



Bench Grinder

BEST PRACTICES

Uses of Bench Grinder

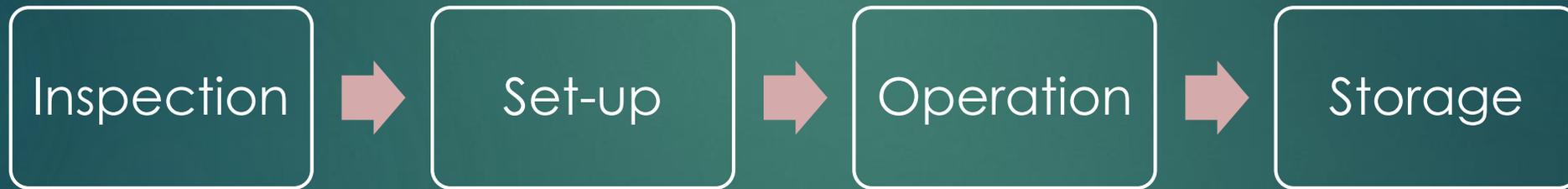
- ▶ Sharpening / Maintaining metal tools
- ▶ Specifically air hammer bits



Grinding Wheel

On/Off Switch

Best Practice - Tooling



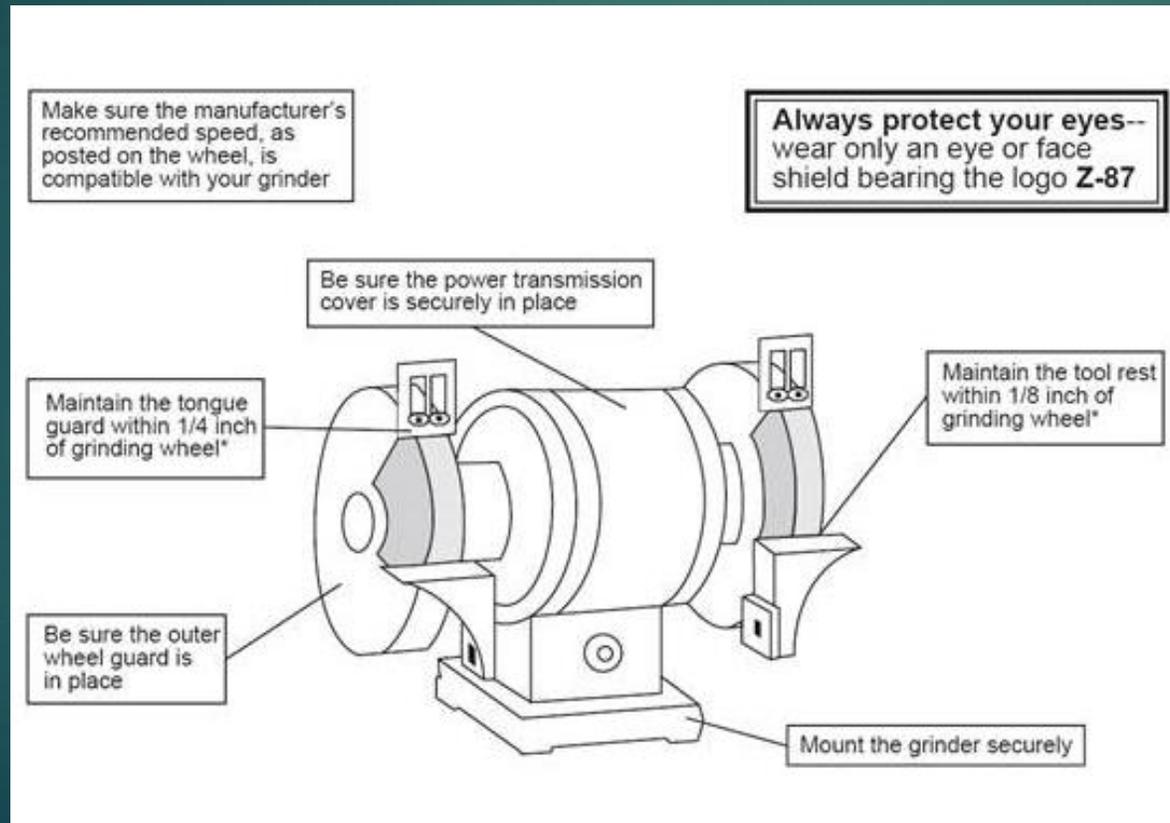
Inspect Before Use-1

- ▶ Check that guards and shields are in place and in working order
- ▶ Inspect accessories for cracks or flaws
- ▶ Check that adjusting keys and wrenches are removed
- ▶ Make sure work area is clean
- ▶ Check tool rest and tongue guard adjustment



Inspect Before Use-2

- ▶ Check tool rest and tongue guard adjustment



Safety

- ▶ Gloves
- ▶ Eye Protection
- ▶ No Baggy clothing
- ▶ Make sure nobody is behind grinder wheel
- ▶ Never use even slightly cracked or damaged wheels

Results of Cracked Wheel



Set-Up

- ▶ Unplug grinder before adjusting
- ▶ Attach coarsest wheel that works for your job
- ▶ Adjust wheel and work rest to 1/8" or less separation
- ▶ Plug cord into outlet and turn grinder on

Operation

- ▶ Keep tight control over work piece
- ▶ Apply to spinning wheel at about a 30 degree angle
- ▶ Continuously move the piece to prevent over heating
- ▶ Slowly remove when finished or ready to check it
- ▶ Have quenching oil ready to cool parts if necessary
- ▶ Turn OFF
- ▶ Keep hands clear until wheels stop
- ▶ Unplug from power

Watch Out For...

- ▶ Cracked or flawed grinding wheels
- ▶ Don't overtighten hex nut (may crack wheel)
- ▶ Avoid breathing in large amounts of dust
- ▶ Don't use grinder with skin exposed
- ▶ Never adjust or change wheel while plugged in

Instructional Video

- ▶ Bench Grinder Video



<https://www.youtube.com/watch?v=GB-Pa73Snp4>

Tool Storage

- ▶ Unplug from power
- ▶ Clean cavity around grinding wheel
- ▶ Wipe off exterior with clean dry rag
- ▶ Store in a clean dry area

Training

Training Quiz



- ▶ <https://www.flexiquiz.com/SC/N/0cfda6f6-b6af-4fd4-b099-a01ae7e80bd8>