

STAY SAFE WITH SOCIETY

BENCH GRINDER AND ABRASIVE WHEEL SAFETY

Shaping materials by contact with fast-spinning abrasive wheels or disks can be done in a variety of ways. They are also used to polish, buff, and hone. Wire wheels are used to help in deburring, cleaning, and stripping materials.

Achieve injury prevention from flying particles of your work material or from the wheel itself by using some basic measures, as noted below:

- The side guards should cover the spindle, nut, flange, and 75% of the wheel diameter.
- Keep the tool rest adjusted to within 1/8 inch of the wheel.
- Keep the tongue guard on the top side of the grinder to within 1/4 inch of the wheel.
- The maximum RPM rating of each wheel should be compatible with the RPM rating of the grinder motor.
- Visually inspect and ring-test all new abrasive wheels before they are mounted. (Ring testing is done by gently tapping wheels with a non-metallic tool. A wheel in good condition will emit a metallic ring.) Reject those that have a dead sound or cracked sound.
- Bench and pedestal grinders should be permanently mounted.
- Always wear protective eye wear and hearing protection when using the grinder.
- Maintain good housekeeping around the grinders.

Wheel Safety Checklist:

- Before use, examine new and current wheels for any signs of damage.
- Handle wheels carefully.
- Do not pile other items, such as tools, on top of wheels.
- Do not store wheels near excessive heat or cold.
- Do not store wheels in contact with moisture or oil.



**ALWAYS WEAR
EYE AND HEARING
PROTECTION WHEN
USING A GRINDER.**

A Small Detail
That Can Make a
Big Difference.

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This information is advisory, and it must not be assumed that it has detected all unsafe acts or conditions. This information is designed to assist you in recognizing potential safe work problems and not to establish compliance with any law, rule or regulation.

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