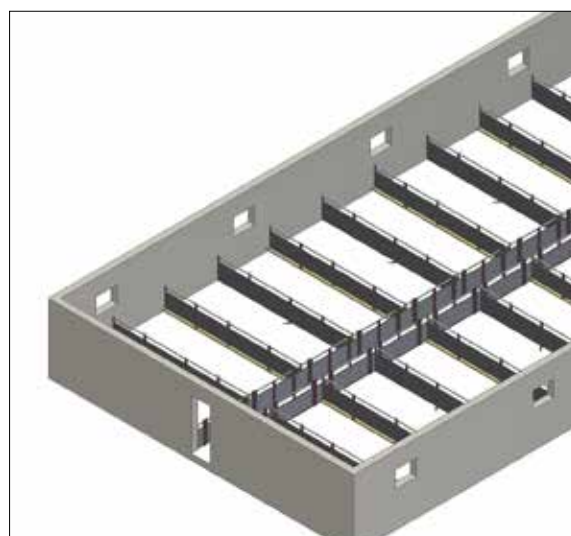
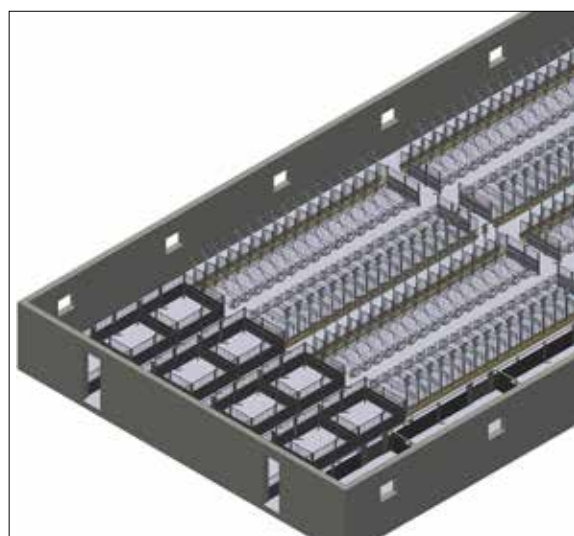
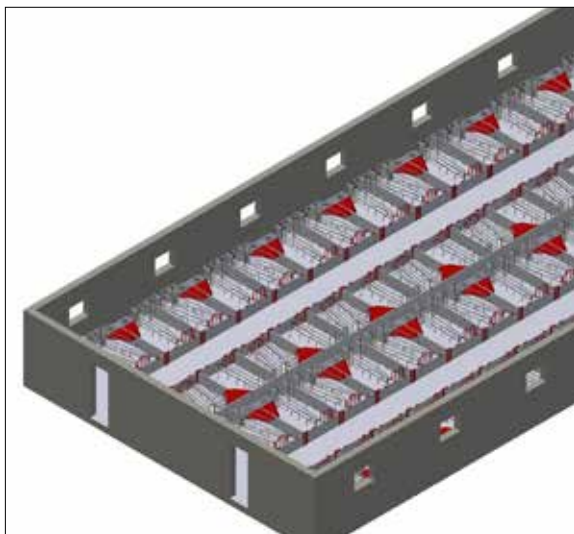


MOUNTING INSTRUCTION



PEN EQUIPMENT OVERVIEW AND RULES

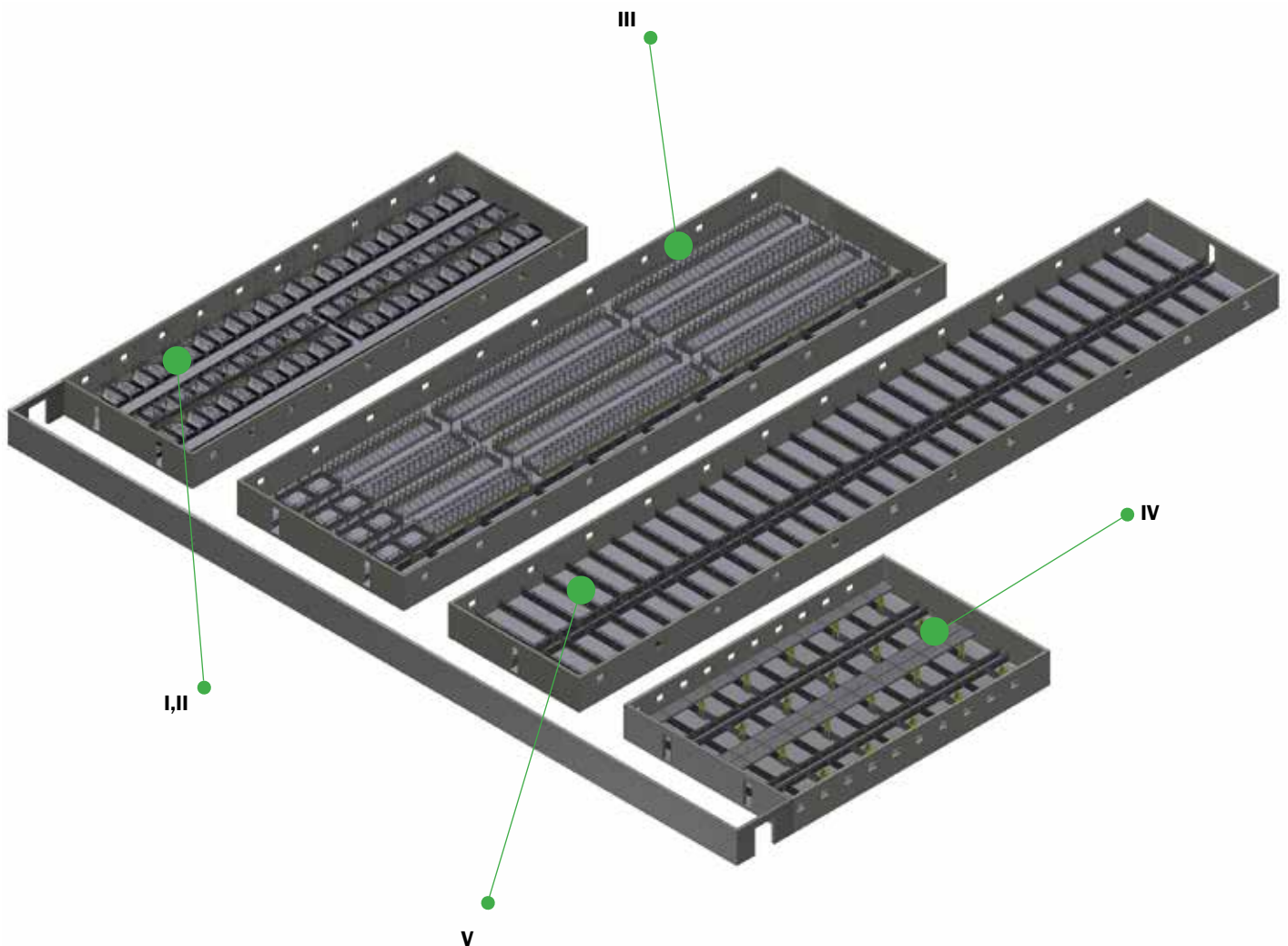


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DANISH DESIGN | GERMAN QUALITY | GLOBAL EXPERIENCE

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Overview

M-6250	Overview of pen equipment
I	SOWS FARROWING
M-6166	REPAIR KIT FARROWING RAIL
M-6184	INN-O-CORNER
M-6204	ACO FUNKI FARROWING PEN BOX
M-6205	INN-O-CRATE
M-6208	PIGLET WATER
M-6213	FUNKI FARROWING
M-6215	INN-OCRATE FAREBOKS
M-6217	IINN-O-CRATE WITH TILT TROUGH
M-6218	FUNKI FARROWING WITH TILT TROUGH
M-6219	BITE NIPPLE FOR SOWS IN FARROWING PENS
M-6220	DRINKING BOWL M20 FOR SOW AND PIGLET IN FARROING BOX
M-6226	FIBER FARROWING PEN BOX
M-6227	INN-O-CRATE SIDEACCESS
M-6231	INN-O-CRATE WITH FRONT GATE INWARD TILTED TROUGH
M-6232	INN-O-CRATE WITH FRONT GATE OUTWARD TILTED TROUGH
M-6233	FARROWING_SS
M-6236	MOBILE_NEST
M-6239	FARESTI_F-208
II	SOWS LOOSE FARROWING PANS
M-6178	WELSAFE FLEX NEST
M-6178-1	WELSAFE ACCESSORIES BOX
M-6228	FLEX NEST AND XL FLEX NEST
M-6244	WELSAFE CRATE
M-6245	WELSAFE MOVE
M-6246	WELSAFE FIBER
M-6247	WELSAFE PLANKE
M-6251	COMFORT FARROWING
M-6252	COMFORT FARROWING FIBER (CORNER TROUGH)
M-6253	COMFORT FARROWING FIBER (NEST SIDE)
M-6254	COMFORT FARROWING FIBER (AISLE TROUGH)
III	SOWS GESTATION BARN
M-6177	LD BOX
M-6183	FRONT BARS WATER
M-6190	JUMB-O-FINE
M-6191	MATING GATE
M-6194	FRONT GATES

M-6195	BLOCKING GATE
M-6196	INN-O-FLEX 35 MM
M-6197	INN-O-FLEX 40 MM
M-6198	INN-O-FLEX 10 MM
M-6214	FREE ACCESS BOX
M-6221	COMPACT BOX
M-6222	CONFINER BOX
M-6224	FEED PARTITION
M-6237	TILT TROUGH BOX
M-6238	INN-O-FLEX STEEL
M-6243	INN-O-FLEX FIBER
M-6249	MAG BOX
IV	WEANER PENNING EQUIPMENT
M-6167	BIOLINE TROUGH
M-6175	FUNKIFLEX WEANER
M-6188	FLEXCOVER
M-6202	CLEAN-O-FLEX-750 WITH TWIST GATE
M-6203	CLEAN-O-FLEX-750 GATE FULL PEN
M-6211	FUNKI FIBER 750
M-6229	SUBTRACTIONS FUNKI FIBER QUICK GUIDE
M-6240	WOOD COVER
M-6242	OPENING SYSTEM
V	FINISHER PENNING EQUIPMENT
M-6174	FUNKIFLEX FINISHER
M-6199	CLEAN-O-FLEX-1000 WITH TWIST LOCK GATE
M-6200	CLEAN-O-FLEX-1000 WITH GATE FULL PEN
M-6201	CLEAN-O-FLEX-1000 WITH PIN LOCK
M-6207	FUNKI FIBER 870/995
M-6209	REVERSIBLE BLOCKING GATE
M-6225	FUNKI FLEX 850
M-6230	CLEAN-O-FLEX-850 WITH PIN LOCK
VI	DIVERSE
M-6187	WINCH SYSTEM
M-6216	MANIPULATION MATERIALS
M-6223	ORGANIC PEN EQUIPMENT
M-6248	REPLACEMENT SET OF STAINLESS VALVE

Introduction

1. Review the drawing in relation to the delivery note and create an overview of where the different types of fixtures should be placed.

2. Tools needed to mount the fixture:

- Chalk line
- Measuring tape
- Various drills for metal, fibreboard, PVC plank, concrete.
- Fixed keys
- Slotted screwdriver
- Torx 27 and 50 key or screw bits
- Buckle
- Spirit level

If equipment are to be mounted on concrete slats floor, holding tools for T-bolts or slat-anchor must be used.

Measurement

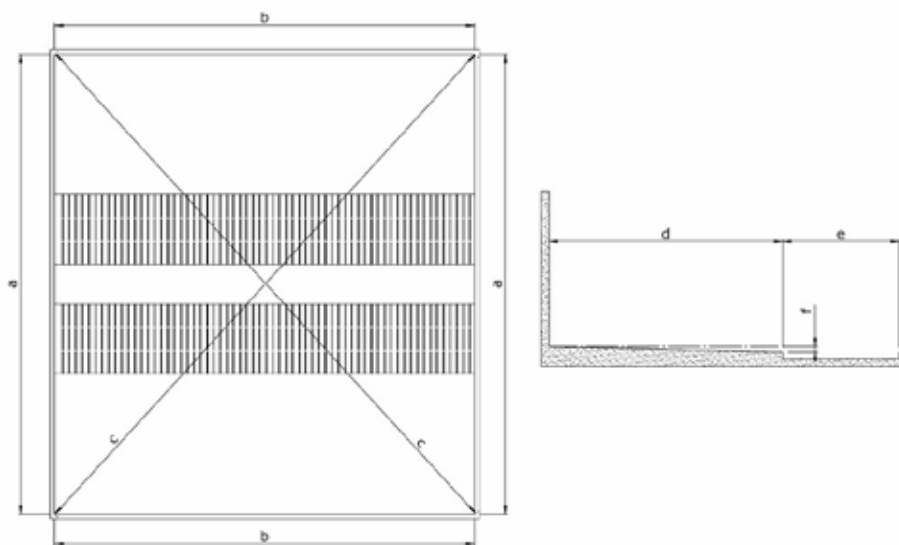
Before the installation begins, it is important to check whether the barn's dimensions have been met.

If there are targets that are not met, it will cause problems for the assembly. It is therefore important that such errors are detected as early as possible and that a decision is made on how the problem can be solved.

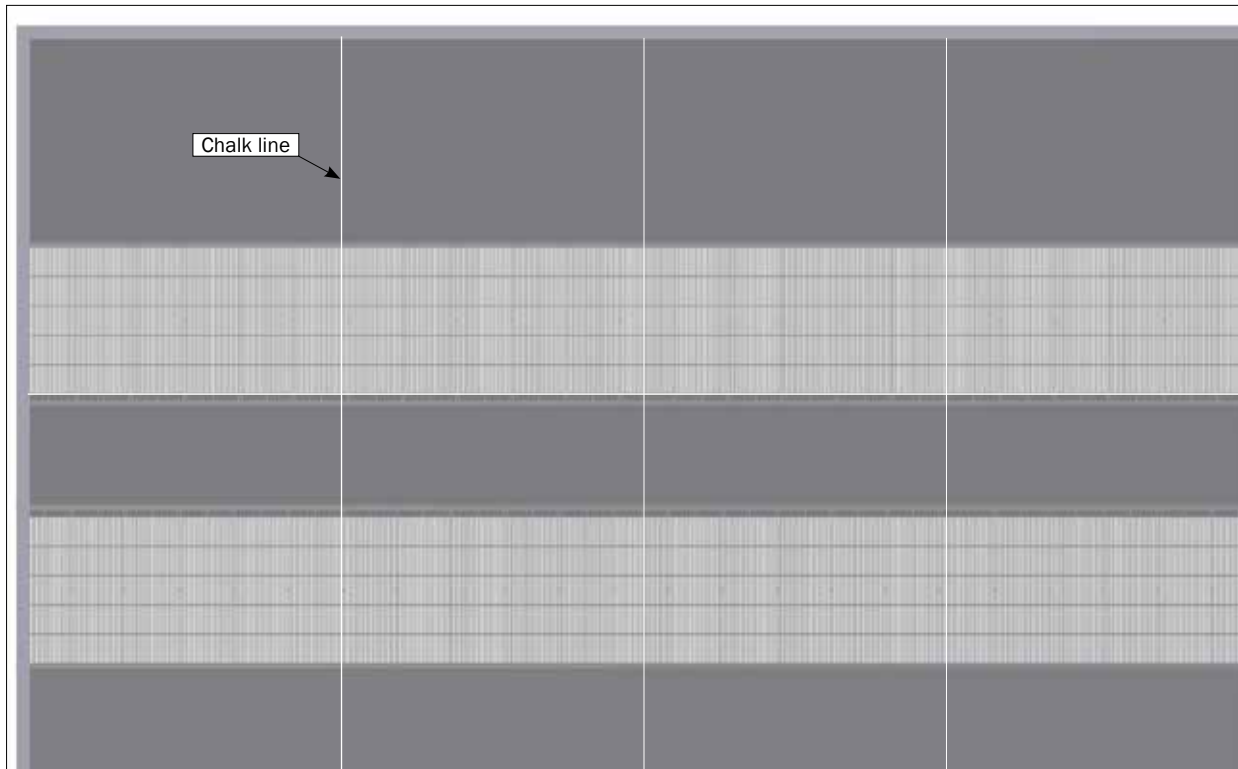
Measures to be checked:

- a: Section width
- b: Section length
- c: Cross measure ($A^2+B^2=C^2$)
- d: Fixed bed with drop
- e: Slats floor.
- f: Floor drop.

