



# Measurement aid for windows

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## Do you require assistance?

Our experts will help you to determine the correct dimensions.



By phone at **+49 711 860 60 180** (Mon. - Fri. 8 a.m. - 6 p.m.)



E-mail to [info@neuffer.de](mailto:info@neuffer.de)

## Preparation and material required

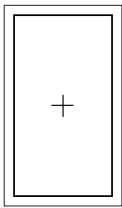
### You will require

- Pocket rule or tape measure
- Paper and pen

### Sketch the window

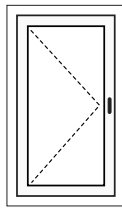
- Sketch the window/balcony door (interior view) on a sheet of paper
- Draw the position of the window handle
- Draw triangles for the opening direction

### Representation of all possible opening directions (interior view)



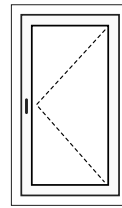
#### Fixed glazing

Window cannot be opened



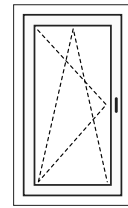
#### Turn left

Window sash turns from right to left



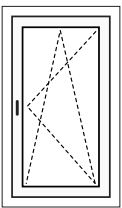
#### Turn right

Window sash turns from left to right



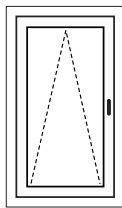
#### Tilt left

Window sash can be turned from right to left and tilted



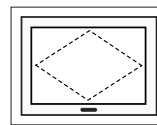
#### Tilt right

Window sash can be turned from right to left and tilted



#### Tilt

Window sash can be tilted



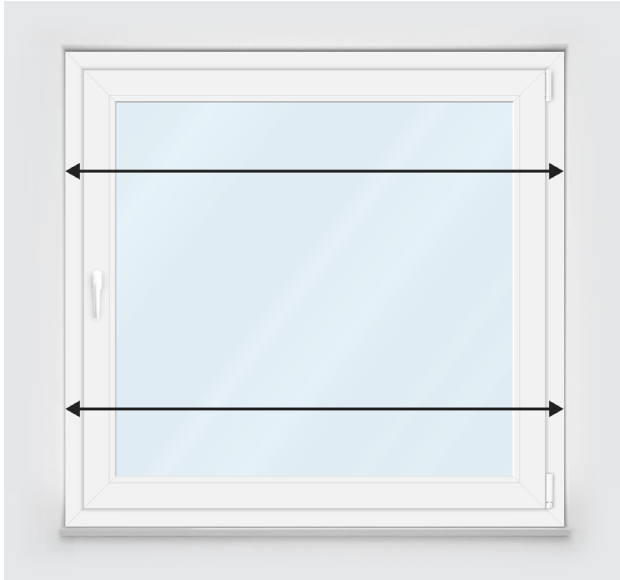
#### Pivot window

Window sash rotates inwards over the horizontal axis of rotation



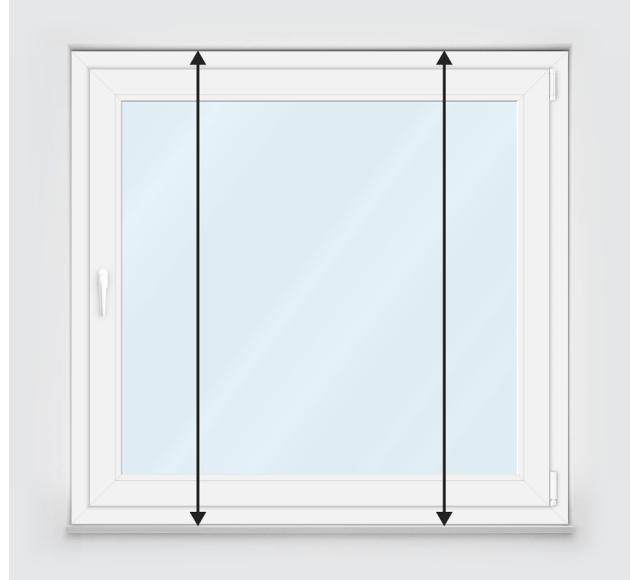
## Measure the window correctly

### Measure width



1. Measure the width of the wall opening (embrasure) in the upper and lower thirds and note the value.
2. Subtract 20 mm (for sealing) from the lower value.
3. The result is the total width of the window to be ordered.

