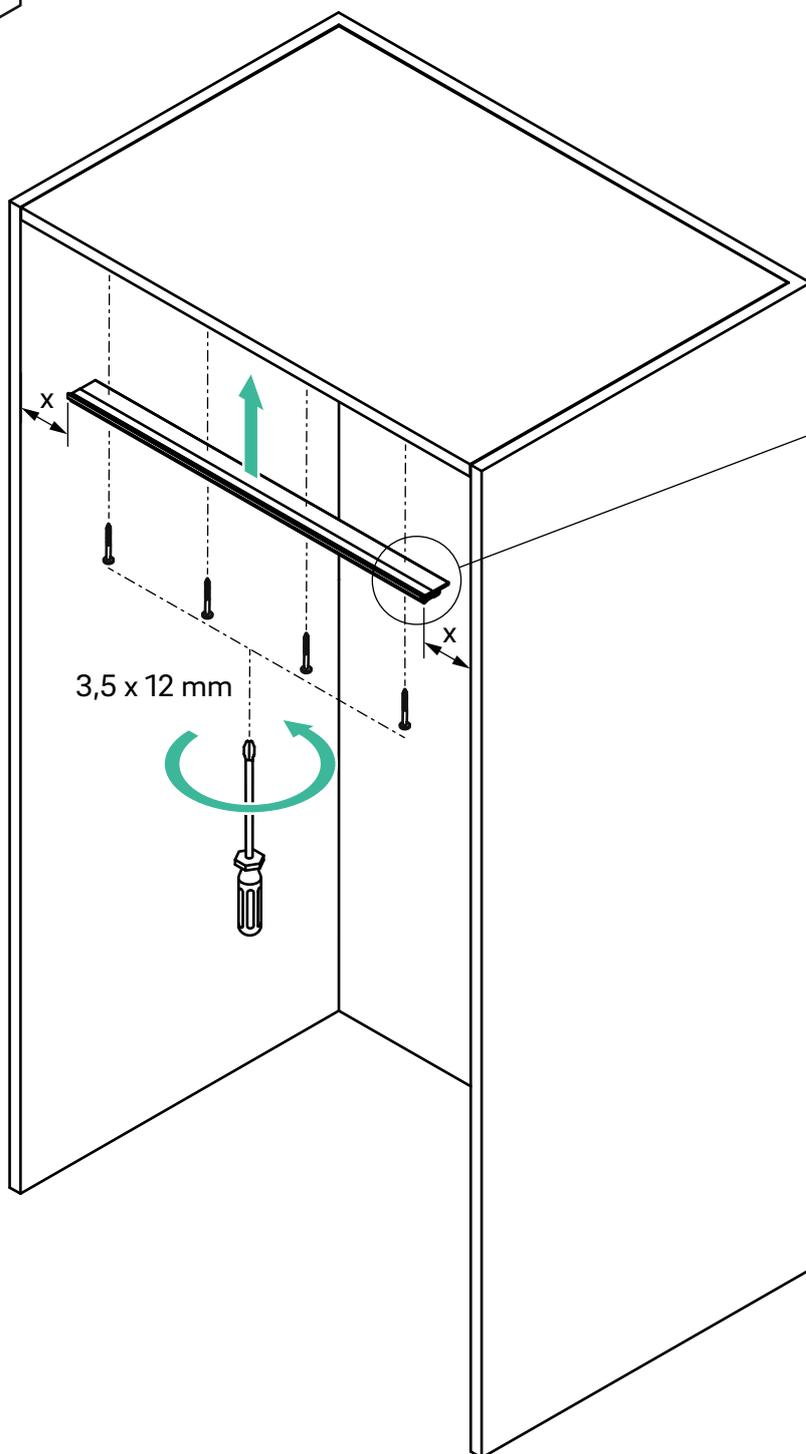
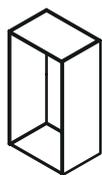


