

# Roll-up grille 1.30

## Decorative air outlets for infloor convectors

### Mounting instructions · shortening and repairing

You have bought a technically high-quality, decorative and extremely durable product with Kampmann roll-up grilles.

#### Correct use

Kampmann roll-up grilles are designed as walk-on trench covers solely for use indoors; do not use them in wet rooms, such as swimming pools, or outdoors. Protect the product from moisture and dirt during construction.

**Important!** Cement destroys the surface of the grille! Check the use with the manufacturer in case of any doubt. Any use other than the use specified above is deemed not to be correct and proper. Correct use is deemed to include observing the installation instructions described in these instructions. The manufacturer shall not be responsible for damage resulting from incorrect use and for damage caused by improper installation.



Tools required

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- 1 Wire cutter
- 2 Phillips-head screwdriver
- 3 Clamping pliers (locking)

Use surface protection, possibly cardboard, to prevent scratches to the grille or floor.

#### Important installation information

Note the instructions for fitting the grilles in the trench before making any changes (see Figure 1)!

#### Important!

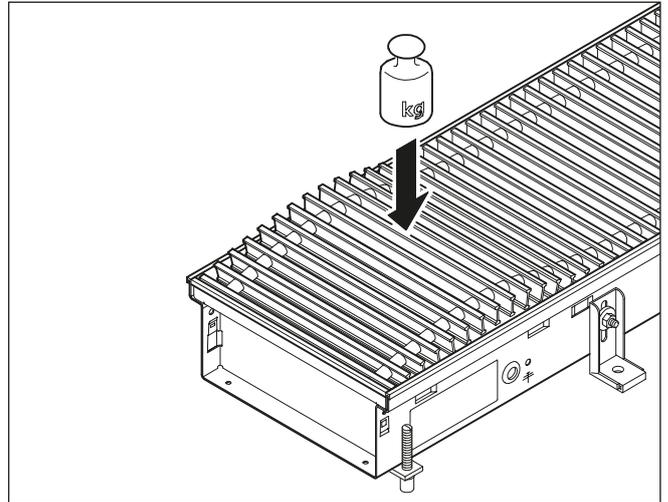
Do not prematurely remove the countersunk head screws at the ends of the grille! The bars and spacers are fitted on a loaded spring. If the screws are prematurely removed, the spring will snap back and the grille will fall apart.

The following describes how to shorten a roll-up grille by two bars and how to extend it with bars or spacers. These assembly operations can be performed by one person, although the assistance of a second person can be advantageous, particularly with wider grilles.

#### Important!

#### Before a shortening your grille

The grille length can appear longer when it has been unrolled and adapts to its correct length when positioned!



**Fig. 1:** Separately packaged roll-up grilles, as is the case when using installation covers to protect the trenches from dirt, are rolled up in the factory. The grille can become slightly over-long due to the steel springs extending. Unrolling the grille and laying it flat for a few hours can help to return the grille to its original length. Laying the grille flat, as shown above, moving it up and down and, if necessary, holding it down with weights, makes it easier to fit the grille into the frame.

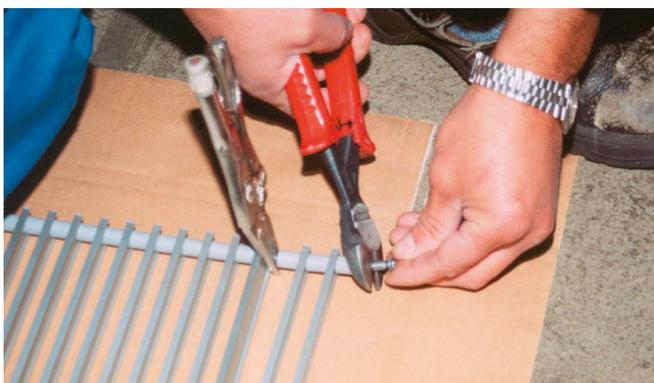
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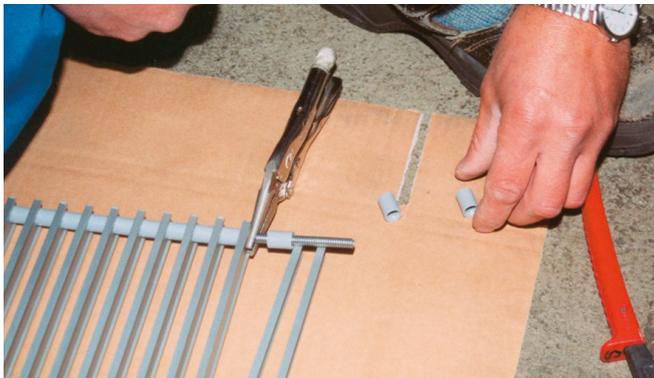
### Mounting instructions · shortening and repairing



Step 1: Hold the spring



Step 2: Remove the screw



Step 3: Remove bars and spacers



Step 4: Shorten the spring

### Shortening or repairing the roll-up grille

#### Step 1:

##### Clamping the spring

Extend one of the springs in the grille by pulling apart the roll-up grille at the point where it is to be shortened or repaired between the bar and the spacer.

Use locking pliers on the spring to fix the clamping range. Then position the locking pliers on the spring behind the section of grille to be removed. This prevents the spring in the grille from slackening. The spring in the section of grille to be removed slackens and the countersunk head screw protrudes.