### Measure height



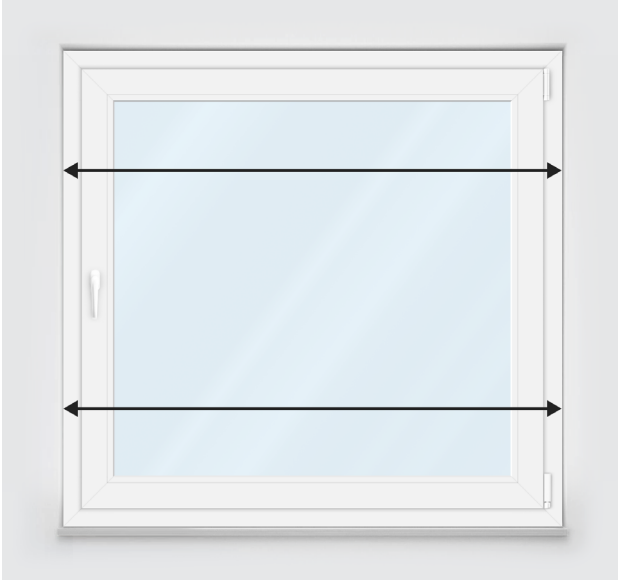
1. Measure the height of the wall opening (from the lintel to the parapet) in the left and right thirds and note the value.
2. Subtract 20 mm (for sealing) from the lower value.
3. The result is the total width of the window to be ordered.

#### Please note

All dimensions include all add-on parts, e.g. frame extensions or roller shutters. All dimensions are measured in millimetres (mm) and are also indicated in the configurator.

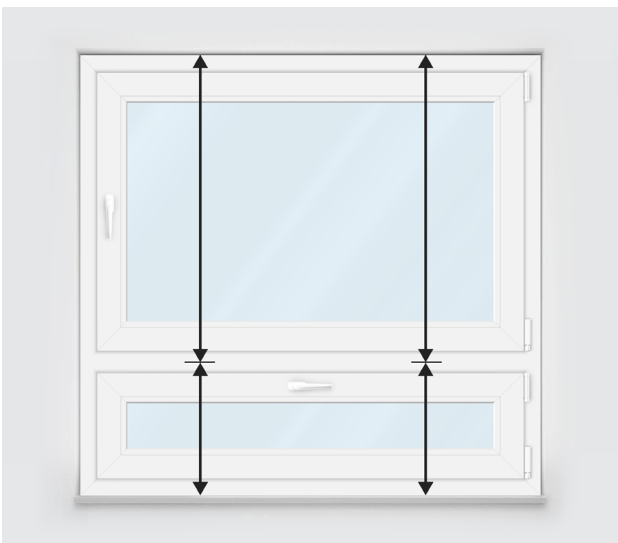
## Correctly measure the window with skylight or sidelight

### Measure width



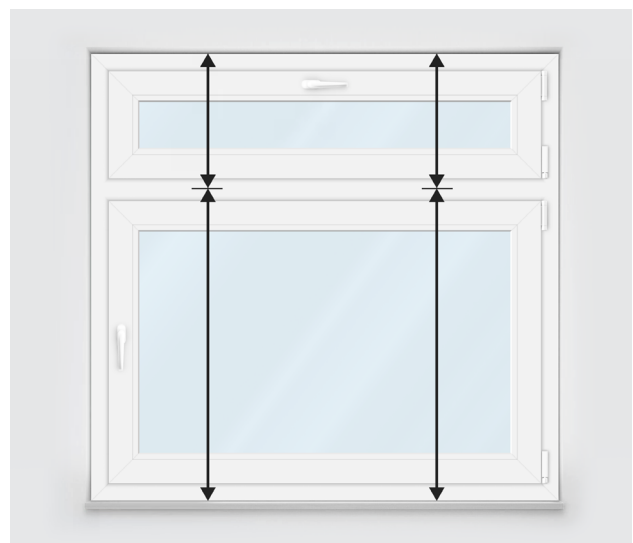
1. Measure the width of the wall opening (embrasure) in the upper and lower thirds and note the value.
2. Subtract 20 mm (for sealing) from the lower value.
3. The result is the total width of the window to be ordered.

### Measure height – skylight



1. Measure from the top edge of the frame (lintel) to the middle of the cross beam.
2. You can specify the height for the skylight individually in the configurator.

