

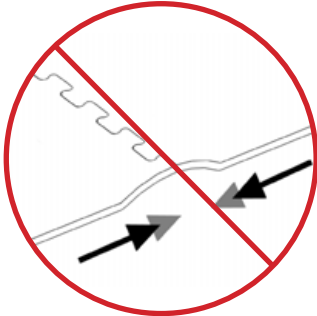


## Installation guide



# Animat installation guidelines

## General Guidelines



Unless otherwise specified use 6 anchors per mat

Plastic strips should be fastened every 20 cm (8")

Consult your territory Manager or Animat before installing rubber flooring in sand bedded operations

On parlor decks never anchor mats permanently to the floor

Always leave a minimum of 2,5 cm (1") gap at walls or curbs to allow for expansion and contraction

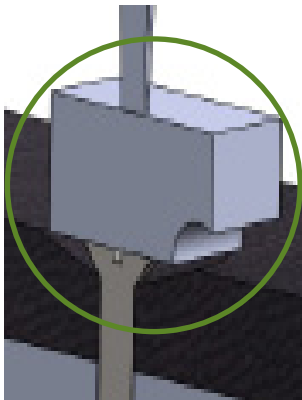
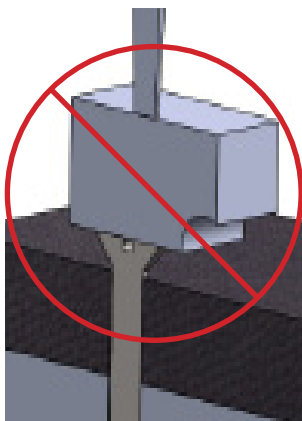
Do not press the mat tightly together when installing. Keep the interlocks a little loose.

Approved anchors are SPLIT DRIVE Type (COBRA, POWERS, SIMPSON or other manufacturer. Recommended size is 6,3 X 0,6 cm ( 2<sup>1/4</sup>" x 1/4"

Pin placement is according to diagram shown on the ANCHORING PATTERN sheet

All holes should be drilled 11,5 cm (4") deep from the top of the rubber or plastic

**Warranty may be void if these guidelines are not followed.**





# Holding area and return lanes

## Prerequisite

always ask if there is floor heating

*Clean and in good repair*  
*Minimum of 7,5 cm (3") of concrete*

**Important:**

**For atypical installations please consult your territory manager.**

- Keep the holding area and return lanes separate. Do not cut around posts to fit . Keeping them separate will allow each area to expand at its own rate.
- Use 6 anchors per mat and install as per general guidelines.
- When installing in a sand bedded flush barn do not completely cover the holding pen surface. Use 3DF8 mats installed in strips leaving a 1.25" gap between the strips. The front portion of the holding pen may be covered completely with mats.
- Leave gap of minimum 2,5 cm (1") on sides of return lanes.
- If possible, lay the mats with the grooves running with the slope and not perpendicular to the slope.



### If installing at low temperatures under 45 °F

- Try to store the rubber in the area to be installed, 72 hours prior to the installation time, to allow it to adjust to ambient temperature.
- Spread interlock seams so that an opening becomes visible.
- If possible only anchor after 24 hours of installation.

### If driving is required in Holding area

- No abrupt turning.
- If using a cleaning blade, it must be equipped with a urethane or plastic scraper edge.
- Maximum speed is half of walking speed (max 1 mile/hour).
- No visible bow or wave should form in front of scraping vehicle.
- If a wave is visible on front of the tires SLOW DOWN.



# Pictures

Solid coverage in a non-sand flush barn.



Mat strips in a sand-flush barn.





# Sand bedded barns with flush

## Prerequisite

*Clean and level floor*

*Minimum of 7,5 cm (3") of concrete*

**Always consult your territory manager for this type of installation.**

### **Installation (feeding lane)**

System 1-2-3 or 1-2-2 (option 1; version A or B)(see drawings page 6)

- Install mats 30 cm (12") from the side of the feeding table.
- Install mats of 60 cm (24") at 60 cm (24") from the side of the 30 cm (12") mats.
- Install the third mat of 60 or 90 cm (24" x 36") at 90 cm (36") from the side of the second mat.
- Use 6 anchors per mat and follow the general guidelines for the installation.

