

# THE MAYO MATTRESS FITTING PROCEDURE

## 1. SITE SAFETY ASSESSMENT – ENSURE WORK SPACE IS SAFE

- A. Shed access – is the entrance clear and easily accessible free from trip hazards?
- B. If animals are in the shed – create clear working section by barricading the cows
- C. Is there sufficient lighting to begin?
- D. Ensure there are no leads on the ground or near livestock
- E. Ensure 240V cables are dry at all times
- F. What volume of moving traffic will be around workspace while you are there?
- G. Any under-concrete pipes or wiring that may be in workspace?

## 2. MATTRESS FITTING

- A. Measure width of all cubicles
- B. Cut mattresses to size as required **if you have not given Mayo your cubicle centre to centres** in which case, we will have already done it for you (2" less than cubicle centre to centre measurement is the width your mattresses should be). They are easily cut with a stanley knife blade.
  - i. **TAKE EXTREME CAUTION WHEN CUTTING MATTRESSES**
  - ii. Check blades & cutter functioning correctly before using on mats
  - iii. Cut on a flat stable surface
  - iv. Always cut away from the body
- C. Lay the mattresses
  - i. Ensure correct lifting procedure used to carry Mattresses (bend at knees putting as little strain on back as possible)
  - ii. Ensure the Mattresses are all in perfect position before proceeding to fitting
  - iii. They should be laid 2.25" (60mm) in from the heel stone & have 2" (50mm) in between each one under cubicle loop (Figure A)
  - iv. Always follow the heel stone for the 2.25" / 60mm gap regardless of how this looks when finished

D. Lay out all strips (if strips not required skip to F, if brisket board & strips not required skip to I)

- i. Ensure strip is centred over the gap between Mattresses
- ii. Ensure strip is directly under cubicle loop
- iii. Ensure strip is snug against back corners of the mattresses (Figure B)

E. Strip Fixing

- i. Drill the first hole closest to the heel stone and tighten the frame fixing in well using 10mm drill bit.
- ii. Ensure top of strip is still centred between the Mattresses and that both Mattresses are still straight in the cubicle bed
- iii. Drill the 4 remaining holes.
- iv. The strip should be tightened so that the edge is 2-3mm sunk into the Mattress. 3mm is **maximum**. For end strips, we recommend you use an off-cut from a mattress or a piece of timber of similar height to mimic the mattress beside the wall and fit the strip as normal.
- v. Repeat for all strips (skip to G)

F. IF STRIPS ARE NOT REQUIRED

- i. 8mm hammer fixing & washer required in the right-hand corner of every Mattress underneath the brisket board
- ii. It should be placed 1" in from the top of the Mattress & 4" in from the edge of the Mattress
- iii. Drill an 8mm hole using 8mm masonry bit through Mattress & 2.5" into the concrete
- iv. Place washer on the fixing
- v. Hammer the fixing into the hole until it is 3-4mm counter sunk into the Mattress

G. Brisket Board Fixing (3" X 3" Chamfered edge) (If brisket board not required skip to H)

- i. If you have sourced your own brisket board, it doesn't matter if it is a 3" X 4" board as long as the height you put into the bed is a max of 3".
- ii. Lay out brisket board alongside the heel stone on the passage way
- iii. Ensure the **two** chamfered (slightly rounded) edges are facing up
- iv. Using a 32mm wood-bit, drill a hole in the centre of your cubicle space through the brisket board (30mm deep)
- v. Additional fixings may be required depending on where the board edge falls on the run
- vi. Once the lengths are counter sunk 30mm with 32mm bit, drill straight through each bore to the concrete with a 16mm wood bit.
- vii. Place the brisket board onto the mattresses 69" from the heel stone to the heel stone facing edge of the brisket board for a Holstein size cow, 68" from the heel stone for a

Holstein / Friesian Cross size cow, 67" in from the heel stone for a British Friesian size cow & 65" in from the heel stone for a jersey size cow.

- viii. Using a 16mm masonry bit, drill 16mm hole into concrete ensuring it goes at least 3" into the concrete (from the underside of the mattress) (Figure D)
- ix. **Place 16mm sleeve anchor bolt into this hole as you go along (as failure to do so could result in dust & particles clogging up the drilled hole preventing the bolt from being securely fixed into that hole & another having to be drilled)**
- x. Drill all the remaining holes
- xi. Tighten all of the sleeve anchor bolts
- xii. If any threads are showing above brisket board after tightening, cut them down flush with the brisket board using a grinder **(!!! ensure safety goggles are worn if this step is required to be performed)**
- xiii. **Ensure the warm cut off piece does not fall onto mattresses as it will burn them**

