excellent systems as

# INSTRUCTIONS

FOR THE EXCELLENT RAMP SYSTEM

CONTENT

RAMPS AND TILES

The Excellent ramp system consists of a number of different products. All the products fit ogether and can be combined to build ramps, platforms, floors etc. The system is easily assembled with a number of locks and can always be disassembled and rebuild into different shapes and sizes.

If you are building the ramp in advance, do not mount the two upper layers. This will make the fitting much easie .
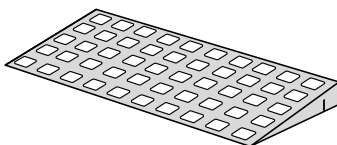
There are three different types of ramps:

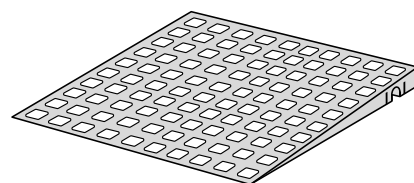| Industrial ramp	Ramp Type I	Ramp Type II
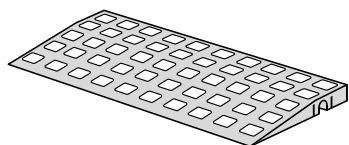
Height: 18 mm
Width: 25 cm
Depth: 13,7 cm

Article no.: 12505-2

Height: 21 mm
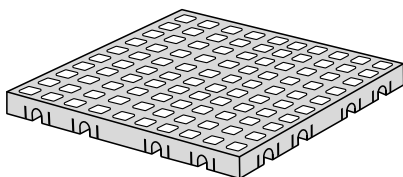Width: 25 cm
Depth: 12,5 cm

Article no.: 12535-2

Height: 21 mm
Width: 25 cm
Depth: 25 cm

Article no.: 12545-2

There are three different types of tiles:

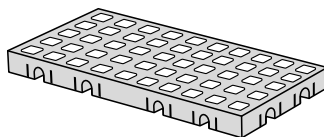| Tile	1/2 Tile	1/4 Tile

Height: 18 mm
Width: 25 cm
Depth: 25 cm

Article no.: 12503
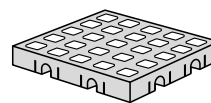
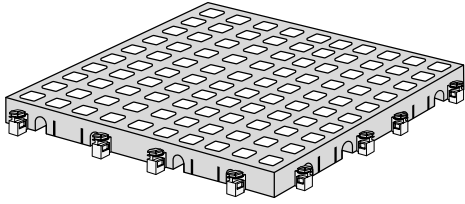Height: 18 mm
Width: 12,5 cm
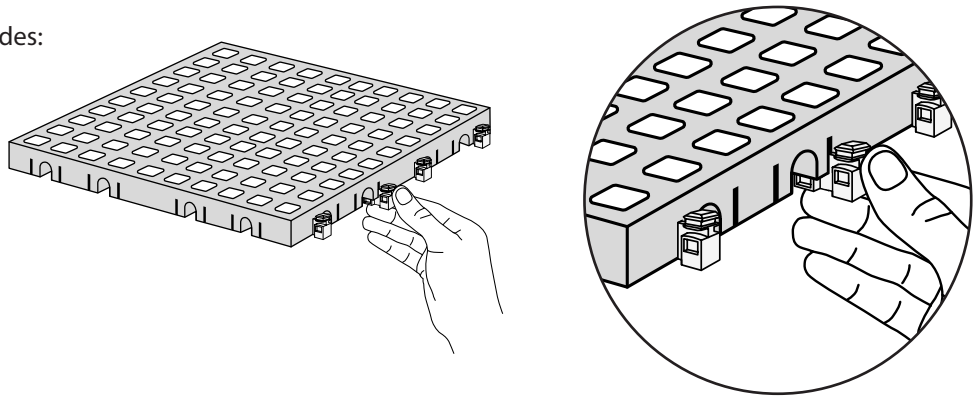Depth: 25 cm

Article no.: 12510-2
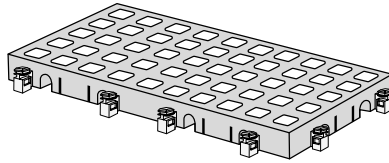
Height: 18 mm
Width: 12,5 cm
Depth: 12,5 cm

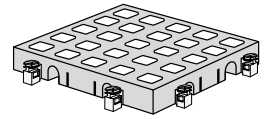Article no.: 12509-2

C-LOCKS IN TILES AND RAMPS

C-Locks are placed in tiles on two sides:
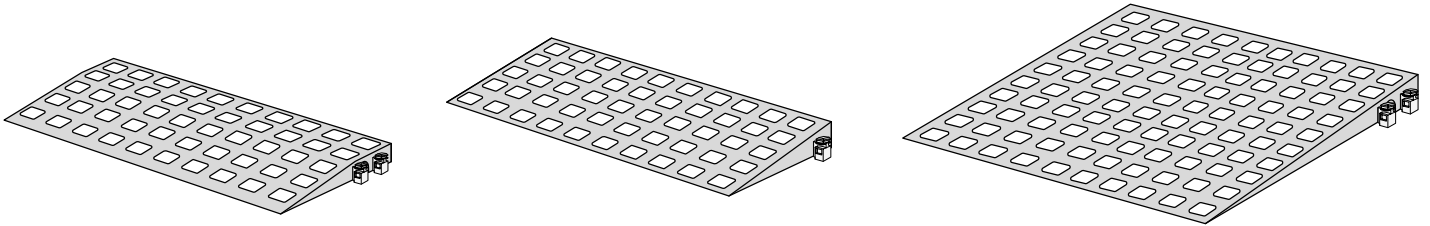
Tile

1/2 Tile

1/4 Tile
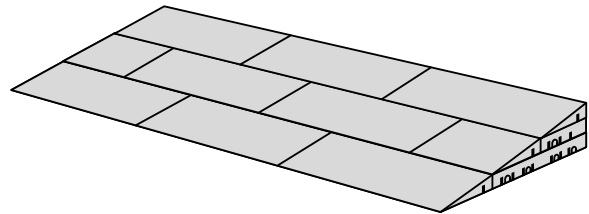
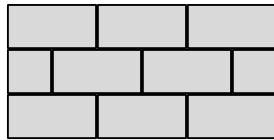C-Locks are placed in ramps on one side:

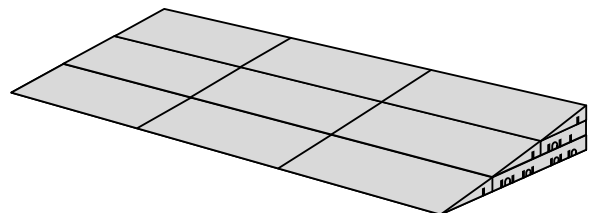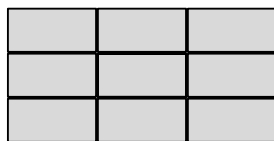Industrial ramp

Ramp Type I

Ramp Type II

PATTERN

Brick pattern

Creates the strongest ramp, because the connection betweeen the tiles/ramps are offset.
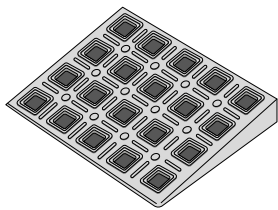
Straight pattern

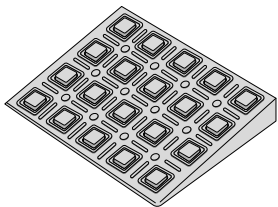The most simple and easy way to build a ramp.

SURFACES

Holes

The standard surface with holes is mainly for indoor use. It has a slip-resistant surface, and dirt will be collected inside the ramp, so it´s easy to clean.
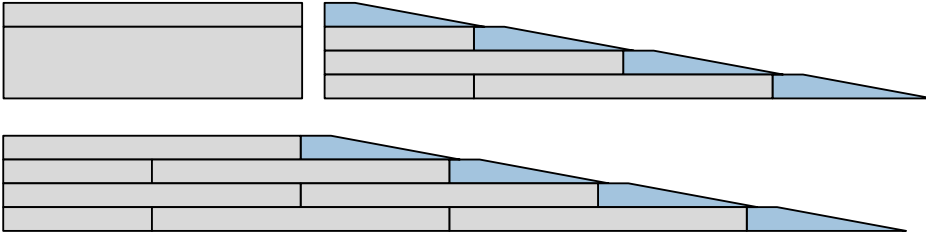
SlipStop

The surface with SlipStop is mainly for outdoor use.
It is extremely slip-resistant.

PLATFORMS

Platforms make it possible to open and close doors. If there is no platform in front of the door already, it can be build into the ramp.
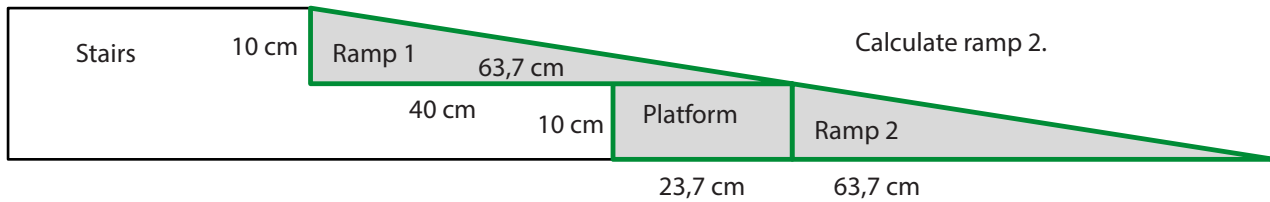
Examples:

STAIRS

If there are stairs, which can not be removed, the ramp can be integrated with the stairs.
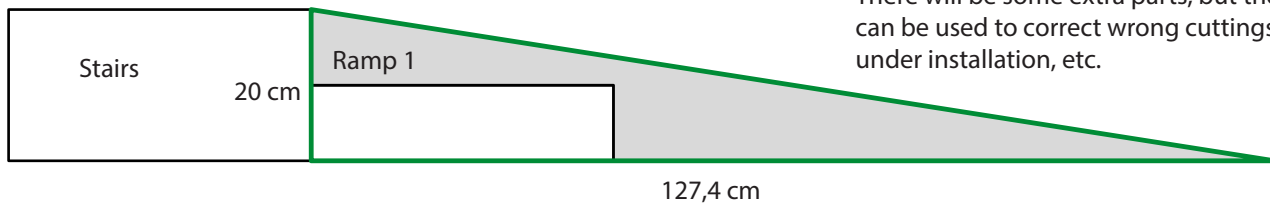Here are two ways of calculating steps:

Calculate ramp 1. Because the step is 10 cm high, the ramp will be 63,7 cm long.

Calculate platform under ramp 1.
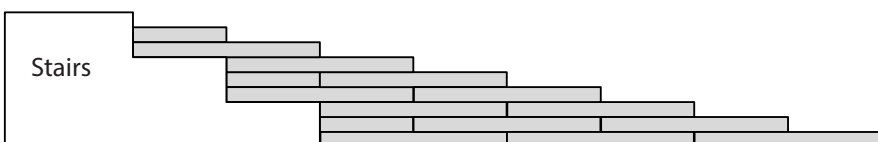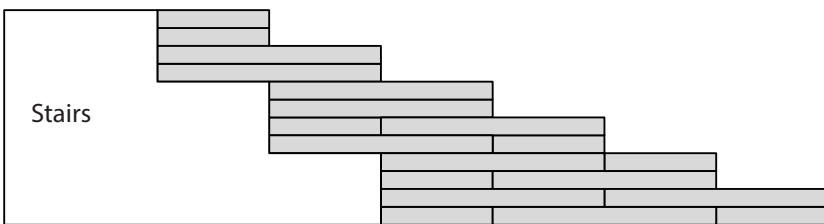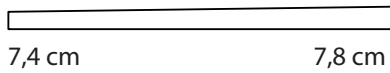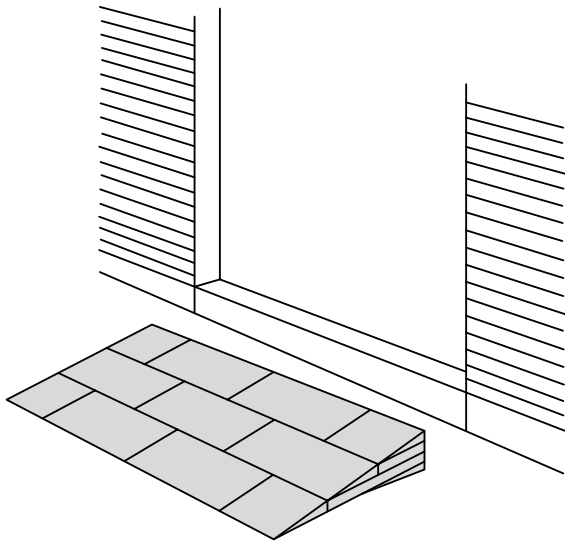63,7 cm - 40 cm = 23,7 cm lenght of the platform.

Calculate ramp 2.

Calculate as if there is no step.
There will be some extra parts, but they can be used to correct wrong cuttings under installation, etc.
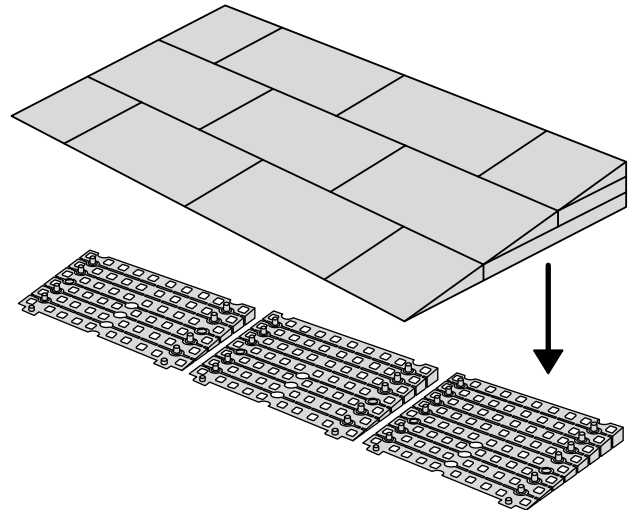

Tiles and SixPacks can also be used to rebuild stairs to have a lower inclination, for better accesibility:
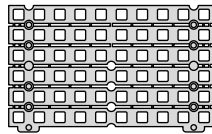
UNEVEN GROUND: ADAPT THE RAMP WITH RAMP ADJUSTER
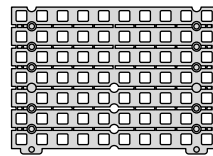
7,4 cm   7,8 cm

A ramp with 3 tiles width will get a height different of 5 mm.
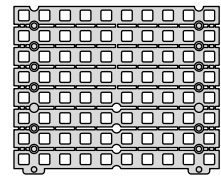
12 mm high   14 mm high   16 mm high

Ramp Adjuster mounted under the ramp. To achieve the height in an uneven step. You can use the Ramp Adjuster for each tiles to adapt in the height. Do not remove more than one layer at the time or else the height gap will be to big. A ramp with 3 tiles wide will get a height different of 4 mm.