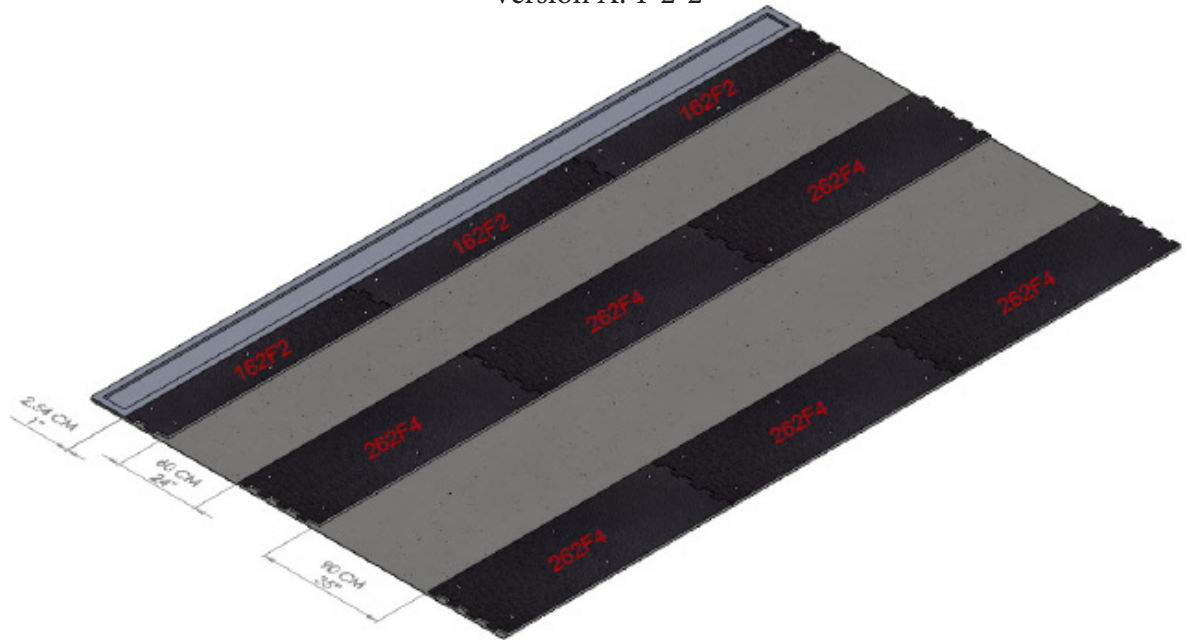
System 1-2-3 or 1-2-2 (feeding lane)



