



Air/Electric Grinders

BEST PRACTICES

Handheld Grinders Uses

- ▶ Primarily used for grinding metals
 - ▶ Cross members
 - ▶ Rails
 - ▶ Bumpers
 - ▶ Sub frames



Electric Grinder

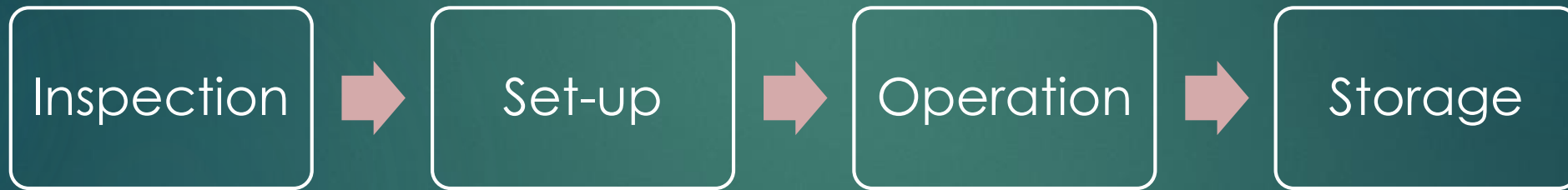


Air Grinder



Die Grinder

Best Practice - Tooling



Inspect Before Use

- ▶ Workplace must be clean, ventilated, and illuminated
- ▶ Use clean dry air at 90 psig
- ▶ Check hoses or cords for any damage, frays, or deterioration
- ▶ Fittings must be tight before applying air pressure

**ONLY USE
ATTACHMENTS
PROVIDED BY NCU!!!**

Safety

- ▶ Gloves
- ▶ Long sleeves
- ▶ Mask
- ▶ Check for bystanders
- ▶ Use approved accessories only

Protective Gloves



Mask



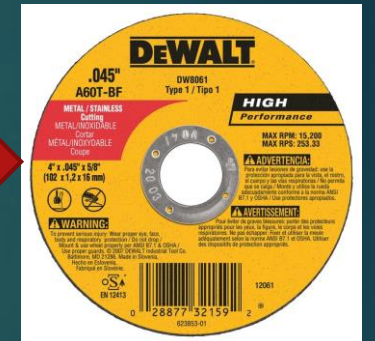
Set-Up

- ▶ Tighten the grinding wheel, cutting wheel, or wire
- ▶ Clamp down material if possible
- ▶ Make sure power switch is off
- ▶ Plug in electric grinder to outlet or turn air pressure on

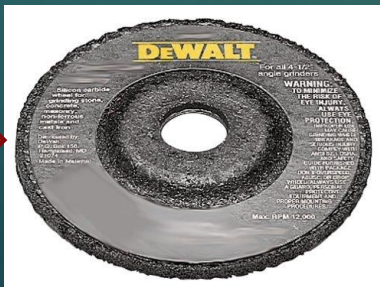
Wire Wheel



Cutting Wheel



Grinding Wheel



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Operation

- ▶ Keep cord or hose clear of spinning accessory
- ▶ Turn grinder on
- ▶ Move grinder across work piece in direction of the handle
- ▶ Slowly remove grinder from the material
- ▶ Turn power switch off
- ▶ Wait for blade to stop spinning
- ▶ Set down tool
- ▶ Unplug or shut off air

Watch Out For...

- ▶ Flammable Liquids
- ▶ Bad hose connections
- ▶ Frayed cords
- ▶ Other people in shop without PPE
- ▶ Chips/Cracks in wheels
- ▶ Loose or cracked wires
- ▶ Cord getting too close to wheel
- ▶ Don't direct dust in direction of anyone else
- ▶ Wheels will be hot after using

Instructional Video

- ▶ Video



- ▶ <https://www.youtube.com/watch?v=X8i7Ga1UqEE>

Tool Storage

- ▶ Be sure tool is unplugged
- ▶ Wait for disc to cool off
- ▶ Clean any dust or metal shavings off with clean cloth
- ▶ Wrap cord or hoses up so can't be tripped over
- ▶ Put grinder and blades away in clean dry area

Training

Training Quiz



- ▶ <https://www.flexiquiz.com/SC/N/b28b7c05-8015-4f9c-9600-61b5e71182b0>