

1 Pegboards

A pegboard is the frame used to create a sample on the Kibby machine. It is an aluminum board with a series of holes. The number of holes in the X and Y directions dictate the density of the finished sample.

1.1 Pegboard sizes

Pegboards are available in two finished sample sizes:

- a. 500mm x 500mm sample size (compatible with G4, G5 and G6 models)
- b. 450mm x 450mm sample size (compatible with MK1, 2&3, G4, G5 and G6 models)

Pegboard sizes are expressed in holes per inch - for example 7x8 means 7 holes per inch in the X direction and 8 holes per inch in the Y direction.

1.2 Single and double pegboards

With a single pegboard the following types of pile construction are possible:

- Cut
- Loop (level)
- Cut-loop

With a double pegboard the following samples can be made:

- Cut
- Loop (level)
- Multi-height loop
- Cut-loop

Double pegboards are usually supplied as a 6mm and 8mm pair. Either pegboard can be used singularly as required.

2 Axminster Sampling

For Axminster sampling, A Woven board is required. Standard pegboard sizes are listed below:

Holes per inch X&Y	Total holes X	Total holes Y
7x7	138	138
7x8	138	157
7x9	138	177
7x10	138	197
7x11	138	217
7x12	136	236
7x13	136	256

3 Wilton Sampling

For Wilton sampling, A Woven board is required. A typical board size will be 8 x 8 (157 x 157).

The maximum density is up to 450 reed.

For low-level or wire type Wilton constructions, typically a 4mm thick pegboard will be used and for cut-loop wire Wilton constructions a double pegboard is required, usually 2 x 4mm thick pegboards.

4 Pegboard Thickness

Single pegboards are available as 4mm, 6mm or 8mm thick boards.

4mm pegboard

- Suitable for low level loop and low level cut-loop wire Wilton type product.
- Pile height between 4.5mm to 6mm (cut-pile).
- The depth of shearing determines the height – a close shear will give a cut pile height of around 4.5mm, a high shear sample will give a pile height of around 6mm.

6mm pegboard

- Pile height between 6.5mm to 8mm(cut-pile).
- The depth of shearing determines the height – a close shear will give a pile height of around 6.5mm, a high sheer sample will give a pile height of around 8mm.