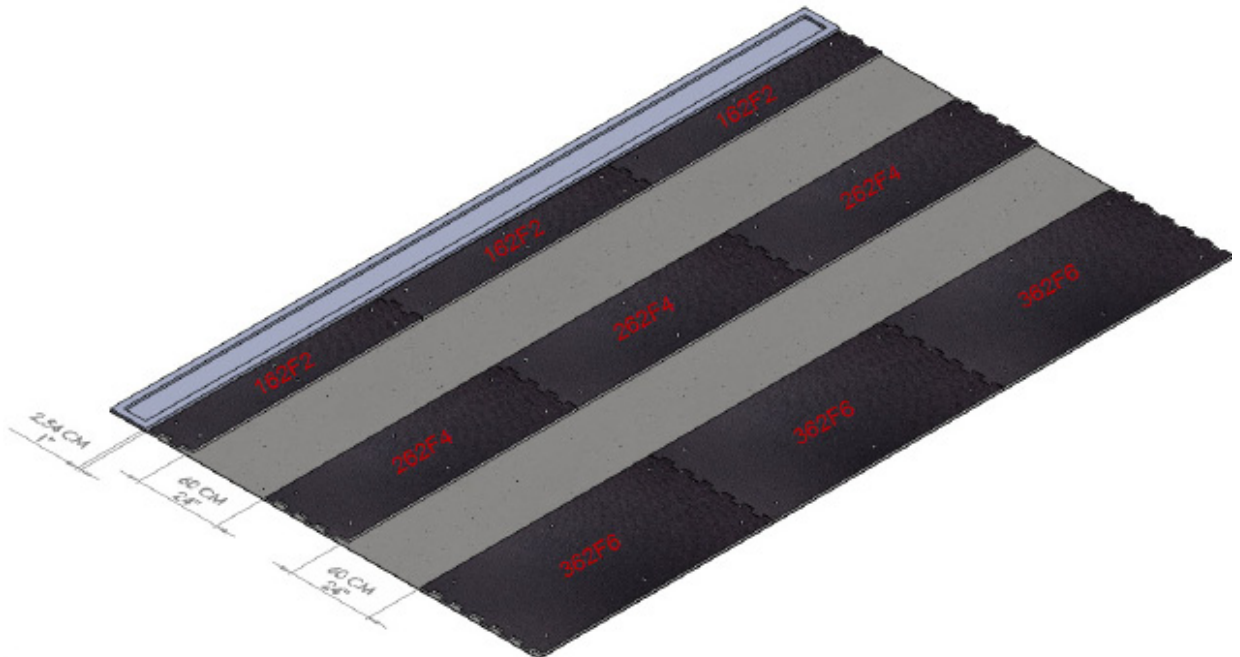


# Feeding lane drawings

Version A: 1-2-2



Version B: 1-2-3





# Sand bedded barns with flush

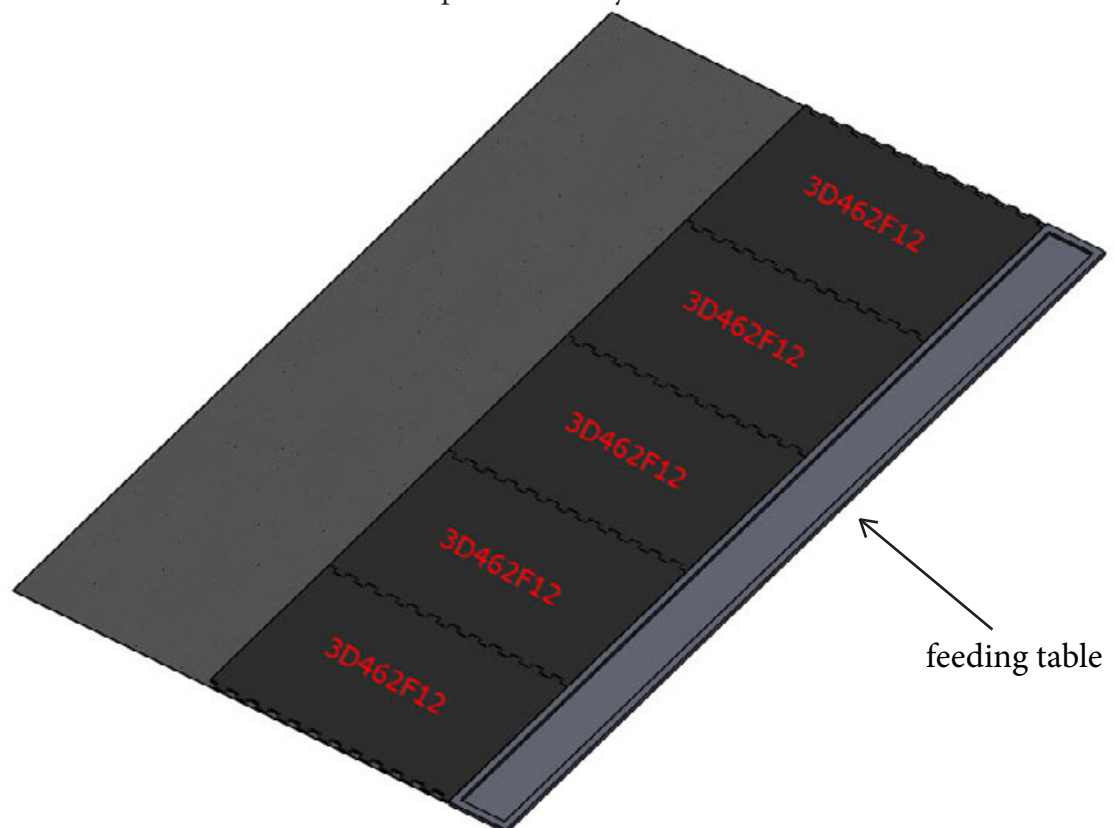
## Installation (feeding lane)