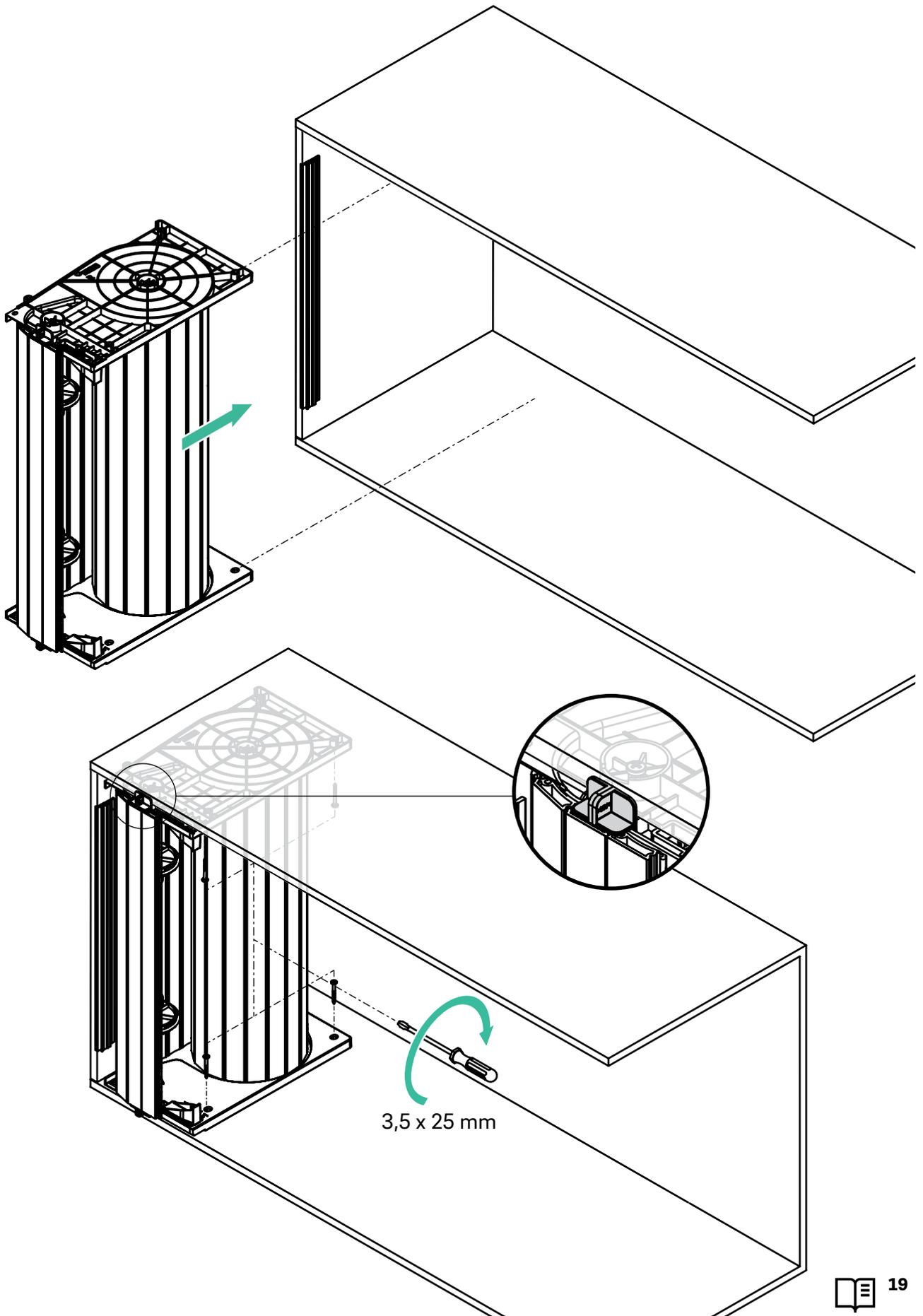


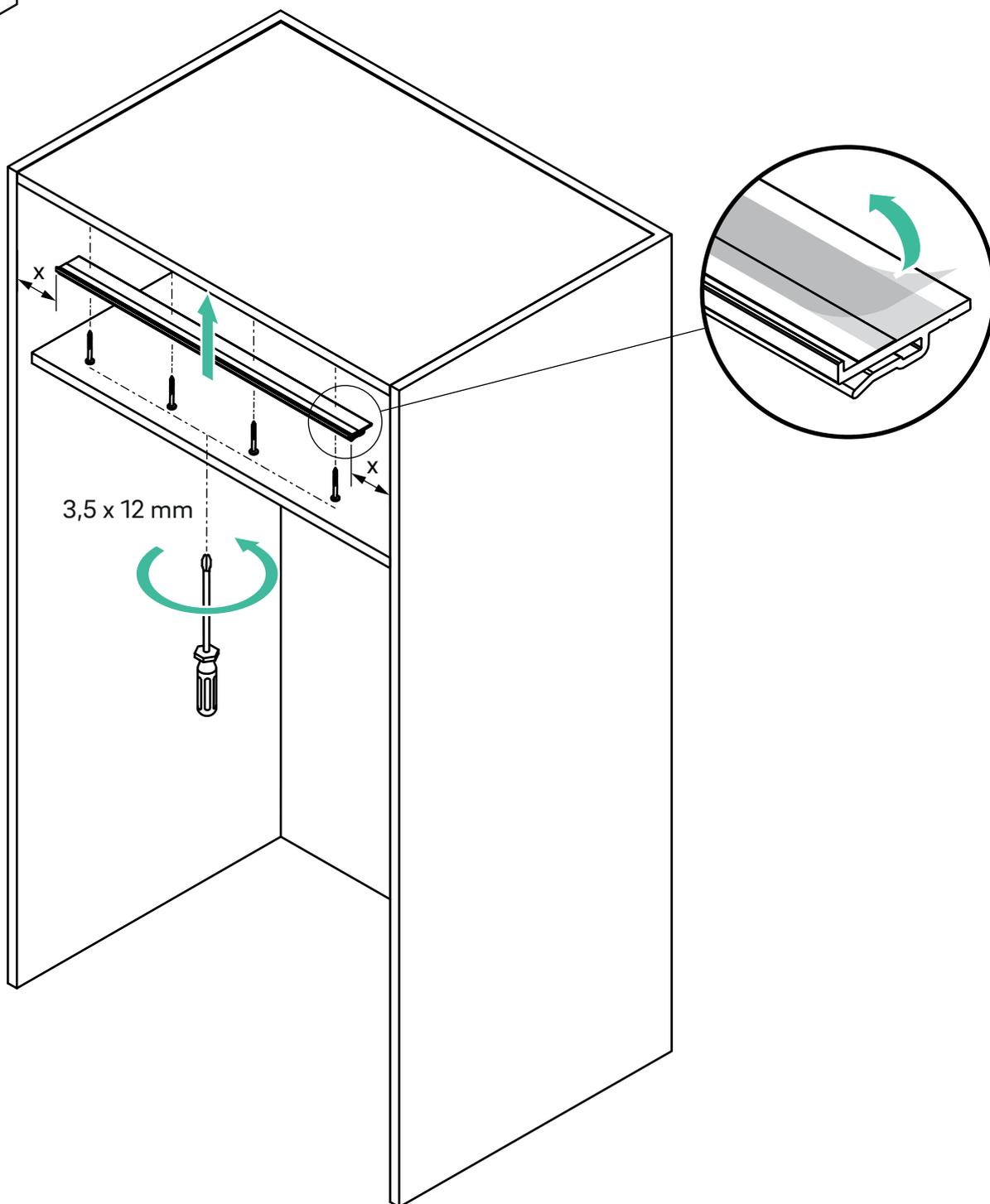
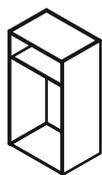
≥ 276 mm

