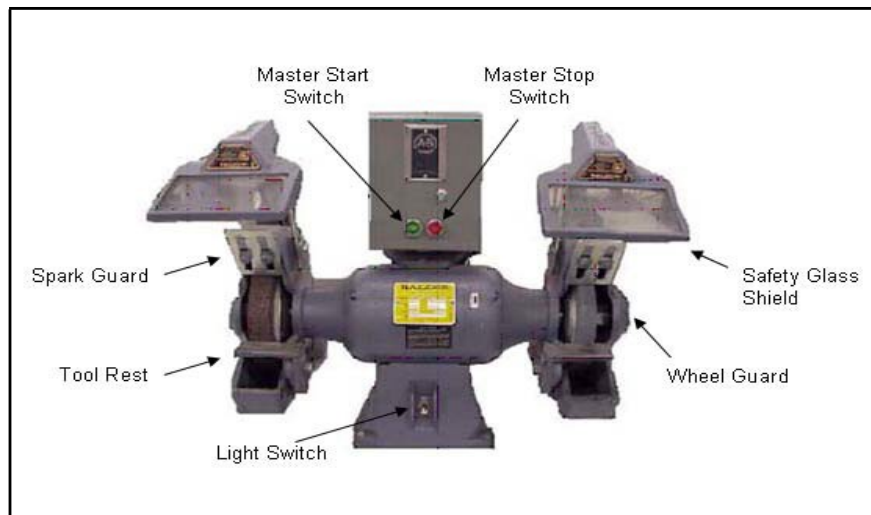


Safety Spotlight

Practical Tips to Keep You Safe

Grinders



Bench and Pedestal Grinder Safety Tips

1. Stand to the side of the grinder when starting the electric motor.
2. Use the correct wheel for the material you are grinding, polishing, or buffing.
3. Adjust the tool rest as close as possible to the grinding wheel without touching it. It must have a gap of between 1/16 and 1/8 inches.
4. Always wear full face protection, hearing protection, and leather gloves when grinding.
5. Never grind on the side of the wheel. This can cause the wheel to shatter.
6. Avoid overheating metal when grinding. If the metal becomes too hot and is allowed to cool too slowly, it may become soft. If it is cooled too quickly (quenched), it may become brittle.
7. Dip the metal into the water pot attached to the bottom of the grinder as you shape it to keep it from getting too hot.
8. If your grinder does not have a water pot, place a container of water near the grinder to cool the piece you are grinding.

Grinder Requirements and Safeguards

- All grinders must be mounted to floors or benches.
- The tool rest must be adjusted within 1/8 inch of the grinding wheel.
- Side guards must cover the spindle, nut and flange, and at least 75% of the wheel. Safety glass shields must be clear to allow the user to see the wheel.

