

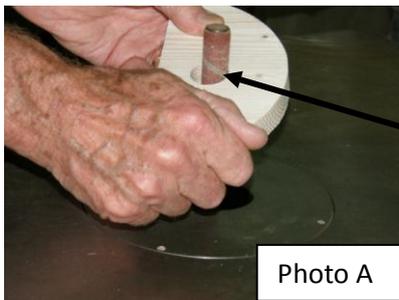
The following must be read in conjunction with SP01 General Workshop Safety Rules.

An oscillating spindle sander is used to sand the edges of contoured or irregularly shaped work-pieces.

The main hazards when operating the spindle sander are; finger entrapment between the sanding spindle and table insert opening; finger or hand crush injuries, finger abrasion due to contact with the rotating sanding spindle and inhalation of dust.

Spindle Sander Safety Rules

1. Wear a dust mask.
2. Keep hands & fingers clear of the oscillating sanding spindle when the machine is running.
3. Keep fingers clear of the gap between the sanding spindle and table insert.
4. Never sand work-pieces that are too small to be safely supported by the table or that could become trapped between the spindle and table insert opening.
5. Never leave the machine running unattended.
6. Always support the work-piece on the spindle sander table. **Do not hold the work-piece up off the table as shown in Photo A**



If the spindle jams between the opposite sides of the hole the work-piece will be grabbed by the spindle, violently rotated and pulled down hard towards the table with possible crushing injuries to fingers or hands.

Spindle Sander Operation

1. To sand concave edges or the internal surface of a hole, select a sanding spindle that has a radius that is slightly smaller than the radius of the surface to be sanded. The spindles are located on racks on each side of the machine.
2. Install the spindle shaft into the spindle mounting hole and, while holding the drive shaft, turn clockwise and tighten by hand. Generally hand tightening is sufficient since the sanding action tightens the spindle. If the two spanners provided are used, only tighten with light pressure on the spanners. *Note: The larger spanner fits on the drive shaft nut and the smaller spanner fits the nut at the bottom of the spindle.*
3. Select and install a table insert that provides the smallest gap between the spindle and the edge of the hole in the insert and check that the spindle can turn freely. *Note: There are three table inserts that hang on hooks on the front and two sides of the machine. Also note that the largest sanding spindle is used without a table insert.*
4. If the inside edge of a hole is to be sanded, place the work-piece on the table with the spindle projecting through the hole. In step 5 below hold the work-piece flat on the table when switching the sander On.
5. Switch the sander On, check that the dust collector has started, then move the surface being sanded slowly in the **opposite** direction to the rotation of the spindle using only light pressure against the spindle. *Do not force the work-piece against the spindle. This can cause burn marks on the work-piece and damage the abrasive sleeve.*
6. When sanding on the edge is complete, clean the abrasive surface of the spindle using a rubber cleaning bar, switch off the machine, uninstall the spindle and return it to the spindle rack. *Note: If a hole was being sanded, first switch off the sander, remove the work-piece then restart the sander and proceed with step 6.*
7. If other edges with different radii require sanding, repeat 1 to 7 until the job is complete.

Prepared By: Jim Spence Date: 27 February 2013	Approved By: Tony Blair Signature:	Date:	Ver: 01
---------------------------------------------------	---------------------------------------	-------	---------