

Thank you for purchasing this Jefferson Tools product. It is important that you read and understand the following safety instructions before use. For safety purposes please ensure that any compatible cutting tools you intend to use with this blade are in compliance with Machinery Directive 2006/42/EC. Please ensure that these instructions are kept in safe place for further reference.

1. Intended Use

This TCT Blade is designed to be used in a stationary or portable sawing machine (please check the table on the reverse side of the packaging to confirm that the blade is compatible with your saw before use). Our range of MAKO TCT blades can be used to cut a variety of materials including aluminium, plastic, wood, MDF, hardboard & particle board. Match the coloured stars on the label on the front of the packaging with the colour chart on the reverse to identify the best blade for your cutting requirements.

2. Before Use

Ensure that the sawing equipment you are going to use with the blade is in safe working order and that you understand the safety regulations applicable to that tool. It is important that anybody using this product is fully competent in using the cutting equipment and, where applicable, that they are familiar with *The Provision and Use of Work Equipment Regulations 1998* and the *HSE /HSC Safe Use of Woodworking Machinery Code of Practice and Guidance* documents.

3. Safe Use of Equipment

- Ensure that you have identified the correct type of blade for your cutting requirements.
- Ensure that the blade bore size and diameter is compatible with the machine you are using.
- Check that the sawblade is in good condition and that the teeth are not damaged or missing. Any damaged or defective blades should be scrapped immediately. The teeth should be sharp and clean before each use to ensure user safety and best performance.
- Check that the tips have not worn below a minimum of 1mm to ensure safe use.
- Ensure that the direction of rotation (indicated by the arrows on the blade) matches your machinery.
- Ensure that the machinery is disconnected from the power source before connecting the blade or carrying out any adjustments at any time after the blade has been fastened.

4. Maximum Speed

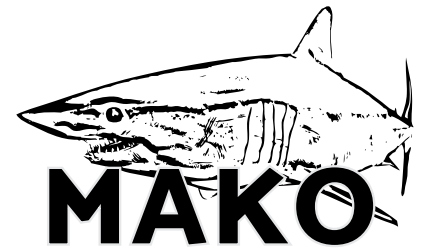
- Check the MAX RPM stated on the TCT blade and ensure that the maximum speed is not exceeded.

5. Mounting the Sawblade

- All Jefferson MAKO Pro TCT blades should be mounted and secured in accordance with the sawing machine manufacturers instructions. Ensure compatibility before use. Contact Jefferson Tools or the saw manufacturer if you are unsure of blade compatibility.
- Ensure that the blade is clamped by the hub and that the cutting edges are not in contact with each other or other parts of the cutting equipment and accessories.
- Ensure that fastening screws and nuts are securely tightened using the correct tools. Do not use excessive force (such as hammering) to secure the blade.
- Clamping surfaces should be clean and dry before mounting the blade to the saw.
- Clamping screws should be tightened in accordance with the manufacturers instructions. Where instructions have not been provided or are unavailable you should tighten the screws from the centre outwards.

6. Using Bushing Washers (Reducing Rings)

- Ensure ring thickness is smaller than the thickness of the original blade body.
- Never use a bushing washer that is smaller in diameter than the flange diameter of the sawing machine.
- Use only Jefferson approved bushing washers on MAKO Pro TCT sawblades.



Warning: The appropriate protective clothing should be worn at all times during use.

- Do not wear loose-fitting clothing when operating cutting equipment.
- Always make sure that the sawing machine is fitted with safety guards before use. Ensure that dust extraction is in place and that a dust mask is worn before cutting.
- When using stationary sawing machines, it is important that you use a push block to feed any material towards the blade when making cuts less than 300mm in length or to feed the last 300mm length of longer cuts.
- Do not use this equipment to cut materials with embedded nails.
- Ensure that the material being cut is held or fixed firmly to prevent vibration and snatching.
- Where possible, trial cuts should be made in waste material prior to making your final cut.

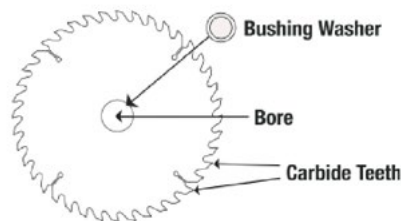


7. Fitting the Bushing Washer

1. Disconnect the sawing machine from the power supply and remove the blade following the procedure stated in the manufacturer's instructions.
2. Identify the correct bushing washer for the blade and test it on the spindle to ensure that it fits securely.
3. Lay the sawblade on a flat surface and ensure that there is no contact between the flat surface and the carbide teeth on the blade.
4. Position the reducing ring over the bore and using a small hammer gently tap around the outer edge until it is flush with the blade body. Ensure that the washer is fitted neatly into the bore, that is flat with no protrusions on either side of the blade.

Note: Do not use the TCT blade if there is any doubt that the bushing washer is incorrectly fitted.

5. Mount the blade on the sawing machine following the procedure listed in the machines instruction manual.
6. Check to ensure that the fixing flange covers the bushing washer completely before use.



8. Using Aluminium & Plastic Cutting Blades

- Before cutting with Jefferson MAKO Pro TCT Aluminium and Plastic sawblades, check that the sawing machine is compatible with aluminium and plastic cutting.
- When cross-cutting aluminium and plastic extrusions a saddle should be made to hold the component securely.

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9. Cutting Non-Ferrous Metal

- Always wear gloves when cutting non-ferrous metals.
- Use a suitable cutting lubricant such as the Jefferson Cutting & Tapping Fluid (JEFSR03) when cutting non-ferrous metals.
- Ensure that the non-ferrous materials are securely clamped at both sides before making the cut.

10. Sawblade Repair & Maintenance

- Always follow the manufacturers instructions or check with the manufacturer for advise before carrying out any repair of tools to ensure your personal safety and the safety of others.
- It is important that the following guidelines are followed when carrying out repairs and maintenance on Jefferson MAKO Pro TCT Blades:
 1. The design and composition of the TCT blades should not be altered in anyway during maintenance or repair.
 2. Repairs should be carried out by trained and competent individuals with a full understanding of the tools design and an awareness of the levels of safety required to operate the tool in the workplace environment.
 3. Repairs should only be carried out using spare parts that are provided or endorsed by Jefferson Tools. You should contact Jefferson Tools for advise before attempting to carry out any repairs on any tools in our range.
 4. Ensure that any cleaning or maintenance of the blade does not cause any weakening of the cutting edge or the blade body and the connection of the cutting edge to the hub.

11. Environmental Protection

- Any waste packaging or redundant tools and accessories that have reached the end of their working life should be recycled rather than disposed as waste.



Guarantee

All Jefferson products are guaranteed against any defects in material or build quality providing that the products have not been damaged due to improper use or maintenance.

You can find out further information at any time by contacting us using the details listed below or by visiting our website: www.jeffersonstools.com

Please note:
Jefferson Tools are constantly seeking to improve our products and services and as a result specifications may change at anytime without prior notice.

Jefferson Tools cannot be held liable for any material rendered unusable or any form of loss as a consequence of any developments or changes to our product specifications.



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