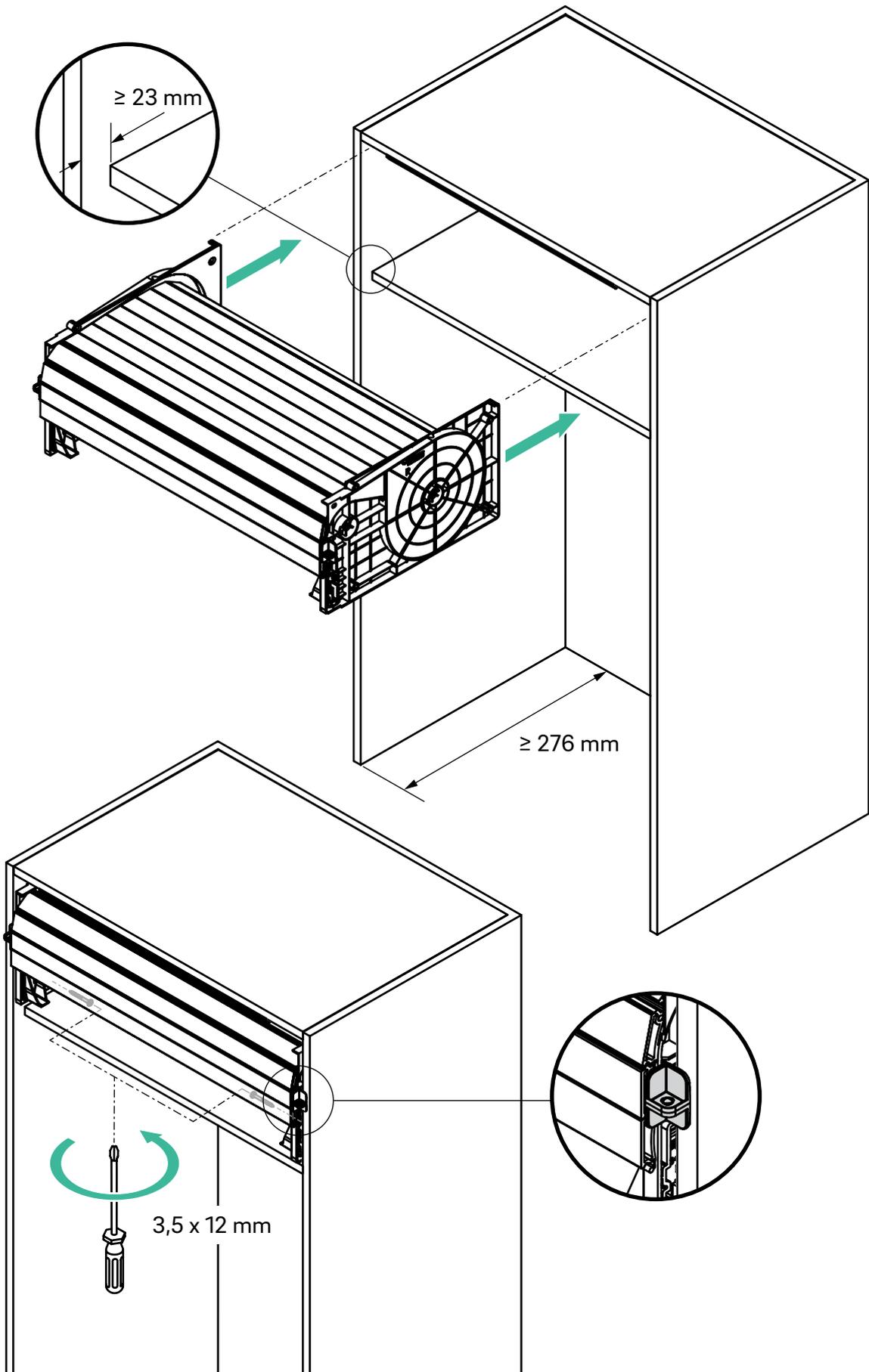


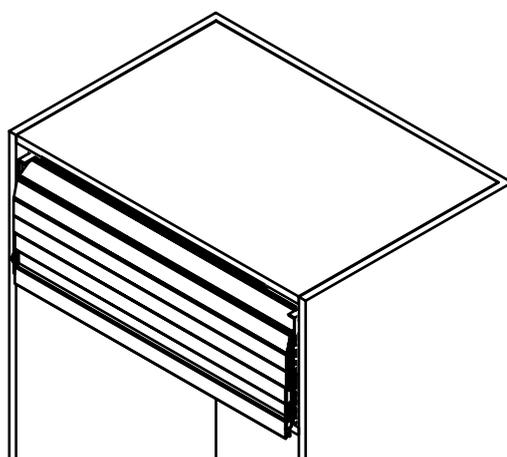
