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Safe Job Procedure for Bench Grinders

Pre Set-Up and Use of Grinder

- Ensure lighting is adequate.
- Do not wear loose clothing.
- Make sure there are no flammables around grinder
- Make sure the stone guard is set at proper angle to protect your eyes.
- Make sure the stone is no more than 1.55 mm to inside edge of rest.
- Make sure you're wearing appropriate PPE.
- Make sure grinding stone is in good condition.

To replace a damaged grinding stone

- Review and follow specific manufacturer's instructions.
- Unplug grinder from wall.
- Make sure rotation has stopped, push and hold lock pin to hold stone.
- Use appropriate wrench to loosen and remove arbour lock bolt.
- Replace stone with proper grade and size.
- Make sure nut is faced the right way depending on the application stone.
- Screw on the nut and tighten it firmly with the matching wrench.
- Remove finger from lock pin.
- Plug back into wall

Operation Procedure

1. Start the grinder by pressing the switch to on.
2. Firmly push the work piece down on the rest and slowly apply it to the stone.
3. Be prepared to have sparks.
4. While grinding, do not lift work piece off the rest. It will cause the work piece to catch the stone and possibly cause injury.
5. Try and keep the work piece 90 degrees to the grinding stone or it might catch and pull it from your hands.
6. Remove work piece from rest first pulling it away from stone.
7. Turn off Grinder and do not leave grinder till it stops rotating.
8. Keep the work area clean for other people to use it.

Please note: This document is for information purposes only as a guide. The safe job procedures (SJP) and safe work practices (SWP) created for your workplace should reflect your organizations processes, equipment and hazards as identified by a hazard analysis. Construction Safety Nova Scotia does not assume responsibility for the use of information in this document. If assistance is needed to complete a SWP and SJP for your organization please contact CSNS member services at constructionsafetyns.ca or 1.800.971.3888.



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Additional Considerations

- Grinding produces heat so gloves are recommended, however, gloves should be snug fitted to avoid catching in moving equipment.
- Always make sure the saw is unplugged before changing the stone.
- Consult the supervisor if unsure of how to use.

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