

# Safety Guide



## Important:

The following information about safety should be used only as a guide. All products listed in this catalog shall be used in accordance with safety regulations set by OSHA and by the directive described by the American National Safety Institute B7.1, 2000, covering: Speed, Safety Guards, Flanges, Mounting Procedures, General Operating Rules, Handling, Storage, and Inspection of General Machine Conditions.

## Operate Wheels at Recommended Speeds:

Abrasive wheels must be operated at recommended safe speeds. For safety reasons, abrasive wheels should never be operated at a speed greater than that which is indicated on the blotter or wheel.

## WARNING

Avoid inhalation of dust generated by grinding and cutting operations. Exposure to dust may cause respiratory ailments as well as irritation to eyes and skin. In most cases, a greater hazard is the exposure to the dust/fumes from the base material being ground or paint or coatings applied to it. Use approved NIOSH or MSHA respirators, safety glasses or face shields, gloves & protective clothing. Use adequate ventilation to eliminate dust or to maintain dust levels below the Threshold Limit Value for nuisance dust as classified by OSHA. Refer to Material Safety Data Sheet for more information.

The information below is designed as a guide for the individual user of abrasive wheels, whether he is employed by a large corporation or is in the confines of his home work shop. It is based on the premise that grinding/cutting is a safe operation when a few basic rules are followed. These rules are based on material contained in the American National Standards Institute Safety Requirements B7.1 – “Use, Care & Protection of Abrasive Wheels.”

- ✓ **Do** always handle and store wheels in a careful manner.
- ✓ **Do** visually inspect all wheels before mounting for possible damage.
- ✓ **Do** make sure operating speed of machine does not exceed speed marked on wheel, its blotter or container.
- ✓ **Do** check mounting flanges for equal size, relieved as required and correct diameter.
- ✓ **Do** use mounting blotters as required by ANSI standards.
- ✓ **Do** be sure work rest is properly adjusted on bench, pedestal and floor stand grinders.
- ✓ **Do** always use safety guard that covers a minimum of one-half (1/2) the abrasive wheel.
- ✓ **Do** allow newly mounted wheels to run at operating speed, with guard in place, for at least one minute before grinding.
- ✓ **Do** always wear safety glasses or some type of approved eye protection while grinding or cutting. (Read Warning Above)
- ✓ **Do** turn off coolant before stopping wheel to avoid creating an out-of-balance condition.
- ✓ **Do** follow federal, state and local laws and regulations.
- ✗ **Don't** use a wheel that has been chopped or appears to have been abused.
- ✗ **Don't** force a wheel onto the machine or alter the size of the mounting hole. If wheel won't fit the machine, get one that will.
- ✗ **Don't** ever exceed maximum operating speed established for the wheel.
- ✗ **Don't** use mounting flanges on which the bearing surfaces are not clean, flat and smooth.
- ✗ **Don't** tighten the mounting nut excessively.
- ✗ **Don't** grind on the side of conventional, straight or Type 1 wheels.
- ✗ **Don't** use a wheel on any machine that is not properly designed for specific application of the wheel.
- ✗ **Don't** start the machine until the safety guard is properly and securely in place.
- ✗ **Don't** jam work into the wheel.
- ✗ **Don't** stand directly in front of a grinding/cutting wheel whenever a machine is in operation.
- ✗ **Don't** grind or cut material for which the wheel is not designed.

**A pamphlet including these Do's and Don'ts and other safety information is included in each box of wheels.**