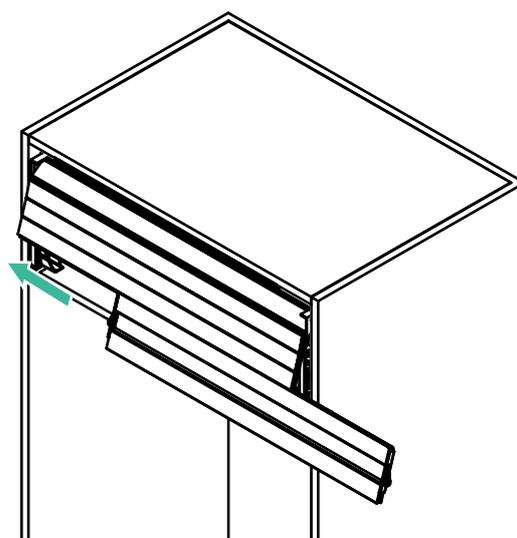
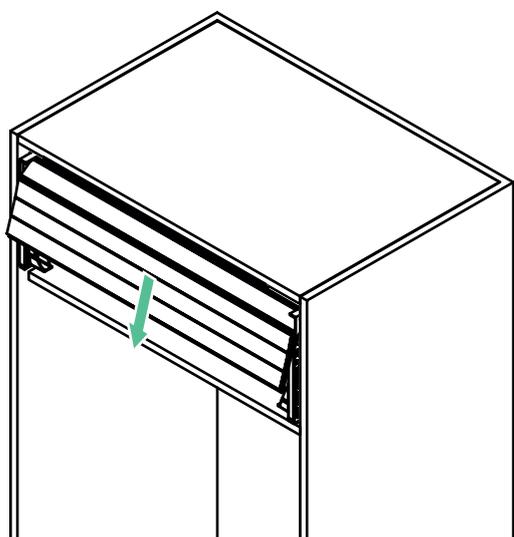
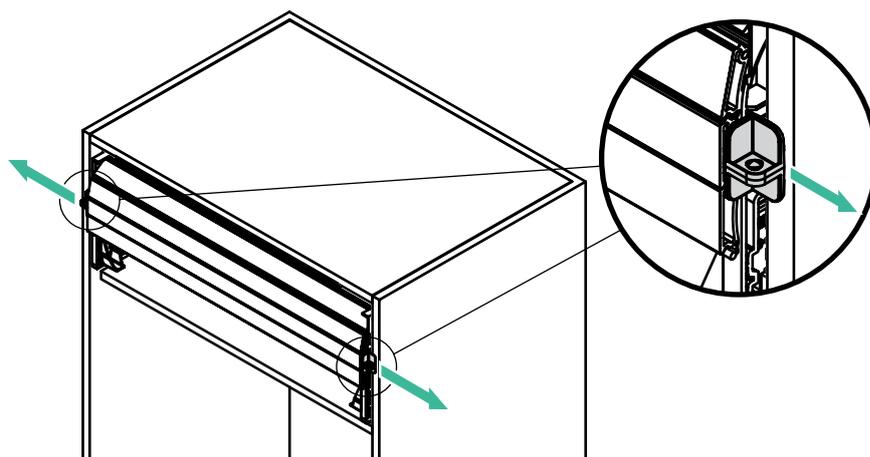


