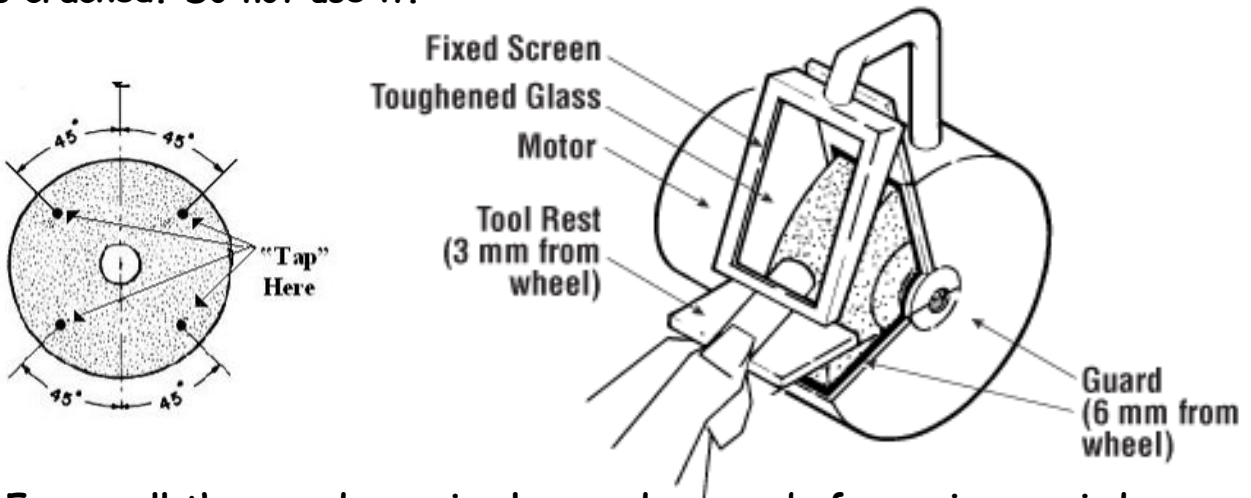


Bench grinder safety

Performing the ring test

- Make sure the wheel is dry and free of sawdust or other material that could deaden the sound of the ring.
- You will need a hard plastic or hard wood object, such as the handle of a screwdriver or other tool, to conduct the test. Do not use metal objects.
- Suspend the wheel on a pin or a shaft that fits through the hole so that it will be easy to turn, but do not mount the wheel on the grinder.
- Imagine a vertical plumb line up the center of the wheel.
- Tap the wheel about 45 degrees on each side of the vertical line, about one or two inches from the wheel's edge. Turn the wheel 180 degrees so that the bottom of the wheel is now on top.
- Tap the wheel about 45 degrees on each side of the vertical line again.
- The wheel passes the test if it gives a clear metallic tone when tapped at all four points. If the wheel sounds dead at any of the four points, it is cracked. Do not use it.



- Ensure all the guards are in place and secure before using a grinder
- Adjust tool rests to within 3 mm (1/8 in.) of wheels / Never adjust rests while wheels are moving / Work rest height should be on horizontal centre line of the machine spindle
- Maintain 6 mm (1/4 in.) wheel exposure with a tongue guard or a movable guard
- Tighten the nuts before you turn the grinder on. Do not use excessive force to tighten the nut of the wheel. The force can crack the wheel.
- Before you plug in the grinder, manually spin the wheel to make sure it is spinning freely

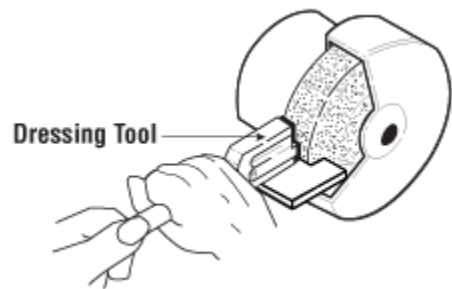


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Bench grinder safety

- Wear proper personal protective equipment: eye, ear and face protection, respiratory protection may be required, depending on the work / wear gloves only where necessary and if there is no risk of entanglement.
- Stand to one side of the grinder until the wheel reaches operating speed.



- Bring work into contact with the grinding wheel slowly and smoothly, without bumping
- Move the work back and forth across the face of the wheel. This movement prevents grooves from forming
- Dress wheels regularly / Replace worn wheels if you cannot dress it.
- Dress wheels regularly. Do frequent, light dressings rather than one heavy dressing.
- Ensure the grinder speed does not exceed the marked operating speed.
- Do not use a wheel that has been dropped
- Do not use a wheel that does not fit properly to the spindle
- Do not grind wood, plastics and non-iron metals on ordinary wheels
- Do not leave grinding wheels standing in liquids. The liquid can cause balance problems
- Do not grind on the side of a regular wheel



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