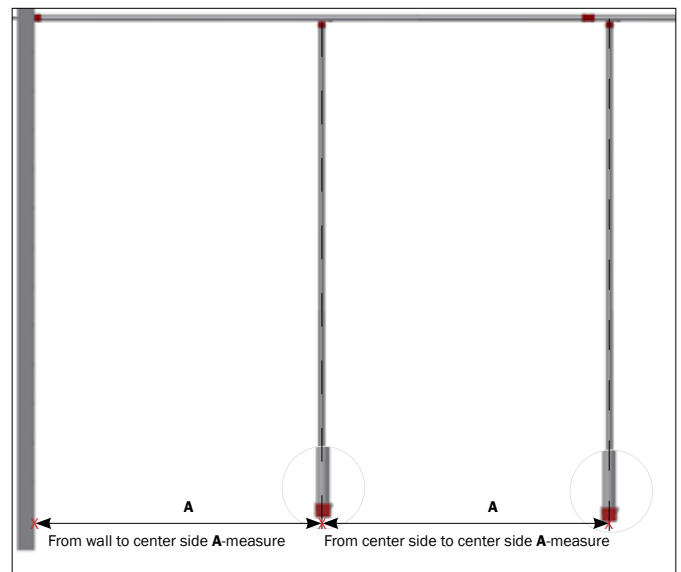
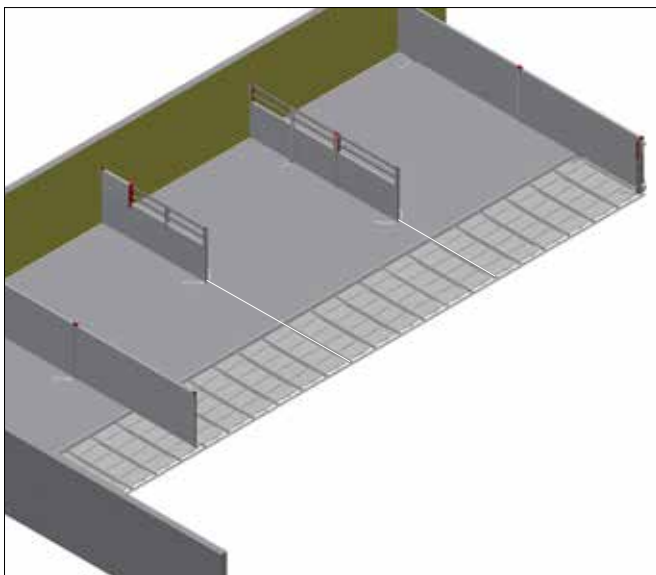
Example: $A = 1100 \text{ cm}$, $B = 3000 \text{ cm} \Rightarrow C = \sqrt{1100^2 + 3000^2} = 3195,3 \text{ cm}$



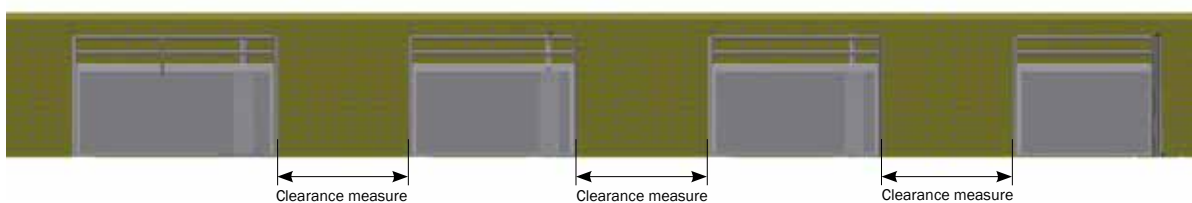
Installation of penning equipment



Measure along the wall where the side part and rear part are to be placed and mark with a chalk line on the floor.

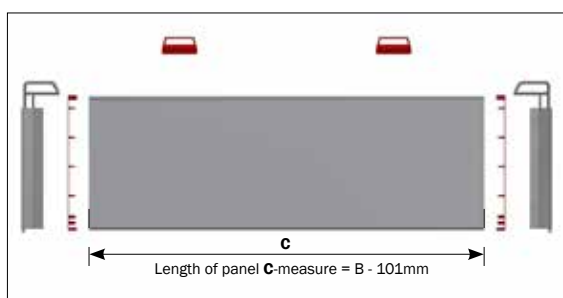
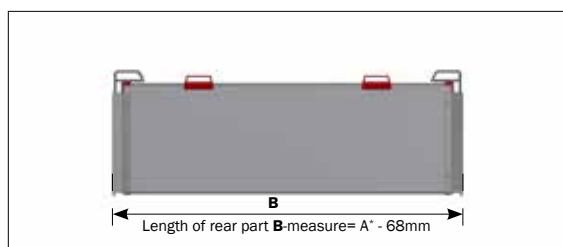
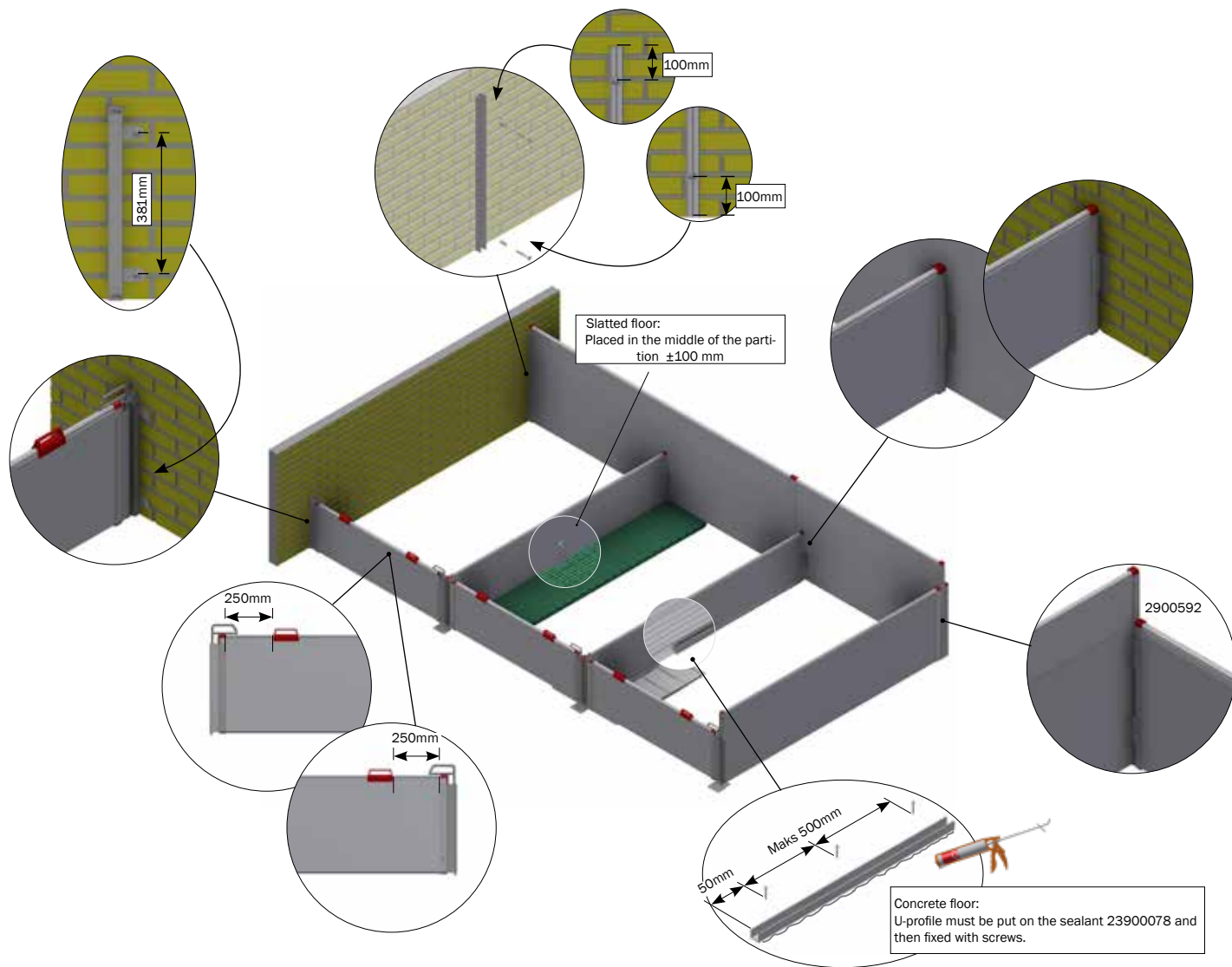


Place the side part according to the chalk lines.

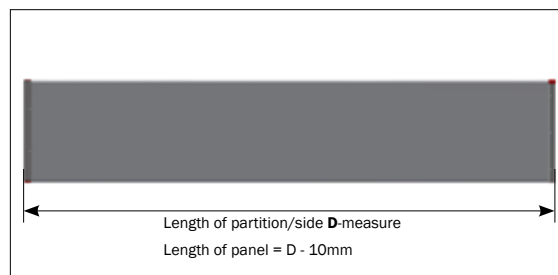


Clearance measure for the gates - the length from post to post.

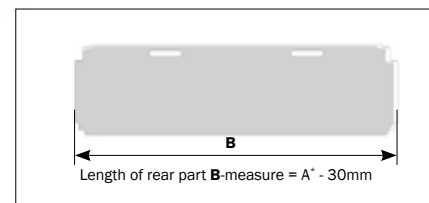
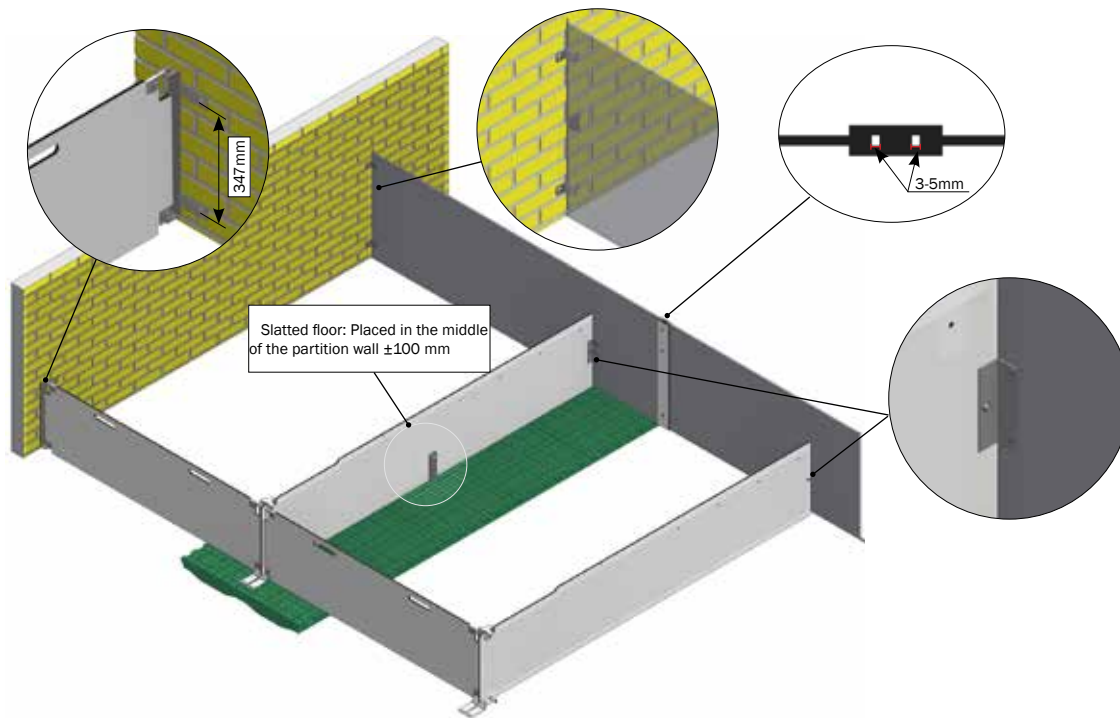
PVC panel penning equipment for sows. AF-farrowing pen box



* A-measure - see page 5

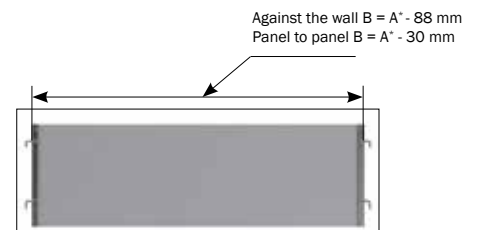
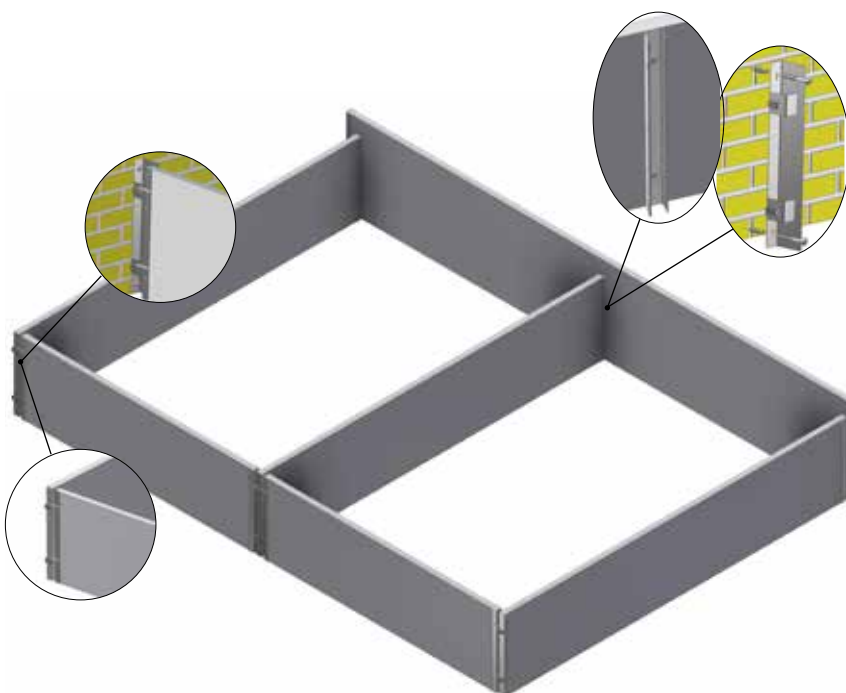


Fiber plate penning equipment for sows. AF-farrowing pen box

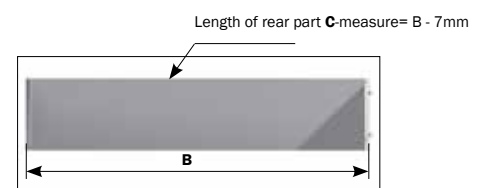


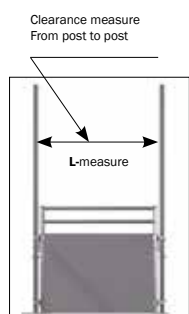
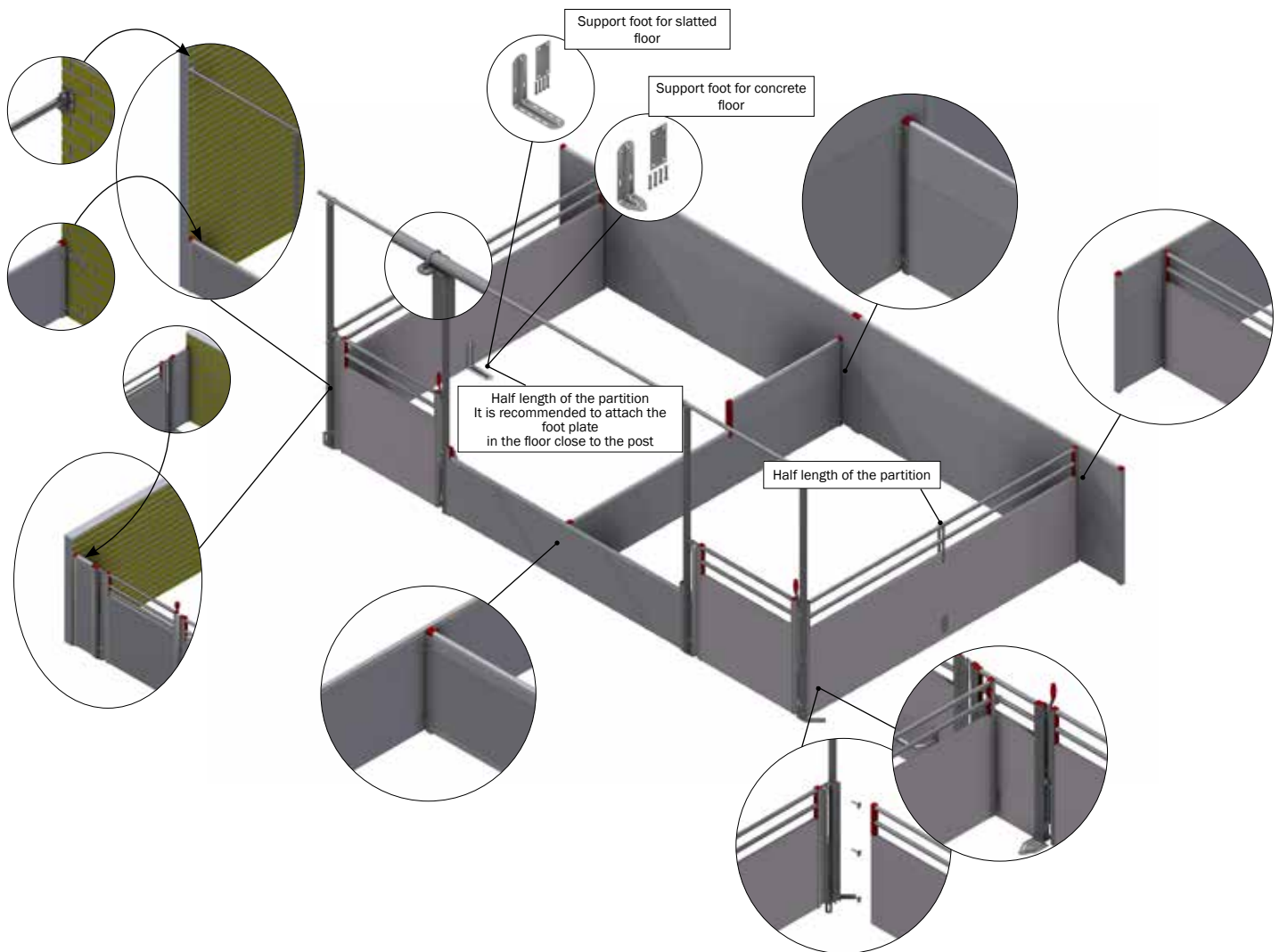
* A-measure - see page 5