#### H. IF BRISKET BOARD NOT REQUIRED

- i. Once strips fitted, 3 hammer fixings and washers to be fit at the top of the mattress where the brisket board would have been
- ii. The two corner fixings should be placed 4" (100mm) in from side edge of the mat & 4" (100mm) down from the top edge of the mat. The middle fixing should be in the centre between the two corner fixings 4" (100mm) down from the top edge of the mat.
- iii. Using an 8mm masonry bit, drill the three holes through the mattress & 2.5" into the concrete
- iv. Place the washer on the fixing & hammer into place
- v. Repeat for all three until they are 3-4mm counter sunk into the Mattress (Figure C)

#### I. IF STRIPS AND BRISKET BOARD NOT REQUIRED

- i. 3 hammer fixings and washers to be fit at the top of the Mattress where the brisket board would have been
- ii. The two corner fixings should be placed 4" (100mm) in from side edge of the mat & 4" (100mm) down from the top edge of the mat. The middle fixing should be in the centre between the two corner fixings 4" (100mm) down from the top edge of the mat.
- iii. Using an 8mm masonry bit, drill the three holes through the Mattress & 2.5" into the concrete
- iv. Place the washer on the fixing & hammer into place
- v. Repeat for all three until they are 3-4mm counter sunk into the Mattress (Figure E)

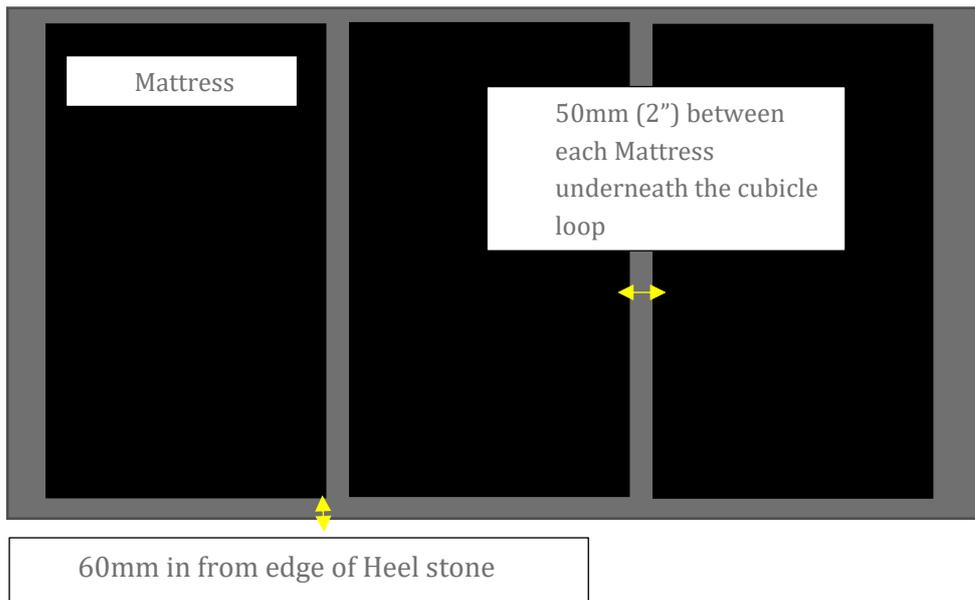
**Call us at 01704 821717 or 0777 8858925 with any questions or concerns**

