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| --- | --- | --- | --- | --- | --- |
| **CLAMPING TOOLS**  **BELT SANDER** | | | | | |
| **DO NOT** use any hand tool unless a teacher has instructed you  in its safe use and operation and has given permission | | | |
| D:\bclar52\Desktop\Pictures - ITD Plant & Equip\Hand Tools\Clamping Group.jpg | | | | | |
|  |  | Safety glasses must be worn at all times in ITD practical workshops. |  | |
|  | Foot Protection circle | Appropriate protective footwear is also required when using clamping tools or devices. |

**This range of hand tools will usually include the following:**

* **Woodworking vice and engineer’s vice**
* **Sash clamp, pipe clamp and holdfast**
* **“G” clamp, “F” clamp and quick action clamp**
* **Mitre clamp, framing clamp and web clamp**

**OPERATIONAL SAFETY CHECKS**

1. **It is important to choose the right clamping tool or vice for the job. They will vary widely, and are all designed for specific purposes.**
2. **Pre-adjust clamps to an appropriate size and position. Accurately check for correct alignment.**
3. **Use scrap wood (or shim) where necessary to protect the clamping surface of soft materials.**
4. **DO NOT use a hammer to tighten a clamp or vice. Firm hand pressure should be applied gradually, as excessive strain may damage the clamp and the material being held.**
5. **Never expose clamping tools or vices to excessive heat.**
6. **Report any worn or damaged clamping tools or vices that show signs of damage.**

**HOUSEKEEPING**

1. **After use, return all clamps to their appropriate storage racks.**
2. **Leave the work area in a safe, clean and tidy condition.**
3. **Regularly clean the face, pressure plate or jaws of the clamping tool.   
   Foreign debris will damage the surface of the material being held.**
4. **Apply a little lubricant to the clamp screw threads, posts and pivot points to keep them operating freely.**

**Date of last review:**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Signature:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**POTENTIAL HAZARDS AND RISKS**

**■ Pinch and squash ■ Lacerations ■ Eye injuries**