Panel penning equipment til sows. AF-farrowing pen steel

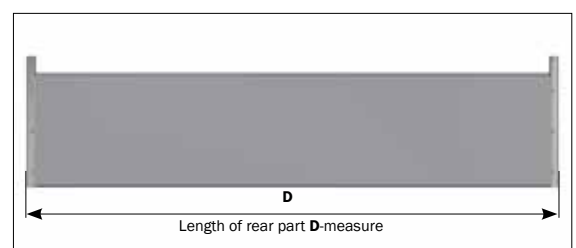
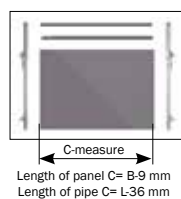
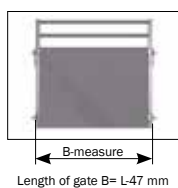


* A-measure - see page 5

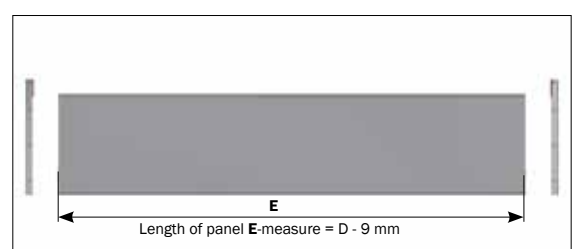
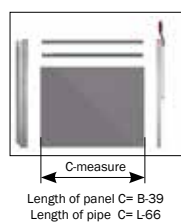
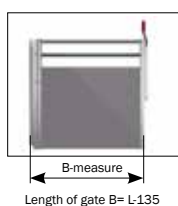


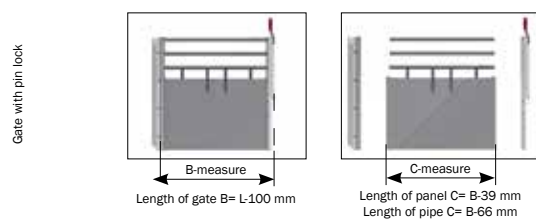
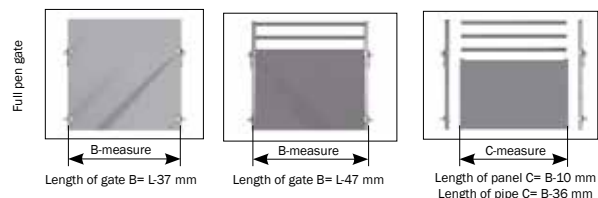
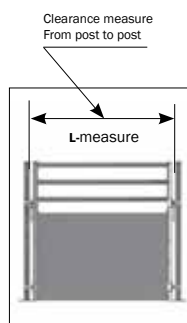
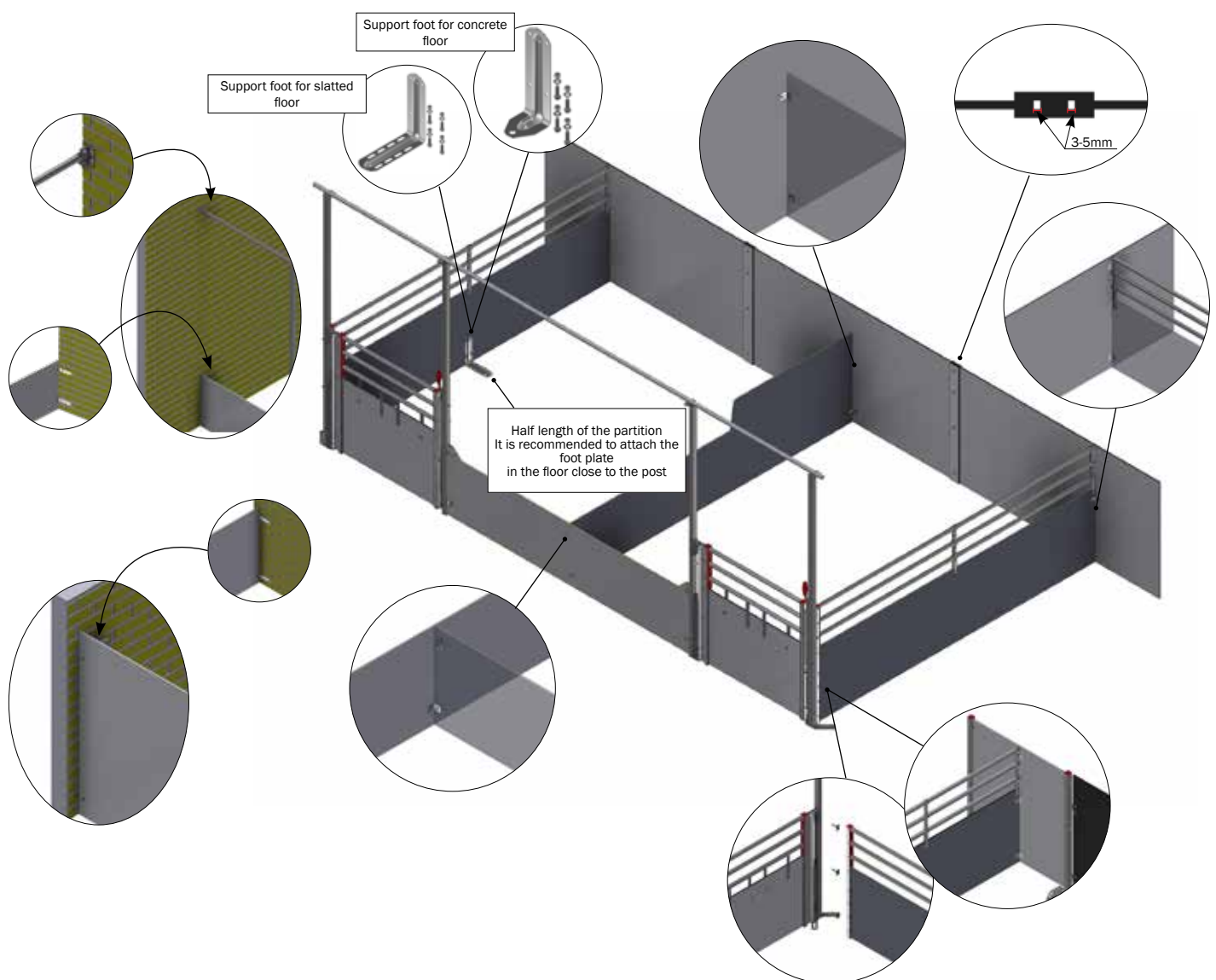


Full pen gate



Gate with pin lock

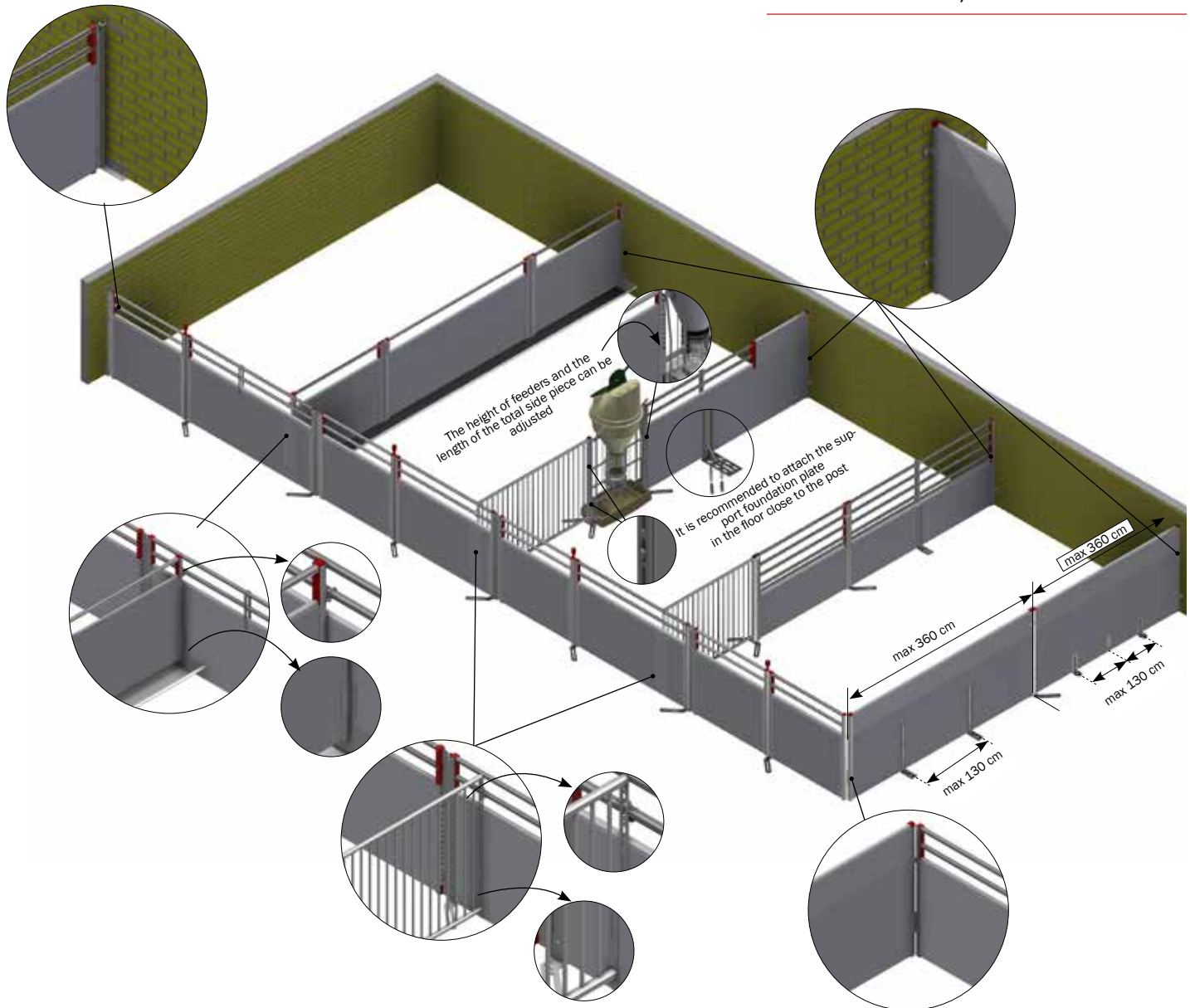




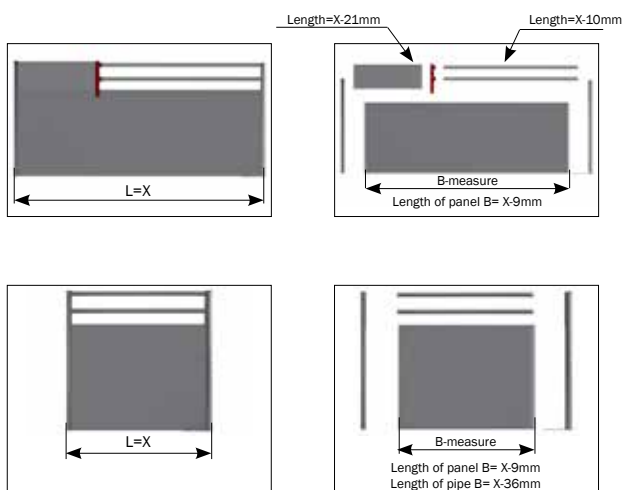
PVC panel penning equipment for weaner og finisher. Clean-O-Flex

