

Member Accreditation

Knife Sharpening

S2

Shed Resources

Flat Tool Wet Sharpening System – older Tormek

This is located on the bench with the metal grinders and is available for use by accredited Members.

This wheel is not to be used for aluminium, brass, plastic or wood

The appropriate paste is to be used with the leather honing wheel.



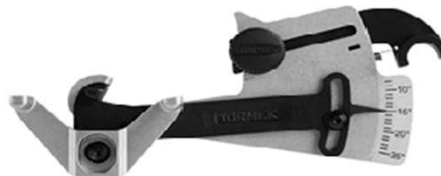
Kushed Procedures

Knife Sharpening

S2

Shed Resources

- KS-123 Knife Angle Setter
- KJ-45 Knife Centering Jig
- KJ-140 Wide Knife Centering Jig
- SVX-150 Scissors Jig



Tormek Sharpening System



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.



Tool Sharpening

Hazards that may arise when operating the knife sharpener include:

- Moving and rotating parts (blades and bits, tool disintegration)
- Movement of the workpiece
- Electrocution from power faults, faulty equipment or incorrect use
- Hand and finger injuries (NEVER TEST THE SHARPNESS OF THE BLADE AGAINST YOUR SKIN)
- Noise – wear approved hearing protection
- Eye injury – wear approved eye PPE

Be sure to read the Tormek manuals
These are located in the Tormek cabinet



If you are not sure what to do, ask a Coordinator

PRE-OPERATIONAL SAFETY CHECKS

1. Check workspaces and walkways to ensure no slip/trip hazards are present.
2. Check that electrical cords are not damaged.
3. 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.
4. Locate and ensure you are familiar with the operation of the ON/OFF start switch.
5. Secure and support the tool to be sharpened using the appropriate jig.
6. Faulty equipment must not be used. Immediately report and repair any damaged machinery.
7. Ensure the water tray has plain water to a level above the bottom of the wheel



For the Tormek tutorials related to this process see:

- KS-123 Knife Angle Setter

<https://www.youtube.com/watch?v=5qiCHOqlxb4>

KJ-45 Knife Centering Jig

<https://www.youtube.com/shorts/s4Y9Q4Tx1kM>

- KJ-140 Wide Knife Centering Jig

<https://www.youtube.com/watch?v=z4-HArUSCJo>

- SVX-150 Scissors Jig

<https://www.youtube.com/watch?v=IVI8ITiMIAA>

OPERATIONAL SAFETY CHECKS

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



HOUSEKEEPING

- 1. Switch off the Tormek at the end of work and switch off at power point.
- 2. Check that power leads have not been damaged during use.
- 3. Remove the water tray (take out the metal tray below the water tray. Empty the water tray and clean out. Replace water tray and metal tray underneath.
- Return the jigs to the cabinet