



## Safety Awareness Program KDW-12 Grinders

### Introduction.

This safety Awareness procedure forms part of the Knox and District Woodworkers Inc. Safety Awareness Program, and details the safety requirements to be adopted in the operation of the equipment described below.

### Definition.

There are two types of grinders at KDWC they are as follows-

- Double ended grinder to be used for the sharpening of turning and general chisels.
- Double ended grinder for the sharpening of drills and general purpose grinding.

### Description.

**Double Ended Grinder Chisel Sharpening.** This double ended grinder is an electric motor with a grinding wheel on either end. These wheels can be of differing compounds and grades to suit the purpose required.

**Double Ended Grinder Drill Sharpening.** This double ended grinder is an electric motor with a grinding wheel on either end. These wheels are a general purpose wheel suitable for the sharpening of drills and other equipment.



**Double Ended Grinder  
Chisel Sharpening.**



**Double Ended Grinder  
Drill Sharpening.**



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Grinders

**Safety. (General).**

Prior to the operation of the Grinders the following safety rules must be applied.

- Be aware of the emergency stop procedure. (Stop button is located at the front of the machine).
- Ensure the member is aware of other members in the immediate area.
- Ensure work area is clear of obstructions that may cause tripping or falling.
- Always wear eye protection when using any grinder.
- Ensure member is aware of dangers associated with the movement of the grinding wheels or disc.
- The dangers of loose clothing or long hair being caught in machinery is well documented, therefore when using this machine, the member must wear the appropriate clothing. (Ref KDW-01).
- Ensure the Grinder is turned off on completion of the sharpening operations.

**Operation.**

**Chisel Sharpening With Double Ended Grinders,** When sharpening chisels with double ended grinders always **use a properly secured tool rest** that is set as close as possible to the face of the grinding surface and gently present the edge of the Chisel to the grind stone at the correct angle, gently move the chisel across the face of the grind stone ensuring an even sharpening of the cutting edge. In the case of Turning Chisels always move the chisel to the contour or shape of the chisel to ensure the whole of the cutting edge is ground.

**Double Ended Grinder Drill Sharpening.** When sharpening a drill it is not always necessary to use a tool rest, however when sharpening large drills it is advisable to use the tool rest. A drill should be sharpened from the front of the rake to the rear with the cutting edge the highest point.

**Housekeeping.**

When operating any machinery or equipment ensure there are no obstacles, work or any other obstruction cluttering the work area. It is part of the members responsibility to ensure an adequate level of housekeeping is maintained around each machine to ensure the safety of themselves and all other members.

**Conclusion.**

The above safety requirement is intended to ensure the safety and well being of all club members, for detailed instruction on the operation of the above equipment refer to the appropriate club members. It is expected that each member will ensure that all work undertaken is carried out with consideration and due care for all.