### Feeding lane, option 2 with 3D462F12

With up to 10 anchors per mat depending on barn length and flush system.

- Install 3DF12 mats and use 8-10 anchors per mat and follow the general guidelines.
- Install BEV 212 strips with the bevel on the outside. Fix the anchors as per general guidelines. Leave a gap of 3/8" between the edge of the mat and the plastic strip.
- Leave a 5mm (1/4") space at the feed bunk and interlock the mats.

Option 2: F12 system





# Pictures

System F12 (feeding lane)







# Sand bedded barns with flush

## Installation walking lane

- Centre the strip in the alley 60 cm or 90 cm (24" or 36").
- Use up to 10 anchors per mat depending on layout and system.

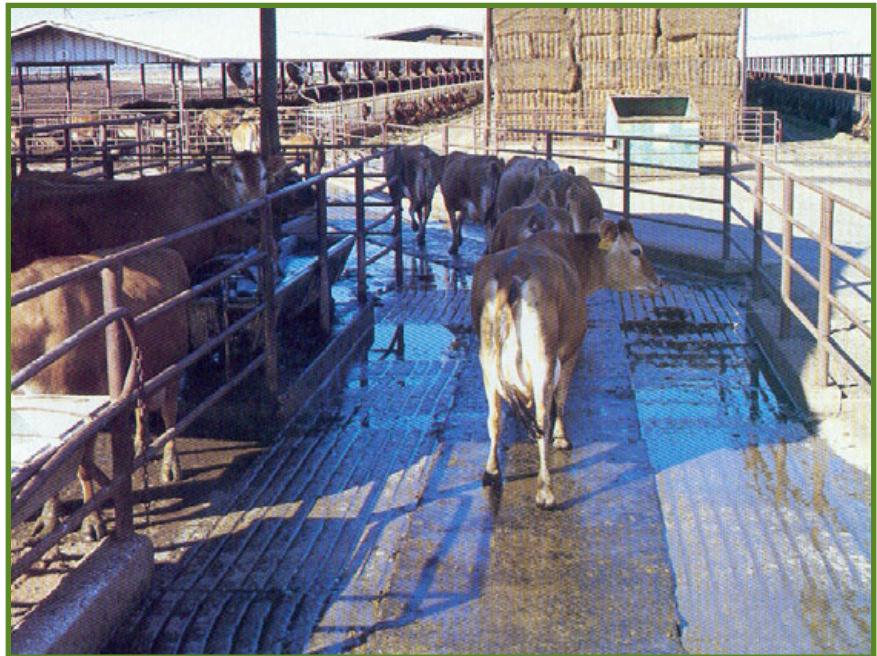


## If driving is required in alleys

- No abrupt turning.
- If using a cleaning blade, it must be fitted with a rubber or plastic scraper edge.
- Maximum speed is half walking speed (max. 1 mile/hour).
- If a wave becomes visible in front of the tires, SLOW DOWN!