Clean-O-Flex 750 - weaner

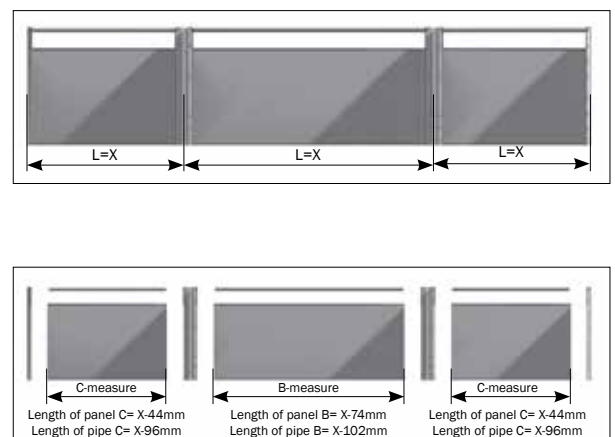
Clean-O-Flex 850/1000 - finisher



Partition/Front part with post/U-profile



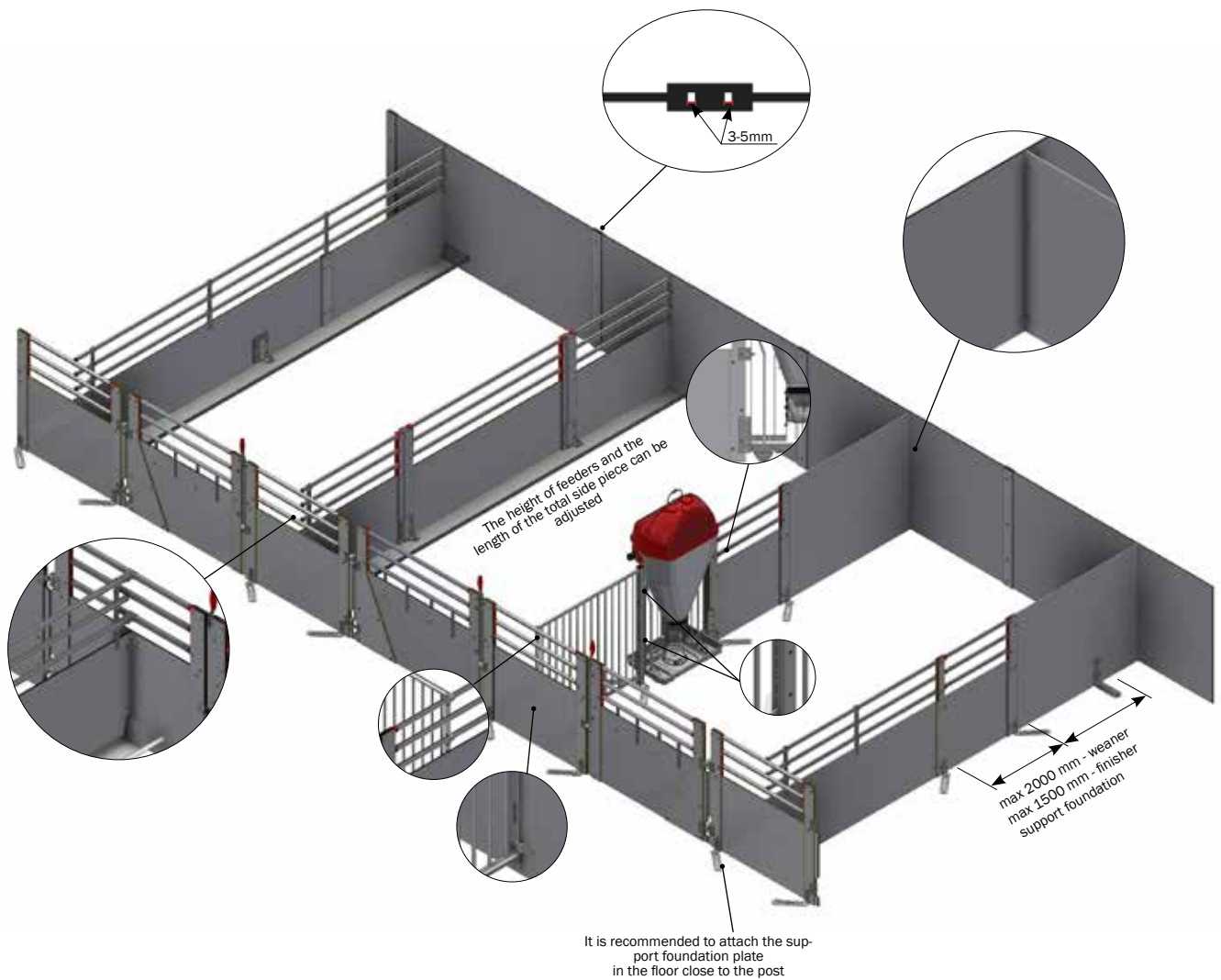
Liquidfeed wall



Fiber plate penning equipment for weaner og finisher. Funki fiber

Funki Fiber 750 - weaner

Funki fiber 875/1000 - finisher



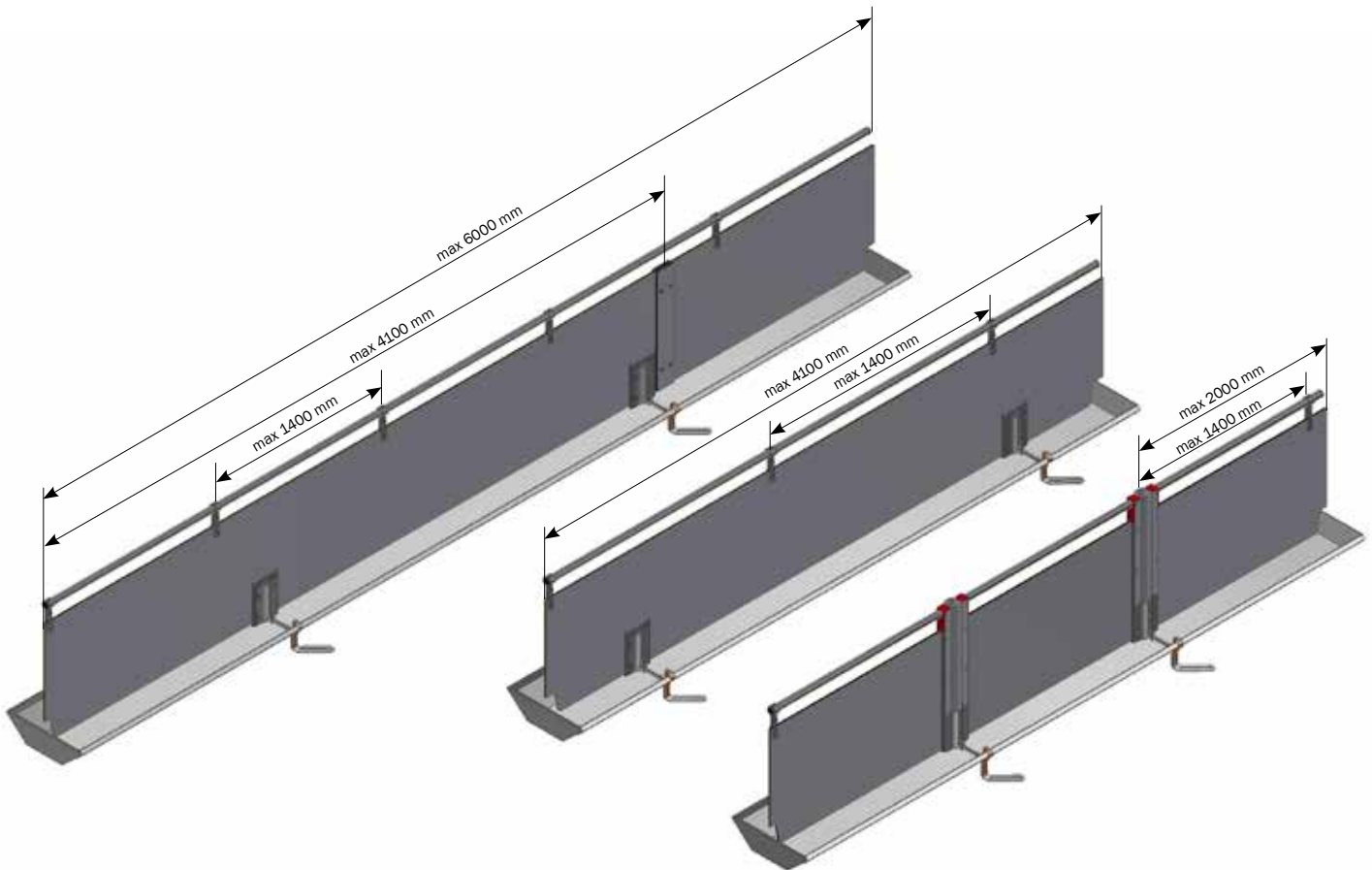
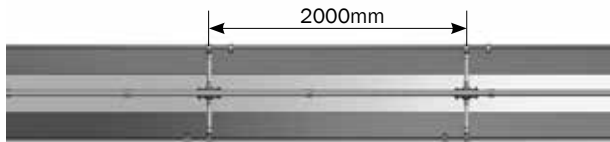
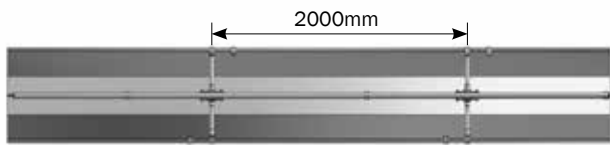
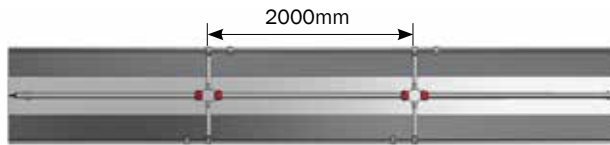
NOTE:

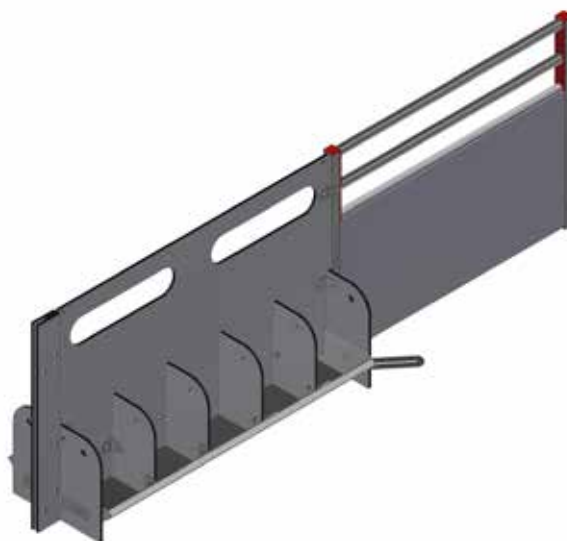
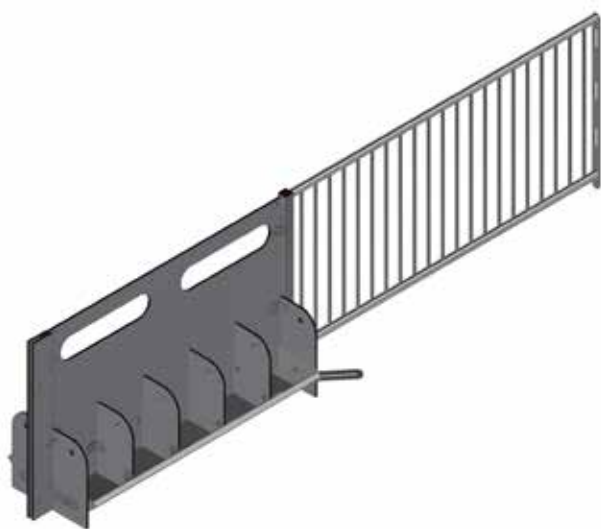
- Plate length: max 4100 mm (The plate length should be near 4100 mm to avoid waste)
- Distance between foundation sets: max 2000 mm (If the distance exceeds 2000 mm, a support foundation is mounted)
- Pipe length: max 6000 mm (Bracing per max 1400 mm)
- Front part length: max 6000 mm (Stiffening bracket per max 1400 mm)
- Gate length: 1200 / 1300 / 600 - 1300 mm
- Front part receiver side > 400 mm, 4610404
- Front part receiver side < 400 mm, 4610407

Liquid feeding trough

NOTE:

- Plate length, plate with integrated drain: max 2000 mm
- Plate length: max 4100 mm (Plate length is kept close to 4100 mm due to material waste)
- Pipe length: max 6000 mm (Bracing per max 1400 mm)
- Distance between support set to trough: max 2000 mm

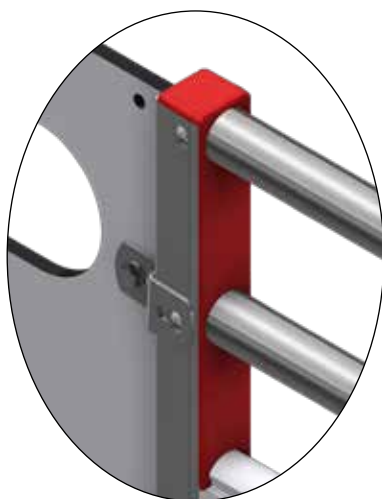
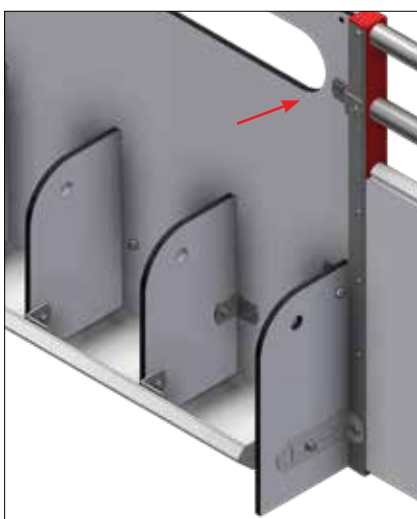




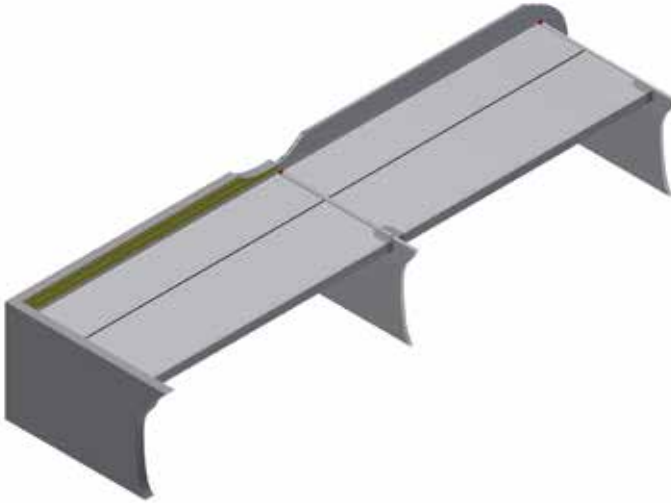
Mounted on post for fiber

Mounted on U-post

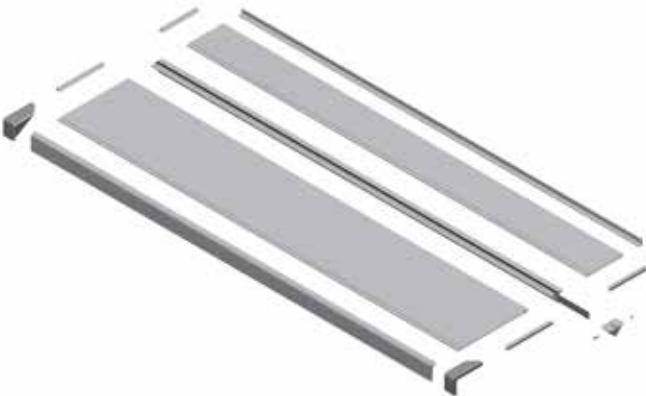
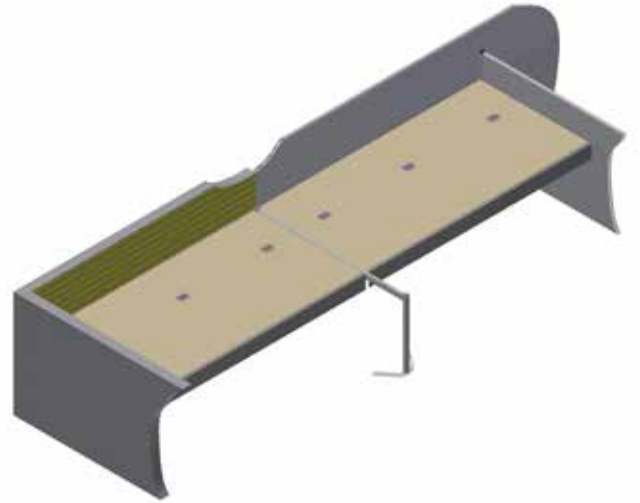
Mounted on post



Max. motor load 25 pcs.



Max. motor load 15 pcs.

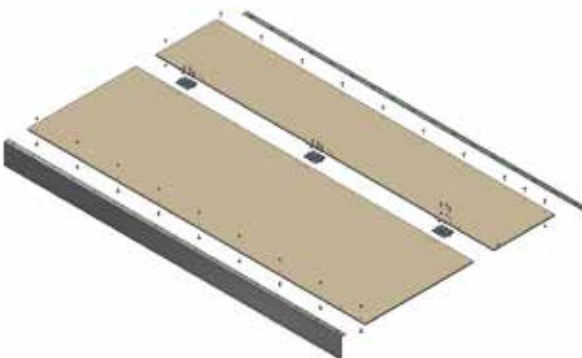


Cutting instructions of Flexcover

Between partition (35 mm panel):
 Length of climate cover = Pen width C/C - 55 mm
 Length of panel (X) = Length of climate cover - 4 mm

Pen against the wall (35 mm panel):
 Length of climate cover = Pen width wall to the center of partition - 38 mm
 Length of panel (X) = length of climate cover - 4 mm

For example:
 Pen width 2000 mm C/C, 35 mm panel
 Length of climate cover = $2000 - 55 = 1945$ mm
 Length of panel (X) = $1945 - 4 = 1941$ mm



Cutting instructions of wood cover

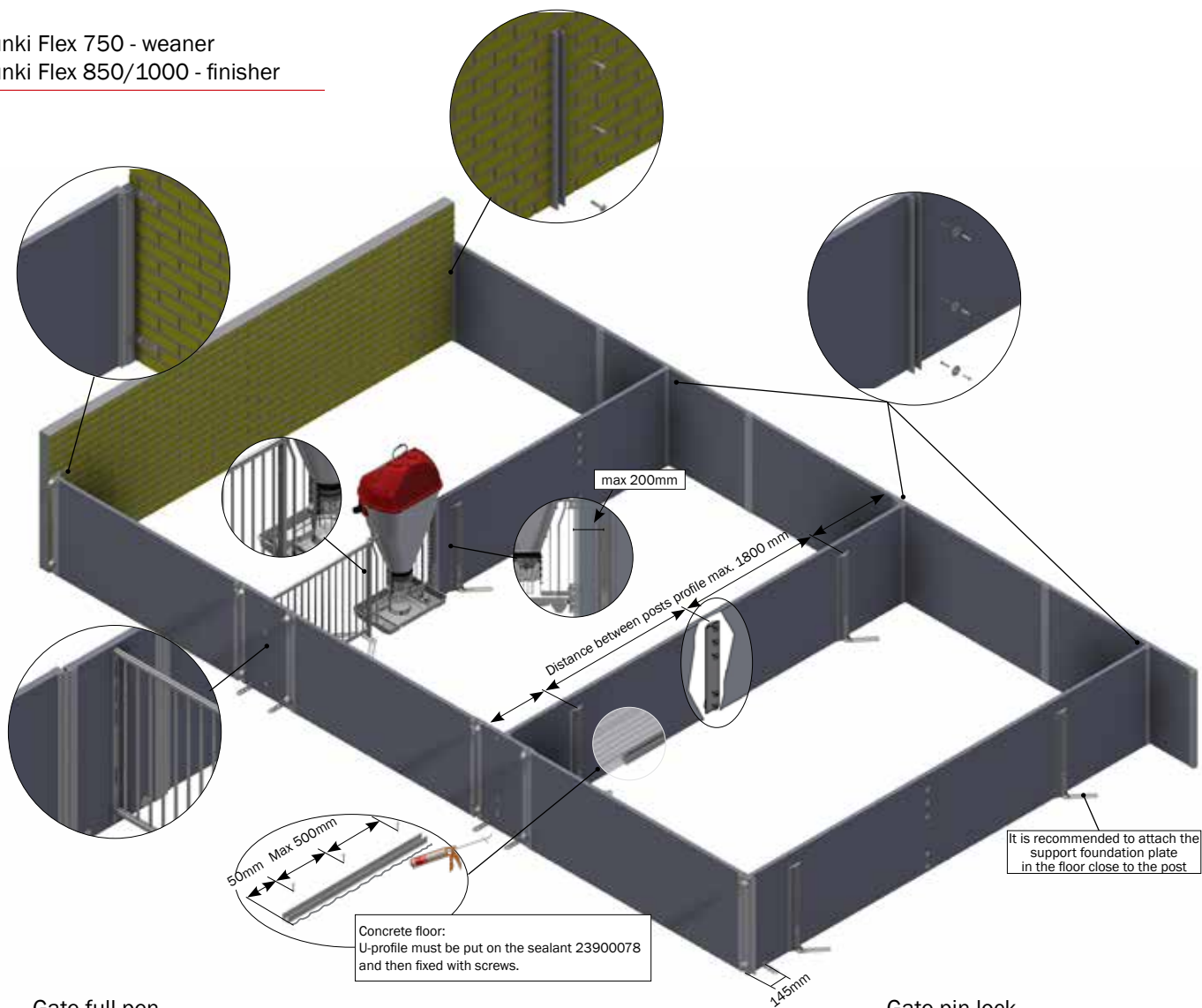
Between partition (35 mm panel):
 Length of climate cover = Pen width C/C - 45 mm

Pen against the wall (35 mm panel):
 Length of climate cover = Pen width wall to the center of partition - 25 mm