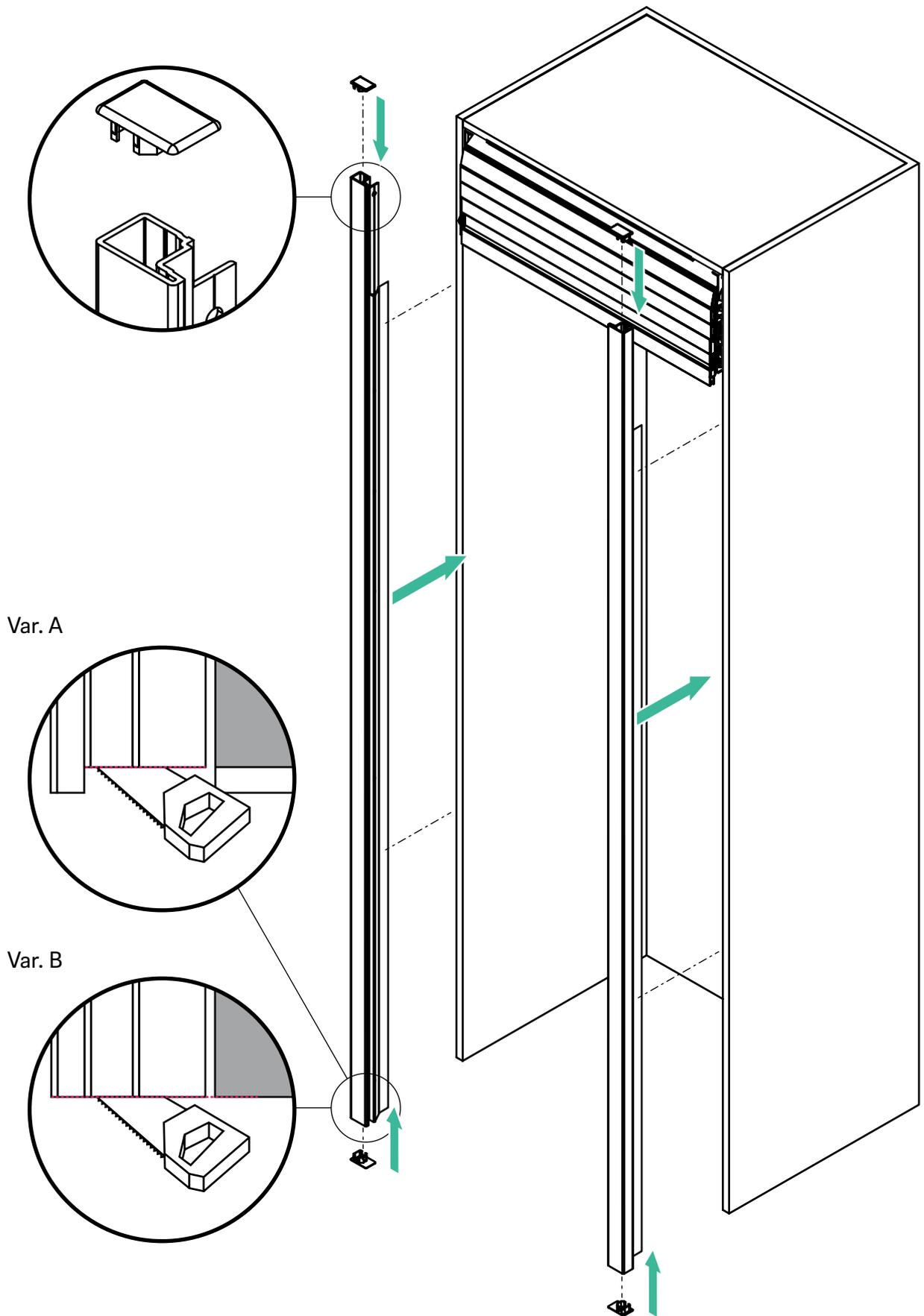


