

Woodcraft Manningham – Safe Work Procedure

4.32 CHANGING BLADES ON BANDSAW

DO NOT use this machine unless you have been instructed in its safe use and operation and have been given permission

PERSONAL PROTECTIVE EQUIPMENT



Safety glasses are recommended.



Long and loose hair must be contained.



Hearing protection is recommended.



Sturdy footwear must be worn at all times in work areas.



Close fitting/protective clothing must be worn.

PRE-OPERATIONAL SAFETY CHECKS

- ✓ Locate and ensure you are familiar with all bandsaw operations and controls
- ✓ Check the size and condition of the new blade to be fitted.
- ✓ Ensure all guards are fitted, secure and functional.
- ✓ Check workspace to ensure no slip/trip hazards are present.

OPERATIONAL SAFETY PROCEDURE

- ✓ Turn off the bandsaw at the power point.
- ✓ Make sure the blade has stopped moving.
- ✓ Open the top and bottom doors.
- ✓ Release the blade tension using the tension knob.
- ✓ Remove plastic insert in the table top.
- ✓ Remove the old blade by feeding it through the slot in the table, upper blade guides and guard and the slot in the spine of the machine taking care not to cut yourself. Wear gloves if necessary.
- ✓ Coil up the old blade and store away. (If blade is damaged or blunt dispose of)
- ✓ If the new blade is a different size from the old one, release the top and bottom roller bearing blade guide mechanism.
- ✓ Fit the new blade ensuring the blade teeth are pointing downwards and towards you at the position where the blade passes through the table.
- ✓ To hold the blade in place, apply some blade tension using the tension screw. Do not fully tension at this stage.
- ✓ Rotate the upper wheel by hand to roll the blade around. Check that the blade:
 - runs freely
 - runs in the middle of the upper wheel (if not see next)
 - that the roller bearing guides do not affect the blade's running position.
- ✓ Adjust the upper wheel angle adjustment screw to get the blade running true in the middle of the upper wheel.
- ✓ Fully tension the blade by tightening the tension knob.
- ✓ Refit the plastic insert in the table top.
- ✓ Adjust the thrust roller bearing guides behind the blade, so they just touch the blade.

- ✓ Adjust the side roller bearing guides so they have 0.5mm clearance with the blade but do not touch the teeth.
- ✓ Close the blade access doors and turn on the machine.
- ✓ Check that the blade runs true and there are no strange noises.
- ✓ Make a few test cuts.

ENDING OPERATIONS AND CLEANING UP

- ✓ Switch off the bandsaw when work completed.
- ✓ Wind the blade guide down onto the table when you are finished with the bandsaw. Leave the bandsaw in a safe, clean and tidy state.
- ✓ Wearing gloves, fold the blade into a coils, tie coils together and store away.

POTENTIAL HAZARDS AND INJURIES

- ⓘ Saw may grab and jam in the workpiece.
- ⓘ Flying chips and airborne dust.
- ⓘ Contact with moving blade.
- ⓘ Eye injuries.
- ⓘ Noise.

DON'T

- ✗ Do not use faulty equipment. Immediately report suspect machinery.

Reviewed by
David Cretney
Renato Simionato
John Wheeler
Robert Hartig

2/10/2019