RAISING OF BALCONIES

Solution for both balconies and balcony accesses.
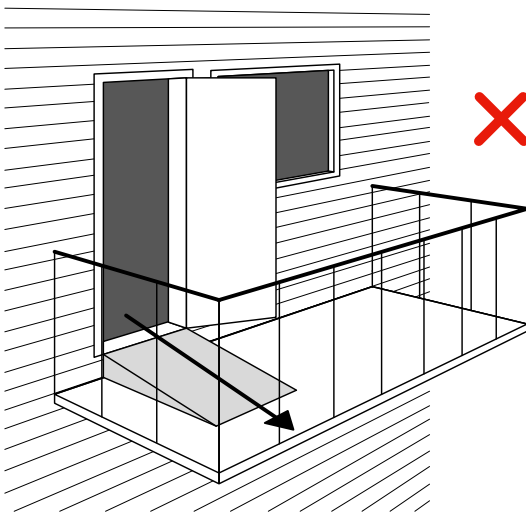
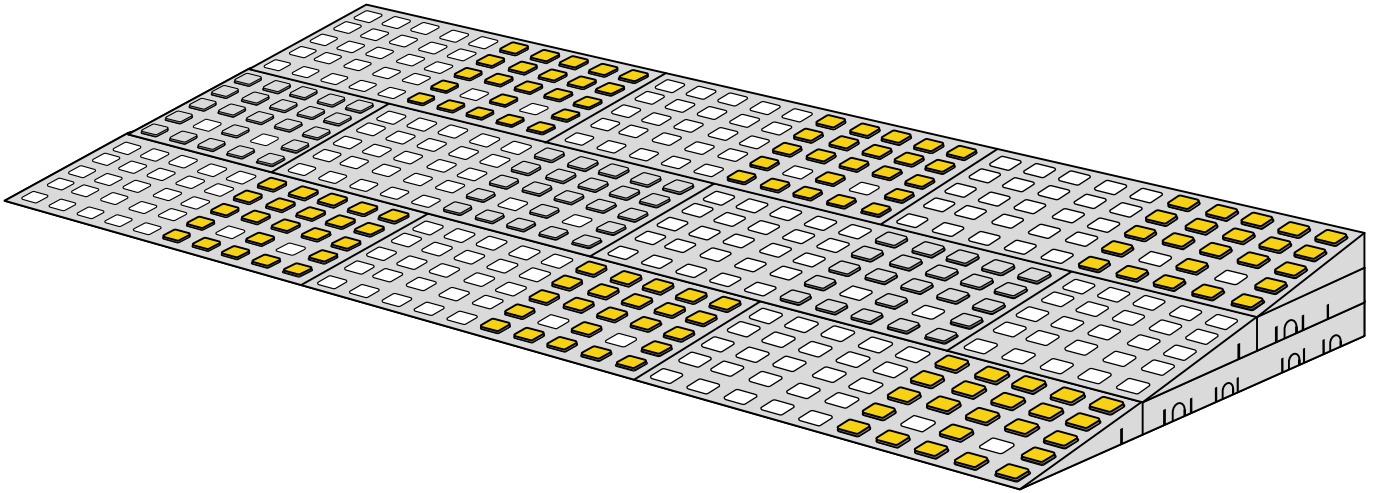A ramp requires much space and limits the room of the balcony.
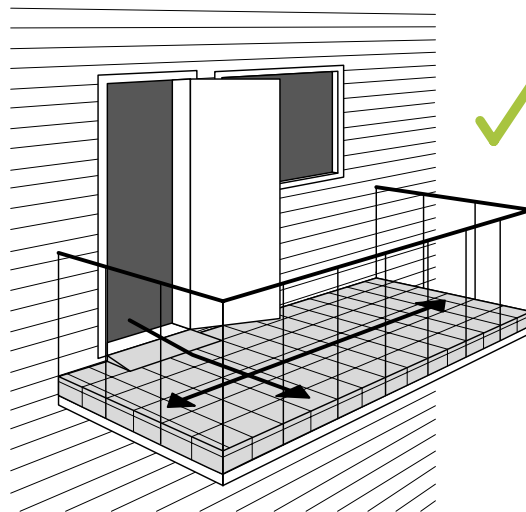
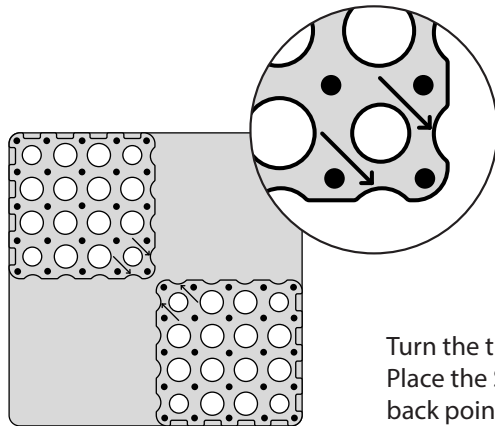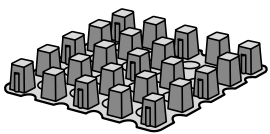A raised floor   ives access to the entire balcony.

SLIPSTOP

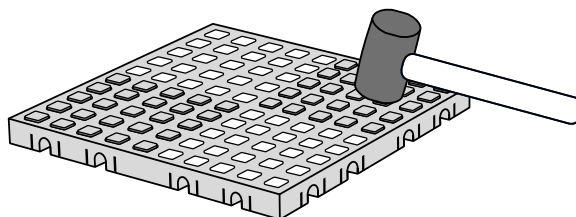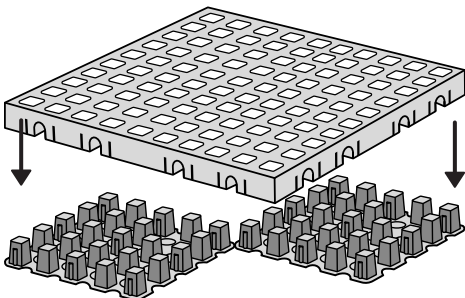SlipStop is used outdoors to increase slip resistance.

It is recommended to use yellow SlipStop at the top and bottom of the ramp for better visibility.

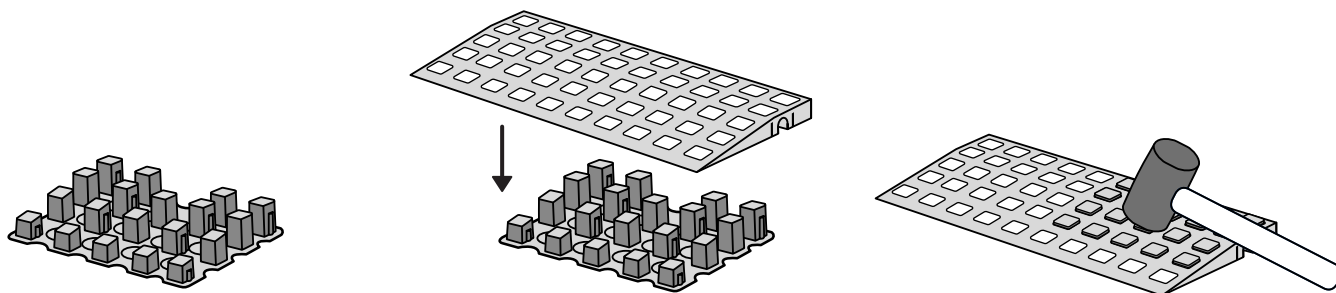SlipStop in tile
Article no.: 12830-2

Turn the tile with the bottom up.
Place the SlipStops with the arrows on the back pointing towards the middle of the tile.
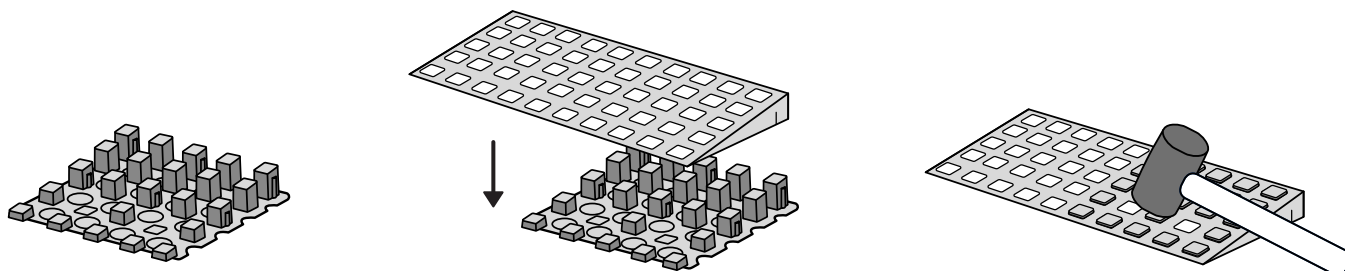
SLIPSTOP IN RAMPS

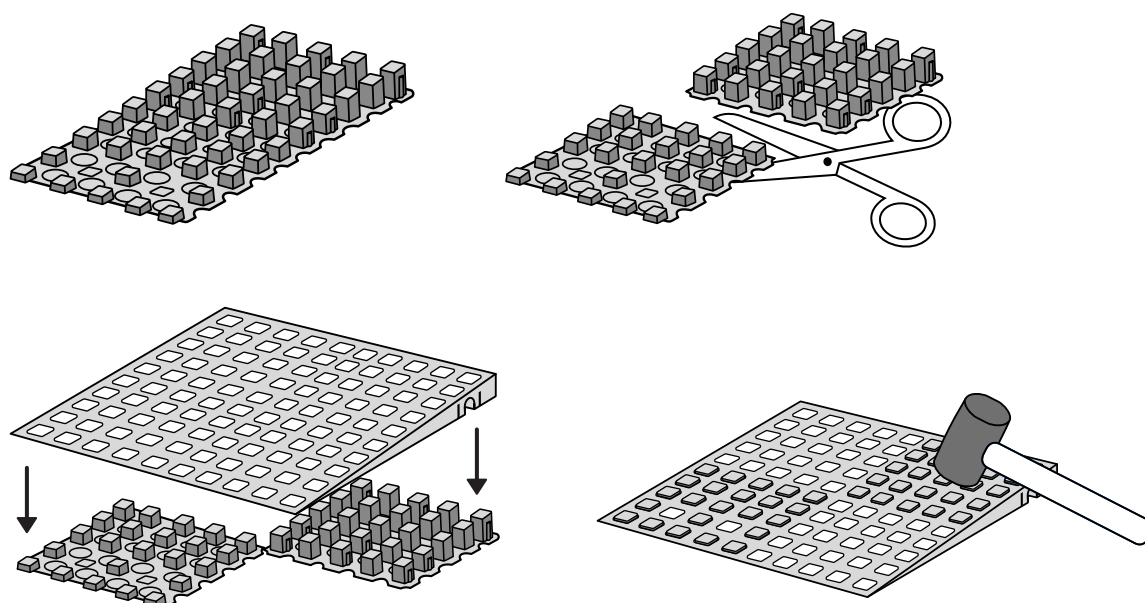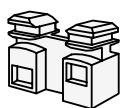SlipStop in an industrial ramp
Article no.: 12840-2

SlipStop in a Ramp Type I
Article no.: 12850-2

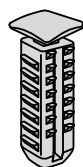SlipStop in a Ramp Type II
Article no.: 12860-2

LOCK SYSTEM

C-Lock

Connects tiles and ramps horizontally.
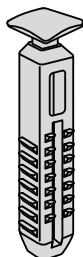Article no.: 12700

R-Lock

Connects ramps on top of tiles.
Is used on the inclined surfaces.
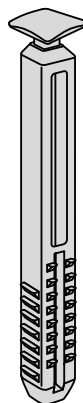Article no.: 12742-2

T-Lock

Connects two layers of tiles (mostly) on top of
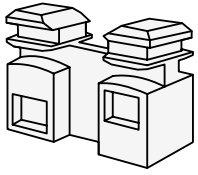each other.
Article no.: 12732-2

S-Lock

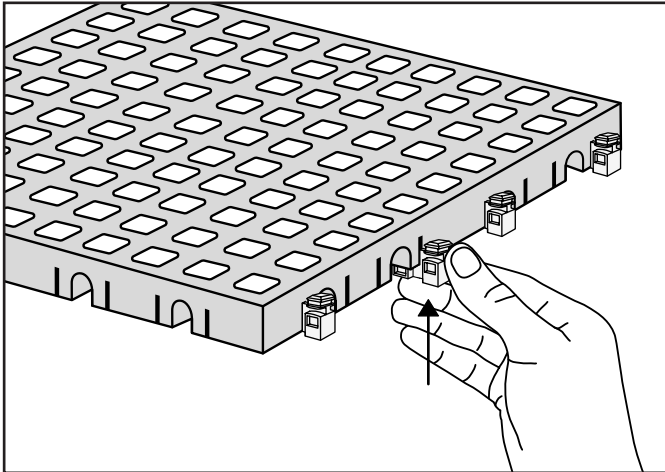Connects three layers of tiles.
Article no.: 15250-2

L-Lock

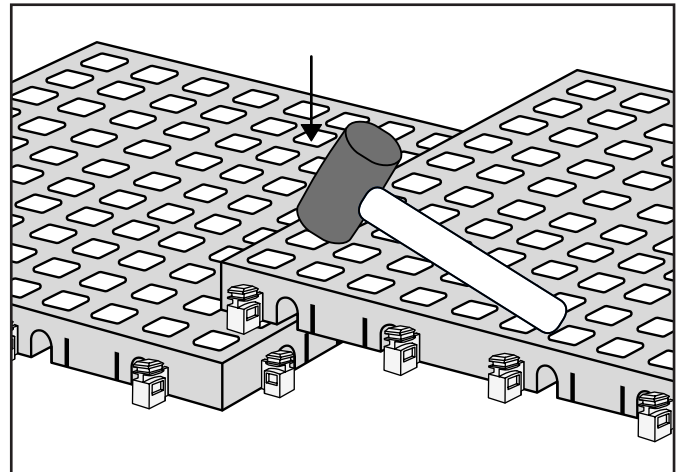Connects fi e layers of tiles.
Article no.: 15200-2

C-LOCK

C-Lock connects:

Connects tiles and ramps horizontally.
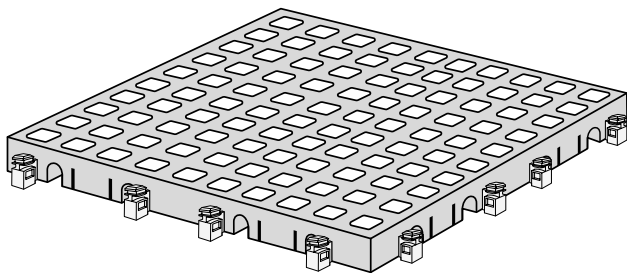
Tool:

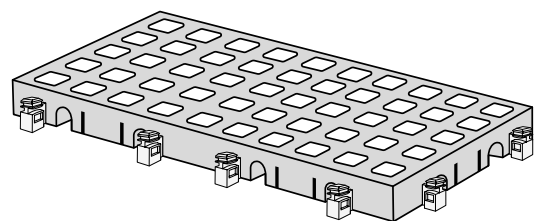Rubber hammer

C-Lock is easy to mount and dismount by hand.

