Using a Rotary / Tilting Milling Table on the Router Boss.

The steps, and pictures below, attempt to show how I have used the Router Boss to ‘mill’ in a circular fashion.

1.

This is a 4” Rotary / Tilting Milling Table (designed to be used in a ‘metal’ environment). It has been modified by adding a threaded post to the centre. The table has a ratio of 36 : 1.

It is mounted on the mortise table (in the vertical plane) by a single ‘T’ slot bolt.
The Tiling Table is then rotated until the face is level and square to the Mortise Table. It is then locked in place.
The Rotary Table is then ‘leveled’ (this is possible as it is only attached to the mortise table by a single bolt).
The table is finely adjusted and then secured using the mortise table clamps.
The Rotary Table is then centred under the Router Centering Bit. Once centred, the Router should be locked in position. The digital reading for the mortise table should be zeroised at this point.
The table is then set-up with a ‘saver’ piece of wood, and the relevant collars for the disc to be machined.
The ‘blank’ can now be installed and bolted down. The level can be checked.
The rotary table can now be moved into the running cutter (with stops being set to the desired diameter).
The Rotary Table is now rotated in a ‘climb cut’ direction. 36 turns completes the milling operation. (Sorry this is blurred, its is a moving operation).
This is the result.
Plunging the cutter to the disc, and then rotating, achieved this result (the wheel has been sanded and polished).