### Measure height – Sidelight



1. Measure from the lower edge of the frame (parapet) to the middle of the cross beam.
2. You can specify the height for the skylight individually in the configurator.

#### Please note

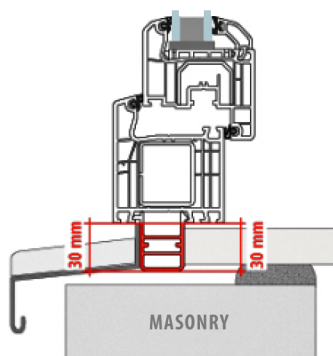
All dimensions include all add-on parts, e.g. frame extensions or roller shutters. All dimensions are measured in millimetres (mm) and are also indicated in the configurator.

## Connection profile for window sill (uPVC window)

**What is a connection profile?** The old building connection profile corrects different heights between the outside window sill and the inside window sill, as they often occur in old buildings. It is, therefore, particularly important for the insulation of the window. For new buildings, the new building connection profile enables a connection of the interior and exterior window sill.

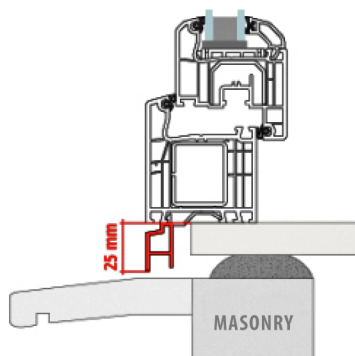
**When do I need a connection profile?** A connection profile is always required if a window sill is to be installed on the inside and/or outside of the window. It provides a watertight seal between the window and the sill.

### Possible connection profiles for new or old builds



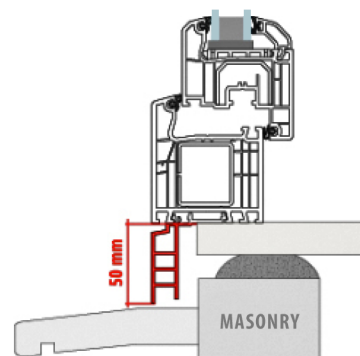
**New build standard**

30 mm connection profile



**Old building**

25 mm connection profile



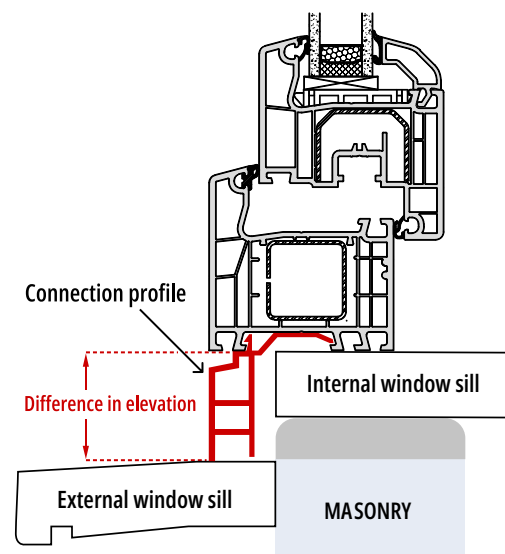
**Old building**

50 mm connection profile

### Old building – How to measure correctly

Determine the difference between the inside window sill and the outside window sill. This is the required height of the connection profile.

If the value is between 25 mm, 50 mm, then select the next larger connection profile. You can cut the height to suit your individual needs.



## Determining the dimensions with front-mounted roller shutters – embrasure mounting

With this type of installation, both the roller shutter box and guide rails are mounted inside the wall opening, i.e. on the upper frame extensions (frame).

### Measure width (see A in schematic)

1. Measure the width of the outer wall opening (embrasure) and note the value. The width of the front-mounted roller shutter corresponds to the window ledge.
2. Subtract 10 mm (for sealing) from the noted value.
3. The result is the total width to be ordered.