**Thank you for choosing Mayo!**

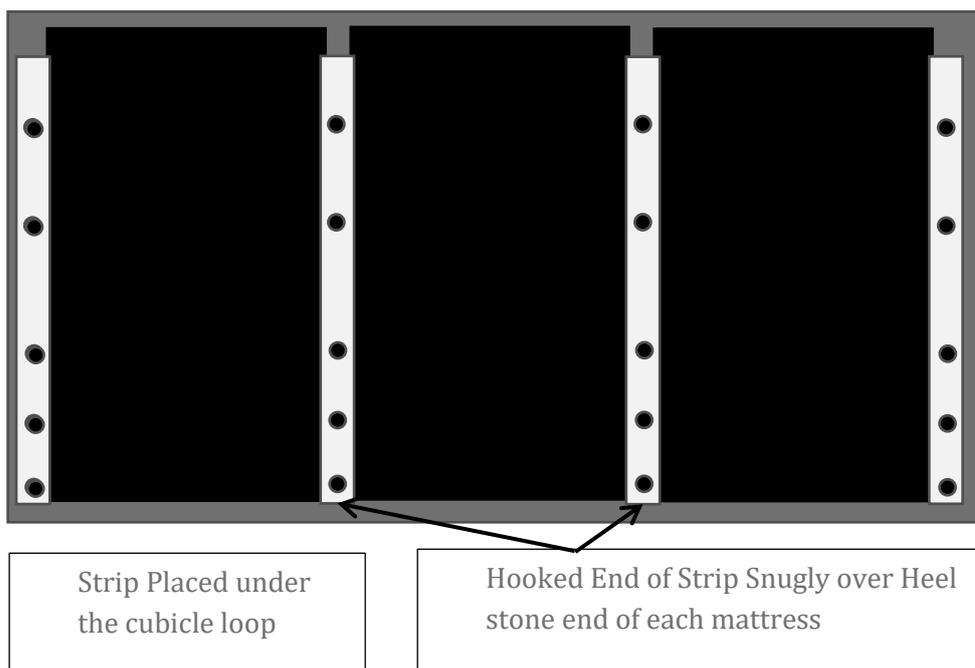
### Fixings referenced



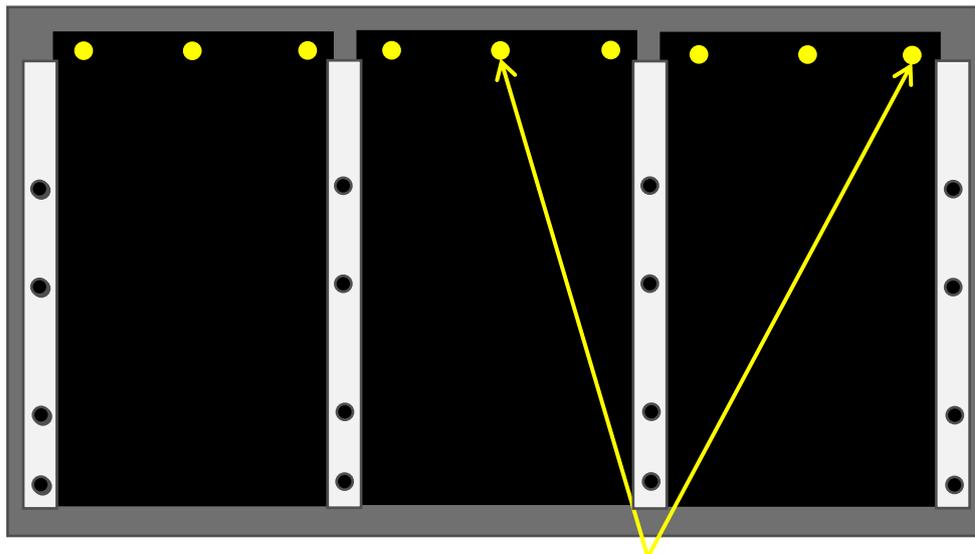
### FIGURE A: Lay the Mattresses



### Figure B: Lay the Strips

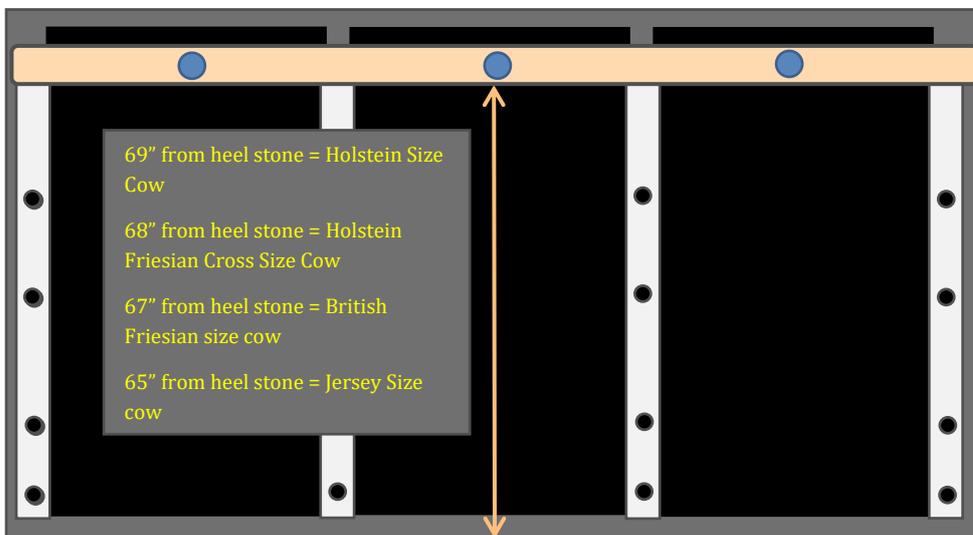


**Figure C: Fitting with Hammer Fixings & Strips**



Hammer Fixing & Washer 4" in from each side and one in the middle & 4" in from top of the mattress