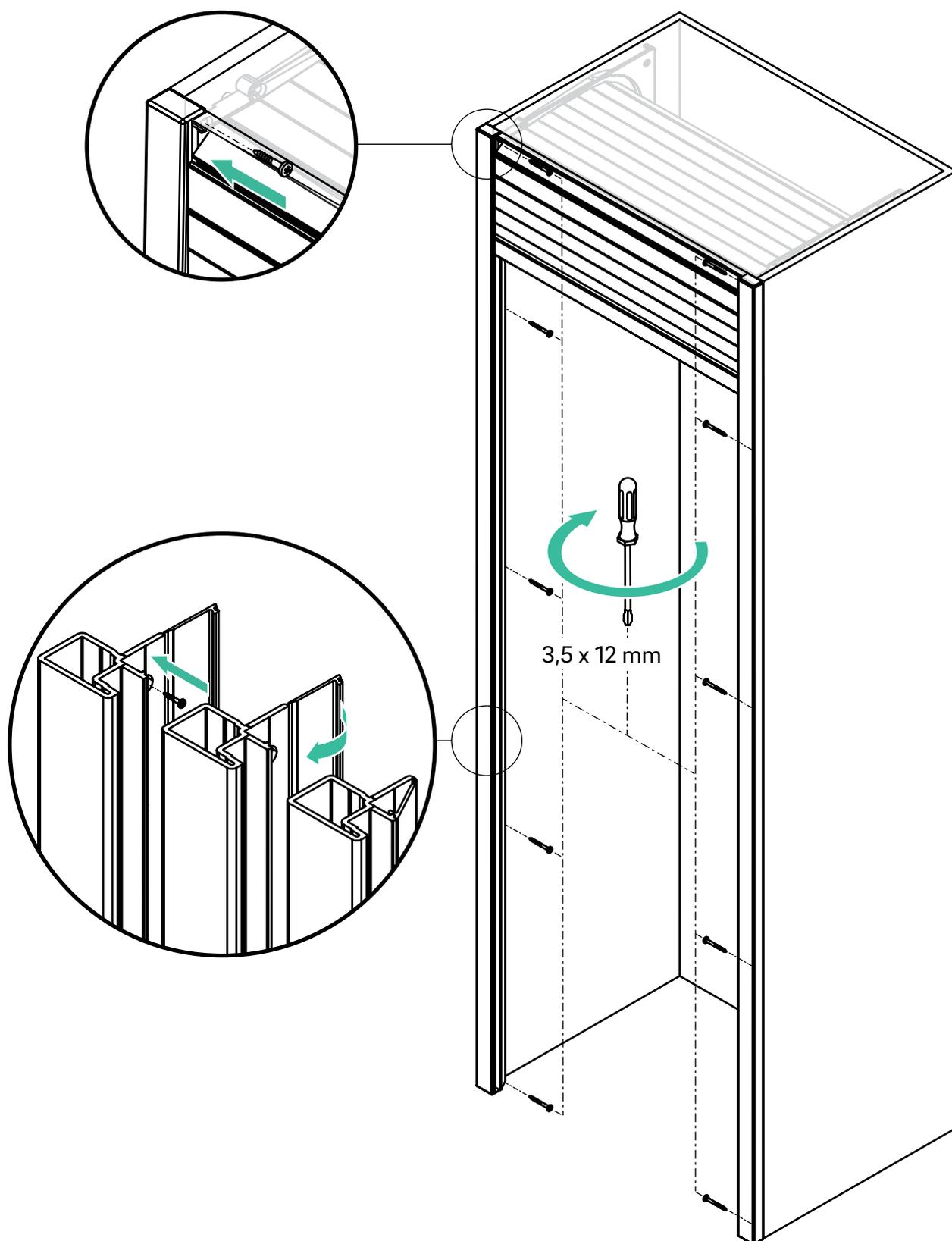


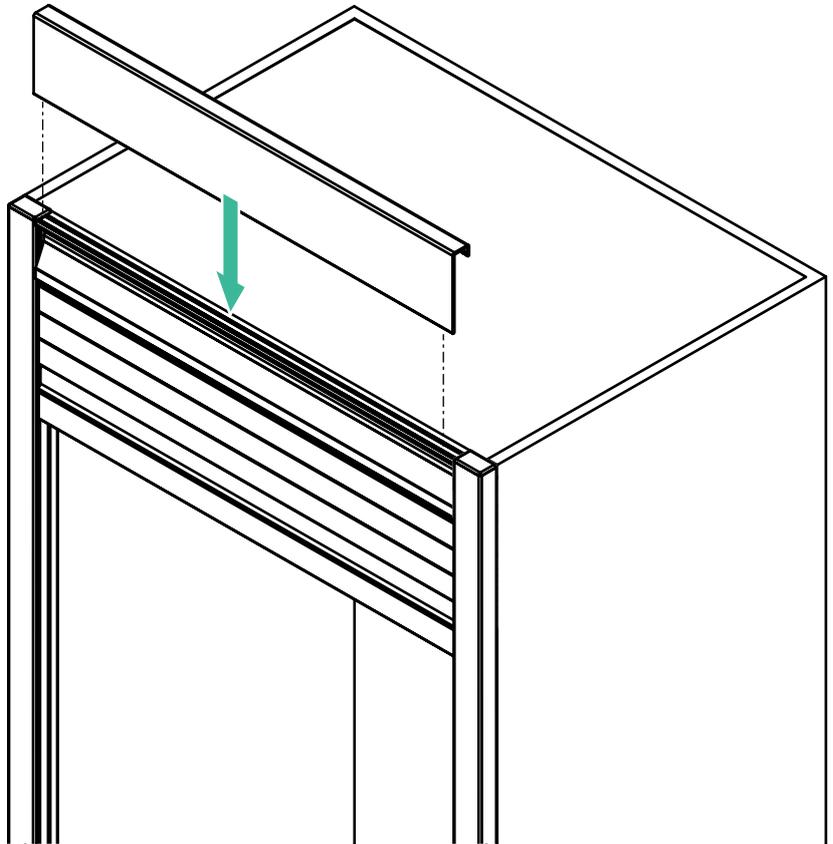