walking lane





## Milking area - Cow platforms - Parlor

### Prerequisite

always ask if there is  
floor heating

*Clean and level floor*  
*Minimum of 7,5 cm (3") of concrete*



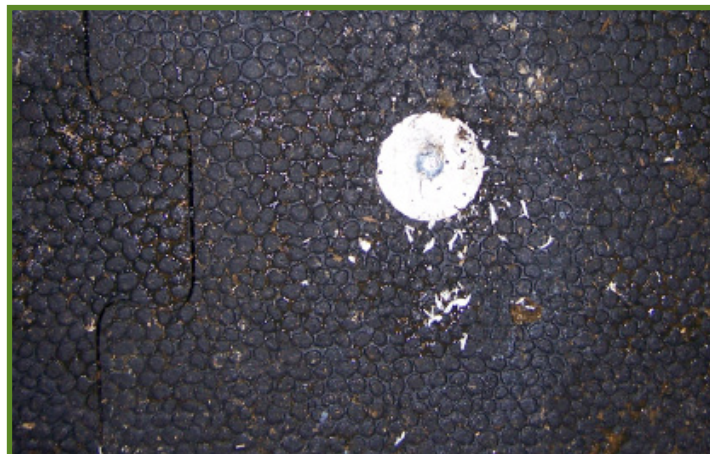
- If installing around posts, leave 1 cm (1/2") clearance to allow for expansion and contraction.

***Do not use anchors when installing, not permitted under PMO guidelines (USA)***

- If pucks are to be used as additional supports, consult your rep as to their placement.
- On larger parallel parlors, use 3DF12 mats with no anchoring at all. Just lay them on the platform and allow them to "float".

\*\*\* Special mat widths can be pre-ordered to minimize cutting. Contact customer service or your rep for help when ordering these mats.\*\*\*

anchor disk (Pucks)





# Manure scraper installation

## Prerequisite

*Clean and level floor*

*Minimum of 7,5 cm (3") of concrete*

Always separate alleys into two sections width-wise to create two lanes of rubber.



The objective is to create two lanes of rubber with a gap in the center of the alley for the cable to increase the durability of the rubber and improve the effectiveness of the scraper.

If possible, lay out the alley using F12 or 3DF12 mats installed perpendicular to the outside curbs.



## Cable scrapers

- If there is a groove in the concrete floor already, place plastic strips on both sides and anchor.
- If there is no groove, place the two plastic strips with a gap between them that is at least 1cm (1/2") wider than the diameter of the cable or slider of the scraper carriage. e.g. if the cable is 2,5 cm (1") diameter, leave a space of 3,5 cm (1 1/2") between the strips and lay the mats going outward toward the curb.
- We recommend using 3DF12 mats whenever possible. Additional plastic may be utilized to facilitate using F12 mats.

PLEASE REFER TO THE MANURE SCRAPER GUIDELINES TO ENSURE PROPER INSTALLATION



# Manure scraper installation pictures





# Manure scraper installation

## Prerequisite

*Clean and level floor*  
*Minimum of 7,5 cm (3") of concrete*



Always separate alleys into two sections width-wise to create two lanes of rubber.

The objective is to create two lanes of rubber to increase durability of the rubber and improve the effectiveness of the scraper.  
Use a 10 cm (4") strip anchor every 20 cm (8").



## Chain scrapers

- Place plastic strips on both sides of the groove. Then lay the mats perpendicular to the curb.
- We recommend using 3DF12 mats whenever possible. Additional plastic may be utilized to facilitate using F12 mats.



PLEASE REFER TO THE MANURE SCRAPER GUIDELINES TO ENSURE PROPER INSTALLATION



## Alley installation with “skid steer” cleaning

### Prerequisite

*Clean and level floor*

*Minimum of 7,5 cm (3”) of concrete*

The objective consist of creating a central 4”+ wide strip central “runner” to reduce friction from the cleaning blade. Leave a gap of 3/8” on each side of the “runner” and the mats.

- Place the strip in the center of the alley and anchor based on the general guidelines.
- Use 6 nails per mat and position based on the general guidelines.
- Leave 3/8” gap between mat and plastic strip and 1/2” at curbs.





