



The Shed provides items such as welding masks and gloves.

Members are required to provide their own footwear, eyewear, hearing protection and masks.

Safety

This is a very high priority for our Shed members. There are some aspects that are mandatory under our insurance policies and some which the The Shed requires members to adhere to for everyone's benefit.

The Shed Safety Induction

It is a requirement of attendance at The Shed that members have reviewed the Safety Induction Presentation

Personal Protective Equipment

This is required in various forms depending upon the equipment being used or the activity being undertaken.

Protective eyewear is always mandatory when using machinery.

The Shed schedules a Coordinator and a First Aid Safety Officer for each day of attendance and their safety directions are final and must be adhered to.



Shed Resources

- Flat Tool Wet Sharpening System – Newer Tormek
- Gouge Jig Wet Sharpening - Older Tormek & Grinders
- 8in Slower Speed Tool Grinder (1420 rpm) – Carba-Tec
- 8in General Purpose Tool Sharpening Grinder – GMF
- Drill Sharpening – Use of Drill Doctor Machine

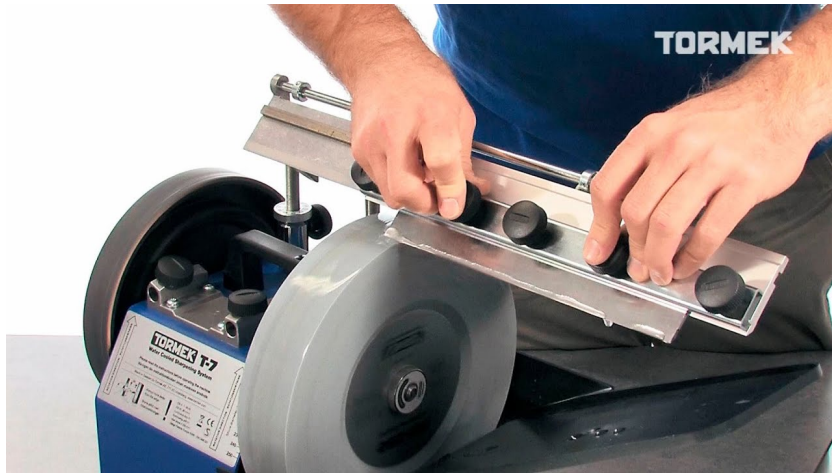
Tool Sharpening

Hazards that may arise when operating the blade sharpener include:

- Moving and rotating parts (blades and bits, tool disintegration)
- Movement of the workpiece
- Electrocution from power faults, faulty equipment or incorrect use
- Burns from hot materials or friction
- Hand and finger injuries
- Noise – wear approved hearing protection
- Eye injury – wear approved eye PPE

Be sure to read the Tormek manual

It is very good !



If you are not sure of what you wish to do, then ask a coordinator

PRE-OPERATIONAL SAFETY CHECKS

1. Check workspaces and walkways to ensure no slip/trip hazards are present.
2. Ensure all guards and safety shields (spark deflectors) are in position before starting the grinder.
3. Check that electrical cords are not damaged.
4. Ensure that the grinding wheels are properly 'dressed' and that wheels do not touch the tool rest and that the gap between wheel and rest is no greater than 1.5 mm.
5. Check that grinding wheels are running true (regularly dressed) and are not glazed or loaded.
6. Locate and ensure you are familiar with the operation of the ON/OFF start switch and the Emergency Stop button (where fitted).
7. Secure and support the tool to be sharpened using guide and appropriate clamps.
8. Faulty equipment must not be used. Immediately report and repair any damaged machinery.



For a great set of Tormek tutorials see:

<https://youtu.be/4k5VAW3qOu4>

OPERATIONAL SAFETY CHECKS

1. Stand to the side of the wheels when starting up.
2. Let the wheels gain maximum speed before starting to grind.
3. Do not grind on the side of the wheel.
4. Small objects must not be held by hand.
5. Workpiece must never be held with gloves, cloth, apron or pliers.
6. Never leave the machine running unattended.
7. Do not bend down near the machine whilst it is running.
8. Never force the workpiece against a wheel.
9. Slowly move the workpiece across the face of the wheel uniformly. Do not use the side of the grinding wheel to grind workpieces.
10. Coolant spilt on the floor should be immediately cleaned up with absorbent material.



Features

- Low speed (1400 RPM vs 2800 RPM) is perfect for sharpening
- Both wheels are Aluminium Oxide for High Speed Steel
- Metal (not plastic) spark guard supports for longevity
- Clear spark guards for great visual referencing
- Flat cast alloy tool rests for accuracy when sharpening
- No Volt Release switch for your safety

Carbatec Slow speed Grinder

This low-speed grinder has been developed to help you to keep your tools sharp and ready to use. Most standard bench grinders run at more than 2800RPM, and with extra speed, comes extra heat. Heat build-up while grinding destroys the temper of your tool steel. The Carbatec Low Speed Grinder runs at only 1450RPM, meaning less heat and less temper degradation (blueing). LOWER SPEED = MORE TORQUE!

The 2x large 8" (200mm) wheels offer minimal hollow grind and are both Aluminium Oxide made specifically for HSS and other tool steel. Standard 'grey' wheels are for general grinding, not sharpening.

Flat & robust tool rests are included, and with a host of accessories available, you can easily build a powerful sharpening station around this unit. We have specified a 5/8" spindle, so you can also fit many other aftermarket grinding, finishing & polishing accessories.

We supply an 80G & 120G wheel, so you can easily reshape and sharpen your tools, ready to use, without having to change wheels.



- GMF 8in General Purpose Tool Sharpening Grinder



Get pic of our grinder
Find out grit



- HOUSEKEEPING
- 1. Switch off the grinder at the end of work and switch off at power point.
- 2. Check that power leads have not been damaged during use.
- 3. Clean swarf and leave the machine in a safe, clean and tidy state.
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