**Important!** Assistance from a second person is useful with three or more springs. If the work is carried out by a single person, we recommend clamping two (or more) springs simultaneously in this way. All springs can also be clamped in a single operation before proceeding as follows.

#### Step 2:

##### Only when shortening the grille

Use wire cutters to cut the protruding section of spring with the visible countersunk head screw.

Unscrew the countersunk head screw from the cut section of spring.

With repairs (replacement of bars): unscrew the countersunk head screw from the end of the grille.

#### Step 3:

##### Removing bars and spacers

The bars and spacers to be removed can now be removed from the spring. The grille can end with a bar or a spacer.

#### Step 4:

##### Only when shortening the grille

Use wire cutters to cut the spring approx. 2 cm in front of the final spacers.

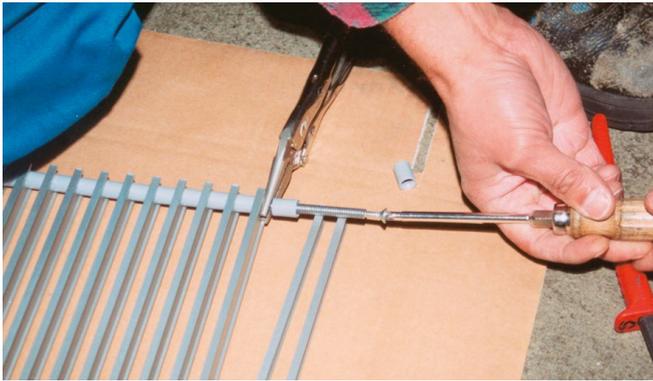
With repairs (replacement of bars): place a replacement bar on the spring in place of the faulty bar.

Then replace the remaining correct bars on the spring.

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Step 5: Tighten the screw in the spring



Step 6: Shorten the remaining springs of the grille



Shortened grille

#### Step 5:

Tightening the screw in the spring

Screw the countersunk head screw into the spring of the now shortened/repared grille.

**Important!** Keep the bars under tension when loosening the locking pliers! The spring will suddenly spring back! Remove the locking pliers.

#### Step 6:

Shorten the remaining spring(s) of the grille

Follow steps 1-5 with the remaining spring(s) as well if you have not dealt with all springs at once (see Step 1).

### Lengthening the roll-up grille

The roll-up grille can be lengthened in two ways:

1. Lengthen the roll-up grille by adding bars
2. Lengthen the roll-up grille by adding spacer washers

#### Lengthening by adding bars

##### Step 1:

Clamping the spring

Extend the spring of the grille between the last bar at the end of the grille and the spacer by approx. 5 cm. Use locking pliers on the spring to fix the clamping range.

Place the locking pliers on the spring.

**Important!** Assistance from a second person is useful with three or more springs. If the work is carried out by a single person, we recommend clamping two (or more) springs simultaneously in this way. All springs can also be clamped in a single operation before proceeding as follows.

##### Step 2:

Removing the screw, adding bars

Unscrew the countersunk head screws at the clamped end of the grille. Depending on how you wish to proceed, either add bars, or bars and spacers, to the spring.

##### Step 3:

Refitting the screw

Screw in the countersunk head screw at the end of the grille.

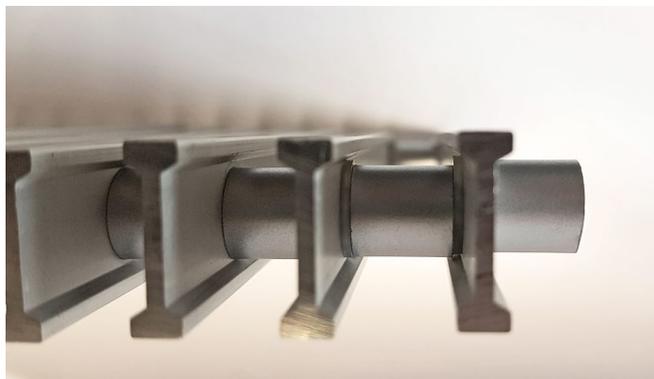
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Spacer washers on one side of the spacer



Spacer washers on both sides of the spacer

### Lengthening using spacer washers

The grille is predominantly lengthened using spacer washers if the increase in the length of the grille is only minimal. The spacer washers have a thickness of 1.0 mm. If necessary, several spacer washers may be needed.

Practically, the spacer washers should be placed on the spacers at the end of the grille. The spacer washers can be placed on one side or on both sides of the spacers.

#### Step 1:

Clamping the spring

Extend one spring of the grille, preferably between the last and penultimate bar at the end of the grille and the spacer by approx. 5 cm. Use locking pliers on the spring to fix the clamping range. Place the locking pliers on the spring.

**Important!** Assistance from a second person is useful with three or more springs. If the work is carried out by a single person, we recommend clamping two (or more) springs simultaneously in this way. All springs can also be clamped in a single operation before proceeding as follows.

#### Step 2:

Removing the screw, adding spacer washers

Unscrew the countersunk head screws at the clamped end of the grille. Depending on the additional length required, add the spacer washers to the spacers on the spring.

#### Step 3:

Refitting the screw

Screw in the countersunk head screw at the end of the grille.

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