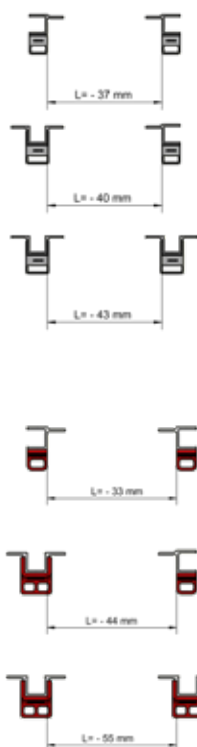
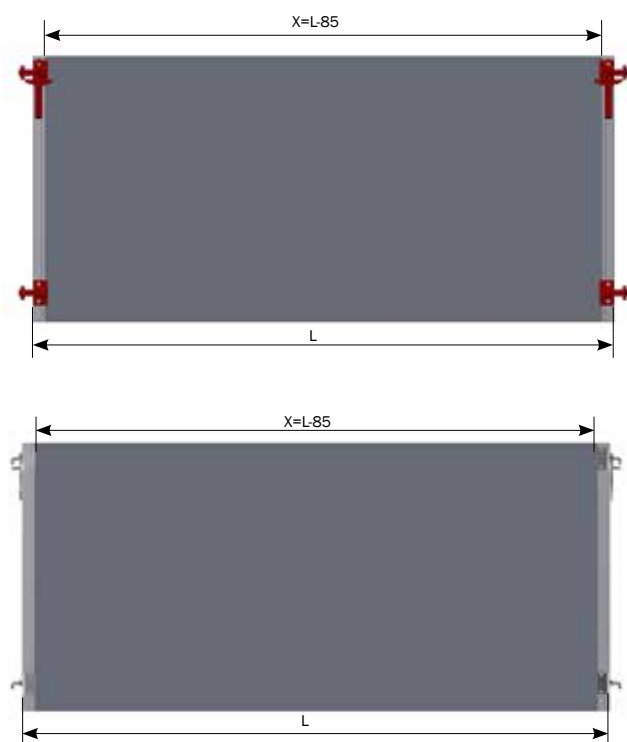
For example:
 Pen width 2000 mm C/C, 35 mm panel
 Length of climate cover wall = $2000 - 45 = 1955$ mm
 Length of climate cover boardprofile = $2000 - 25 = 1975$ mm

PVC panel. Weaner og finisher penning equipment

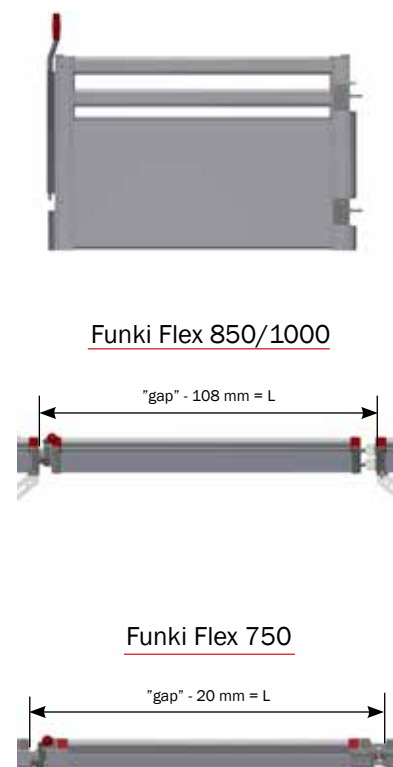
Funki Flex 750 - weaner
Funkki Flex 850/1000 - finisher



Gate full pen

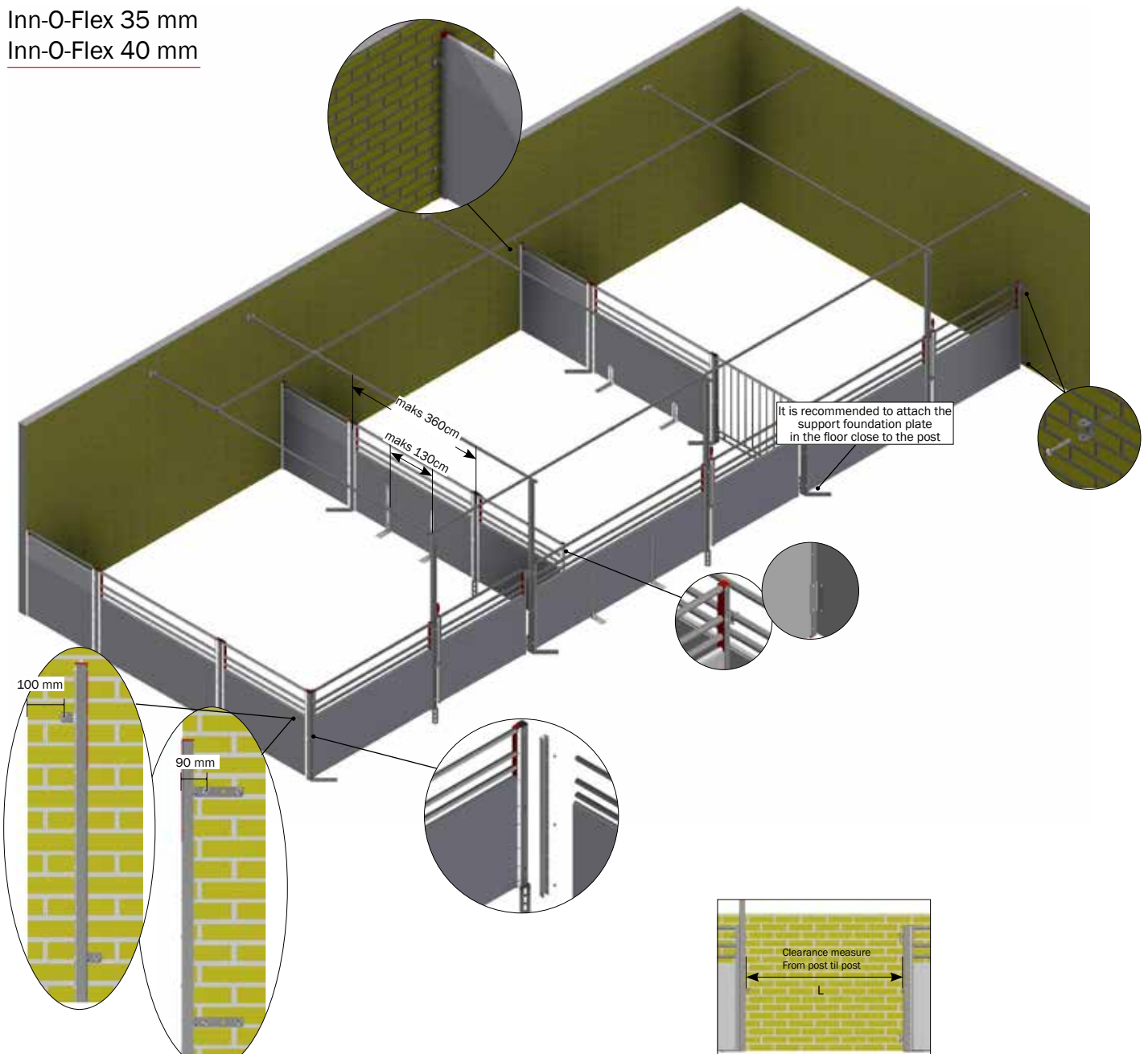


Gate pin lock

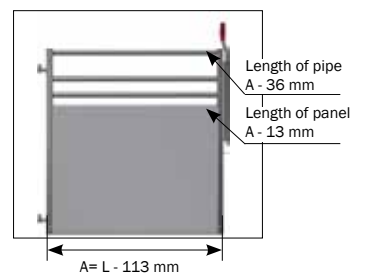
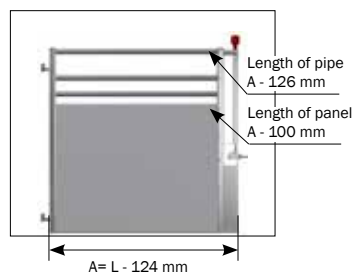
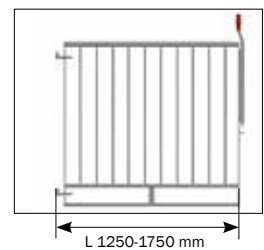
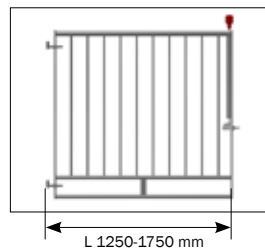
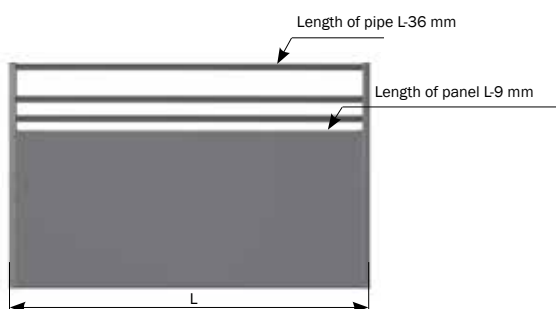


PVC inventar. Sows gestation barn

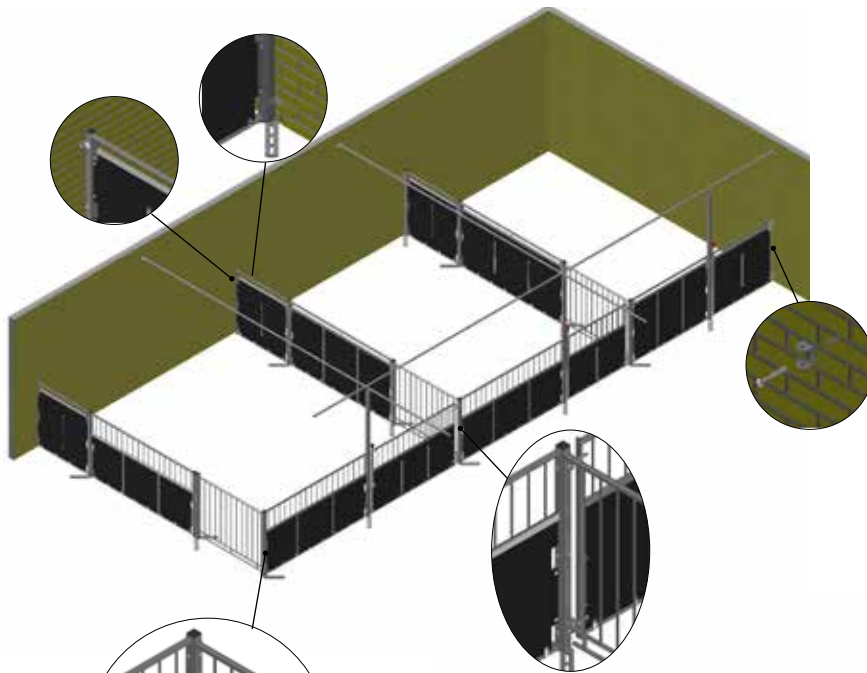
Inn-O-Flex 35 mm
Inn-O-Flex 40 mm



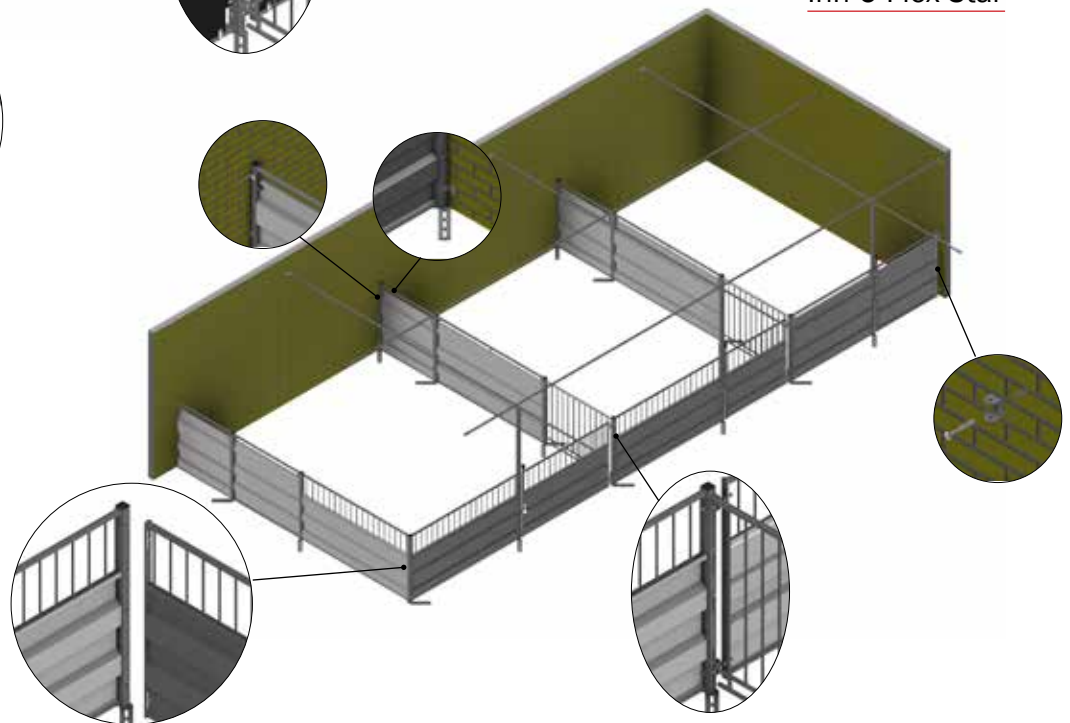
- For mounting the post, use "38520". Minimum 100 mm distance from edge of wall to bracket.
- Below 100 mm distance from edge of wall use "38519"



Inn-O-Flex 10 mm



Inn-O-Flex Stål

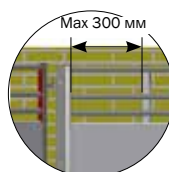
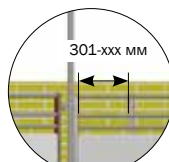


Installation of the gate



Inn-O-Flex 35mm

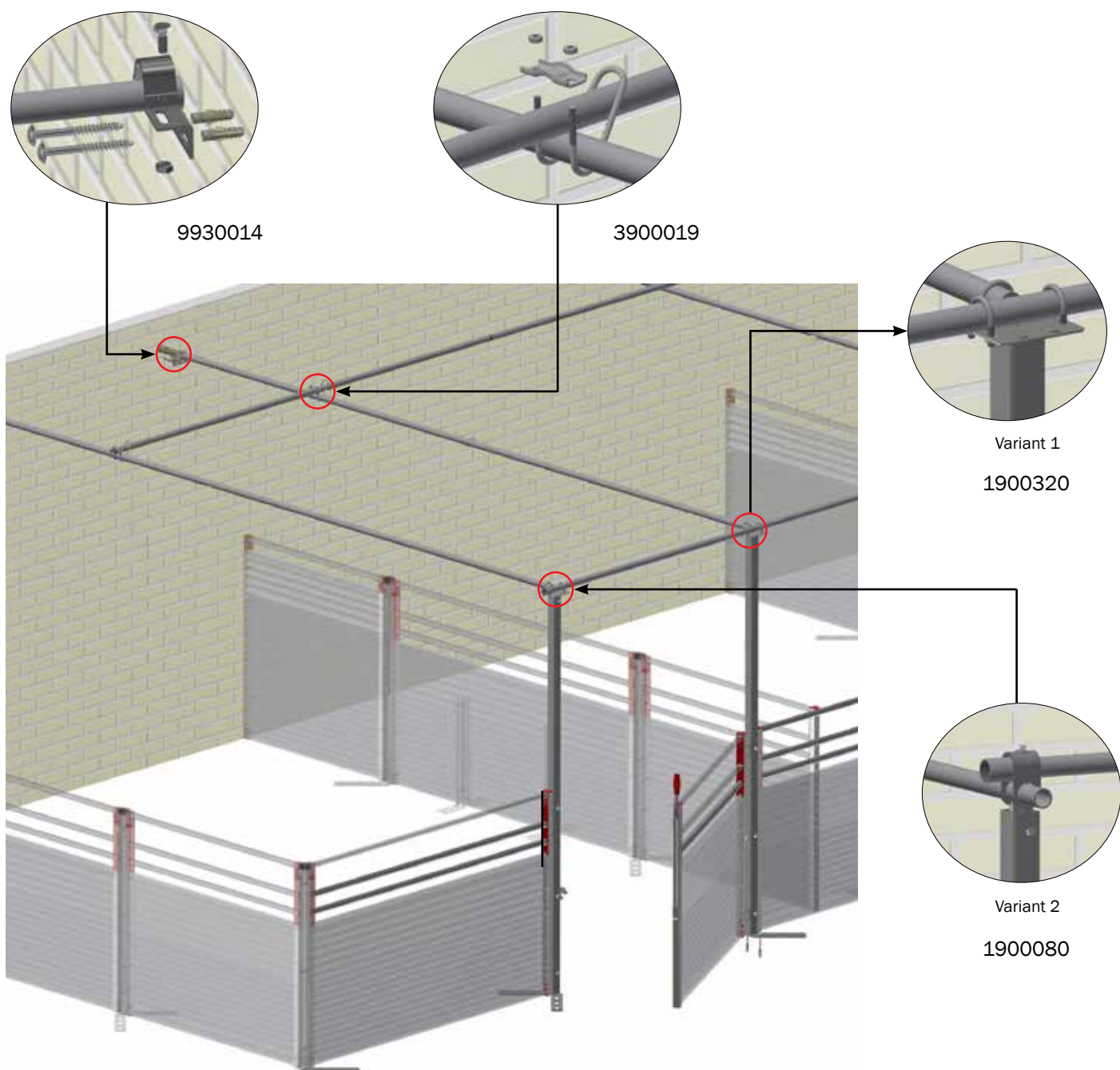
- Installation of the gate at the partition: Max distance between the partition and the post = 1/3 of the gate width
- Above 300 mm from the corner, only high post can be used for mounting the gate on the post
- Below 300 mm from the corner, a low post can be used for mounting the gate on the post.