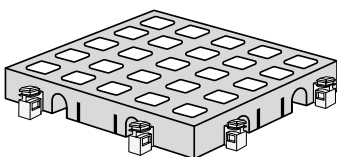A rubber hammer makes connecting of tiles and ramps very easy.

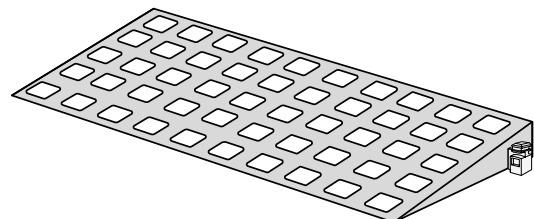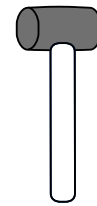Placement of C-Locks: (Only delivered on two sides)

Tile

1/2 Tile

1/4 Tile

Ramp Type I
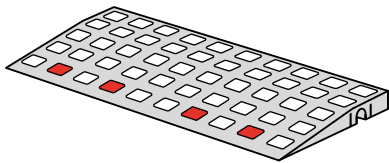
Instructions for Excellent Ramp system
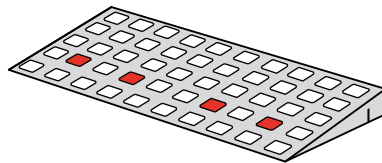
R-LOCK

R-Lock connects:
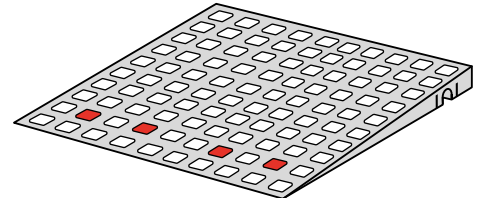
1 tile + 1 ramp

Tool:

Rubber hammer

Placement of R-Lock:
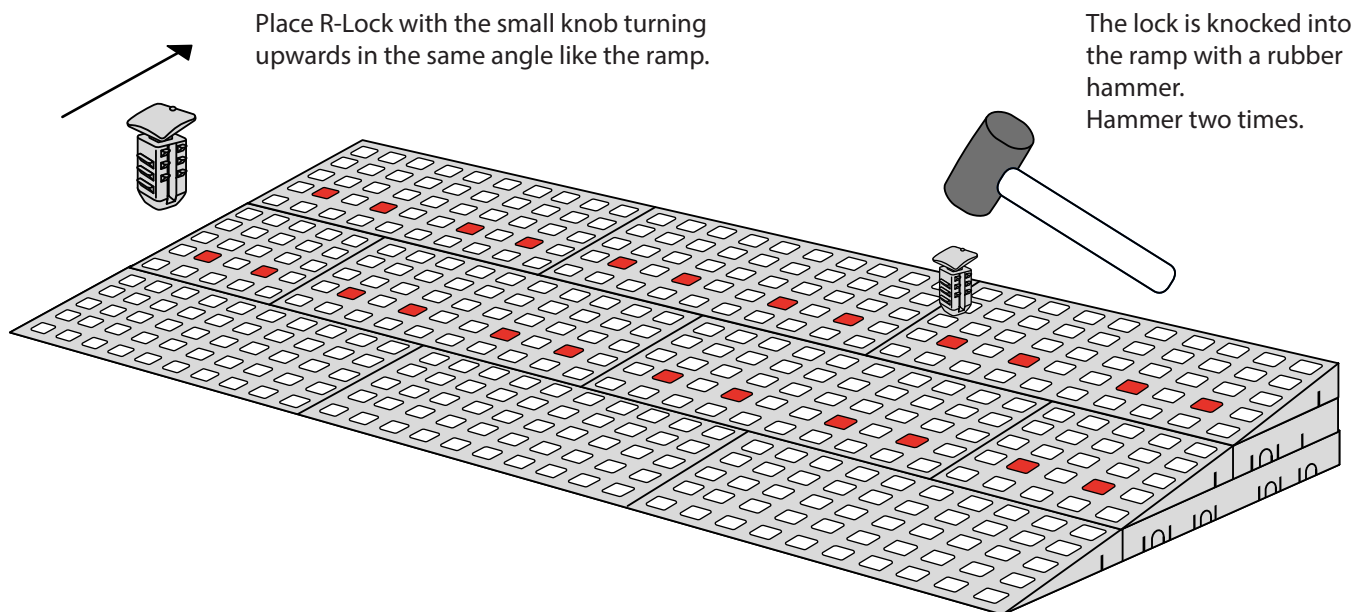
Industrial ramp

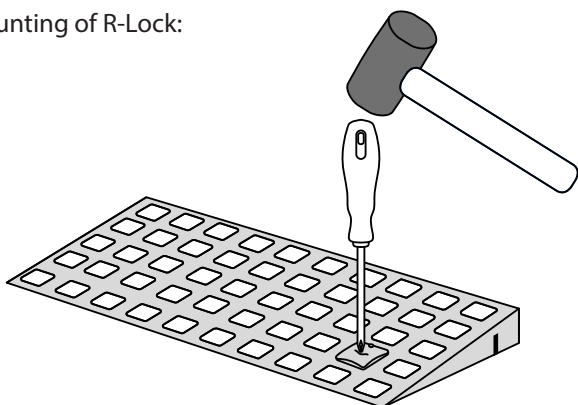Ramp Type I

Ramp Type II

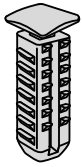## Placement in a three layer ramp:

Place R-Lock with the small knob turning upwards in the same angle like the ramp.

The lock is knocked into the ramp with a rubber hammer.
Hammer two times.

Dismounting of R-Lock:

Use a screwdriver and a rubber hammer to knock the head of the lock and loosen the layers.
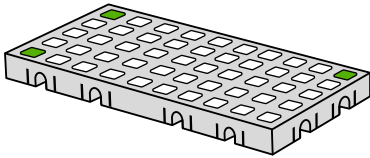
T-LOCK

T-Lock connects:

1 tile + 1 tile
1 tile + ramp

Tool:

Rubber hammer

Placement of T-Lock:

Example of a 1/2 tile mounted
in a ramp at the left corner.

Tile mounted in a ramp.

Tile with or without Slipstop
mounted as a floor of tile .

Placement of T-Locks:

The lock is knocked
into the ramp with a
rubber hammer.

Make sure that the T-Lock are
placed offset in the layers.

Dismounting of T-Lock:

Use a screwdriver and a rubber hammer to
knock the head of the lock and loosen the layers.

S-LOCK

S-Lock connects:

1 SixPack + 2 layers of tiles
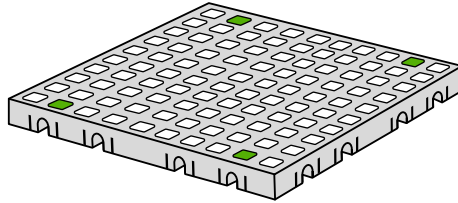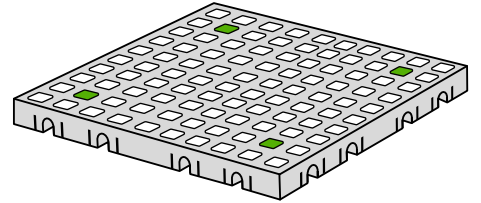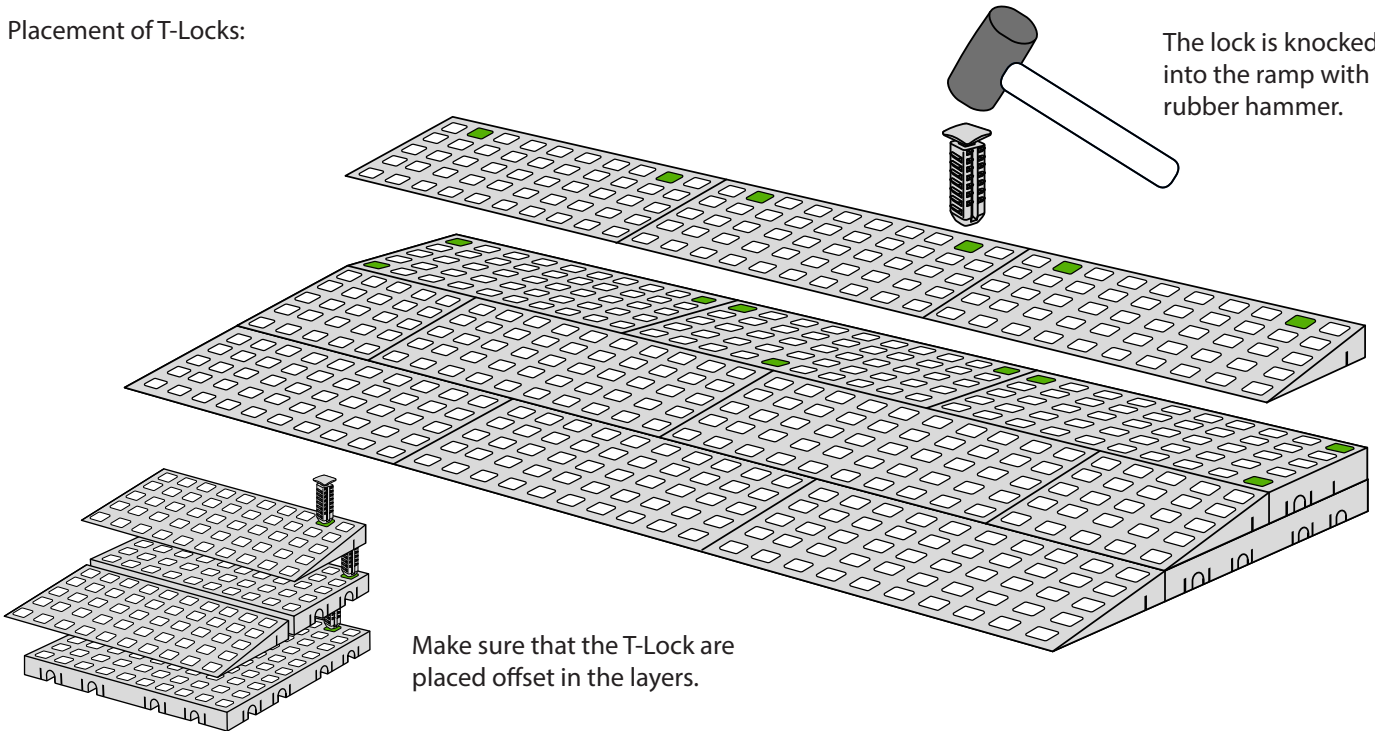3 layers of tiles

Tool:

Rubber hammer

Placement of S-Lock:

Example of a 1/2 tile mounted in a ramp at the left corner.

Tile mounted in a ramp.
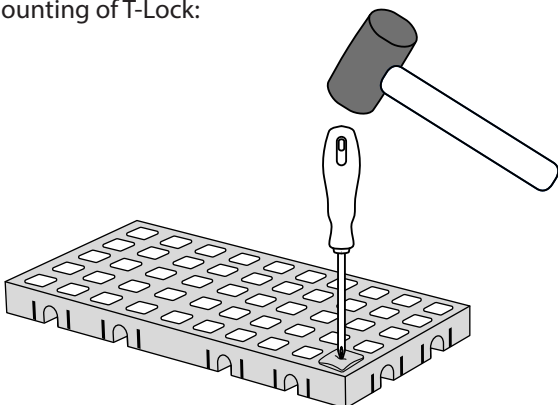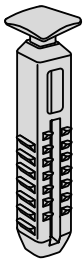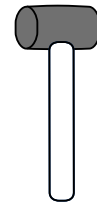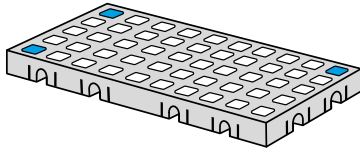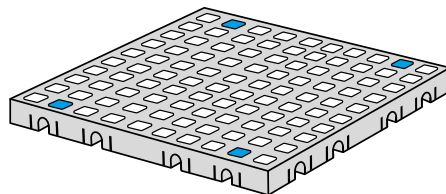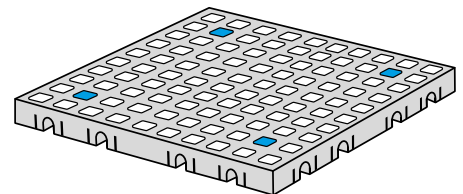
Tile with or without Slipstop mounted at a floor of tile .

S-Locks in tiles:

The lock is knocked into the ramp with a rubber hammer.

Dismounting of S-Lock:

Use a screwdriver and a rubber hammer to knock the head of the lock and loosen the layers.

