

FLEX

Safety Warnings and Guidelines for Users of Portable Grinding, Cutting and Flap-Disc Wheels

Notice: Deliver this guide to the wheel operator – For all users whether industrial, commercial, or residential.

⚠ WARNING



- MUST read instruction manual of the tool the wheel will be mounted to.



- Read this safety guide.
flexpowertools.com/abrasive-safety



- MUST wear eye protection, hearing and respiratory protection.



- Wear gloves for application that require extra protection.



- Do NOT use a damaged wheel. Inspect the wheel before use. Do NOT use if damaged.



- Use guard.



- This wheel to be used for cutting only. NO surface grinding.



- This wheel requires Type 1 guard as shown in blue for cutting only. Do NOT use Type 27 Guard.



- This wheel to be used for grinding only. NO cutting.



- This wheel requires Type 27 guard as shown in blue for grinding only. Do not use Type 1 guard.



- For combo cutting and grinding wheels.



- For combo cutting and grinding wheels: Use Type 1 guard for cutting only. Use Type 27 guard for grinding only.

Additional Warnings:

Follow OSHA and ANSI B7.1 standards • For additional safety information see ANSI safety code B7.1 and B7.5 and read instruction manual for tool which wheel will be mounted to • Do not use near flammable materials and gasses • Wheel RPM must not exceed tool RPM • Mount wheel per tool instructions • Wear a body apron and gloves • Adjust cutting guard for MAX operator protection • Run for one minute in a safe location • Do not apply excessive side pressure, pinch, jam, or twist wheel while working. Kickback may occur if the wheel is jammed • Do NOT position your body in-line with the wheel • Do not use the wheel if exposed to moisture • Discard if dropped or damaged.

⚠ WARNING

The operation of this tool may produce or disperse dust, which has the potential to result in severe and lasting respiratory or other injuries. It is imperative to employ NIOSH/OSHA always approved respiratory protection suitable for dust exposure. Ensure that particles are directed away from your face and body. Additionally, it is essential to consult and adhere to the tool manual when using this product with power tools.

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MUST DO

HANDLE and store the wheels in a careful manner.

ENSURE that the grinder's speed NEVER exceeds the maximum operating speed specified on the wheel, its blotter, or container.

PERFORM a visual inspection of all wheels for cracks or any other damage before mounting. If any damage is found, DO NOT use the wheel. In addition to visual inspection run the wheel in a protected area for one minute.

USE a mounting blotter if it is provided with wheels.

ENSURE that the wheel hole, whether threaded or unthreaded, fits the grinder spindle or pilot diameter on the backing flange correctly. Make sure that the flanges are clean, flat, undamaged, and of the appropriate type for the wheel being mounted.

ALWAYS use the proper guard and position it to protect the user effectively.

WEAR appropriate Personal Protection Equipment

- Eye protection meets ANSI Z87.1 (CAN/CSA Z94.3)
- Hearing protection meets ANSI S12.6 (S3.19)
- Face shields

WEAR appropriate safety clothing: gloves, apron, and boots.

SECURE the workpiece firmly while cutting or grinding.

ENSURE that the tool is disconnected from the power supply or battery and that the switch is in the "OFF" position before changing the wheel or adjusting the guard.

IMPLEMENT dust controls and protective measures that are suitable for the material being ground.

ADHERE to OSHA regulations 29 CFR 1926.1153 when working with materials containing crystalline silica, such as concrete, mortar, and stone. Always use NIOSH/OSHA approved respiratory protection suitable for dust exposure.

HOLD the grinder firmly with two hands as per the grinder instruction manual, maintaining a secure grip.

STRAIGHT cuts only when using cutting wheels, make sure to cut in a straight line only.

FAMILIARIZE yourself with the machine manual, operating instructions, and warnings.

READ the SDS (Safety Data Sheet) for both the wheel and the workpiece material.

DO NOT

NEVER exceed the recommended working speed marked on the wheel or on grinders that don't display the MAX RPM speed.

AVOID using a wheel that has passed its expiration (EXP) date, if provided near the center of the wheel.

DO NOT use a cracked or damaged wheel, or one that has been dropped.

DO NOT attempt to force a wheel onto a grinder or modify the size of the mounting hole. Use a wheel that fits properly.

DO NOT use mounting flanges with unclean, uneven, or burr-covered bearing surfaces.

ONLY tighten the nut or flange enough to securely hold the wheel; avoid overtightening.

DO NOT grind on the side of conventional straight or Type 1/41 wheels.

ONLY use a wheel on a grinder that is specifically designed for the wheel's intended application.

NEVER start the grinder unless the wheel guard is correctly and securely in place.

AVOID jamming the wheel into the workpiece.

STAY CLEAR of the direct path of a grinding/cutting wheel when a grinder is in operation.

NEVER allow untrained individuals to handle, store, or mount wheels.

DO NOT grind or cut materials for which the wheel is not designed.

DO NOT use grinding or cutting wheels on pistol grip air sanders.

LIMIT mounting to one wheel per grinder.

DO NOT modify the arbor or attempt to force the disc to fit on differently sized spindles or tools.

ONLY use cutting wheels for straight-line cuts; do not attempt to cut curves.

AVOID twisting, bending, or jamming the wheel.

AVOID forcing or bumping the wheel, which may cause the tool to slow down or stall.

NEVER remove or alter any guard; ALWAYS use the appropriate guard.

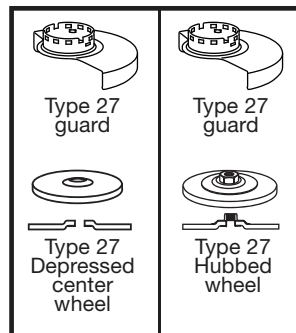
AVOID using the wheel in the presence of flammable or combustible materials.

DO NOT use the wheel around unprotected bystanders; ensure proper personal protective equipment (PPE) is worn.

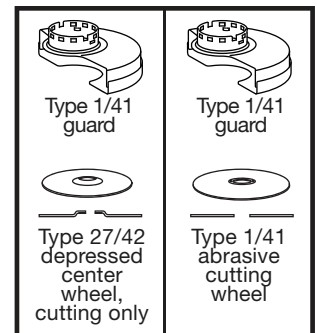
ONLY use the wheel for its designated application as per ANSI B7.1 and the wheel manufacturer's recommendations.

WHEEL/GUARD GUIDE

Grinding Wheels



Cutting Wheels



IMPORTANCE OF PROPER GRINDER MAINTENANCE

The primary reason for wheel breakage is often linked to incorrect speeds, abusive usage, or careless handling of the grinder. Ensuring proper and routine maintenance, servicing, and inspection procedures is crucial for preventing wheel breakages. It is the user's responsibility to conduct regular inspections and maintenance procedures. Users should inspect all portable grinders, chop saws, and cut-off saws (whether corded, cordless, or gas-powered) at regular intervals to ensure that the mounting flanges are in proper condition, correct size, and shape, that the speed control device is operating as intended, and that no damage has occurred to the tool or wheel due to abusive usage or mishandling. Comply with safety requirements in ANSI B7.1, ANSI B7.5 and OSHA REGS 29CFR 1910.215 and 1926.303.

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1203 E. Warrenville Rd., Naperville, IL 60563
www.flexpowertools.com
www.registermyflex.com
1-833-FLEX-496 (1-833-353-9496)

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