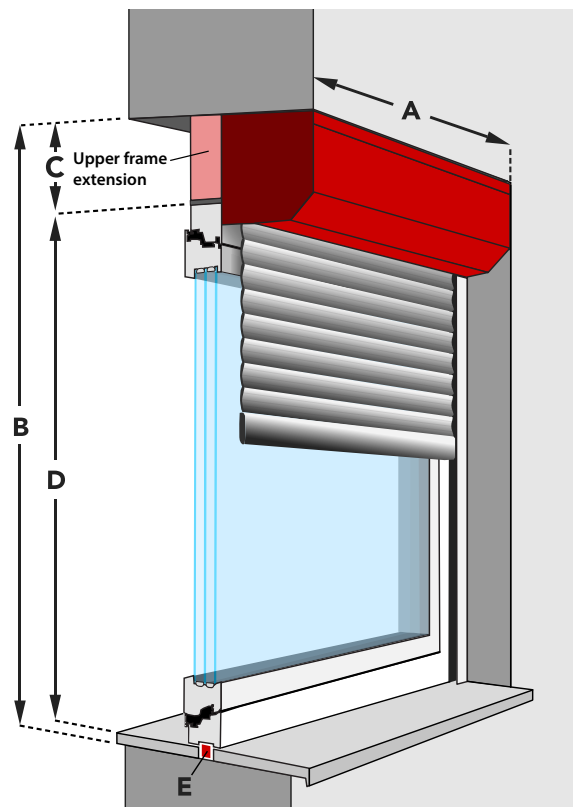
### Measure height (see B in schematic)

1. Measure the height of the wall opening (from the lintel to the parapet) and note the value.
2. Subtract 10 mm (for sealing) from the noted value.
3. The result is the total height to be ordered.

#### Why frame extensions?

The upper frame extension is required so that the roller shutter box does not protrude into the window.

**Info:** The correct height of the top frame extension is automatically added in the window configurator. The height can also be changed individually later in the configurator.



- A** = Total width (-10 mm for sealing)
- B** = Total height (-10 mm for sealing)
- C** = Upper frame extension for mounting
- D** = Window
- E** = Window sill connection profile

## Determining the dimensions with front-mounted roller shutter – Masonry mounting

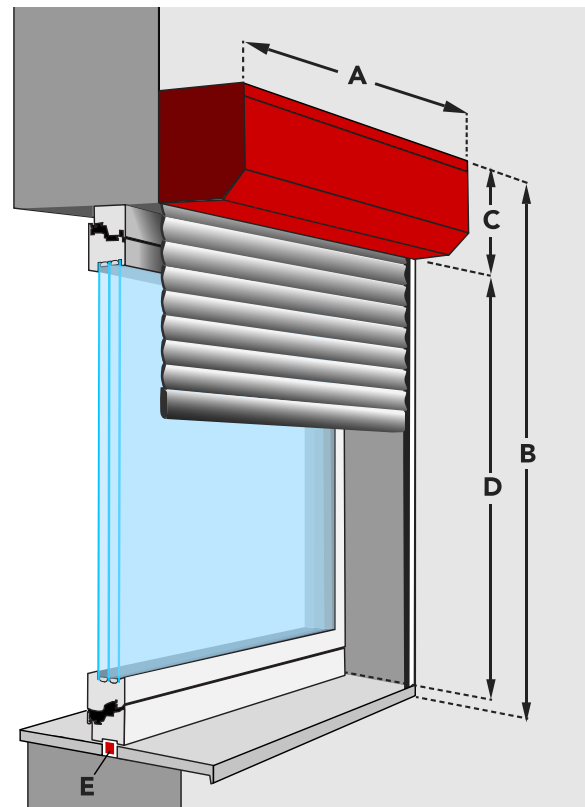
If the roller shutter box is mounted on the outside of the wall above the window opening, this is called masonry mounting. The guide rails are fitted to the right and left of each.

### Measure width (see A in schematic)

1. Measure the width of the embrasure and note the value.
2. Add 2 x 53 mm (for the 2 guide rails)
3. The result is the width to be ordered.

### Measure height (see B in schematic)

1. Measure the height of the embrasure and note the value.
2. Add the height of the box.
3. The result is the height to be ordered.



- A = total width
- B = total height
- C = box height
- D = Window
- E = Window sill connection profile

## Determining the dimensions of the top-mounted roller shutter

### Measure width (see A in schematic)

1. Measure the width of the outer wall opening (embrasure) and note the value. The width of the roller shutters corresponds to the window width.
2. Subtract 10 mm (for sealing) from the noted value.
3. The result is the width to be ordered.