Inn-O-Flex 10mm
Inn-O-Flex 40mm
Inn-O-Flex Stål

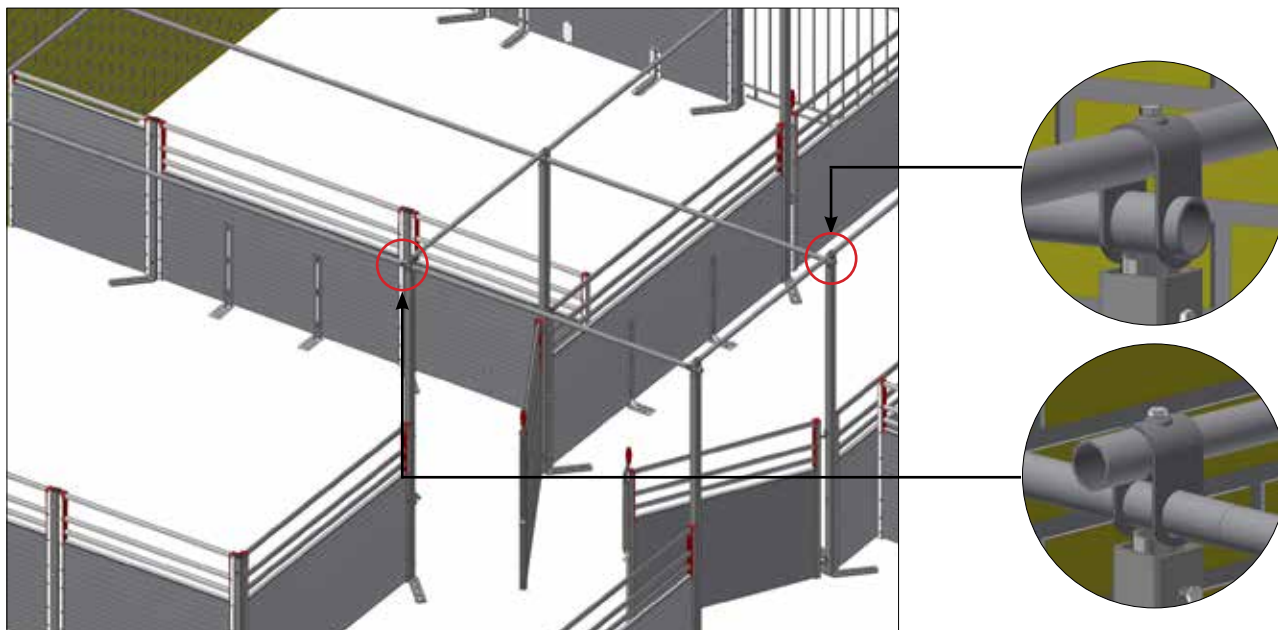
The gate is mounted directly on the cross

Stabilization of posts

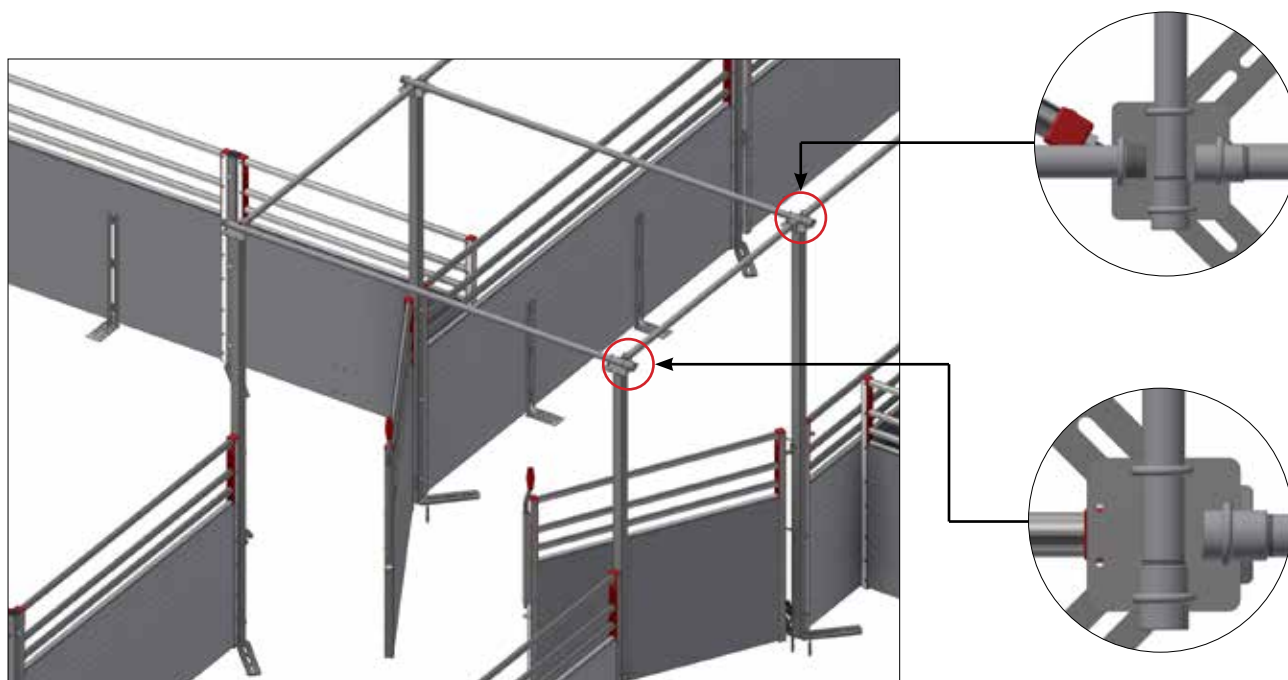


Stabilization of posts

Stabilization of posts where the pipe reaches the wall

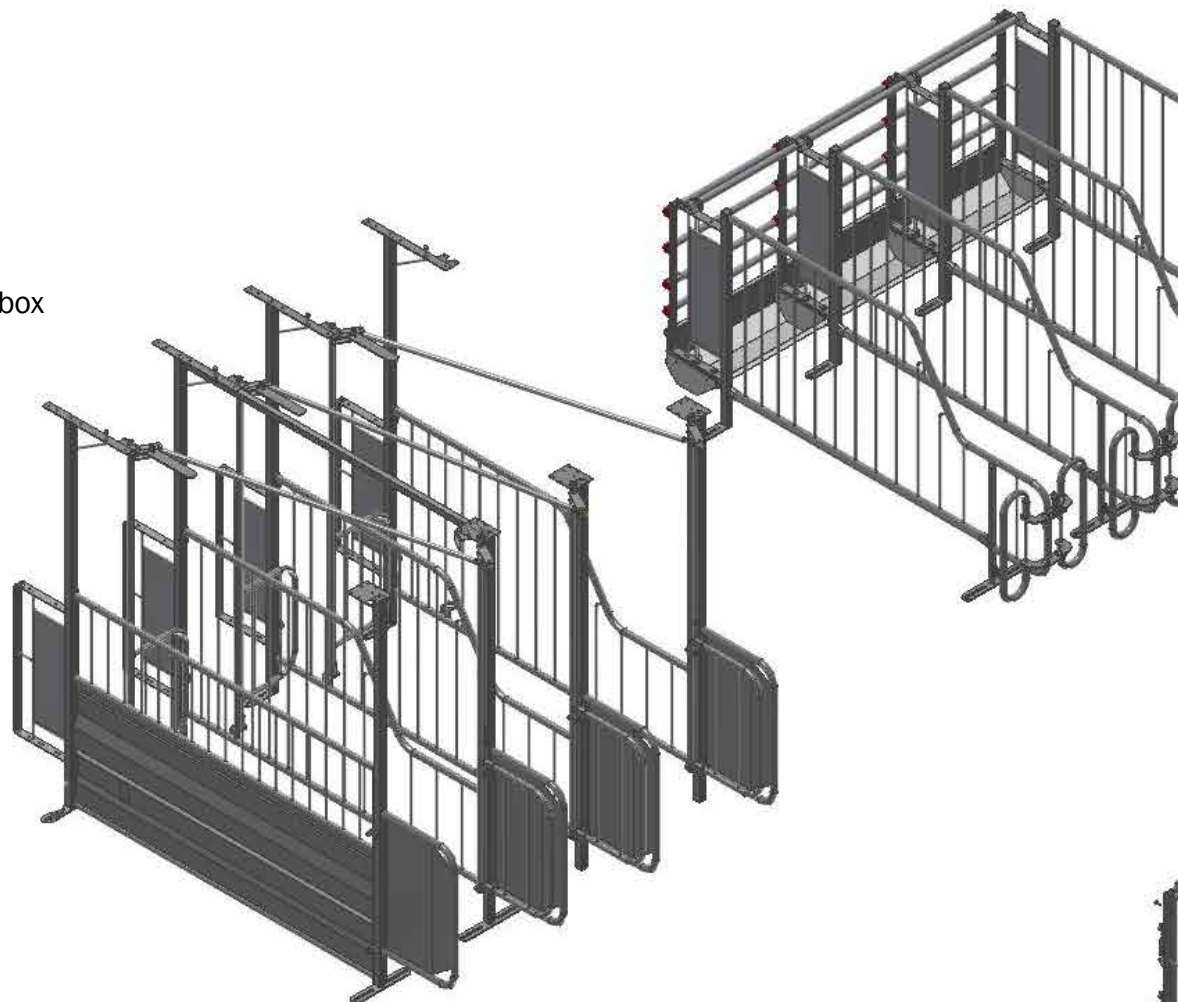


Stabilization of posts where the pipe does not reach the wall

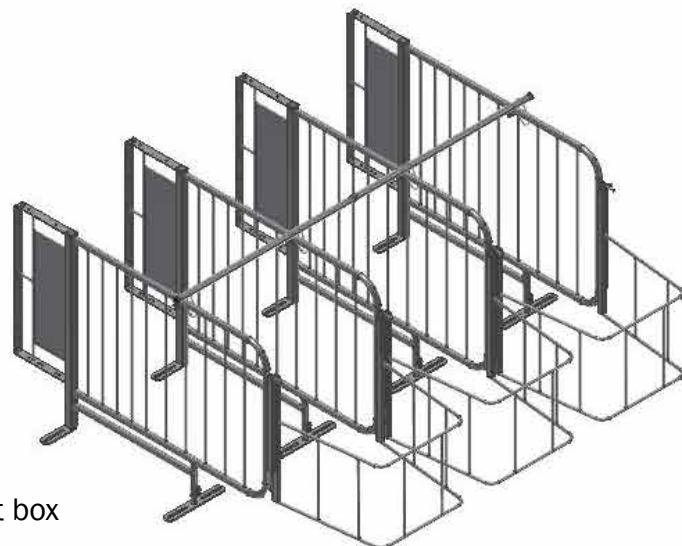


JUMB-O-FINE box

LD box

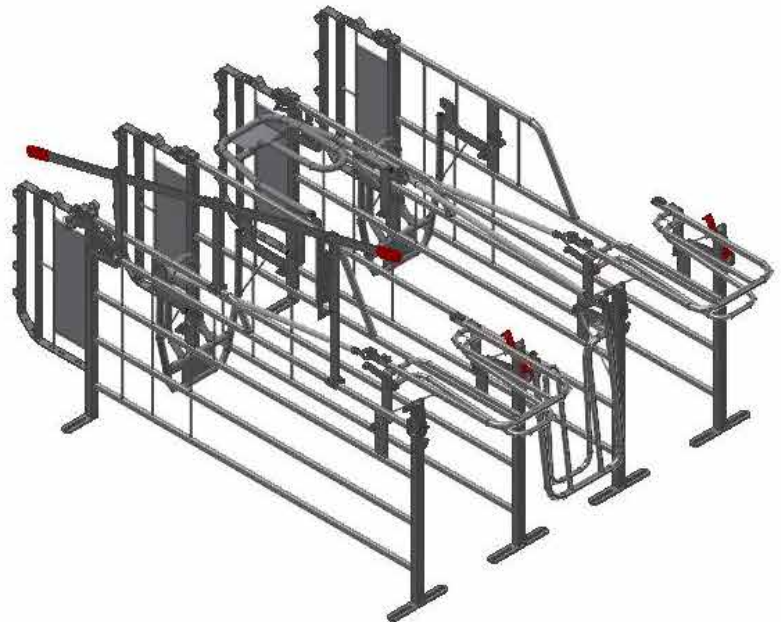
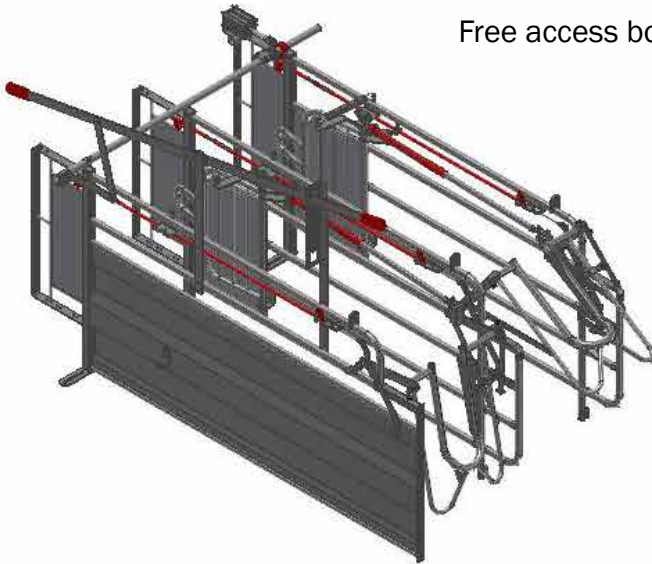


Compact box

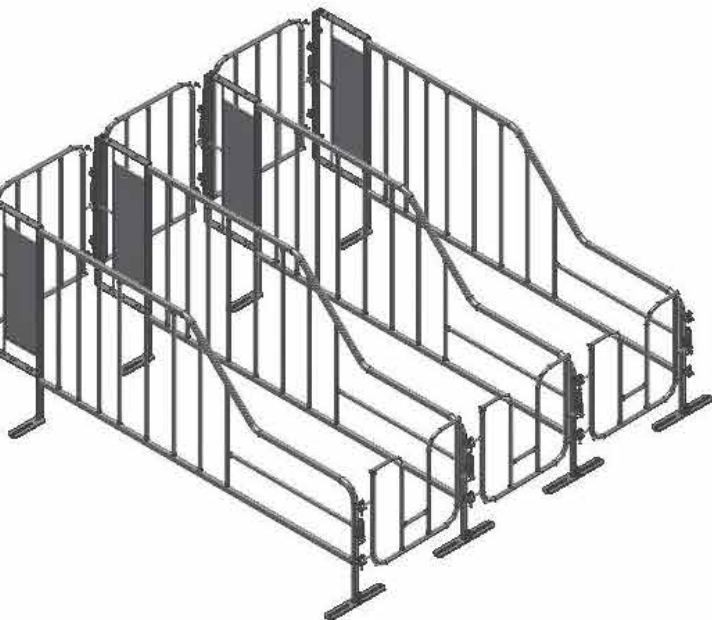


Overview of sow gestation barn

Free access box

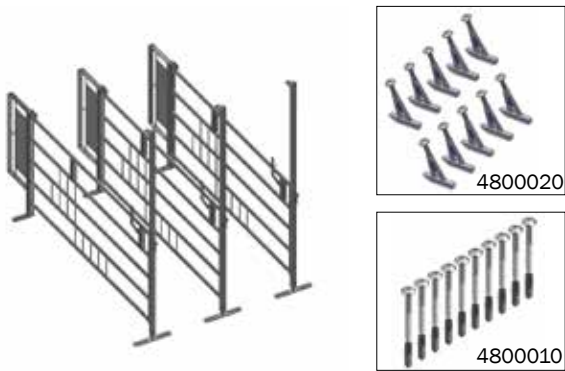


MAG box



Confine box

Mounted of partition



In the case of partitions against a wall, place the footplate right up against the wall.