L-LOCK

L-Lock connects:

5 tiles
1 SixPack + 4 layers of tiles
2 SixPacks + 1 tile

Tool:

Rubber hammer

Placement of L-Locks:
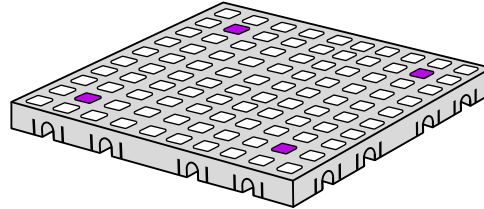
Make sure that
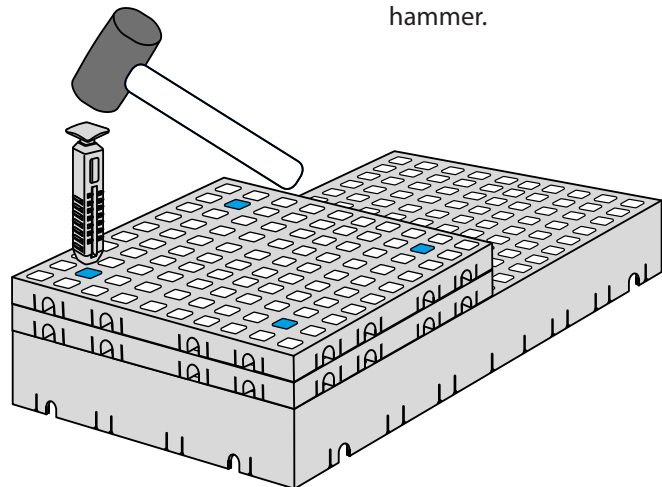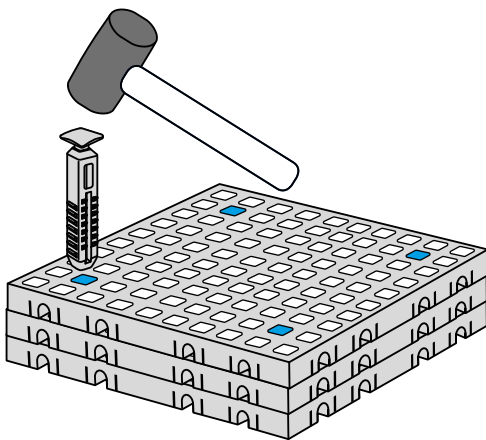L-Locks are placed
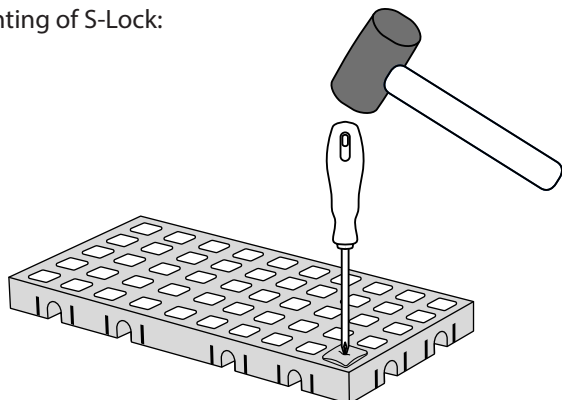offset in the layers.

Tile mounted in a ramp.

Tile with or without SlipStop
mounted as a floor of tile .
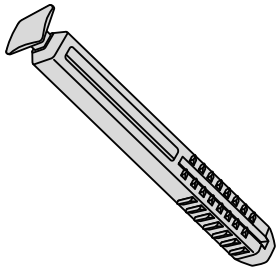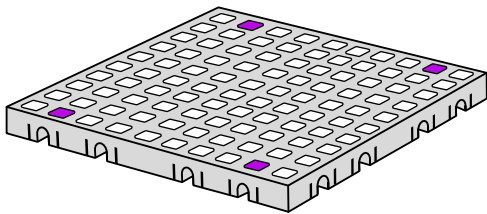
L-Locks in tiles:
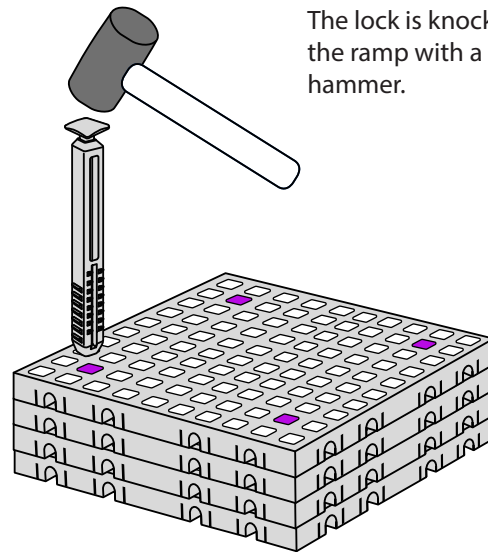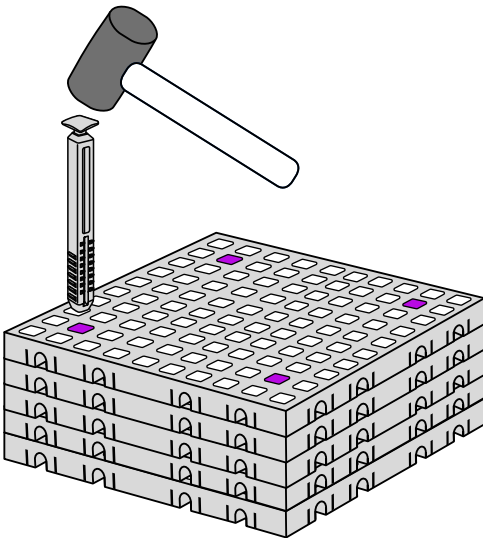
The lock is knocked into
the ramp with a rubber
hammer.

Dismounting of L-Lock:
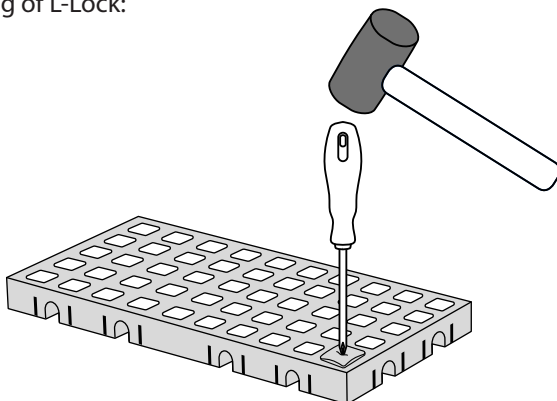
Use a screwdriver and a rubber hammer
to knock the head of the lock and loosen
the layers.

MOUNTING PAD

1

2

3

3 x

4

5

6

Push 30 sec.

Instructions for Excellent Ramp system
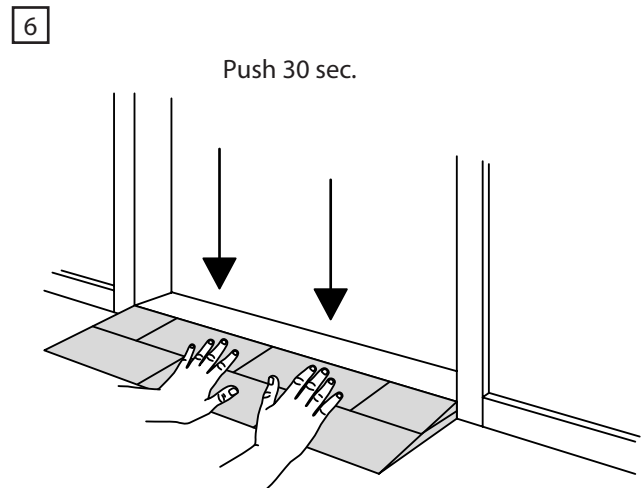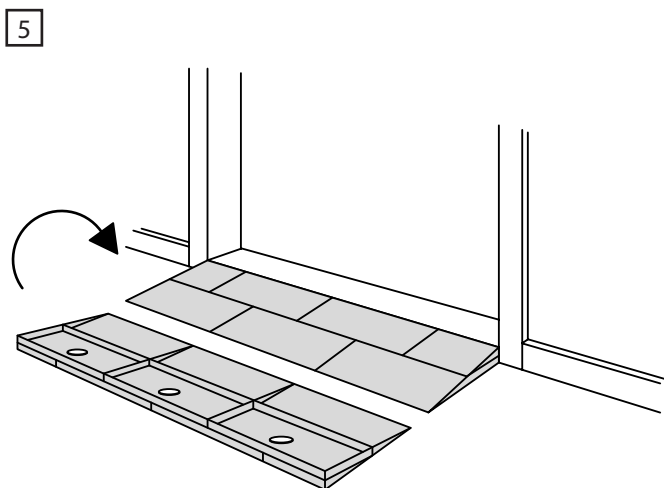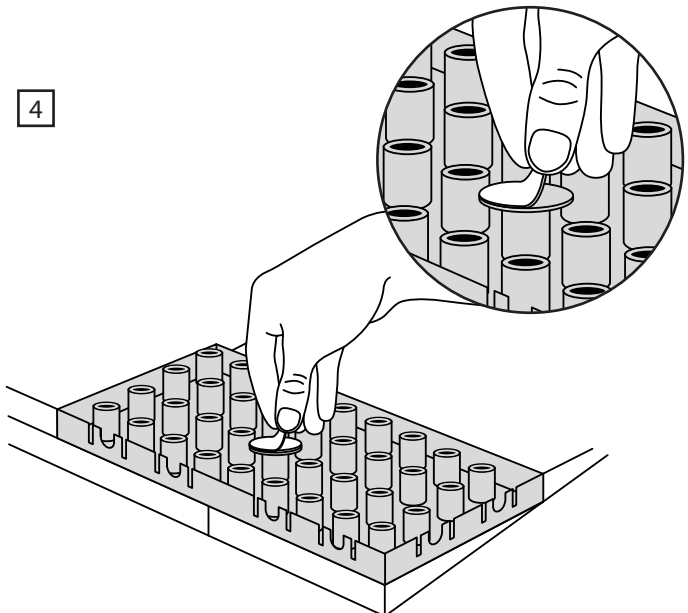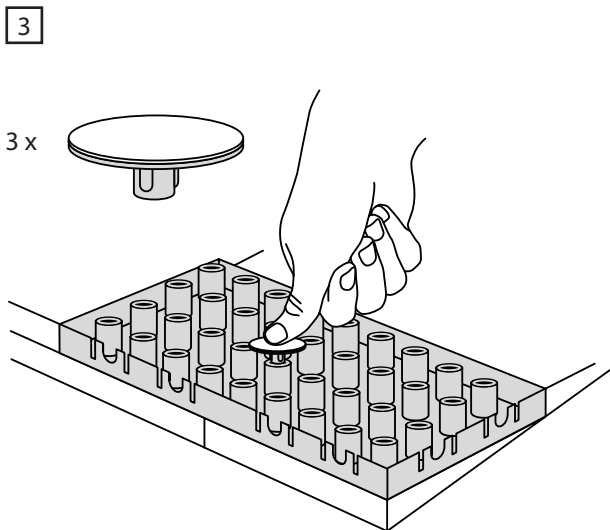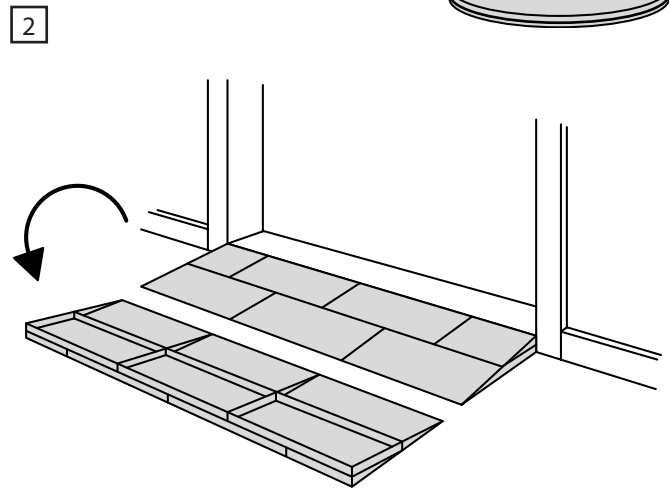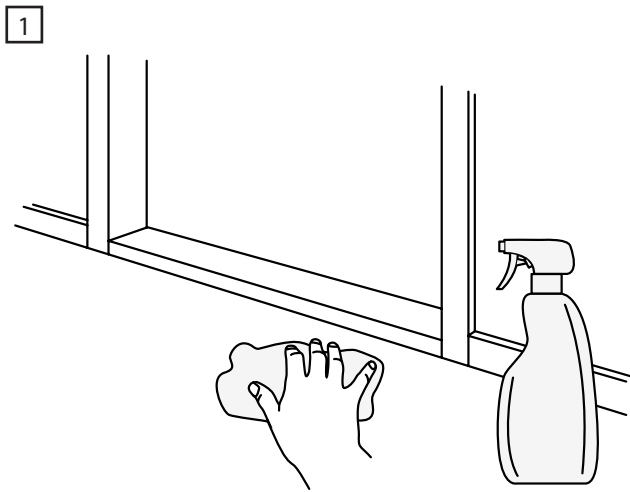
Cleaning
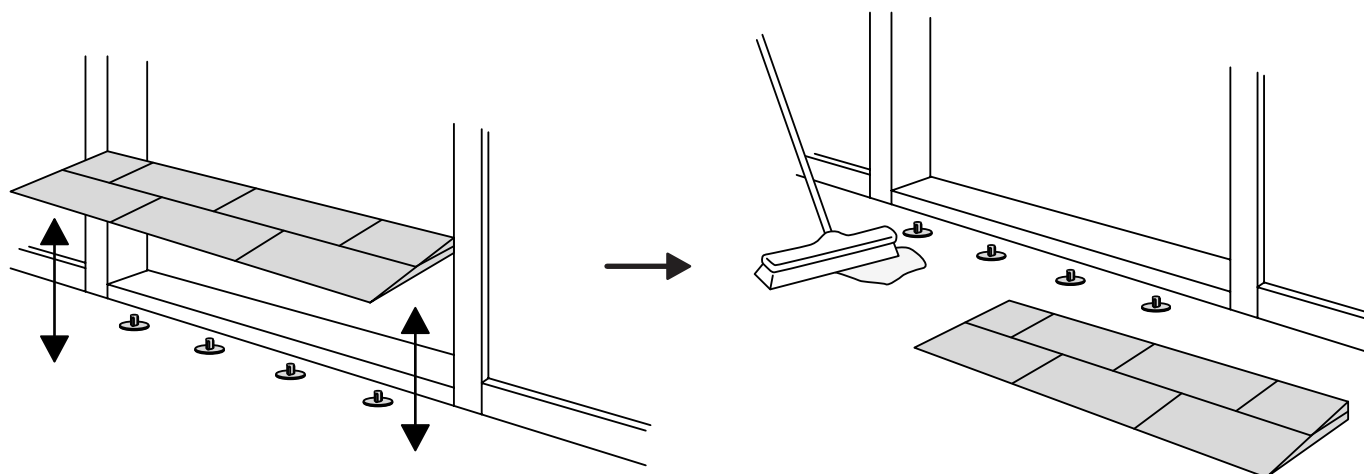
Dismantling of mounting pad and tape
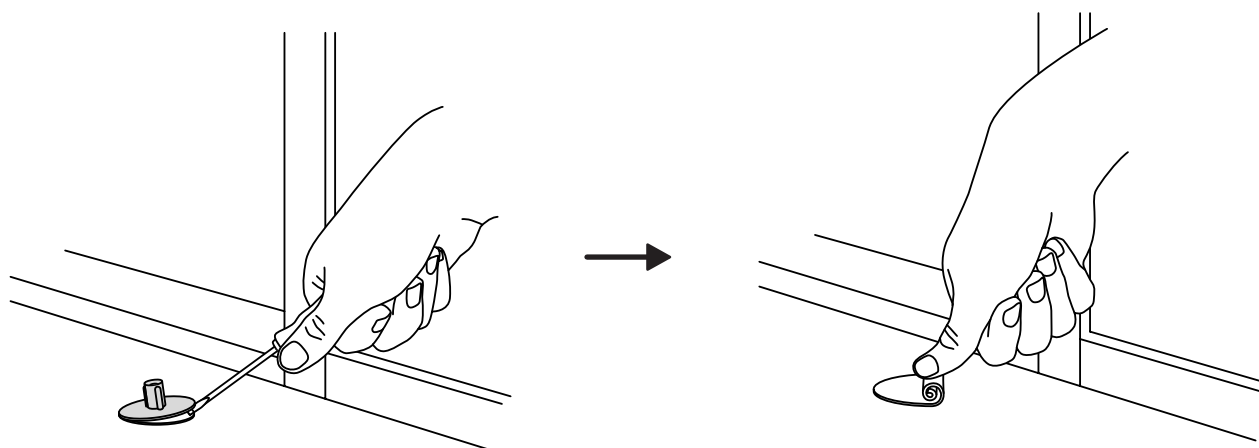
Outdoor installation
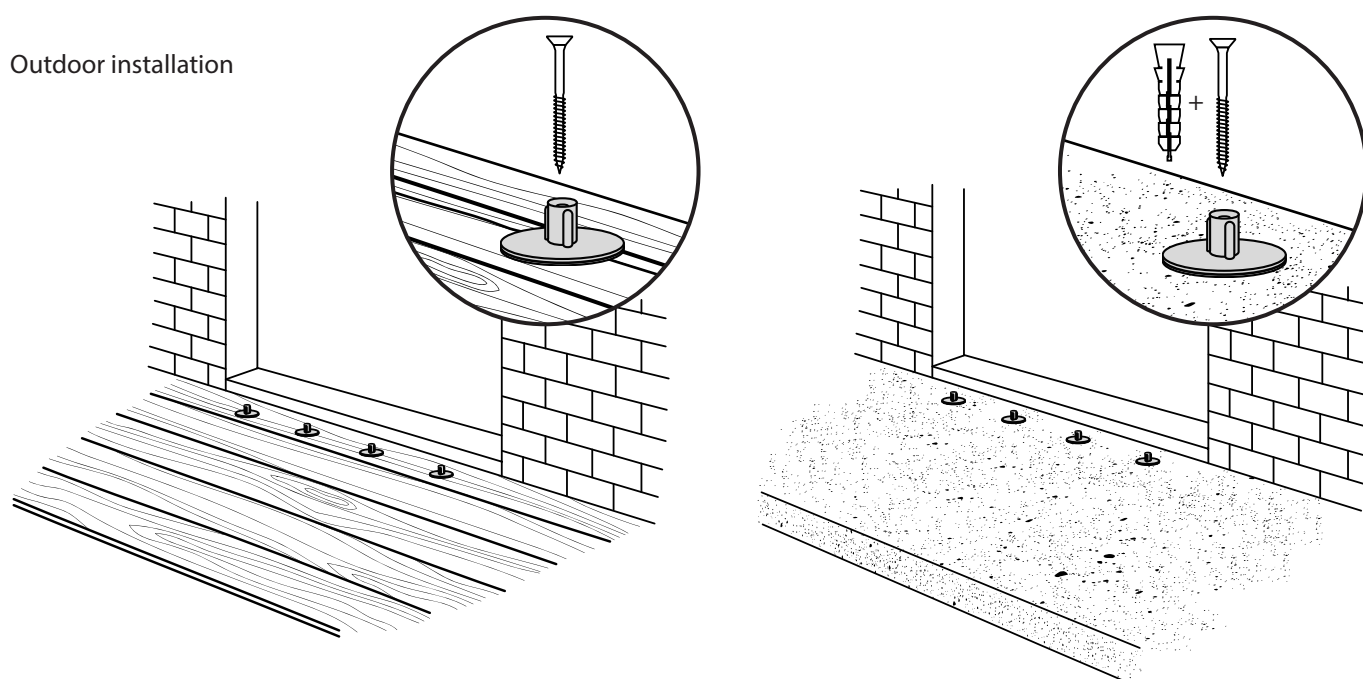
STOPPERS