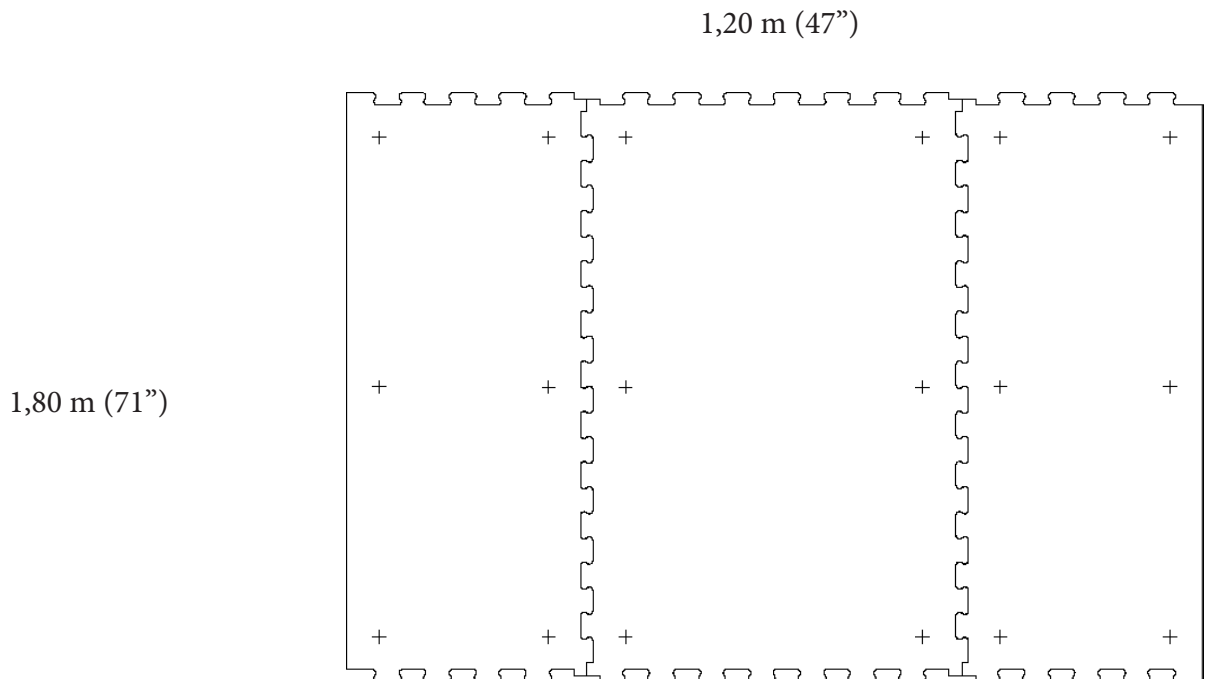
# Anchoring pattern

Corner anchors should be 5 cm (2") from the sides and 5 cm (2") from the top.

+ Anchors

Center anchors should be 5 cm (2") from the side and centered in the middle of the mats long sides.

If anchoring pattern is a concern, consult your rep for help.





# Manure scraper guidelines

## Prerequisite

- Mats must have been installed according to our guidelines.
- Use scrapers especially developed for rubber floors.
- Adapt scraper assemblies according to our guidelines.

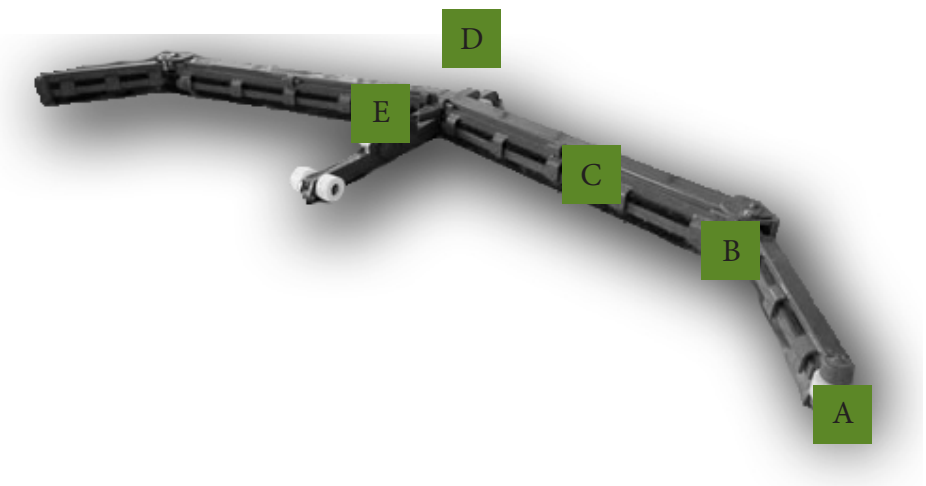
**Warning:** Only materials with a rubber/urethane base rather than a metal base can come into contact with animat rubber mats.