If a partition is desired closer to the wall, the base plate is shortened in the square. **Min. 50mm**

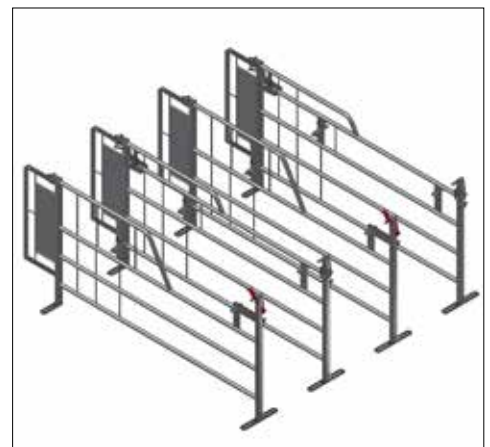
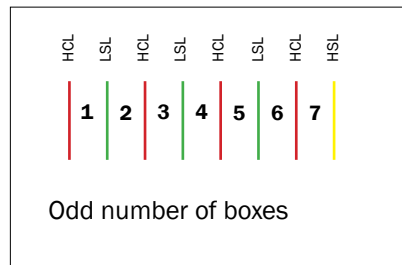
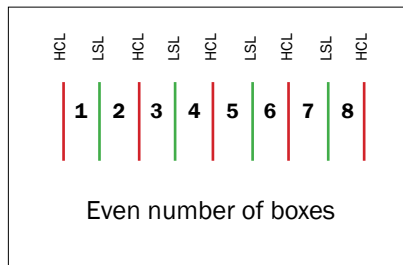
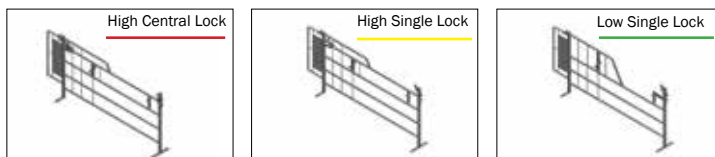
CC-measure I

CC measure for gate width +/- 3mm must be observed

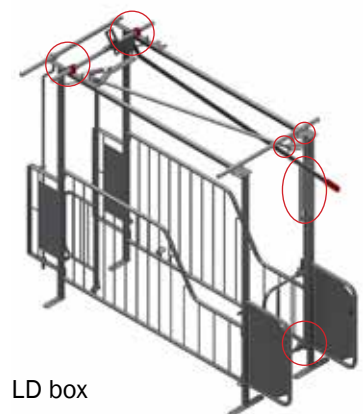
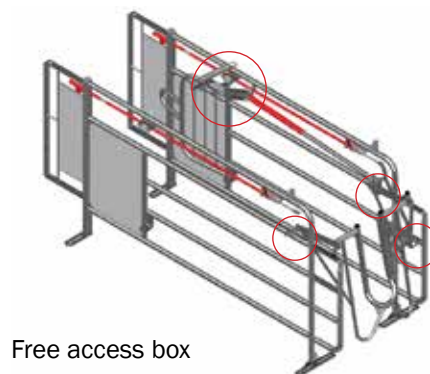
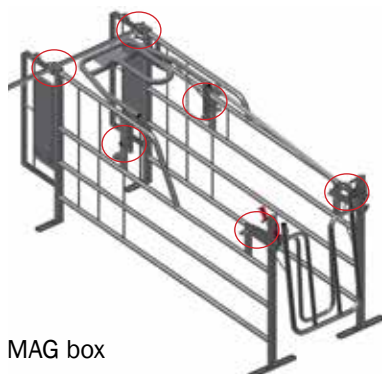
For mounting in full slats floor use 3 pieces are used of 4800020, 1 pc. on front leg and 2 pcs. on the hind legs.

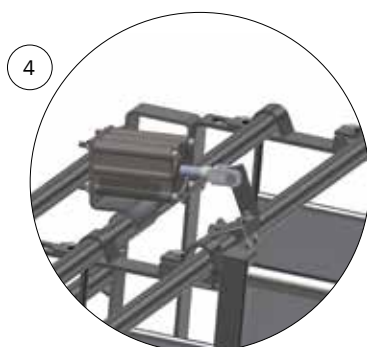
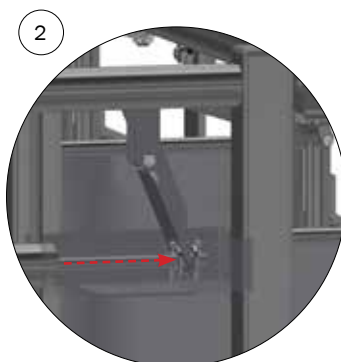
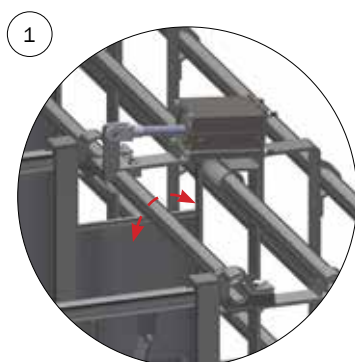
For mounting in partial slats floor use 1 piece of 4800010 on the front leg and 2 pieces of 4800020 on the hind legs.

Overview of mounted of the MAG box partition



All moving parts are tightened and lubricated as required.
It is recommended to use oil that is non-sticky.





When opening system mounted on a pipe, the pipe must be turned (1) until a push bar is withdrawn (2) and the central lock lies flat on the post (3) - the box is locked. Afterwards, the nuts must be firmly tightened (4).

When the push rod is pulled forward and the central lock is at an angle to the post - the box is unlocked (5).

The same rules and sequence apply to the manual opening system.

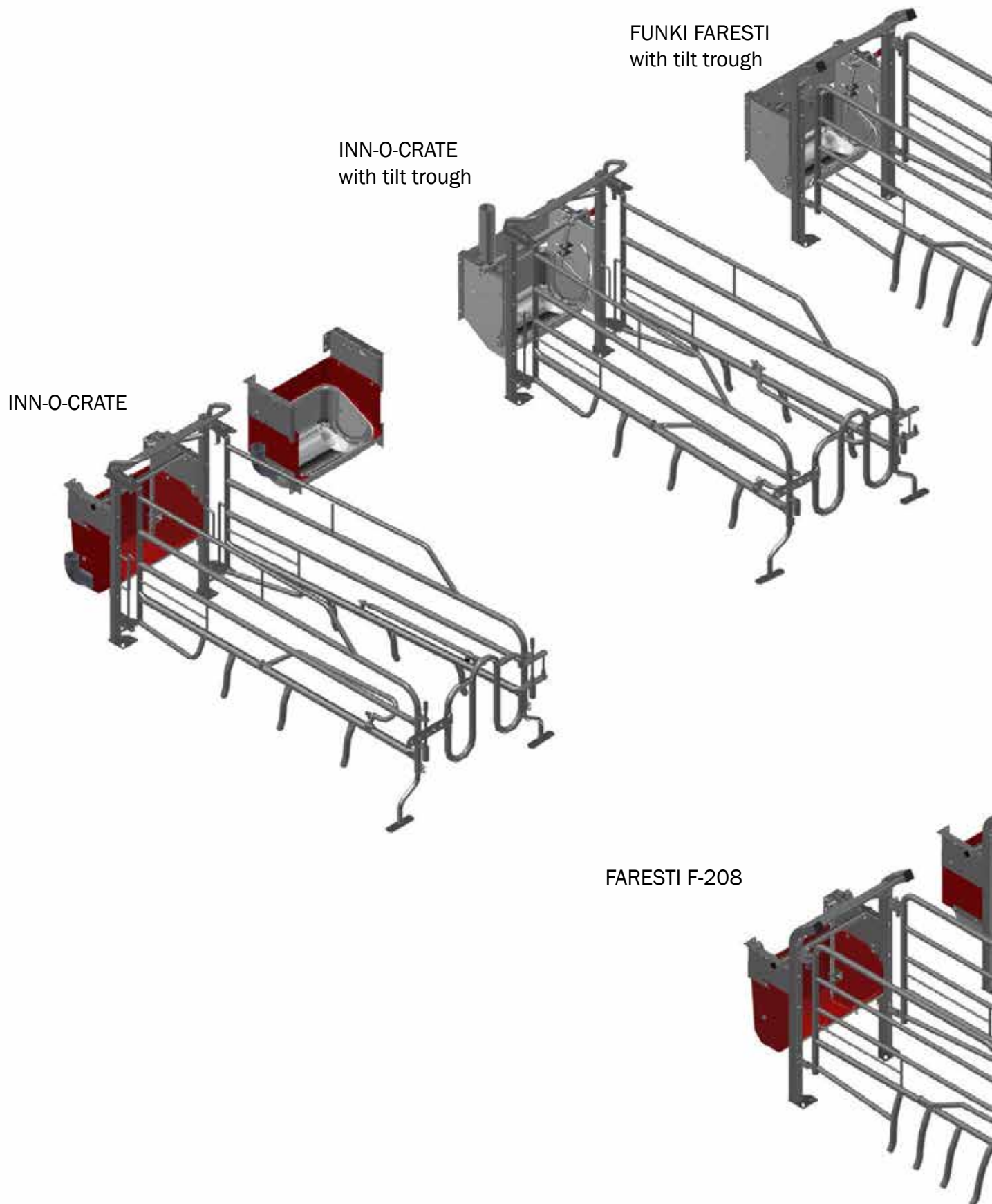
After installing the manual opening system, test that it can move easily and unhindered up and down.

Table 1 gives an overview of the number of opening boxes according to opening system.

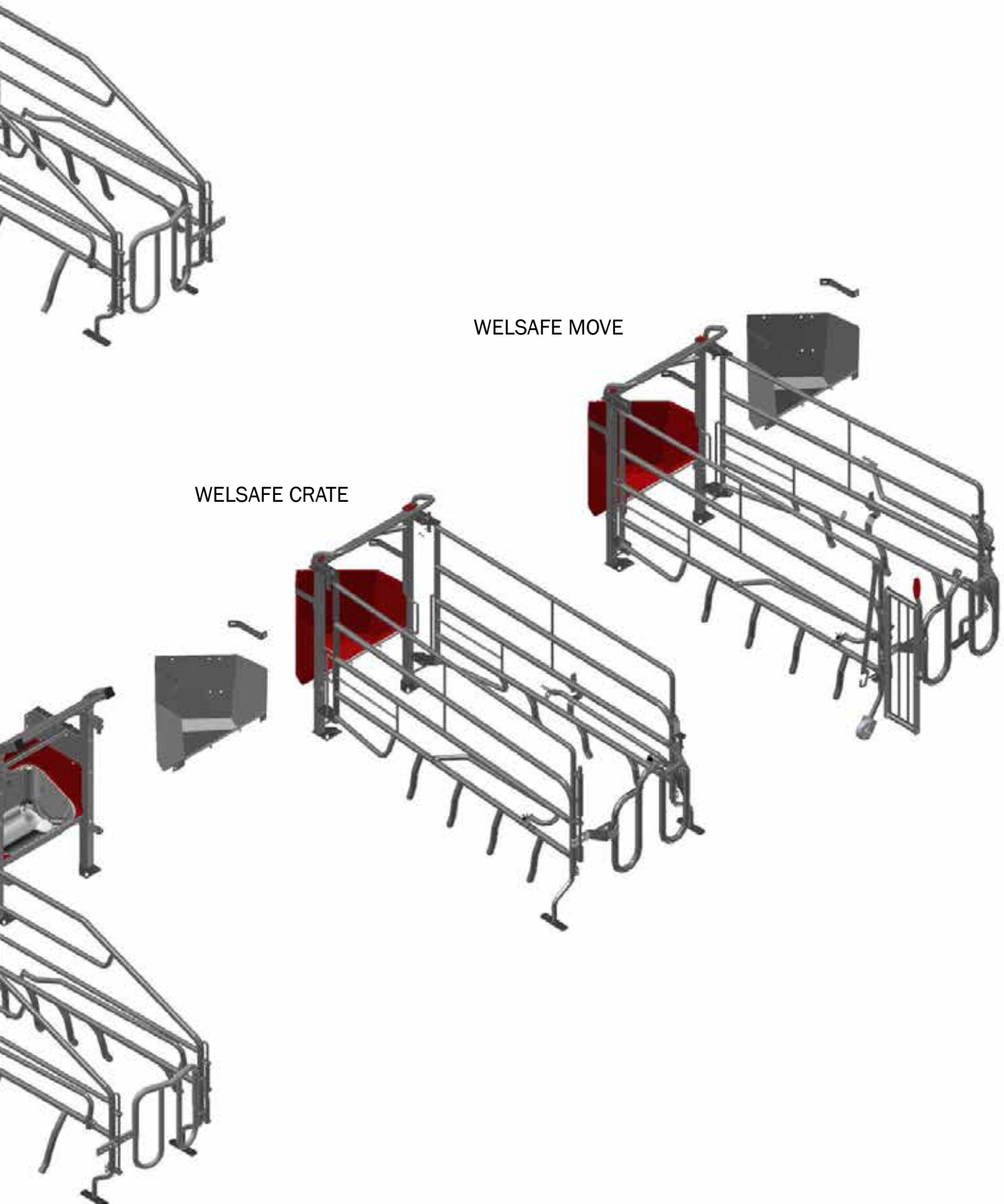
LD Box		Free access box		MAG box	
Air	Manual	Air	Manual	Air	Manual
-	40	60	20	60	30