8mm pegboard

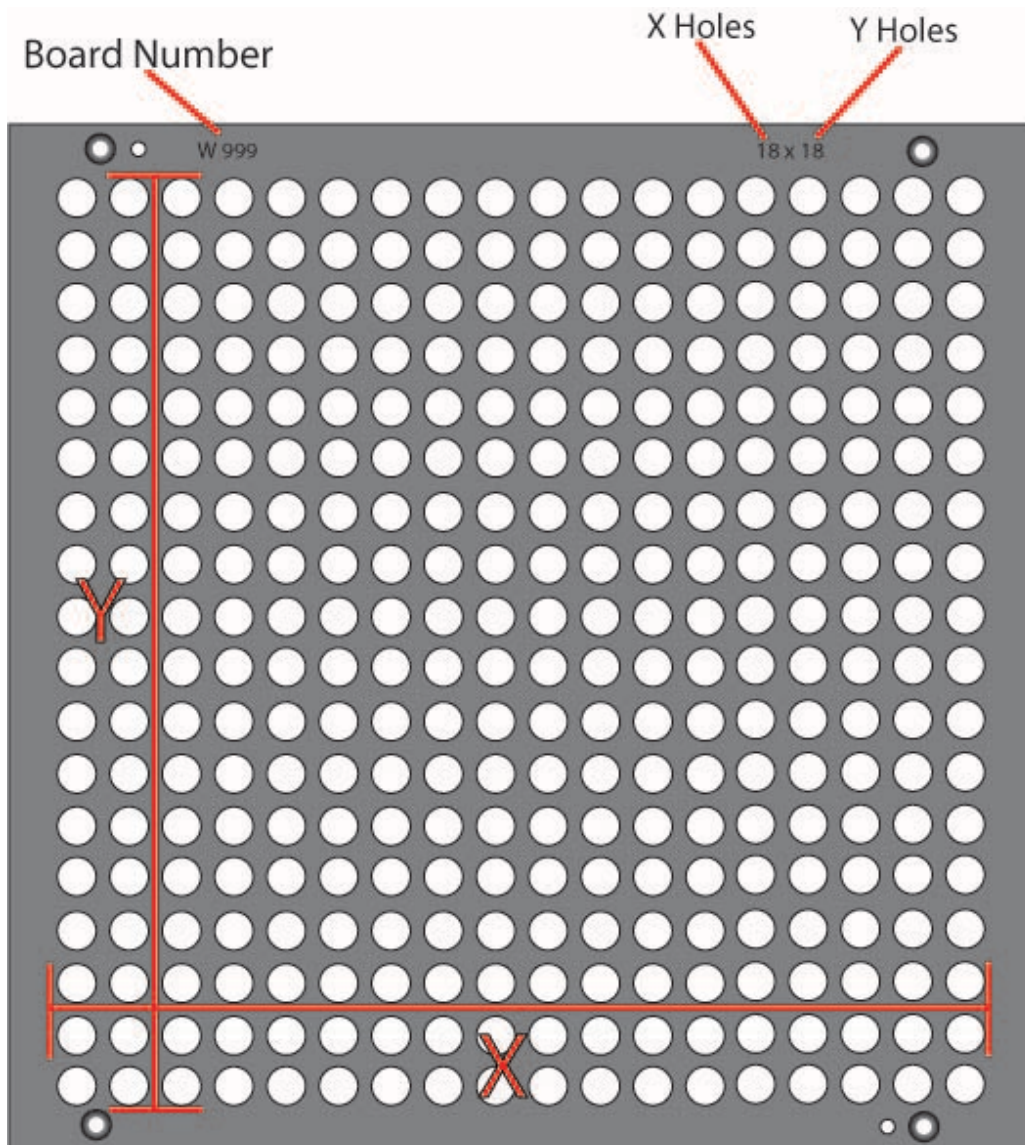
- Pile height between 8.5mm to 10mm(cut-pile).
- The depth of shearing determines the height – a close shear will give a pile height of around 8.5mm, a high sheer sample will give a pile height of around 10mm.

5 Pegboard Types

The Kibby can use the following pegboard types:

5.1 Woven

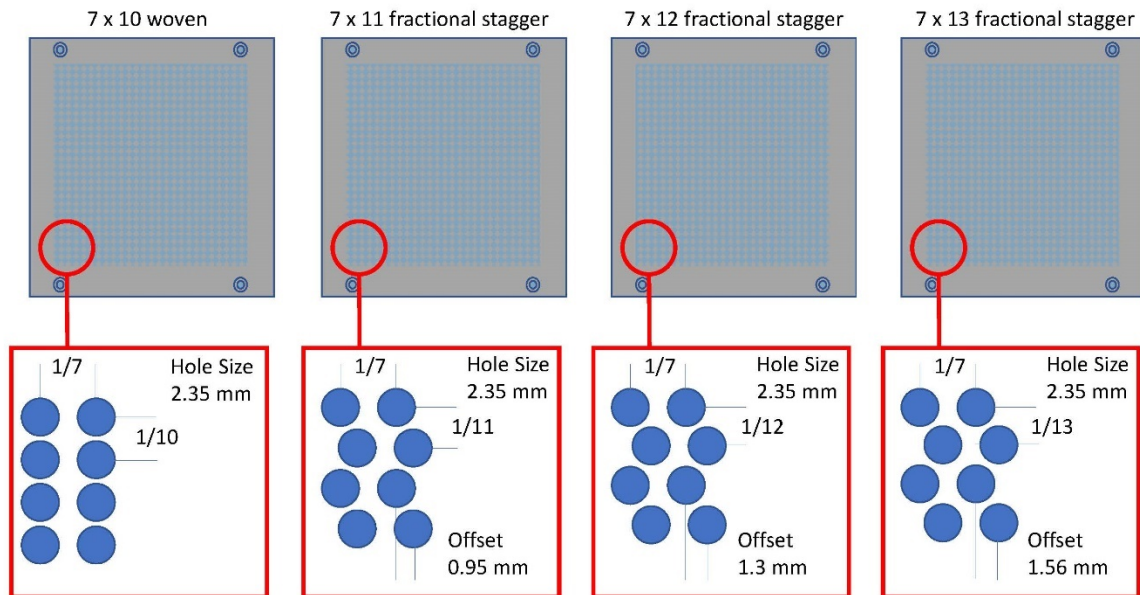
Rows and columns are in straight lines. Used for all types of woven carpets including Axminster, Wilton, etc.



