

SAFETY GUIDE FOR GRINDING WHEEL USERS

Grinding is a safe operation if the few basic rules listed below are followed. These rules are based on material contained in the ANSI B7.1 *Safety Requirements for Use, Care and Protection of Abrasive Wheels*. For your safety, we suggest you benefit from the experience of others and carefully follow these rules.

POST A COPY OF THIS NEAR YOUR GRINDING MACHINE.

WARNING:

IMPROPER USE MAY CAUSE BREAKAGE AND SERIOUS INJURY

→ DO ←

1. **DO** always HANDLE and STORE wheels in a CAREFUL manner.
2. **DO** VISUALLY INSPECT all wheels before mounting for possible damage.
3. **DO** CHECK MACHINE SPEED against the established maximum safe operating speed marked on the wheel.
4. **DO** CHECK MOUNTING FLANGES for equal and correct diameter. Should be at least 1/3 diameter of the wheel and relieved around hole.
5. **DO** USE MOUNTING BLOTTERS supplied with wheels.
6. **DO** be sure WORK REST is properly adjusted. Center of the wheel or above; no more than 1/8" away from the wheel.
7. **DO** always USE A SAFETY GUARD covering at least one half of the grinding wheel.
8. **DO** allow NEWLY MOUNTED WHEELS to run at operating speed, with guard in place, for at least one minute before grinding.
9. **DO** always WEAR SAFETY GLASSES or some type of eye protection when grinding.
10. **DO** TURN OFF COOLANT before stopping wheel to avoid creating an out-of-balance condition.

→ DON'T ←

1. **DON'T** use a cracked wheel or one that HAS BEEN DROPPED or has become damaged.
 2. **DON'T** FORCE a wheel onto the machine OR ALTER the size of the mounting hole - if the wheel won't fit the machine, get one that will.
 3. **DON'T** ever EXCEED MAXIMUM OPERATING SPEED established for the wheel.
 4. **DON'T** use mounting flanges on which the bearing surfaces are NOT CLEAN, FLAT AND FREE OF BURRS.
 5. **DON'T** TIGHTEN the mounting nut EXCESSIVELY.
 6. **DON'T** grind on the SIDE OF THE WHEEL, unless wheel is specifically designed for that purpose. See Safety Code B7.1 for exception.
 7. **DON'T** start the machine until the WHEEL GUARD is in PLACE.
 8. **DON'T** JAM work into the wheel.
 9. **DON'T** STAND DIRECTLY IN FRONT of a grinding wheel whenever a grinder is started.
 10. **DON'T** FORCE GRINDING so that motor slows noticeably or work gets hot.
 11. **DON'T** grind material for which the WHEEL IS NOT DESIGNED.
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