### All scraper edges must be rounded

- All edges coming in contact with the rubber mats must be rounded.
- Check scraper assembly routinely for sharp edges caused by wear and tear.
- Maintain proper cable/chain tension and observe operation of scraper to assure even load distribution of manure in front of the scraper blades.

\*\*\*Scraper must be checked every 6 months in order to maintain warranty\*\*\*

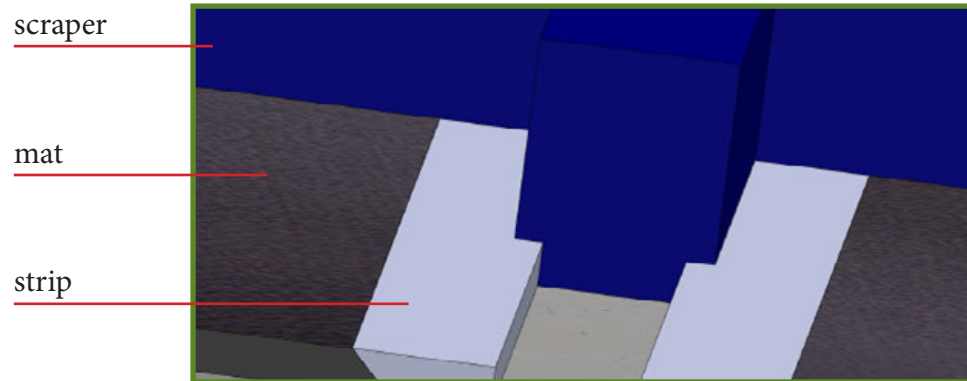
- A Side cleaning blade
- B Side skid
- C Main Cleaning blade
- D Center bracket
- E Center guide







# Manure scraper guidelines



## Centre bracket

- Ensure that after installation the guide is securely in the designated groove.
- Raise the guide height by the mat thickness. It may also be necessary to raise the centre bracket.

## Cleaning blade

- 90 degrees angle to the surface.
- Flexible urethane is recommended for the scraper blade contact edges, since this provides better results.
- Chains or cables cannot lie directly on the rubber mats.

## Scraper without centre guidance

Please note:

- Steel ropes cannot lie directly on the rubber mats.
- No abrasion protection is needed for the mat if plastic or plastic-coated rope is used.



# Alley installation with a manure vacuum

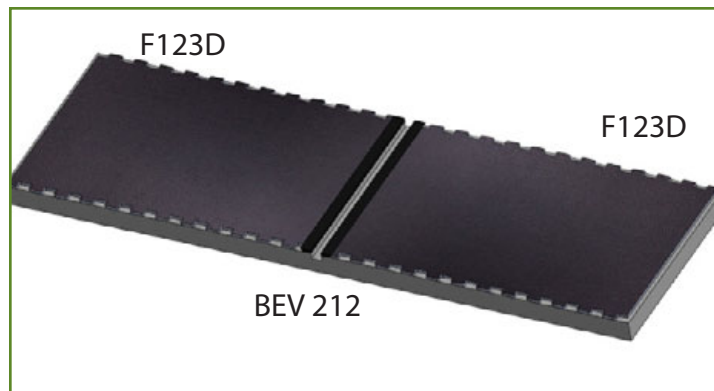
## Prerequisite

*Clean and level floor*

*Minimum of 7,5 cm (3") of concrete*

The objective consist of making sure the vacuum doesn't affect the rubber installation.

- Use **3D mats only(F123D)**, put anchors with washer every 8 inch on every side of the mat.
- Place the square plastic strip (BEV 212) in the center of the alley and anchor based on the general guidelines.
- Leave 3/” gap between mat and plastic strip and 1/2” at curbs.



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