The holes per inch can be found at the top of the board (e.g. 7 x 9, 7 x 10).

5.2 Fractional Stagger

A Fractional Stagger pegboard means that it is possible to sample high density product. The boards are available as a 7x11, 7x12 and 7x13 pegboards. The Fractional Stagger Pegboards have the same hole size as a 7x10 board but the holes are staggered slightly (see pic below). This means that the same size needle and yarn that is used on a 7x10 board is suitable.

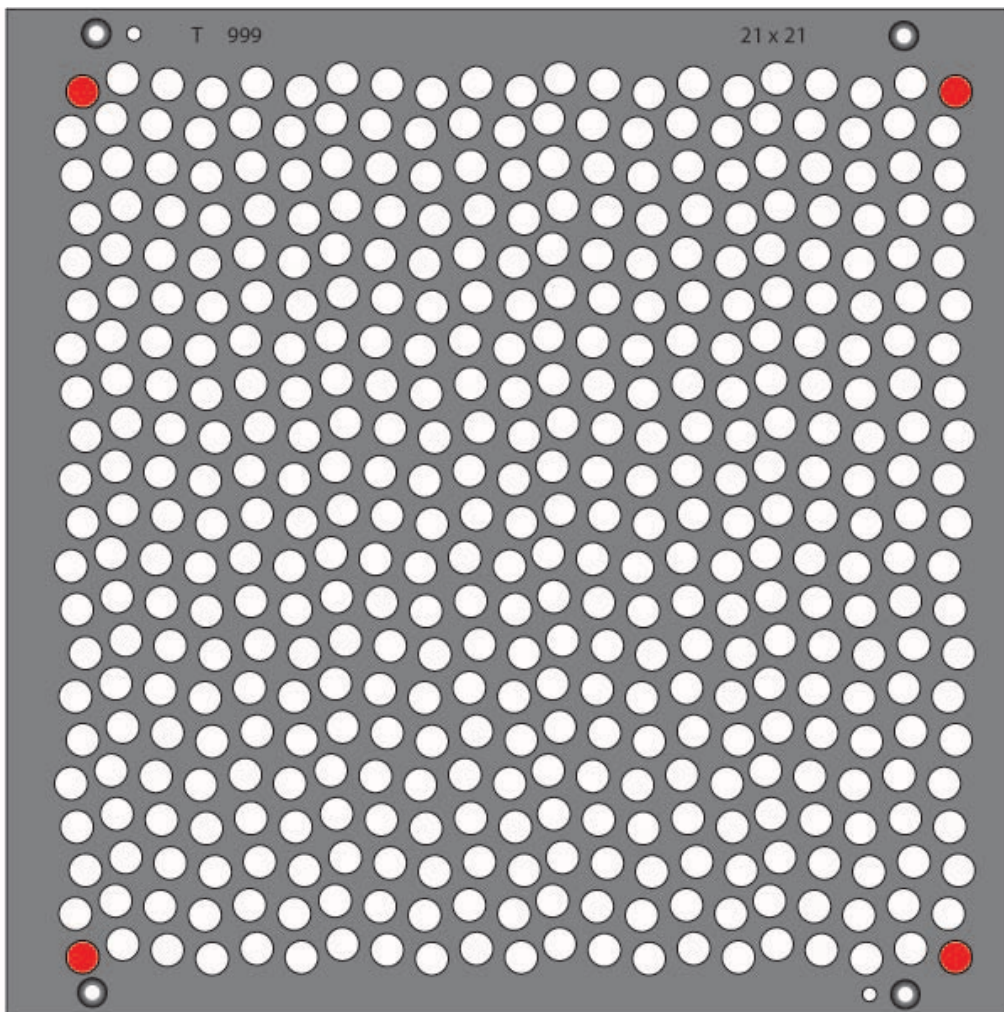


5.3 Tufted

Rows and columns are in lines but are irregular in hole placement to replicate the irregularity of tuft placement in tufted carpets.