Slipresistant Stoppers are used under tiles and ramps where there is a need for removing the ramp quickly.

Instructions for Excellent Ramp system
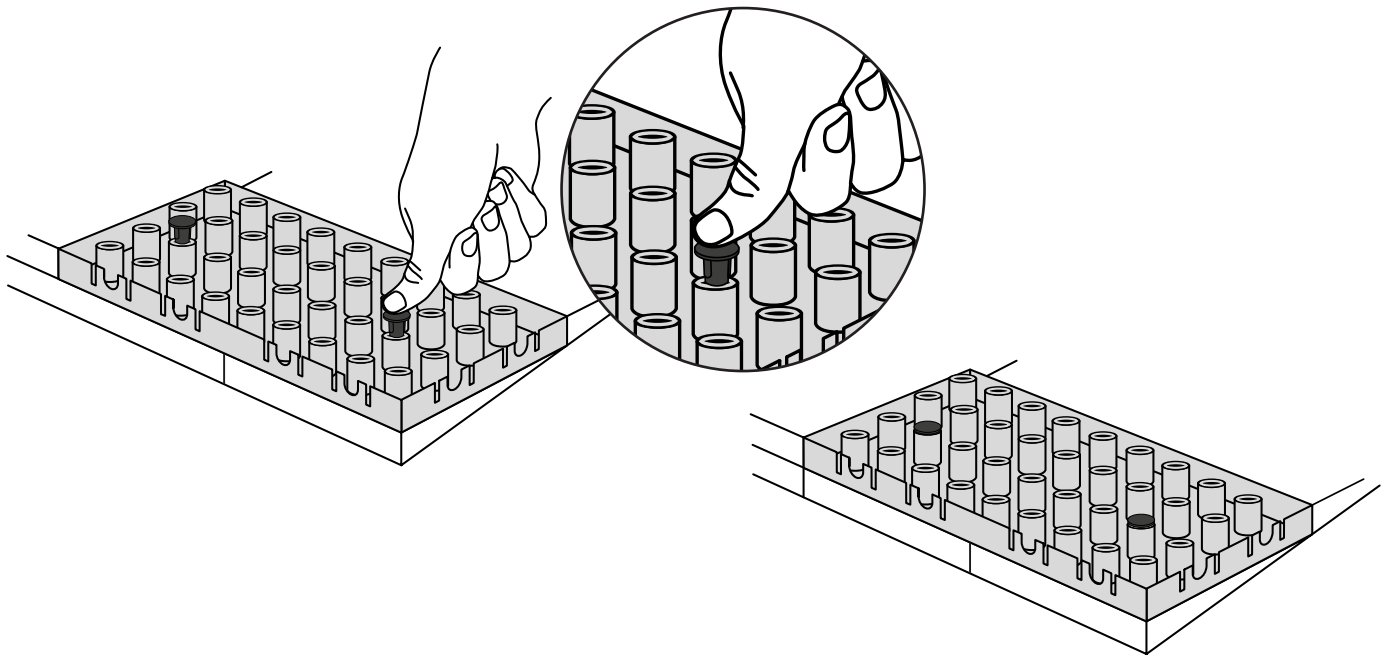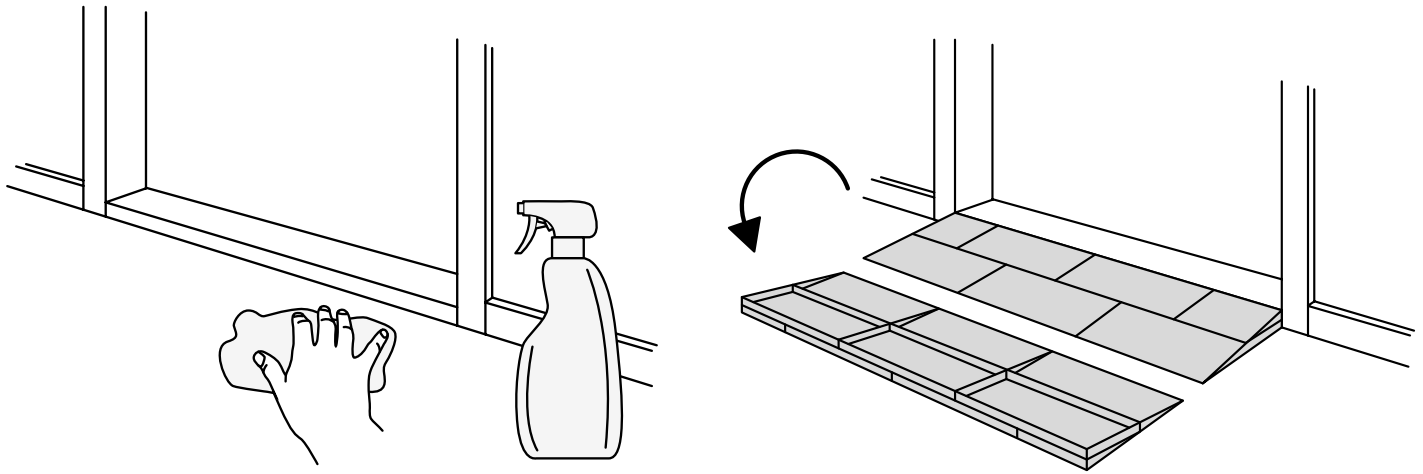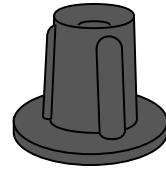
RAMP ADJUSTER

With the Ramp Adjuster it is possible to make fine adjustme ts of ramps.
Adjustments with only 2 mm differences in height:

| 16 mm | 14 mm | 12 mm | 10 mm | 8 mm | 6 mm | 4 mm | 2 mm |
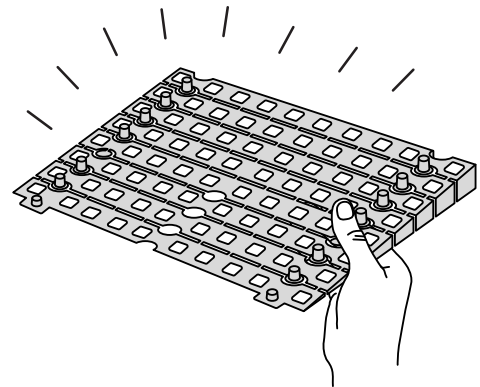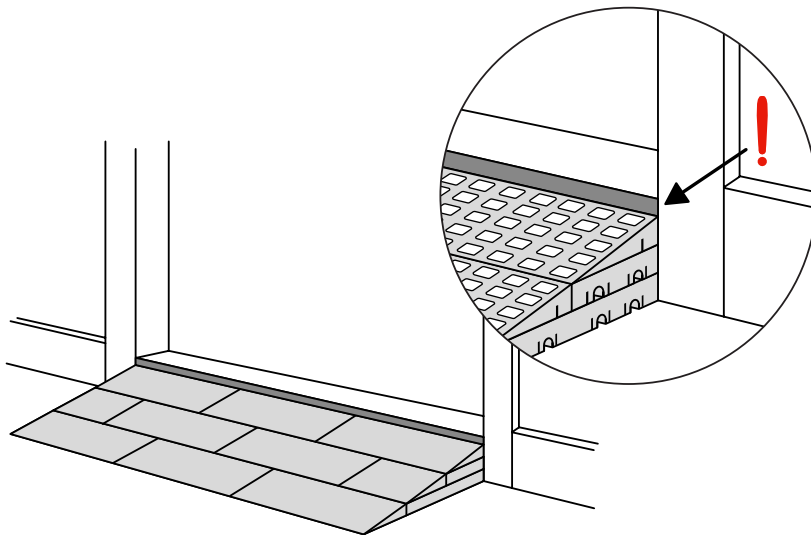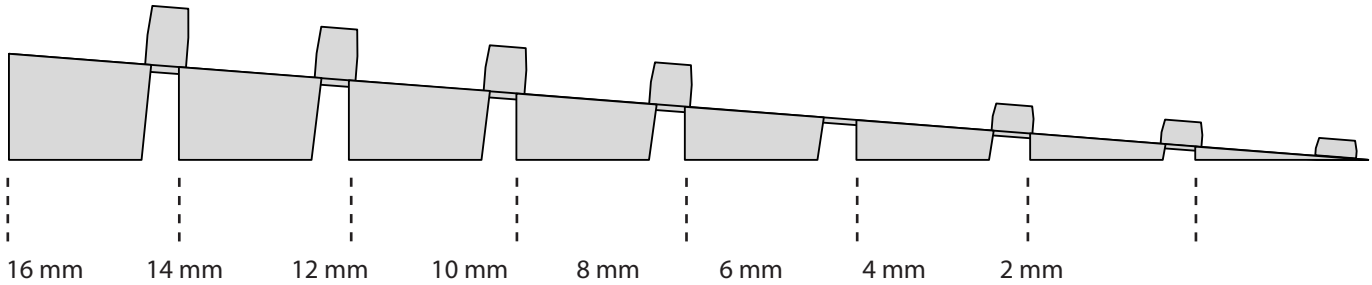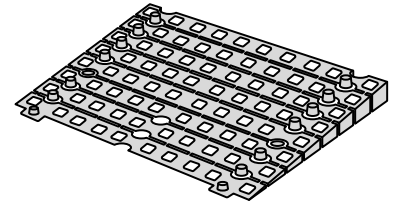
Marker den rigtige højde på Ramp Adjusteren:

Can be regenerated

Layer 3

Layer 2

Mount the Ramp Adjuster under layer 2, if possible.

