

GRINDING SAFE WORK PRACTICES

REVIEWED April 26, 2016

OH&S CODE PART 25 SECTION 375

Grinding is the removal of unwanted material, usually concrete or metal. Injury may occur if properly maintained protective equipment and guards are not used.

Grinding safe work practices

When grinding, make sure that these safe work practices are followed:

- Check the tool for the correct distance from the abrasive wheel (maximum 1/8" or 3 mm)
- Replace the grindstone when adjustment of the rest cannot provide 1/8" or 3 mm distance from the abrasive wheel
- If the wheel has been abused and ground to an angle or grooved, reface the wheel with the appropriate surfacing tool
- Protect your eyes with goggles or a face shield
- Protect your hearing with hearing protection.
- Remove hanging jewellery
- Tie or confine long hair
- When a grinding wheel is mounted, check to make sure the grinding disk rotation does not exceed the manufacturer's recommendation by checking the speed specifications on the grinder.
- Ensure that the flanges supporting the grinding wheel are a maximum of 1/3 the diameter of the wheel and fit the shaft rotating speed according to the manufacturer's recommendation
- **Do not** grind material on bench grinders on the side of the wheel (they are designed for peripheral grinding)
- **Do not** stand directly in front of grinding wheel when it is first started
- Unplug or lock out the grinder before doing adjustments or repairs
- **Do not** leave a grinder unattended while the wheels are turning
- Use pliers or a vice grip to hold small items
- Allow the object you are grinding to cool before handling it
- Don't slow down grinder when power off with material.

- Grind without bulky gloves
- Hold material at an angle that won't let the grinder propel material towards you.
- Ensure grinder is securely fastened to bench or stand.
- Hand held grinders must have at least 120 degrees of the grinding surface covered.

RELATED DOCUMENTATION:

Concrete Grinding SWP & HAA

Equipment Machinery SWP & HAA

Repetitive Strain Injuries SWP & HAA

Hand Held Grinders (Worksafe BC)

Power Tools SWP & HAA

Fire Extinguishers. SWP & HAA

Hot Work SWP & HAA