5.3.1 Tufted pegboard size

Tufted pegboards simulate the random effect of tufted carpet with a random positioning of holes in the pegboard. A five-hole pattern repeat is used to achieve the random effect. Due to this, in both the X and Y directions, the number of holes must follow the geometric progression of 1,6,11,16,21,26 etc. The start row and column for a tufted pegboard must be either 1,6,11,16,26 etc.

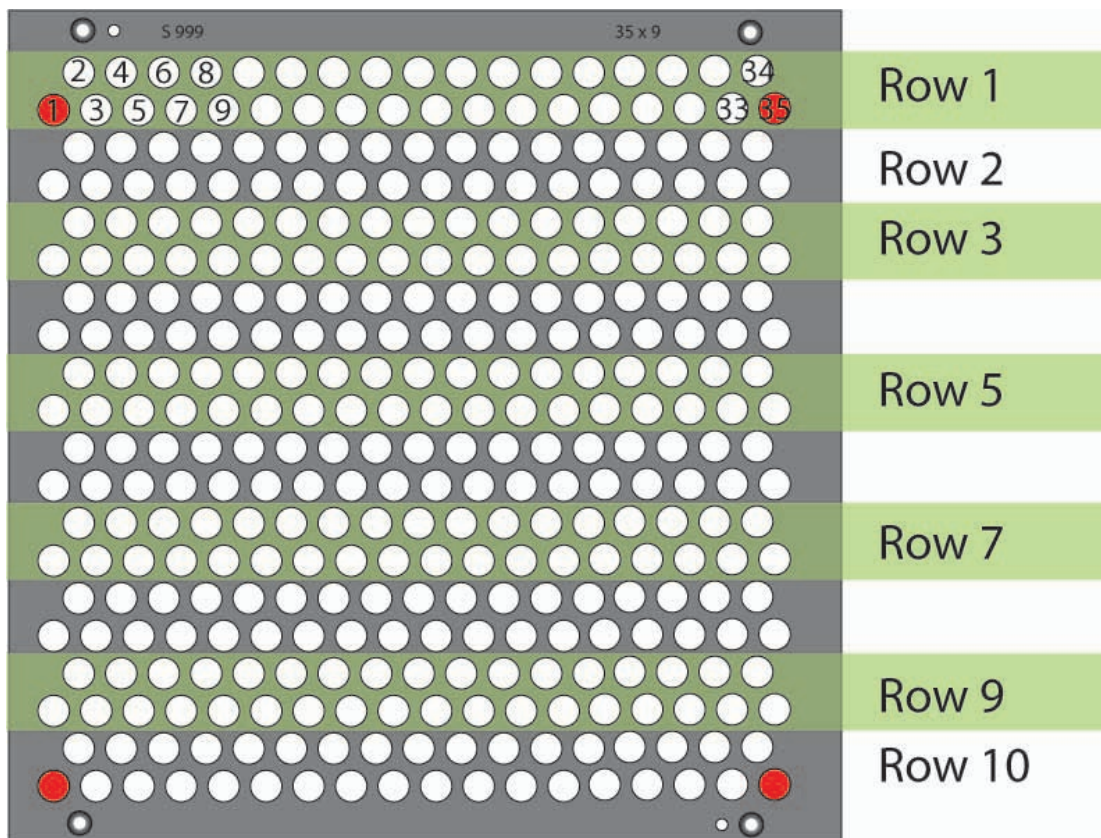


5.4 Tapistron

Rows and columns are in lines but are formatted in a grid of two inch wide 'Z' to simulate the unique action of the CYP Tapistron machine.