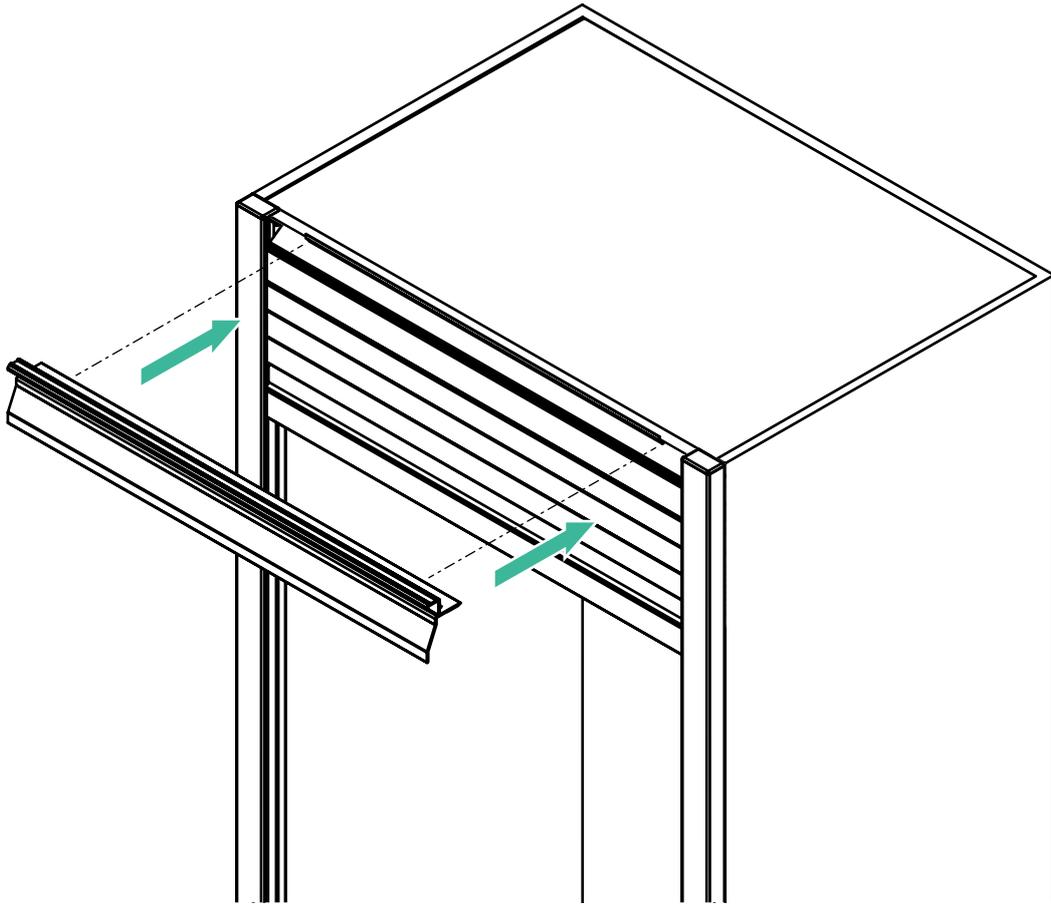


