



Wheels and Scotch-Brite™ Wheels


(Wheels, Unitized Wheels and Rim Wheels)

NOTE: These instructions do not cover 3M (7G & 8G) Glass Polishing, DLG and XR Wheels

Safety Information

- **Deliver this insert with wheel to operator**
- **Read this entire insert before mounting wheel on machine**
- **Post this insert in the work area**

Read the Safety Data Sheets (SDS) before using any materials.




Contact the suppliers of the workpiece materials and abrasive materials for copies of the SDS if one is not readily available.

⚠ WARNING!

Exposure to **DUST** generated from workpiece and/or abrasive materials can result in lung damage and/or other physical injury. Use dust capture or local exhaust as stated in the SDS. Wear government-approved respiratory protection and eye and skin protection. **Failure to follow this warning can result in serious lung damage and/or physical injury.**

⚠ WARNING!

- Wheel can break apart during use and cause injury if damaged or run too fast.
- Always wear protection for eyes*, face*, hands and body.




Improper use can cause wheel to break apart and may cause injury. Take precautions indicated below.

⚠ WARNING!

- Exceeding Max. RPM can cause wheel to break apart and may cause injury.
- Check the Max. RPM of the wheel against the machine speed.
- Never exceed the Max. RPM on the wheel label.
- Excessive operating speed or generation of extreme heat may result in harmful emissions. Use local ventilation.


Check Maximum Operating Speed



⚠ CAUTION

- Abusive operation can cause wheel to break apart and may cause injury.
- Make sure no one is standing in front or back of the wheel when starting machine.
- Contact with a rotating product can cause injury. Avoid contact with product in operation. Always wear approved and appropriate personal protective equipment.
- If arrow is present on wheel, ensure that wheel rotates in direction of arrow.
- Do not press hard on the side of the wheel – unless the wheel has a backup plate specifically designed for side-wheel grinding.
- Product is intended for use only with proper equipment in good working order.
- Product should only be used by trained operators or under direct supervision of experienced personnel.

Wheel Can Break Apart



⚠ WARNING!

- Sparks and particles flying off the wheel can injure or cause fire.
- Remove flammable or explosive material from work area.
- Do not use in dusty, flammable or explosive environments.
- Do not use on flammable or explosive material.
- Direct sparks away from face and body.
- Consult your plant safety engineer for safe work set-up.



⚠ WARNING!

- Ensure product is mounted properly. Mount product per equipment manufacturer's recommendations.
- Inspect product, replace if damaged. Do not use a wheel that has gouges or layer separation.
- Inspect flanges and mounting hardware prior to use, replace if damaged.
- If product requires flanges or adapters for use, use only proper sized flanges or adapters for the wheel center hole and shaft size.
- Use only mandrel with center hole dimension matched to the wheel center hole dimension.
- Use only the same sized mandrel thread OD to wheel ID.
- Do not jam the work piece into the wheel.
- Do not jam wheel into work piece or tight places.
- Do not alter the product in any way. Dressing wheel is normal operation. Do not enlarge or change the shape of the center hole.


⚠ CAUTION

- A cracked, vibrating, or wobbling wheel can break apart and may cause injury.
- Ensure wheel is properly dressed before use. Do not use wheel if out of round.
- Stop the wheel if vibrating or wobbling occurs during use. Determine cause and correct before continuing.

Damage or wobbling can be caused by:


- Forcing a wheel onto a spindle that is too large.
- Over-tightening the mounting nut.
- Using flanges with wheels or rim wheels that are smaller than 1/3 wheel diameter, unequal in diameter or warped.

Inspect for Damage



- Incorrect storage can soften wheel and cause it to break apart during use and may cause injury.
- Wheel can soften in storage by exposure to water, high humidity, or hot temperature.
- Store wheel at temperatures below 150°F (65°C) for at least 24 hours before using.

Store in Dry, Cool Place



* For eye and face protection, see ANSI Standard Z87.1. For further information consult ANSI Standard B7.1, "Use, Care and Protection of Abrasive Wheels."