

Working Safely With Grinders

Before You Begin...Ask Yourself:

- Is the grinder securely mounted to the bench, or is the pedestal grinder on a steady surface?
- Is the grinding wheel securely mounted on the machine?
- Is the wheel right for the size and speed of the machine?
- Is the cover to the power transmission motor securely in place?
- Is the guard adjusted properly?
- Is the grinder connected to a working exhaust system?
- Are work rests adjusted properly? They should be slightly below the center of the wheel and to within an eighth of an inch of the wheel.
- Are you using the right type of wheel for the job? The wrong wheel could break, causing extreme hazard.

How to Prevent Injuries...

- Make sure there is adequate light in your work area.
- Use guards or hoods that enclose most of the wheel surface.
- To prevent damage to new wheels, store them carefully in a dry area close to the grinding operation. Lift them carefully to avoid dropping or bumping.
- Never use a damaged or defective wheel.
- Make sure you are properly trained before using the wheel.
- After mounting a wheel or brush and replacing the guard, stand to one side and allow the grinder to run for a minute to make sure the wheel is safe.
- Wait until the grinder has come to full speed before you begin using it.
- Avoid loose hair or clothing such as scarves, dangling jewelry, ties or loose sleeves.
- Use personal protective equipment: safety glasses with side shields and full face shields, gloves, dust mask and hearing protection as required.

Watch Out for These Hazards...

- hand injury as a result of trying to adjust the wheel or the rests while the wheel is in motion
- eye injury from particles of metal loosened during operation or from a wheel disintegrating due to defectiveness or excessive speed
- respiratory disease from inhaling dust and fumes

SAFETY HAZARDS