



Tool and Safety Overview: C-Clamp and Mitre Box

Introduction: A C-Clamp is used to secure materials to a work surface. Common uses are to secure materials for cutting or drilling or to secure an object while gluing such as a mitre box. A mitre box is used to hold wood in place so it can be drilled. Mitre boxes come in different sizes to accommodate different kinds of wood.

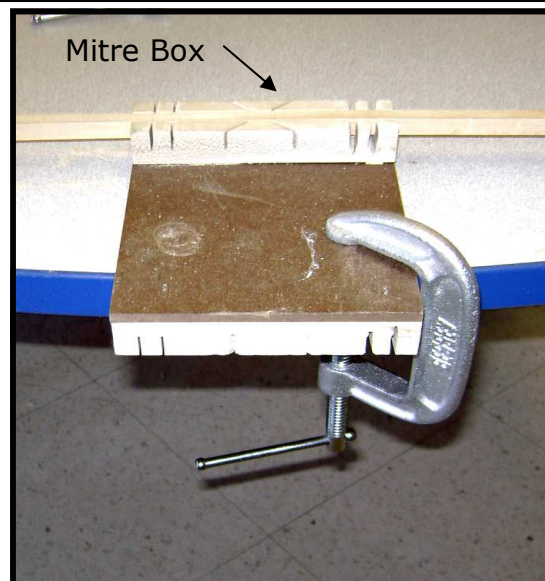
Safe Use Procedures:

To use the Mitre Box :

- The mitre box should be securely fastened to a work surface using a C-Clamp
- The mitre box provides guide slots so that wood can be cut accurately
- Mitre boxes with worn guides should be replaced

Safety Considerations:

- When cutting wood ensure that hands and fingers are out of the path of the blade



Safe Use Procedures:

To use the C-Clamp:

- Place the object on a smooth surface, position the clamp so that the "C" is surrounding both the the surface and the object.
- Turn the Handle until the objects are squeezed together.
- Ensure that the clamp is tightly secured
- Check frequently to see if the object is still secure

Safety Considerations:

- Ensure that the clamp is tightly secured
- Avoid catching fingers and clothing when tightening clamp.
- Avoid dropping clamp on floor or toes

Notes:

- Please ensure that tools are in good working condition prior to use
- Refer to General tool use guideline for more information on the safe use of tools
- **WWW.OCTE.ON.CA/elementary** for more information