

GRINDING WHEEL QUICK REFERENCE

SAFETY GUIDE

DO

- ✓ Check all wheels for cracks or other damage before mounting.
- ✓ Make sure the machine speed does not exceed the maximum operating speed marked on the wheel
- ✓ Use an ANSI B7.1 wheel guard. Position it so it protects the operator.
- ✓ Be sure wheel hole or threads fit machine arbor properly and that the flanges are clean, flat, undamaged, and the proper type.
- ✓ Run wheel in a protected area for one minute before grinding.
- ✓ Wear ANSI Z87+ safety glasses and additional eye and face protection, if required.
- ✓ Employ dust controls and/or protective measures appropriate to the material being ground.
- ✓ **Comply with OSHA regulations 29 CFR 1926.1153** when working on materials containing crystalline silica such as concrete, mortar and stone.
- ✓ Hold grinder firmly with two hands.
- ✓ Cut in a straight line only when using cutting wheels.
- ✓ Support work-piece firmly.
- ✓ Read the machine manual, operating instructions and warnings.
- ✓ Read SDS for the wheel and the work-piece material.

DO NOT

- ✗ Allow untrained people to handle, store, mount or use wheels.
- ✗ Use grinding or cutting wheels on pistol grip air sanders
- ✗ Use wheels which have been dropped or damaged.
- ✗ Use a wheel on grinders rotating at speeds higher than the MAX RPM marked on the wheel or on grinders that do not show a MAX RPM speed.
- ✗ Use excessive pressure when mounting a wheel. Tighten enough only to hold wheel firmly.
- ✗ Alter a wheel hole or force it on a spindle.
- ✗ Mount more than one wheel on an arbor.
- ✗ Use any Type 1/41 or 27/42 cutting wheel for grinding. Do not apply any side pressure on a cutting wheel.
Use for CUTTING ONLY.
- ✗ Use a cutting wheel to cut curves. Cut in straight lines only.
- ✗ Twist, bend or jam any wheel.
- ✗ Force or bump wheel so that the tool motor slows or stalls.
- ✗ Remove or modify any guard. **ALWAYS use a proper guard.**
- ✗ Use wheels in the presence of combustible materials.
- ✗ Use wheels near bystanders if they are not wearing protective equipment.
- ✗ Use wheels for applications other than for which they were designed. **Refer to ANSI B7.1 and wheel manufacturer.**

These rules are designed as a guide for the individual user of grinding wheels whether he/she be employed by a large corporation or in the confines of a home workshop. These rules are based on material contained in the American National Standards Institute Safety Requirements B7.1 — "Use, Care & Protection of Abrasive Wheels."