Layer 1

!

Instructions for Excellent Ramp system

RAMP ADJUSTER CORNER
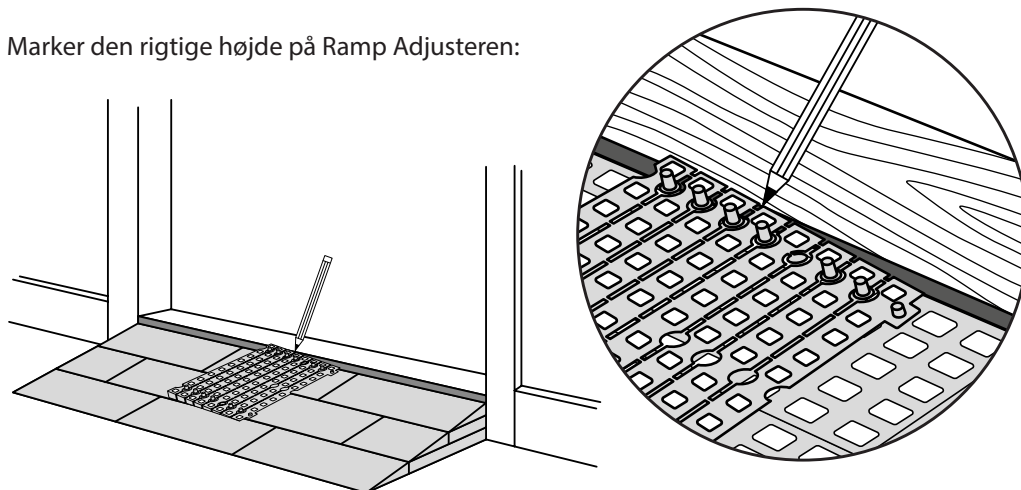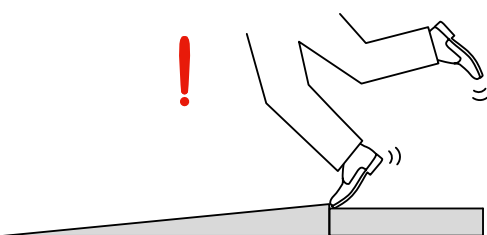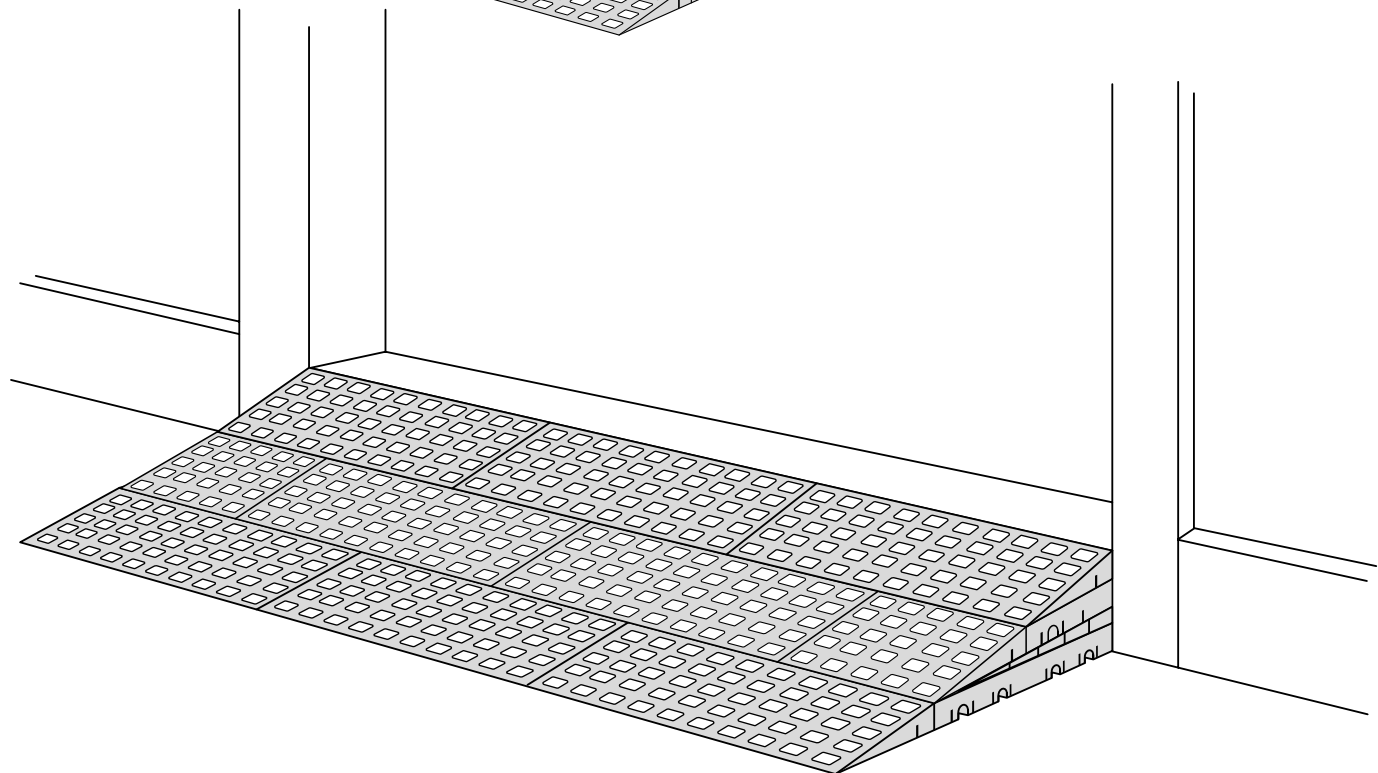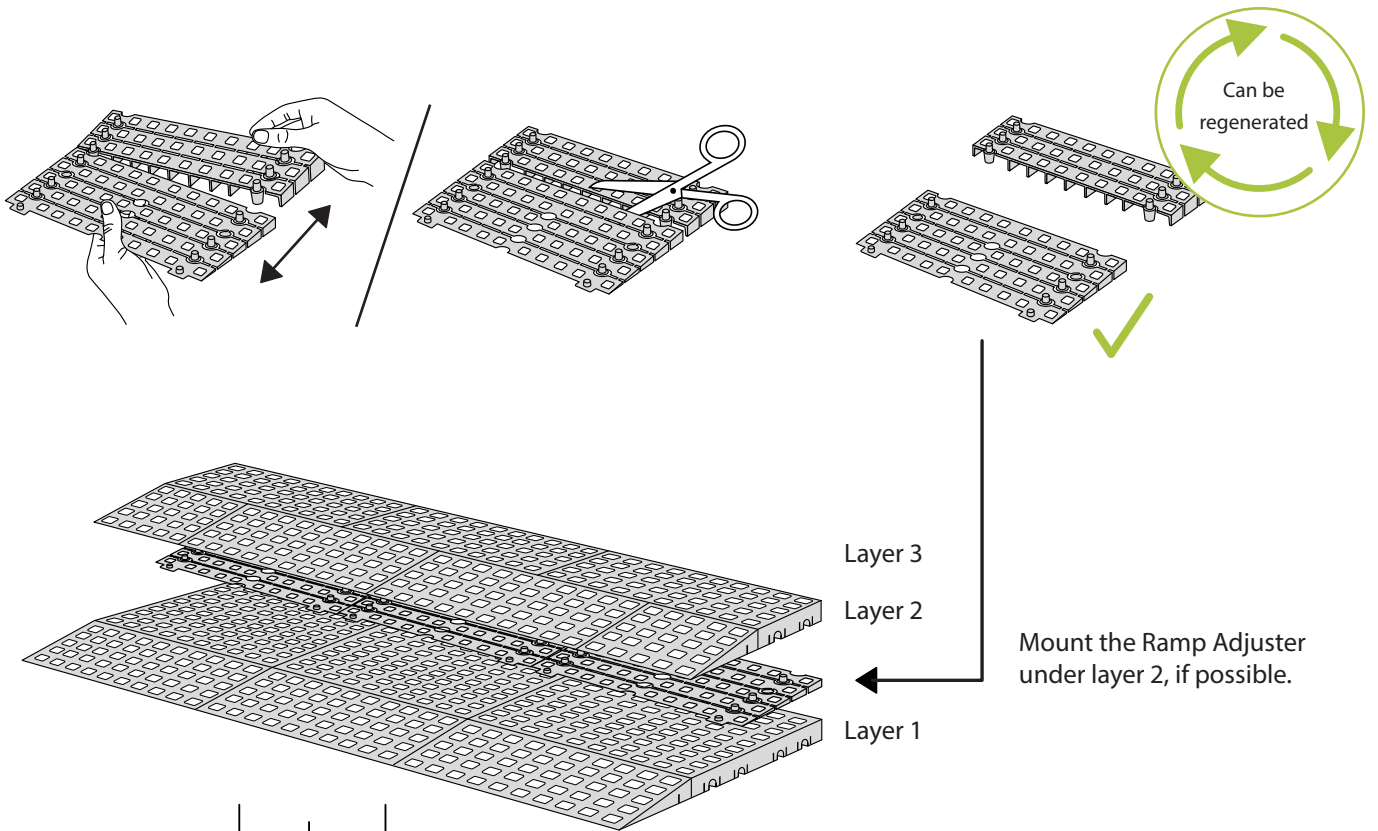
Ramp Adjuster Corner can be adjusted in these heights:

2 mm   4 mm   6 mm   8mm

10 mm   12 mm

14 mm   16 mm
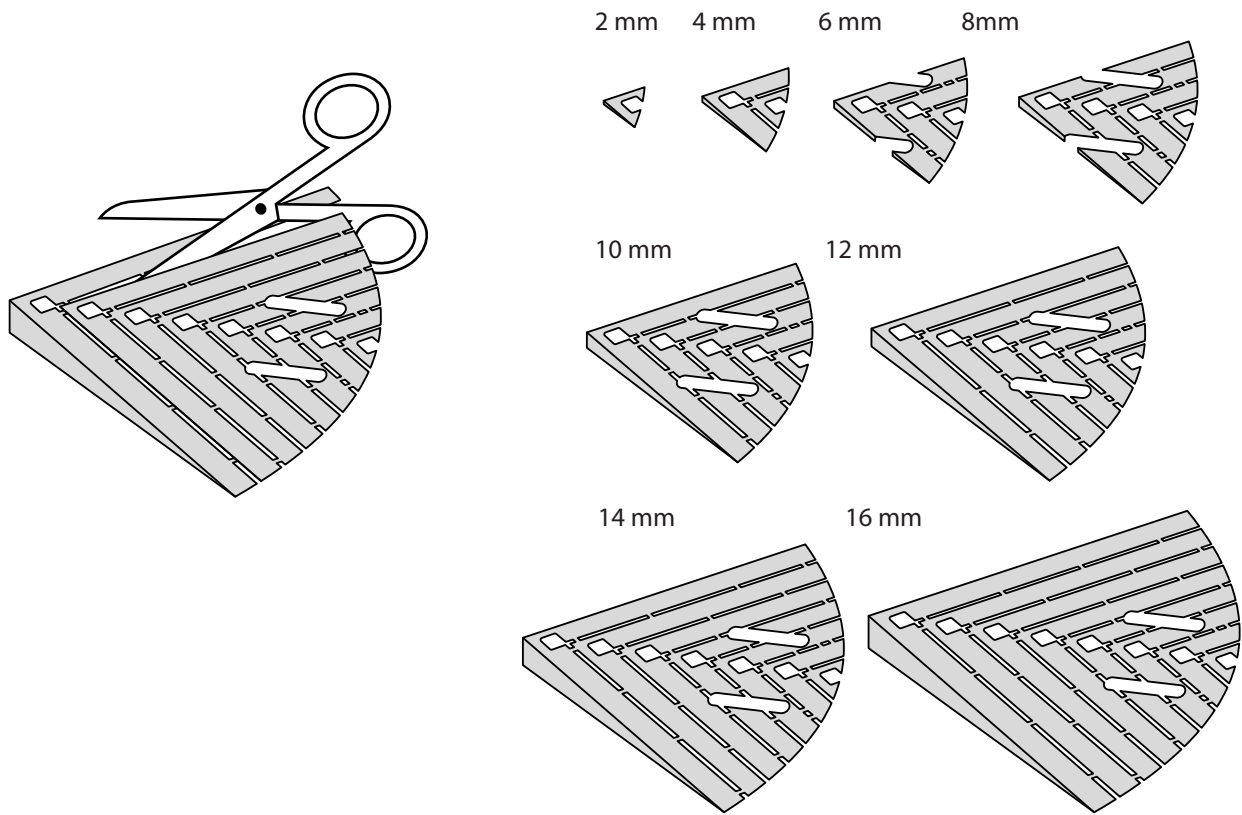
If Ramp Adjusters are used/needed in the installation, be aware that the ramp and the corner gain the same height.

