

## Decorative air outlets for infloor convectors

### Mounting instructions · shortening and repairing

Having bought Kampmann roll-up grilles, you have acquired a high-quality, decorative and very long-lived technical product.

#### Correct and proper use

Kampmann roll-up grilles are to be used as outlet grilles for infloor trenches and ducts. They are strong enough to be walked on and are for indoor use only. Do not use in wet areas, such as swimming pools or outdoor areas. The products shall have to be protected against moisture and soiling during installation.

#### Attention!

Cement destroys the grille surface!

If in doubt, contact the manufacturer.

Damage resulting from incorrect or improper use is the sole responsibility of the user and is not covered by the manufacturer's guarantee. The information included in this manual relating to safety, operation, service and maintenance should also be adhered to.

Damage resulting from improper installation is the sole responsibility of the user.

#### Important notes for installation !

It is imperative that you observe the notes on fitting the grilles in the trench before you carry out any modifications (cf. Fig. 1) !

#### Caution !

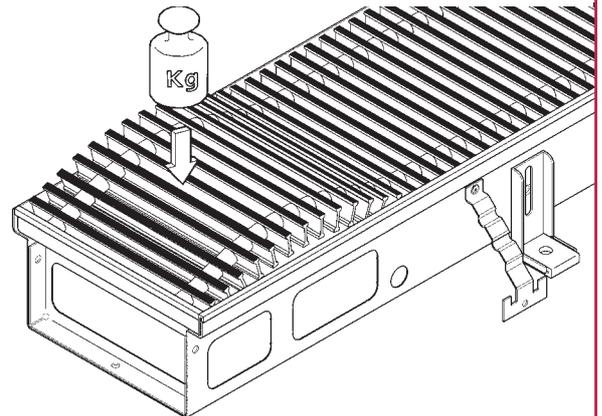
By no means remove the countersunk screws at the ends of the grille rashly ! The bars and spacers have been fitted on a tensioned spring. If the screws are removed prematurely, the spring will snap back and the grille will fall apart.

As an example, please find below the description of how a roll-up grille is shortened by two bars, is extended, and a bar is replaced. These mounting processes can be carried out by one person; the help of a second person may be advantageous, in particular in case of wide grilles.

#### Caution !

Please observe prior to shortening your grille:

Directly after unrolling the length of the grille may be extended, which however will return to the real size after laying.



**Fig. 1:** Separately packed grilles, when using installation covers as protection against dirt, for example, are rolled up for delivery. The springs may become stretched during transportation and grilles may initially appear too long. By laying grille flat for several hours it will return to its original length. Laying grille into trench as shown above will facilitate fitting.



Tools required

#### Tools required

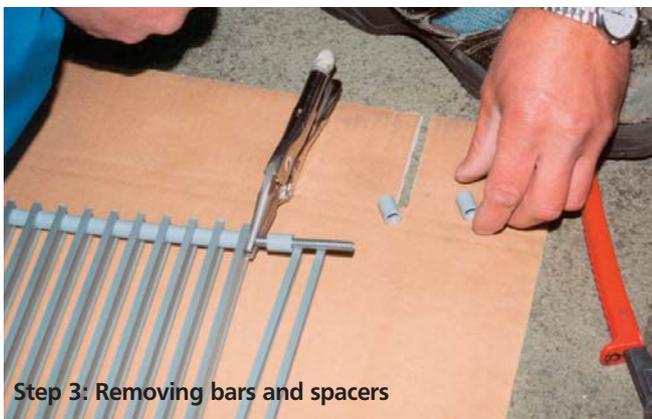
- 1 cutting pliers
- 2 cross-recessed screwdrivers
- 3 vice-grip wrench

In order to prevent any scratches on the grille or on the floor, an underlay should be used, such as cardboard.

## 1.30 Roll-up grilles

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### 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 between bar and spacer at the position to be shortened / repaired.

Adjust the clamping capacity of the vice-grip wrench to the spring. Then place a vice-grip wrench on the spring behind the piece of grille to be removed. In this way the relief of the spring in the grille is prevented. However, the spring in the piece of grille to be removed is relieved and the countersunk screw comes up.

**Caution !** In case of three or more springs, the help of a second person is advantageous. If the work is carried out by one person, it is advisable to clamp two (or more) springs in this way at the same time. All clamps can be removed in one process, and the springs can be treated as follows.

#### Step 2:

##### Shortening the grille only:

Use the vice-grip wrench to prize off the protruding piece of spring with the visible countersunk screw.

Remove the countersunk screw from the piece of spring cut off.

##### Repairing only (replacement of bars):

Unscrew the countersunk screw at the end of the grille.

#### Step 3:

##### Removing bars and spacers

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

#### Step 4:

##### Shortening the grille only:

Use the vice-grip wrench to prize off the spring corresponding to the length to be shortened approx. 20 mm before the end spacer.

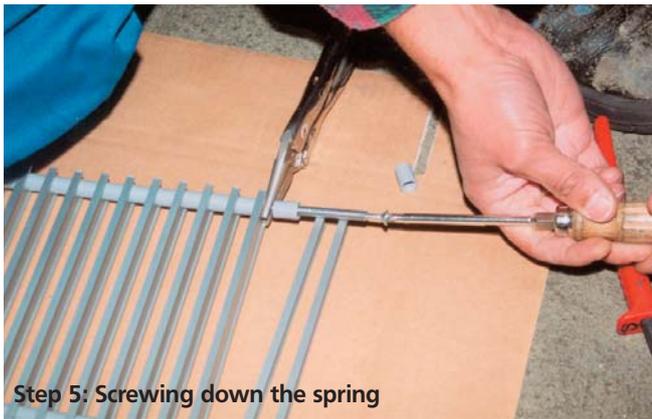
##### Repairing only (replacement of bars):

Attach a spare bar to the spring at the position of the defective bar.

Subsequently replace the other intact bars on the spring again.

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### Mounting instructions · shortening and repairing · extending



Step 5: Screwing down the spring



Step 6: Shortening the remaining springs of the grille



Shortened grille

#### Step 5:

##### Screwing down the spring

Screw the countersunk screw down into the spring of the grille which has been shortened / repaired.

**Caution! When undoing the vice-grip wrench, hold the bars tensioned! The spring will release the tension abruptly!**

Undo the vice-grip wrench.

#### Step 6:

##### Shortening the remaining spring(s) of the grille

Carry out steps 1 to 5 on the remaining spring(s), even if you have not handled all springs in one process (see step 1).

### Extending the roll-up grille:

#### Step 1:

##### Clamping the spring

Extend a spring of the grille between the last bar at the end of the grille and the spacer by approx. 50 mm. Adjust the clamping capacity of the vice-grip wrench to the spring. Place a vice-grip wrench on the spring.

**Caution!** In case of three or more springs, the help of a second person is advantageous. If the work is carried out by one person, it is advisable to clamp two (or more) springs in this way at the same time. All clamps can be removed in one process, and the springs can be treated as follows.

#### Step 2:

##### Removing the screw, adding bars

Unscrew the countersunk screw at the squeezed off end of the grille. Attach bars and spacers in turn onto the spring according to extension required

#### Step 3:

##### Attaching the screw

Fasten in the countersunk screw at the end of the grille.



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