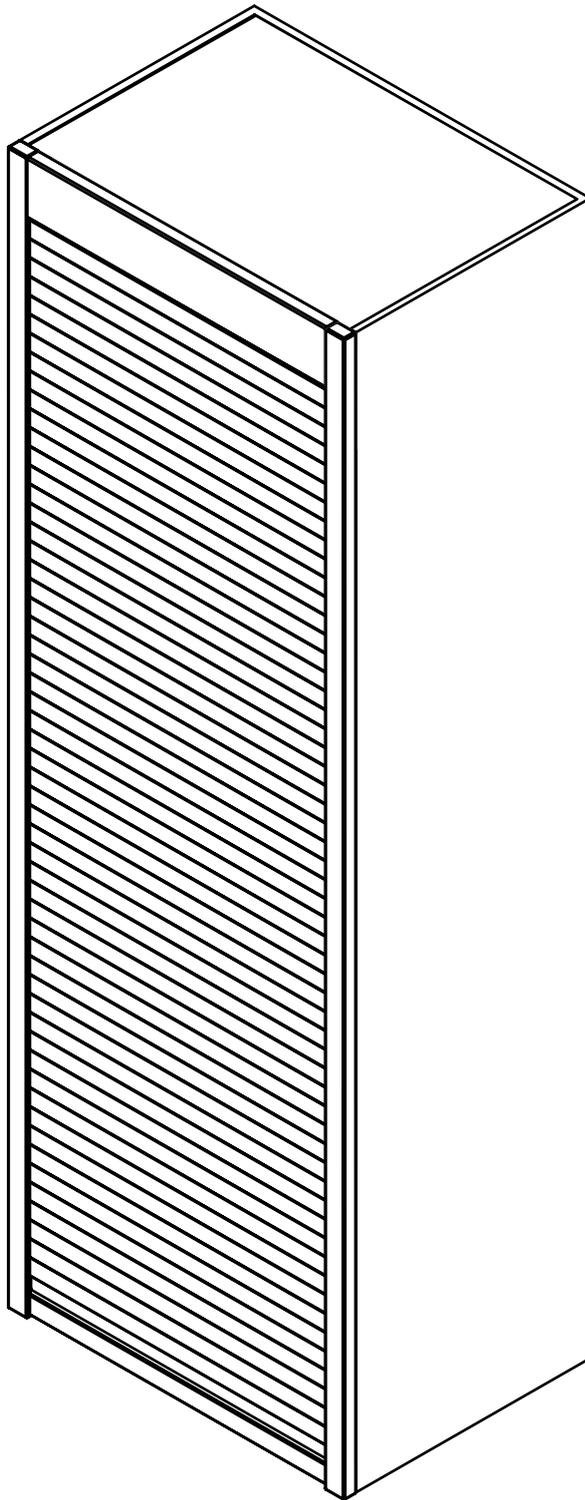










**Safety notice**

According to BS EN 14749, the shutter must be adjusted following final assembly such that it does not move automatically when it is open more than 200 mm from the bottom edge of the cabinet! The cabinet manufacturer is obliged to pass on the aforementioned note to the finisher, fitter and end customer.

03.04 Maintenance and servicing

Depending on the frequency of use, duration of use, environmental conditions and other operating factors such as opening and closing speed, for example, or similar aspects, we recommend that you inspect the track system regularly (for example annually) and clean if necessary .

In individual cases, it may be necessary to readjust the balancing mechanism. As a result of production-related material fluctuations, this effect cannot be ruled out. In this case, please contact your local dealer, fitter or sales office. Servicing work on the balancing mechanism and other activities over and above inspection and lubrication of the guide rail system may only be performed by trained specialist personnel. In the event of non-compliance, REHAU shall suffer no warranty and liability claims. As of this date, the goods are excluded from exchange.

03.05 Care and cleaning tips

The matt surfaces of the RAUVOLET noble matt tambour door cabinet must be treated and cleaned gently during installation and use.

Any exposure of the matt surfaces to hard and/or sharp objects may cause permanent and irreparable damage such as scratches or similar impacts.

Care instructions



Do not use cleaning agents containing solvents



Do not use abrasive cleaning agents, abrasive cleaning cloths and other cleaning aids such as abrasive sponges, etc.



Do not write on roller shutters

03.06 Service life

The service life of the system components is tested intensively on our roller shutter test bench, based on the "Allgemeine Güte- und Prüfbestimmungen für Möbel – Gütesicherung – RAL-GZ 430/2" (General quality and testing regulations for furniture – Quality assurance – RAL-GZ 430/2 – available in German only). The required 40,000 test cycles are met with no anomalies.

However, the prerequisite for trouble-free operation and adherence to the above cycles assumes that the components recommended by REHAU are exclusively employed, the relevant installation instructions and maintenance instructions are complied with and only stable cabinets with parallel and perpendicular side walls, roofs and (if applicable) floors are used.

In special cases you can contract REHAU with the inspection of your cabinet tambour doors.

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Our verbal and written advice with regard to usage is based on years of experience and standardised assumptions and is provided to the best of our knowledge. The intended use of REHAU products is described comprehensively in the technical product information. The latest version can be viewed at www.rehau.com/TI. We have no control over the application, use or processing of the products. Responsibility for these

activities therefore remains entirely with the respective user/processor. Where claims for liability nonetheless arise, they shall be governed exclusively according to our terms and conditions, available at www.rehau.com/conditions, insofar as nothing else has been agreed upon with REHAU in writing. This shall also apply for all warranty claims, with the warranty applying to the consistent quality of our products in accordance with our specifications. Subject to technical changes.

www.rehau.uk

© REHAU Ltd.
Hill Court
Walford
Ross-on-Wye
Herefordshire HR9 5QN

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