Tab. 1

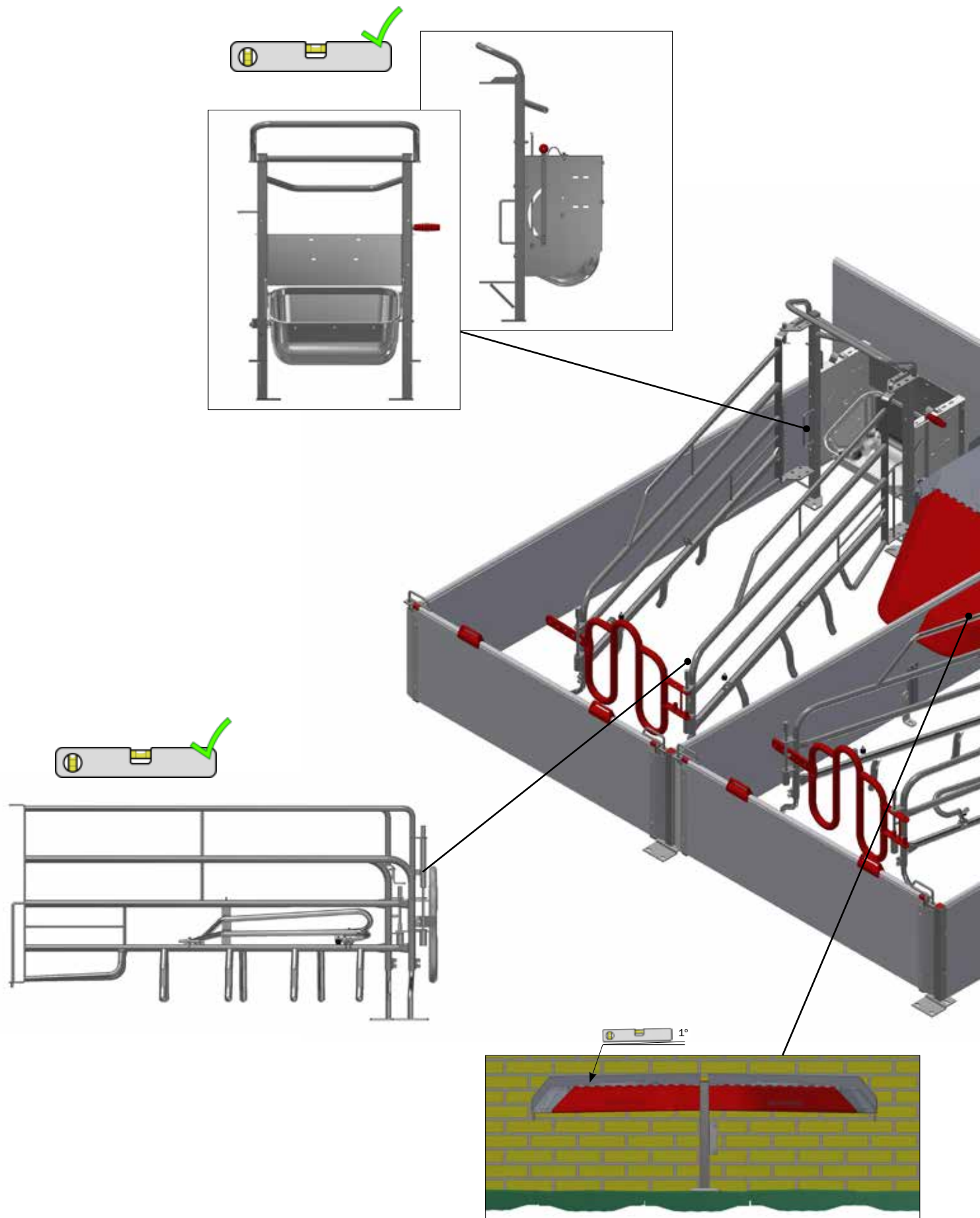
Overview of sow loose farrowing pens

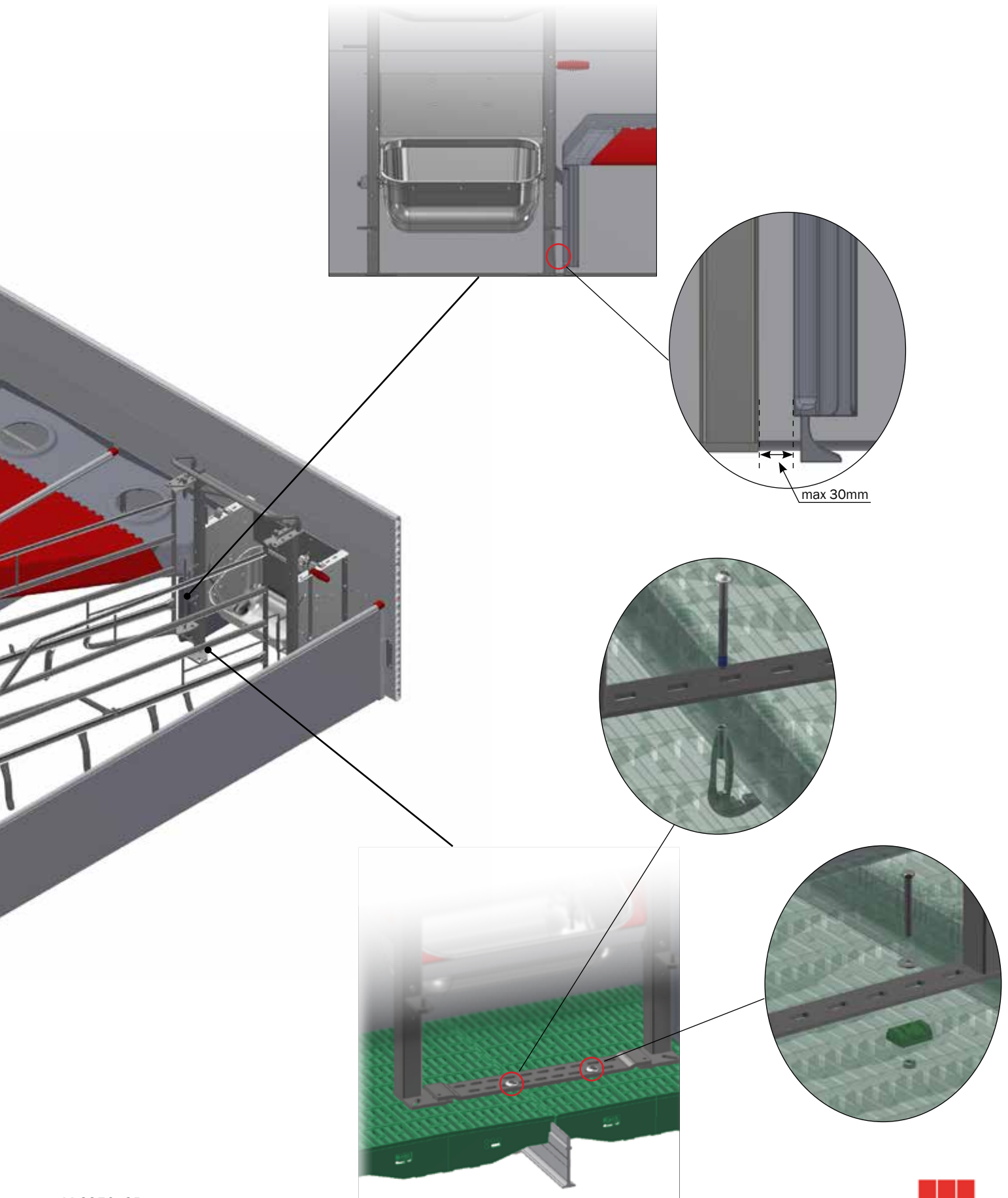


Overview of sow loose farrowing pens

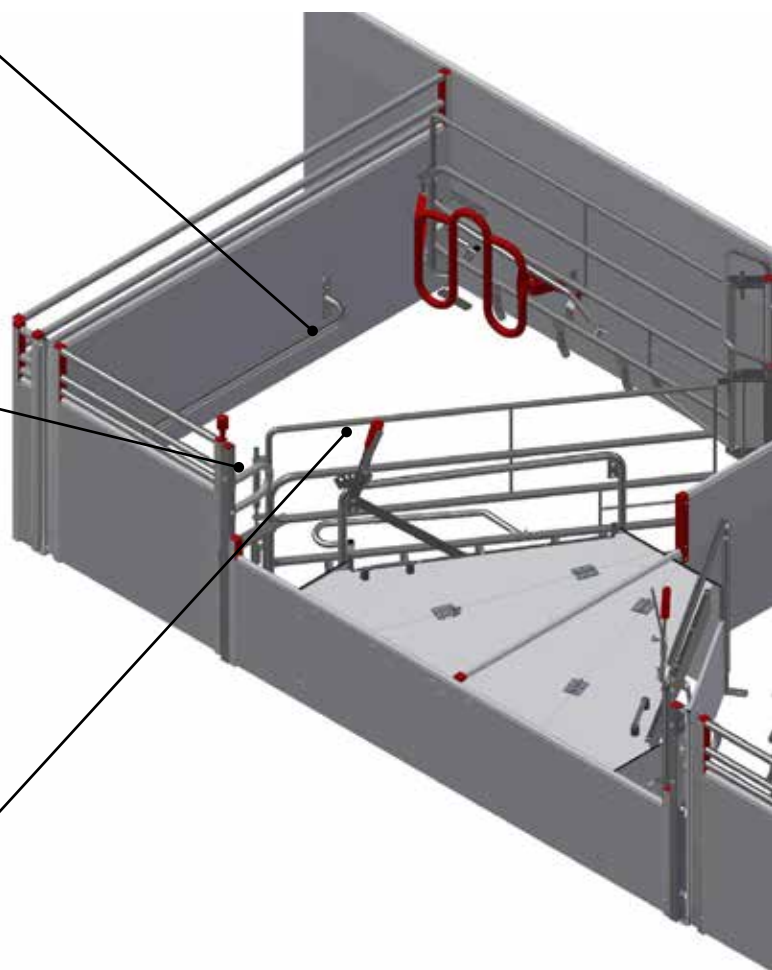
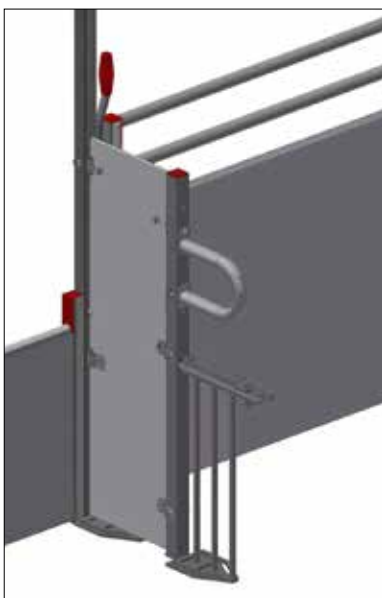
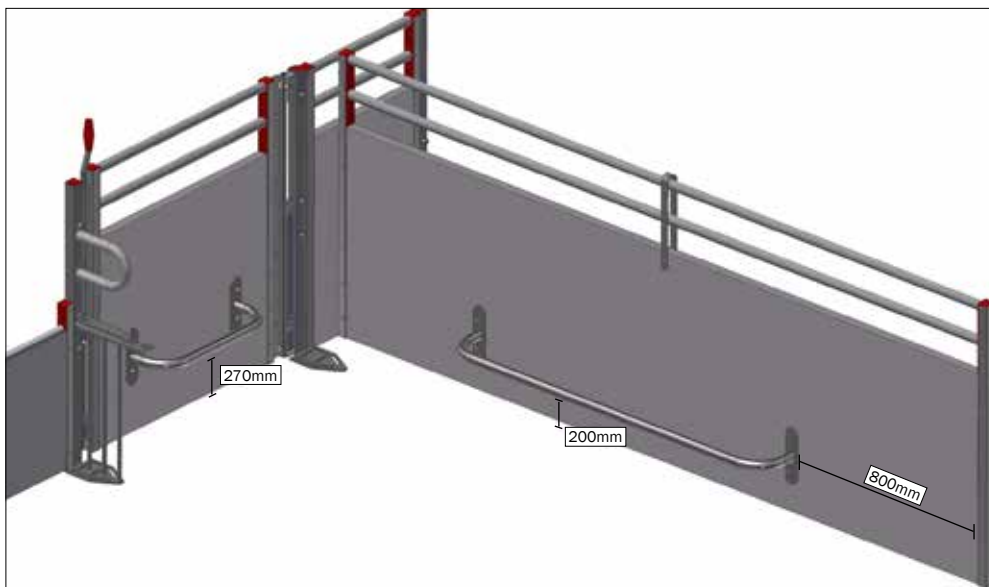


Funki farrowing

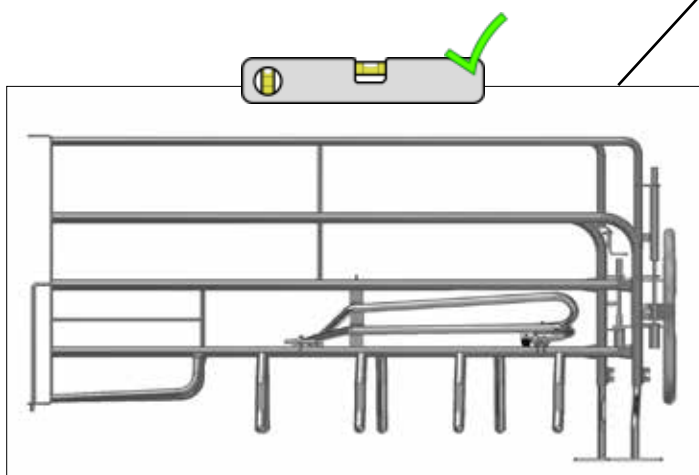




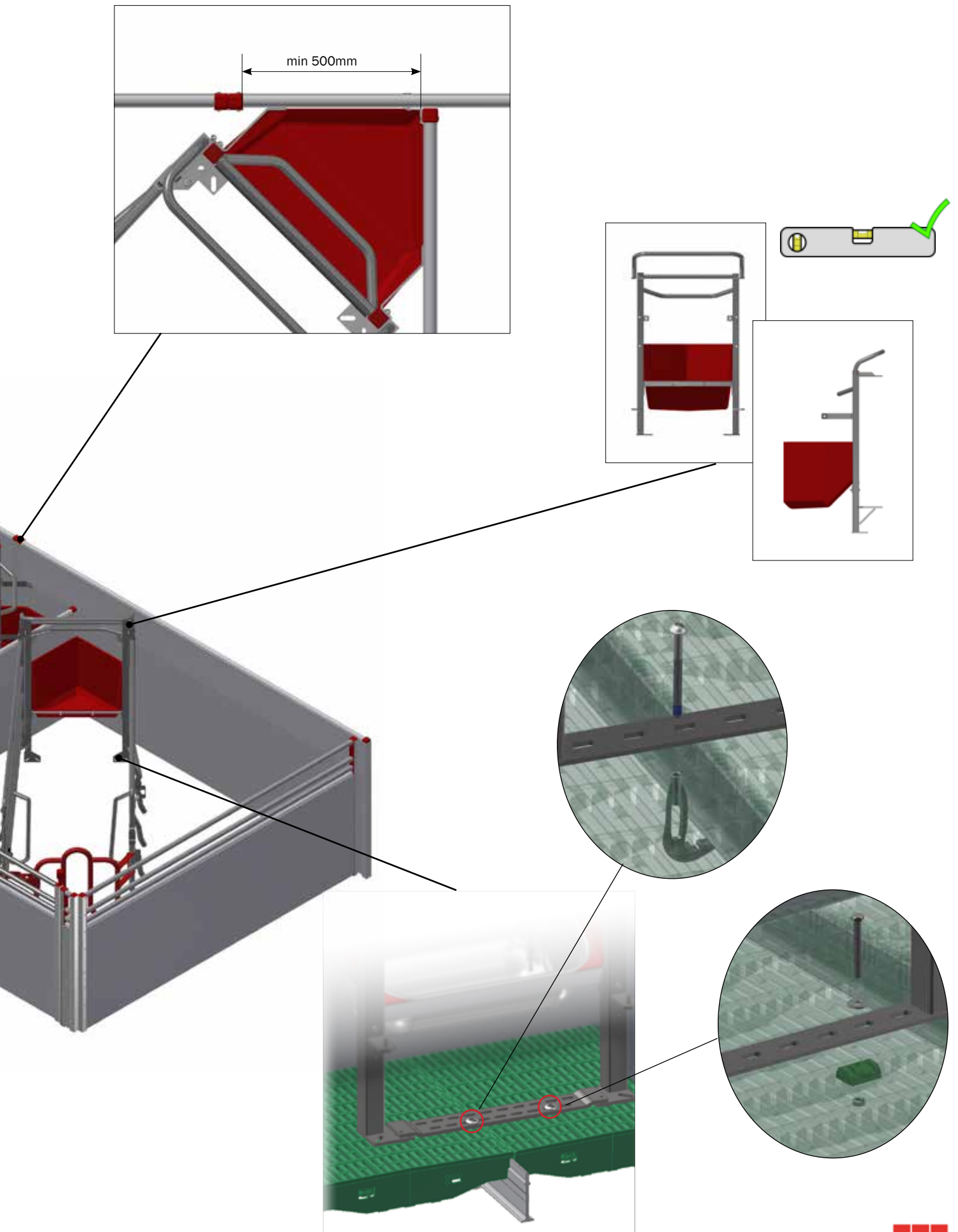
Loose farrowing pen. Welsafe



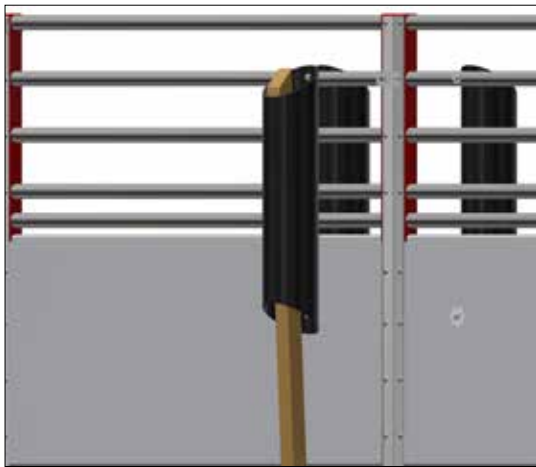
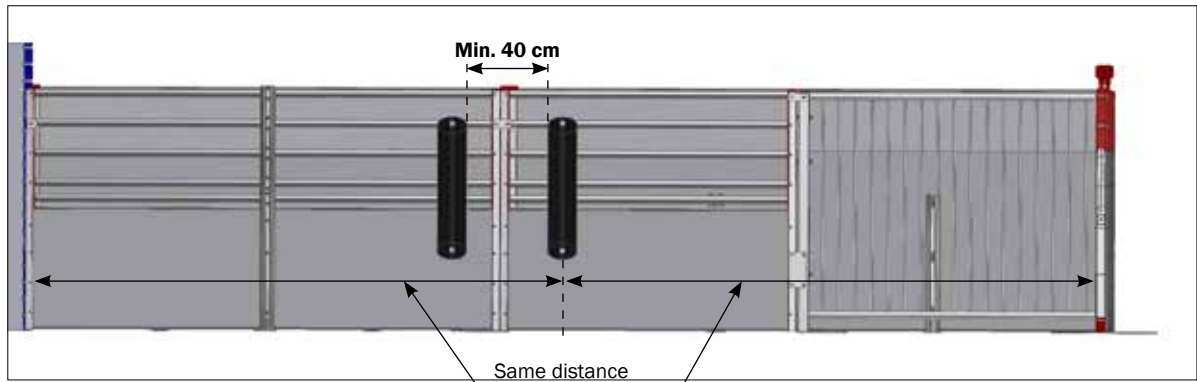
In size over 264, extra furniture must be used.



Loose farrowing pen. Welsafe



Stick holder



- The size of the piece of wood must be 1/3 of the manipulation materials.
- The piece of wood must be solid wood (e.g. pine, spruce, birch or similar)
- From 1-9 pigs: 1 manipulation material must be used per path to meet the need for investigation.
- From 10-18 pigs: 2 manipulation materials must be used per path to meet the need for investigation.
- From 19 and more pigs: minimum the same quantity as in pens with 10-18 pigs.

Winch system



- The channel height is standard 40 or 50 cm. The drag bucket has a standard height of 35 cm. The width of the channel is variable. The width of cross channels must be approx. 50 – 80 cm.
- For channel widths of less than 90 cm, the width of the motor trench must be at least 125 cm. For channel widths over 160 cm, the width of the motor pit and the channel width are the same.
- It is not required that there be drainage from the channels. On the other hand, all channels must be cast with a slope of min. 1 ‰ down towards the delivery point.

A good local environment requires clean and dry penning equipment:

- Soak the paths for 6-12 hours.
- Wash paths and fixtures systematically. Be aware of cake formations at the trough and feeding tube.
- Plastic planks and other plastic parts must not be high-pressure cleaned for an extended period with a constant jet and/or with increased pressure over a short distance. A maximum pressure of 180 bar is recommended.
- Heat lamps, gear, motor, motor protector, sensor, pulley, spindle release, etc. Do not high pressure clean.
- Wooden covers in piggies must not be high-pressure cleaned on the side/end.
- Reservations are made for the use of unsuitable chemicals in connection with the cleaning, which discolour and damage the form of e.g. corrosion.
- Disinfection. If the disinfectant is water-soluble, the stable must be dry, otherwise the disinfectant will be diluted.
- Dehydration. The stable must be completely dry before the sows are moved in.
- If the relative humidity becomes too high, there is a risk of fungus. It is therefore important to ensure good ventilation so that the relative humidity is always kept below 60%.
- All water systems must be regularly cleaned and descaled.
- Water valves are checked.
- When inserting sows, empty pens must be evenly distributed in the stable room.
- The flow temperature of the floor heating is set so that the surface of the floor is 34-35 °C (max. 36 °C) when the heat lamp is switched on. Check with infrared thermometer.
- All fixed and moving parts must be regularly cleaned, tightened and lubricated. However, if these parts come loose within 1 month of commissioning, ACO Funki must be contacted immediately. We recommend lubrication with grease and oils on all moving iron parts, such as hinges, locks, doors, brackets, etc.

ACO Funki's complaint processing is cf. current legislation.

- Reservations are made for inappropriate behavior from the stable staff, such as violent blows, use of incorrect tools, abuse, etc.
- In addition, reservations are taken for inappropriate behavior from pigs caused by external stress etc.
- Furthermore, the claim does not cover general wear and tear, consequential damage or accidental damage.
- All wearing parts are excluded from the complaint, as these parts are considered consumable parts.
- Tarnishing of stainless materials is to be expected. The right to complain only applies in the event of wear and tear.
- ACO Funki products can be damaged by outdoor storage. We recommend a maximum of one month of outdoor storage. However, changes in the surface with discolouration, tarnishing etc. must be expected, or even within the first month.

Notes

[illegible]