Ramp Adjuster Corner

ADJUSTMENT KEY
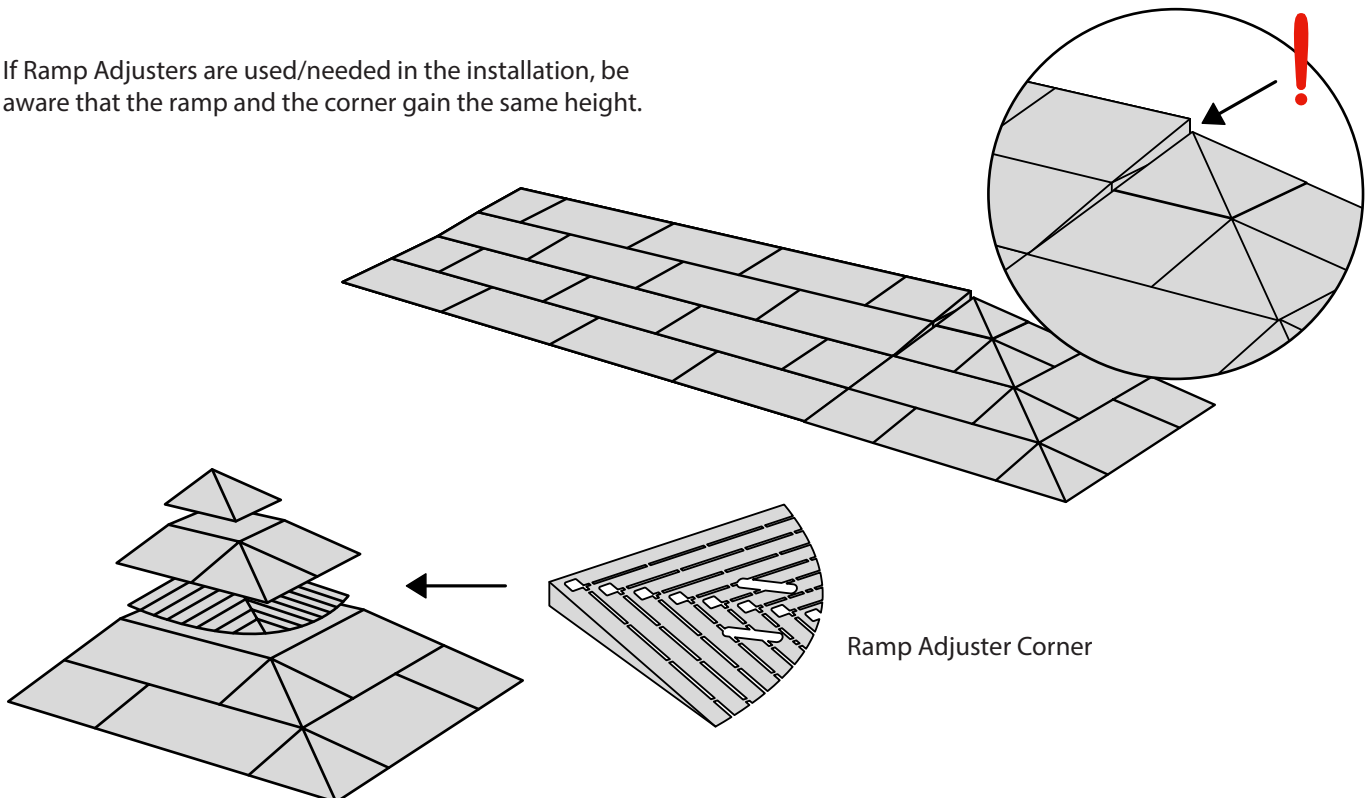
Leveling of edges

Leveling of ramps build with Ramp Type I or Type II.

If you need to remove the top layer of the ramp, you will get a small edge, because the ramps (Type I and II) are slightly higher than the tiles. The edge can be leveled with an adjustment key under the tile.

3 mm

25 mm

12,5 mm

Kant

Edge
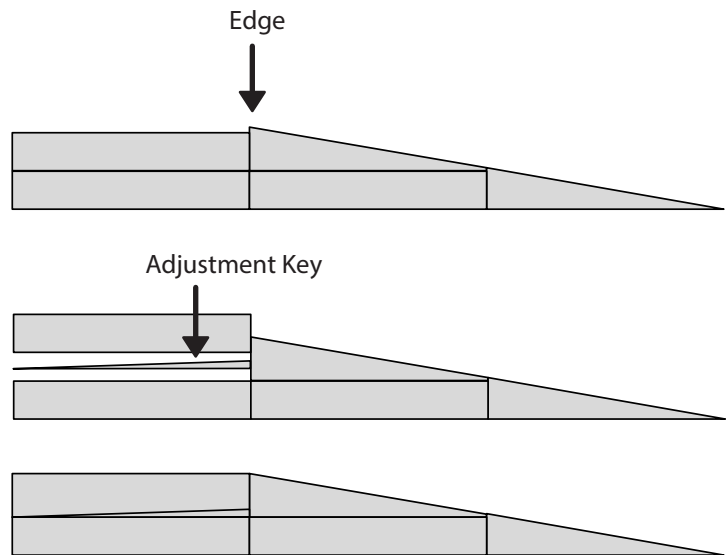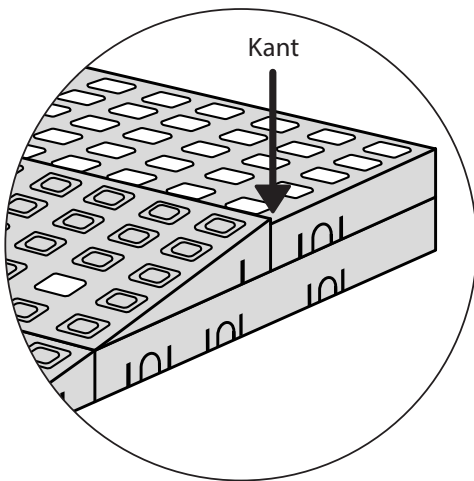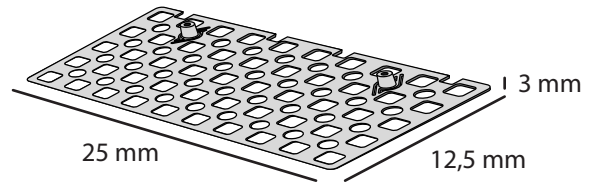
Adjustment Key

Adjusting the height

The Adjustment Key fits be ween every layer.

Layer 3

Layer 2

Layer 1

FITTING OF RAMPS TO WOODEN THRESHOLDS

There are several ways to fit amps to thresholds depending on the materials of the floor or if the th eshold is made of wood or metal:

Remove any floor mouldings and s ve them for possible later use, or use our ramps with a 45° angle.

Ramp   Sweeping list   Threshold

Turn the ramp upside down. Place it next to the threshold and mark in both ends of the threshold where the screws will be. Use the slots on the back of the ramp to mark the position for the screws.
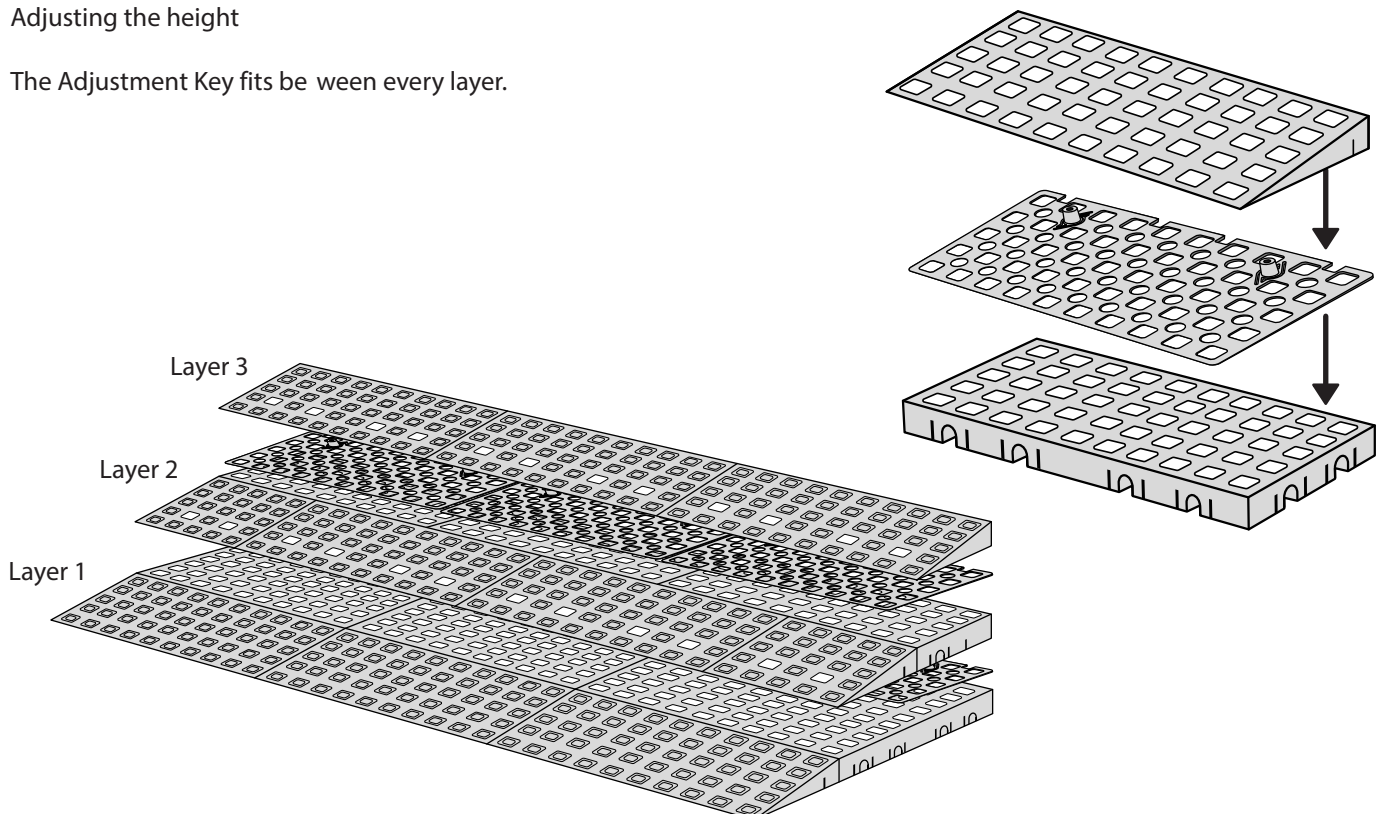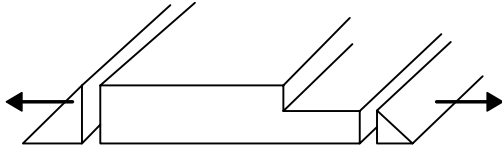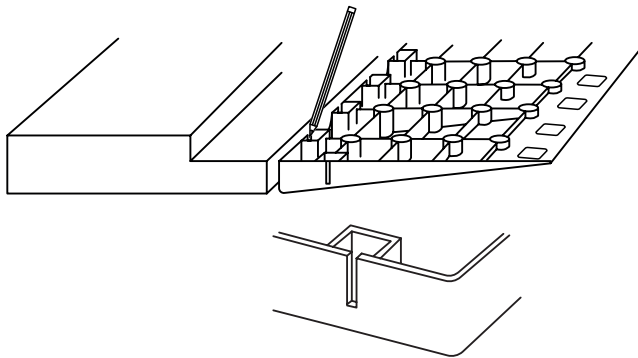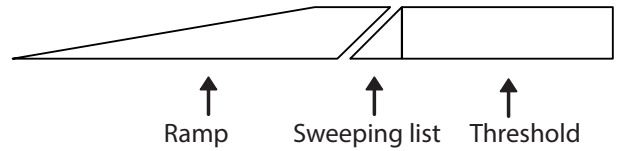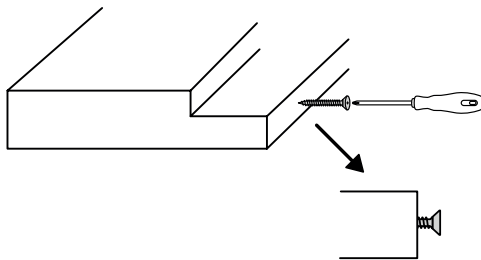
Use "screw for thresholds" article no.: 12540.
Size: 3,0 x 16 mm.
Use "screwdriver PZ 2" article no.: 12575 (From the TCR assembly system bag).
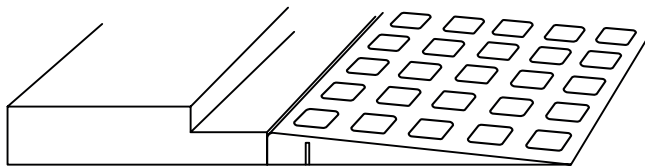
Turn the ramp over and fit it   ver the screws head. It is now secured to the threshold but can easily be lifted of the screw.

It is also possible to use "Mounting Pads" or "Stoppers".
See instructions for more information.