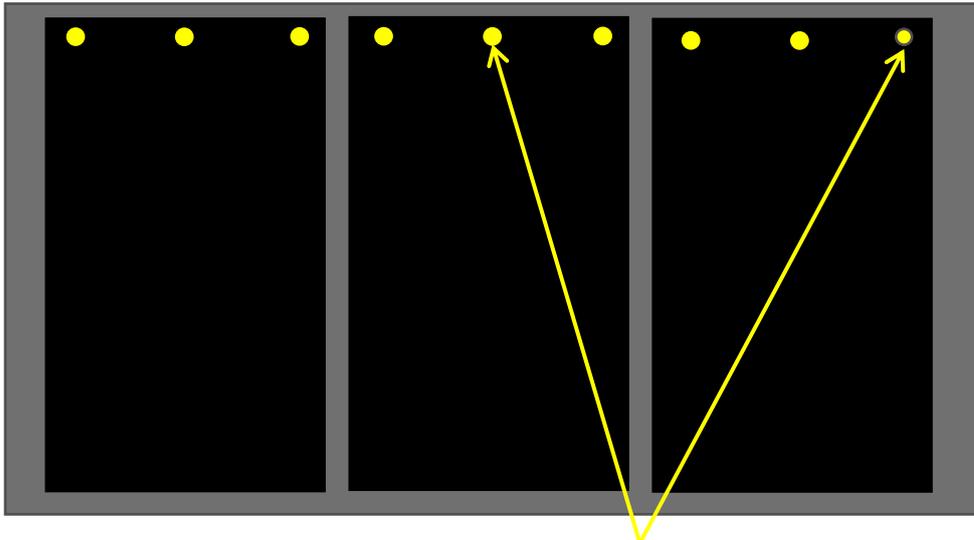
**Figure D: Fitting with Brisket Board & Strips**



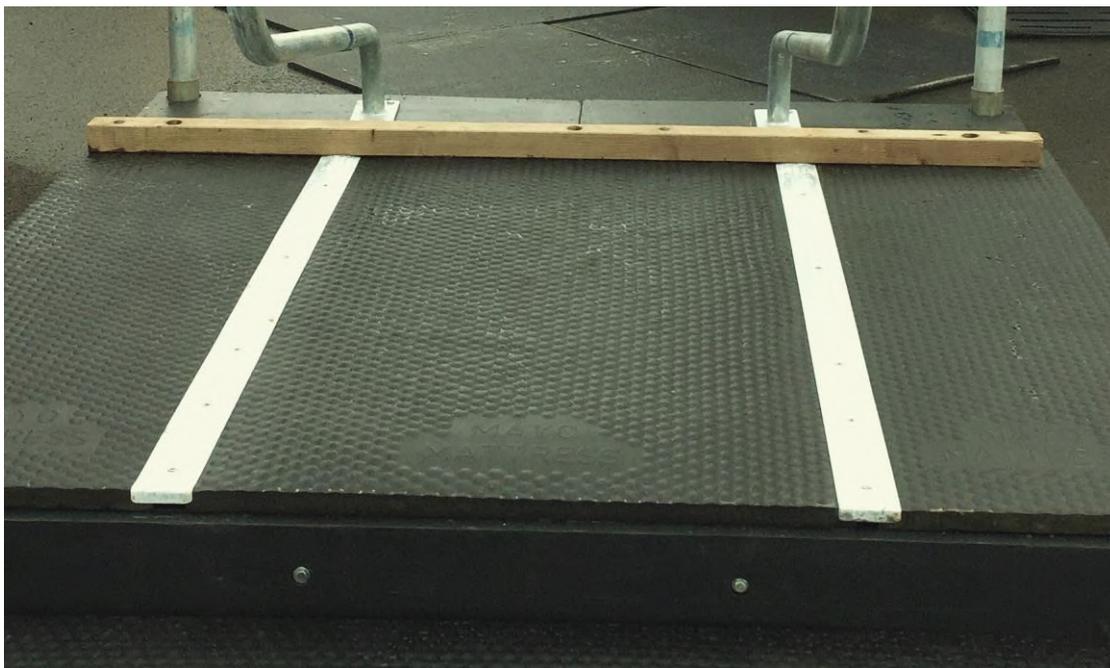
69" from heel stone = Holstein Size Cow  
68" from heel stone = Holstein Friesian Cross Size Cow  
67" from heel stone = British Friesian size cow  
65" from heel stone = Jersey Size cow

The distance from the heel stone to heel stone edge of brisket board depends on the size of your cows. The brisket board is a guide for your cow to position herself not too far into the bed that she compromises lunge space and dirties the bed. Brisket board will be on top of the top of the strip by about 15mm

**Figure E: Fitting with Hammer Fixings Only**



Hammer Fixing & Washer 4" in from each side and one in the middle 4" in from the top of the mattress



View a video of the Mayo Mattress with the joining strip and brisket board on our fitting page

**VIEW VIDEOS**