5.5 Staggered

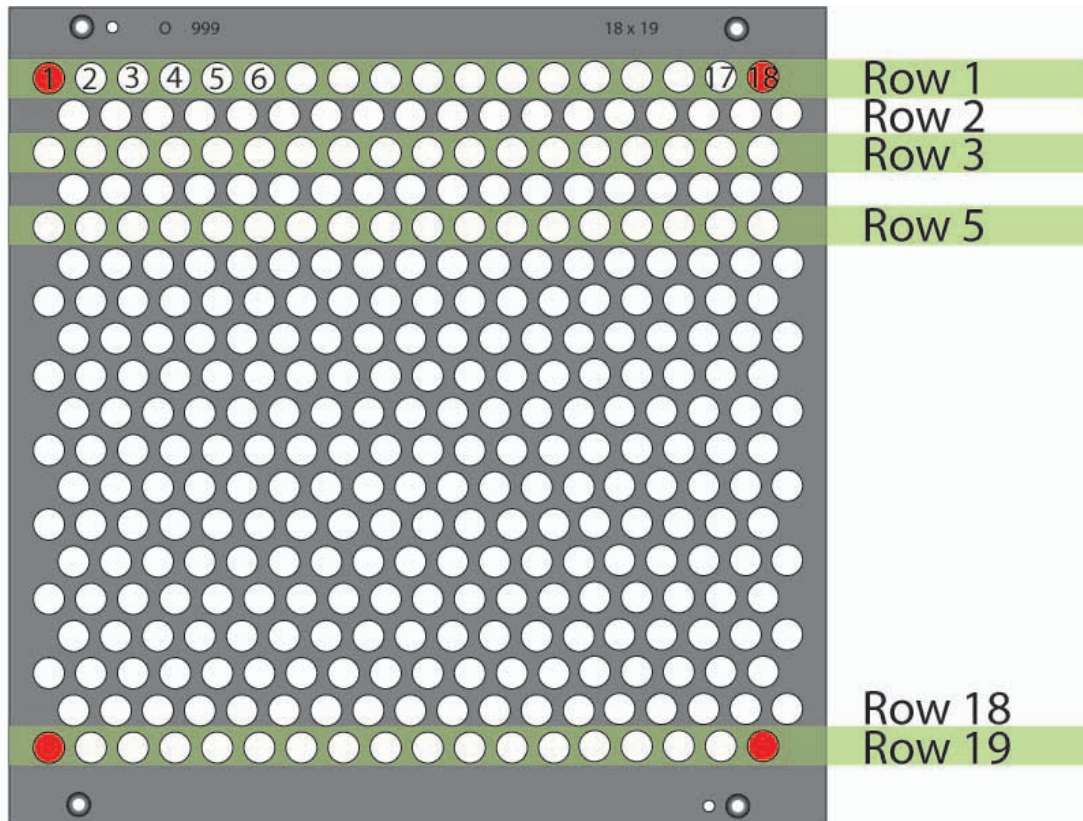
Rows and columns are in lines but with a staggered placement of the holes in the rows. Use a staggered board for woven samples requiring a high yarn density. When identifying a pegboard as staggered, the pattern is stretched in the Y direction.



- Set corner on red holes.
- X holes always odd number 1, 3, 5, 7, 9 etc
- Y holes can be any number 1, 2, 3, 4, 5 etc.

5.6 Offset

This looks identical to a staggered pegboard, but when identified as an offset board in the Kibby software, the pattern is not stretched in the Y direction. An offset board can be used for woven samples requiring a high yarn density without stretching the pattern.



- Set corners on the red holes
- X holes can be any number (1, 2, 3, 4, 5)
- Y holes must be odd (1, 3, 5, 7)

For an offset pegboard with a size of 146mm x 297mm, the corresponding reeds for a Wilton sample would be 320 x 650. The diagram above shows how the size of an offset pegboard is calculated.