Rolled Baking Band

Straight Belt Adjustment Instructions

These instructions are to assist in the true running of the belt. When making a standard straight twin coil joint of the 2 belt ends you may notice that there is an offset to the belt at the point of the join – see below. To ensure correct running of the belt this must be corrected in the following manner.

To correct this edge offset at the belt join one belt end should be cut in single coil steps giving a staggered end to the belt, similar to that shown below:

The number of staggered steps can only be determined on a trial and test basis.
Insert first pair of coils to the first staggered cut position to make a partial join. Then cut to length.

Insert next pair of joining coils from the opposite side and cut to length at the next staggered cut position.

Insert the next pair of joining coils and cut to length. The number of cut stagger is dependent upon the amount of offset gap that needs correcting to allow the belt to run straight. The finished join should be similar to the right hand picture.

(Pictures show a 4 strand section staggered step join).
After assembly of the staggered join, as shown above, it will then be necessary to check if the belt is now straight by pulling it out under limited tension. If there is still an offset gap in the same direction you will need to unlace the join strands and re-cut more staggered positions to the edge of the belt and repeat the above process until the belt pulls out straight. Alternatively if the offset gap overlap is then on the other side of the belt you must then reduce the number of staggered cuts.

When the mesh belt pulls out straight the next step is to flatten the join coils with a hammer against a drum roller or a sound steel cross member. The final finish of this type of join should look like the picture below.

Note how the ends of the coils are intertwined at the staggered cut position where two coil pitches link to an adjacent single coil pitch position.