### Measure height (see B in schematic)

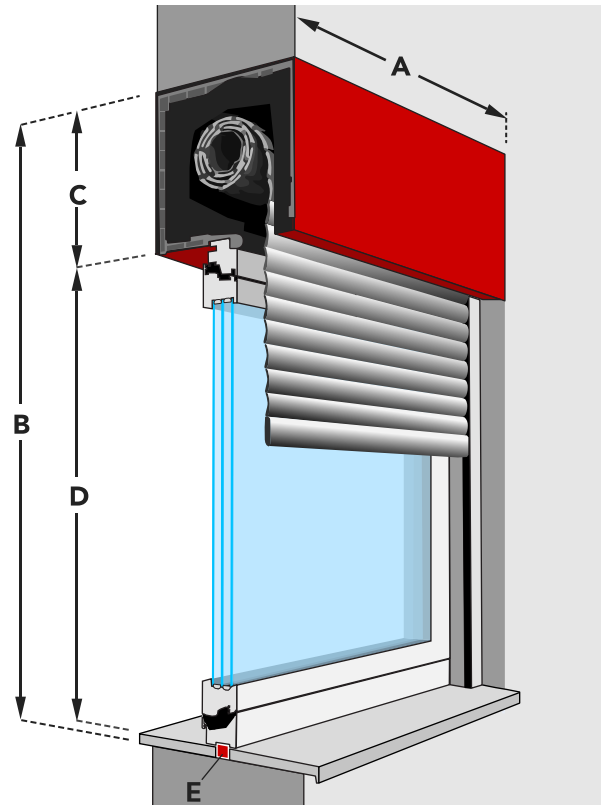
1. Measure the height of the wall opening (from lintel to parapet) and note the value.
2. Add the height of the roller shutter box to the window height. This varies, depending on the window height and is automatically displayed in the configurator.
3. The result is the height to be ordered.

**Info:** The guide rails are always as long as the balcony door, and are flush with the balcony door at the bottom edge.

If you want the rails to be flush with the outside window sill, add the difference dimension. To do this, measure from the bottom edge of the window frame to the top edge of the window sill. In most cases, this dimension is about 30-50 mm.

### Note on the roller shutter dimensions

If you already have a roller shutter box that you want to use, you will most likely need frame extension for your window. Contact customer service to determine the appropriate measurements.

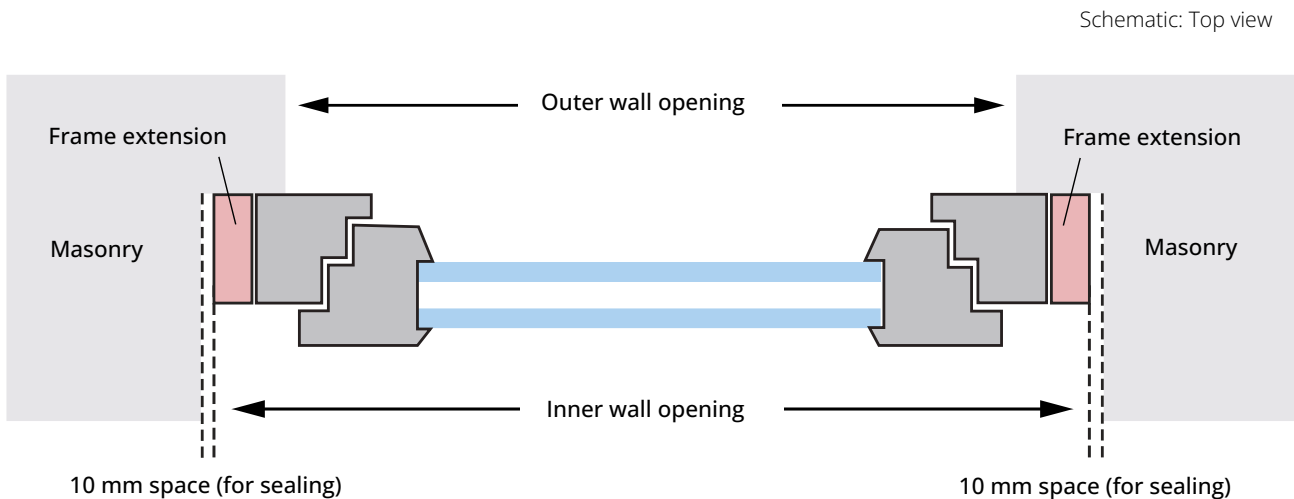


- A** = total width
- B** = total height
- C** = Roller shutter box
- D** = Window
- E** = Window sill connection profile



## Determining the dimensions for windows with inside stop

**What is an inside stop?** With the inner stop, the masonry is wider on the inside than on the outside at the window recess. This means that the window frame is partially covered by the masonry on the outside. To ensure that the profile does not completely disappear into the masonry and can be neatly sealed, the dimensions of the window should be adjusted accordingly by extensions the frame.