Mounting pads   Stoppers

FITTING OF RAMPS TO METAL THRESHOLDS

When you need to fit a amp to a threshold of metal, you have several options:

Screw in threshold

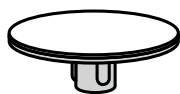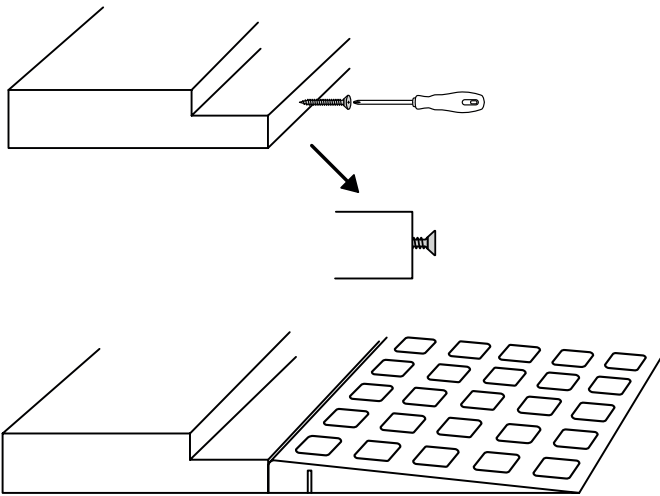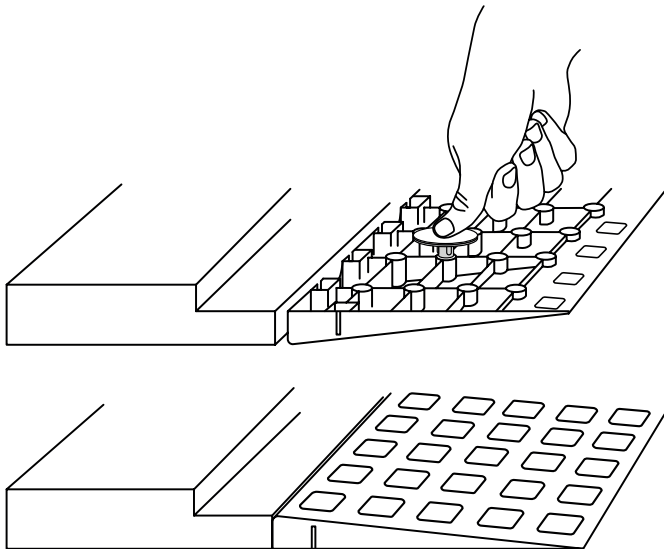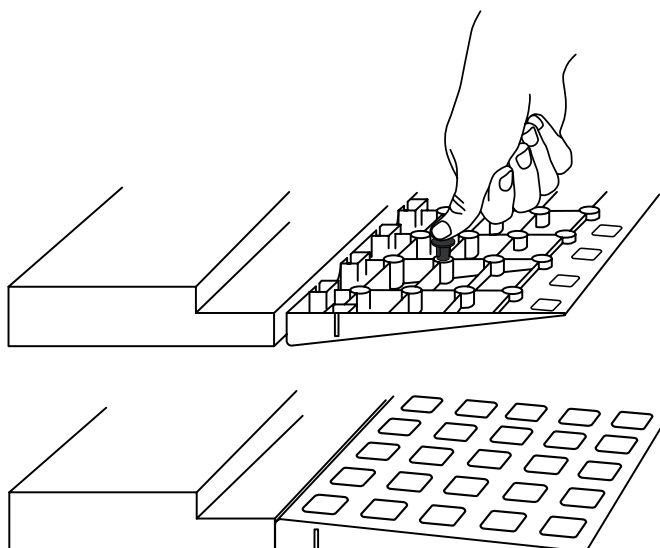You can drill holes into the threshold and secure the ramp with screws. For this, use the "screws for metal + drill" article no.: 12541.

Mounting Pads

You can also secure the ramps to the floor with Mounting Pads, article no.: 12690-2. Indoor they can be used on clean floors of both   ood and tiles, outdoor with a screw through the Mounting Pad and into the ground.

**Stoppers**

If it is not possible to secure the ramps to neither threshold nor to the floo , use "Stoppers" article no.: 12500. The Stoppers are inserted in the holes under the tiles and ramps. How many Stoppers to use, will depend on the situation.

K-SYSTEM

K-System is a kerb system designed for Excellent Ramp System.
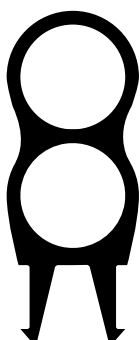It is easy to mount on both ramps and tiles and comes in two different heights.
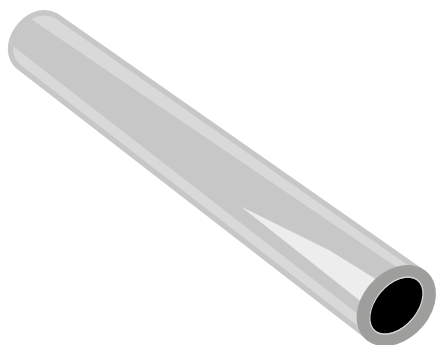
K-Tube

Lenght: 200 cm
U/Ø: 4 cm
I/Ø: 2,4 cm
Article no.: 17100-1

K-Lock 1

Mounted height of kerbs: 5 cm
Minimum 2 layers in ramp height needed.
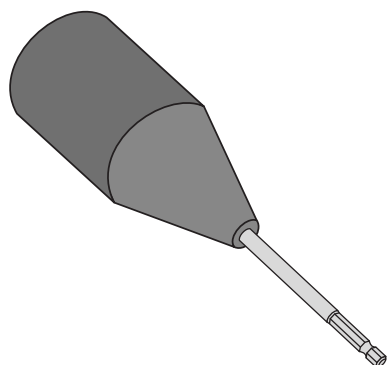Article no.: 17120

K-Lock 2

Mounted height of kerbs: 10 cm
Minimum 3 layers in ramp height needed.
Article no.: 17130

K-Stops

Mounted in both ends of K-Tubes to round the edges.
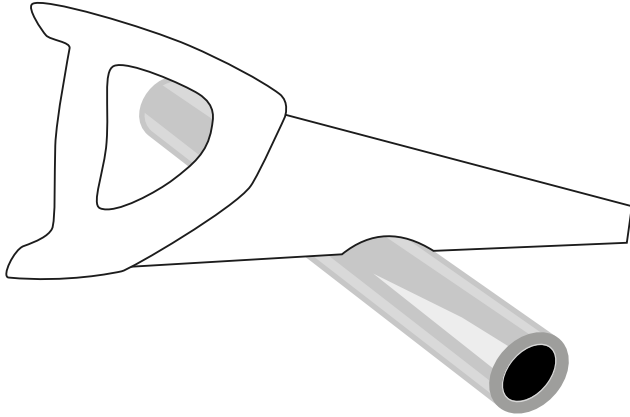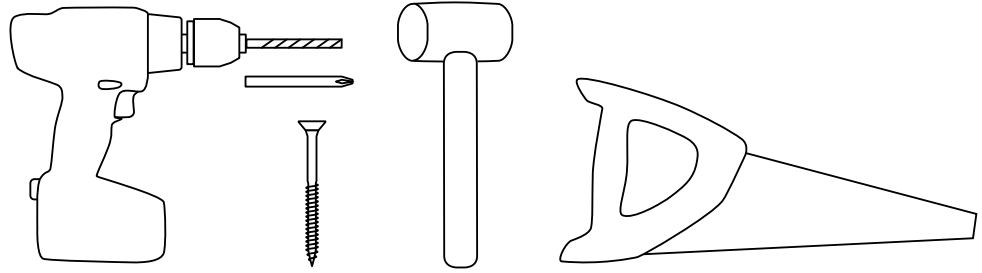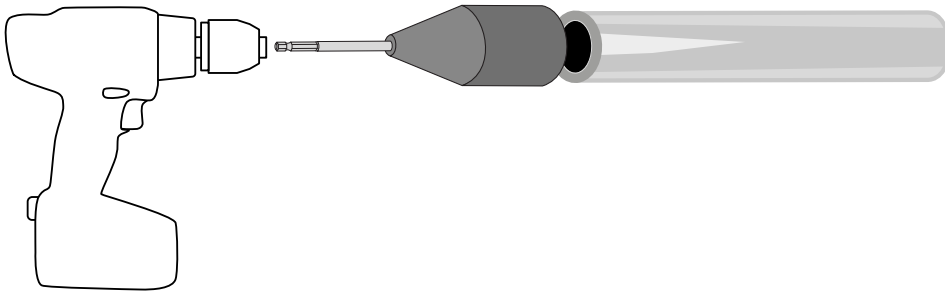Artikel nr.: 17140

K-Drill

Used when drilling K-Tubes ends to fit -Stops.
Article no.: 17150
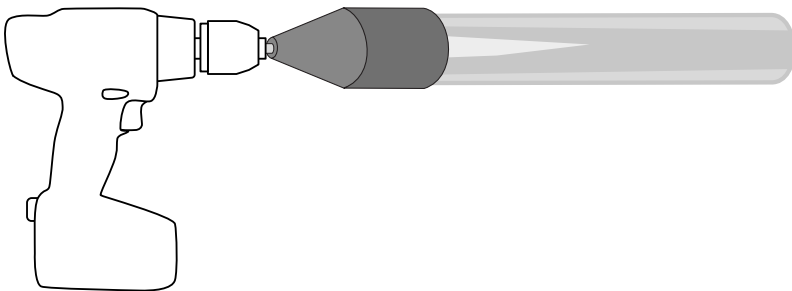
HOW TO USE K-SYSTEM
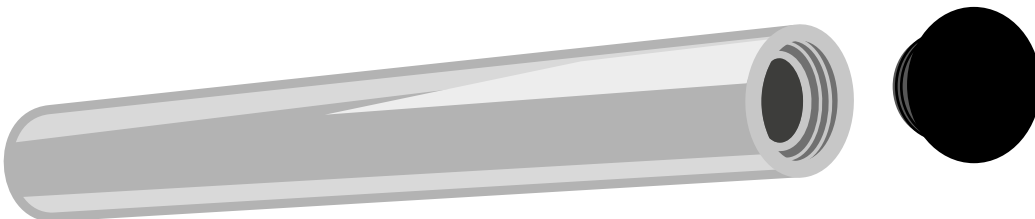
Tools needed:

Saw the tubes into the needed lenghts.

The tubes need to be drilled in both ends with the K-Drill, to mount the K-Stops.

Mount the K-Drill on the Drill, press the tube into the K-Drill, and drill.
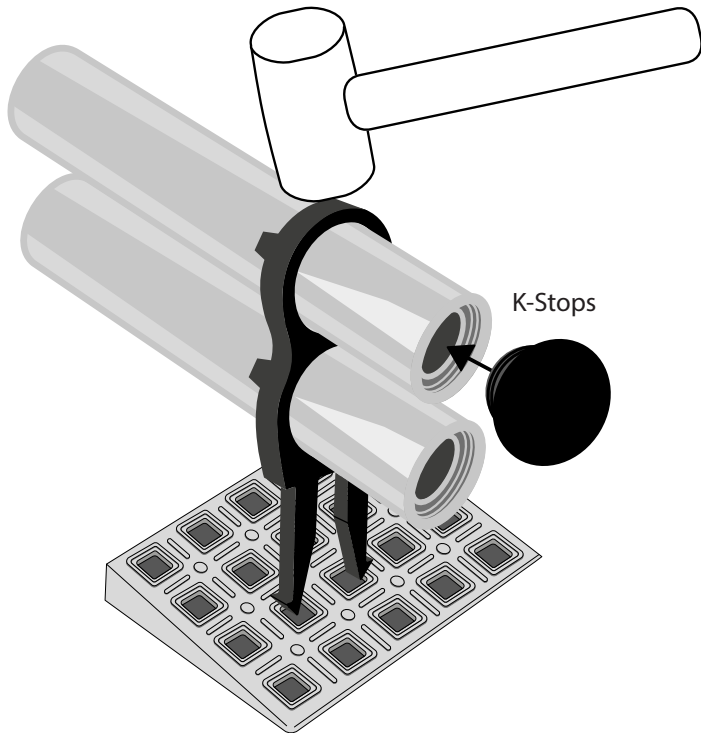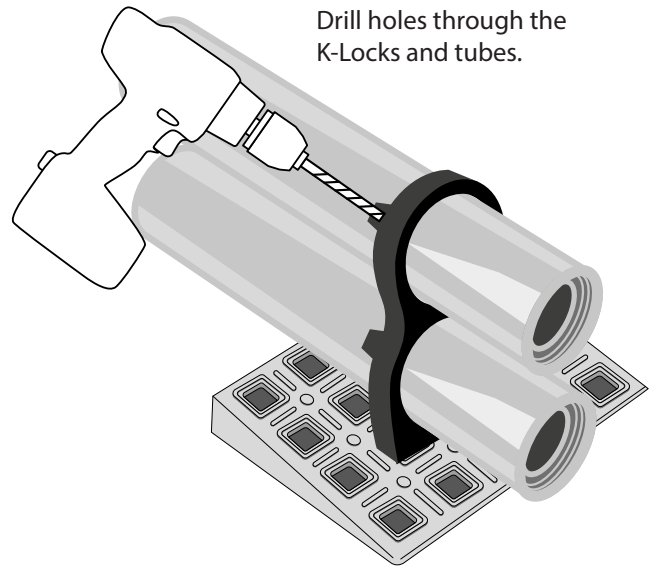
Now the tubes are ready to have the K-Stops mounted.

Instructions for Excellent Ramp system

HOW TO USE K-SYSTEM

K-Locks have to be mounted at least two holes from the edge of the ramp.
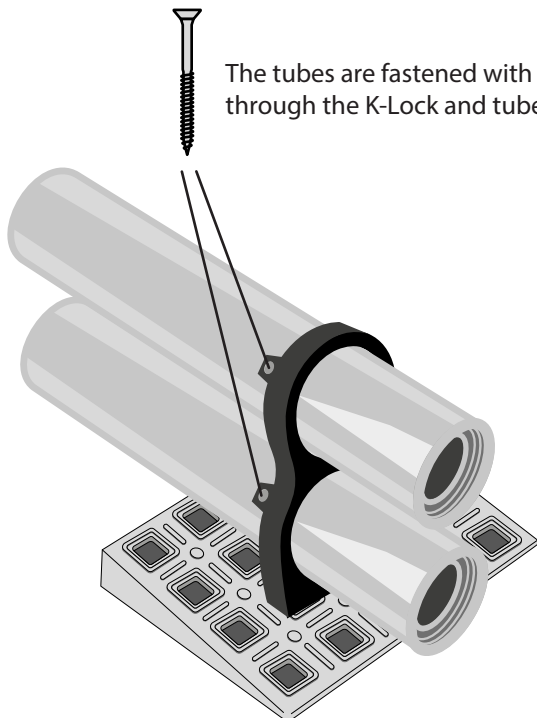This will give the edge the strenght to widthstand severe influen es.

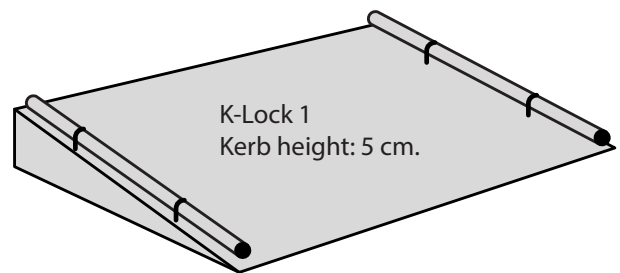Use a rubber hammer to fasten
the K-Locks.

K-Stops

Drill holes through the
K-Locks and tubes.

The tubes are fastened with a screw
through the K-Lock and tubes.

K-Lock 1
Kerb height: 5 cm.

K-Lock 2
Kerb height: 10 cm.