### How to measure correctly

1. Measure the inner and outer wall openings and find the difference.

$$\text{Inner} - \text{outer} = \text{Difference}$$

2. Divide the difference by 2 to get the difference per side.

$$\text{Difference} : 2 = \text{Difference per side (frame extensions)}$$

3. If the difference per side is less than 50 mm, your order dimension is the inside width minus 20 mm.

$$\text{Wall opening inside} - 20 \text{ mm} = \text{Your order dimension}$$

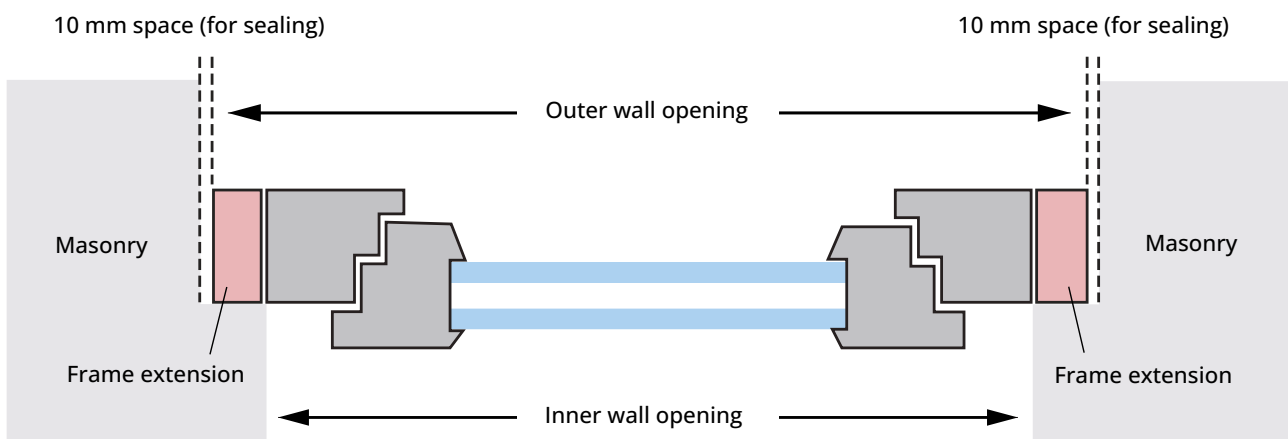
If the difference per side is greater than 50 mm, we recommend ordering windows with frame extension.

#### Info on frame extensions

You can order frame extension in step 2 of the configurator.

## Determining the dimensions for windows with external stop

**What is an external stop?** With the external stop, the masonry is wider on the outside than on the inside at the window recess. This means that the window frame is partially covered by the masonry on the inside. To ensure that the profile does not completely disappear into the masonry and can be neatly sealed, the dimensions of the window should be adjusted accordingly.



Schematic: Top view

### How to measure correctly

1. Measure the outer and inner wall openings and find the difference.

$$\text{Outer wall opening} - \text{inner wall opening} = \text{Difference}$$

2. Divide the difference by 2 to get the difference per side.

$$\text{Difference} : 2 = \text{Difference per side (frame extensions)}$$

3. Subtract 20 mm from the outer wall opening (outer width) for sealing, this will give you your order dimension.

$$\text{Wall opening inside} - 20 \text{ mm} = \text{Your order dimension}$$

#### Info on frame extensions

The difference determined should always be compensated with frame extension. The frame extension can be ordered in step 2 of the configurator.

## Determining the dimensions with frame extensions

Frame extensions is needed when a difference between two dimensions, e.g. external and internal dimension, has to be bridged.

It is also used to attach a front-mounted roller shutter without it protruding into the window glass.

Given that the required dimensions for frame extensions depend to a significant extent on the respective application, it is difficult to document the exact calculation. We will be happy to assist you in determining the correct extensions.

### Do you require assistance?

Our experts will help you to determine the correct dimensions.



By phone at **+49 711 860 60 180** (Mon. - Fri. 8 a.m. - 6 p.m.)



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