

ELECTRIC ANGLE GRINDER PRACTICE

A. SAFETY

1. When operating the grinder always wear a full face shield which provides you with clear visibility, and gloves.
2. Never grind in an area which contains flammable material.
3. Direct sparks away from yourself and others.
4. Handle the grinder with care to prevent damage and reduce the possible risk of injury.

B. INSPECTION

1. Visually inspect the grinder before using for:
 - a.) damage to the cord or plug (no bare wires, cuts or broken prongs).
 - b.) cracks in the tool body.
 - c.) the safety guard is in place and secure.
 - d.) the handle is secure.
2. Visually inspect the abrasive disk before grinding to ensure that:
 - a.) the disk has no cracks, chips, broken out pieces, or frayed edges.
 - b.) it is rated at or higher than the RPM rating of the angle grinder.
 - c.) it is securely tightened to the grinder.
 - d.) it is not worn down to the point where the mounting flange assembly may contact the work piece.
 - e.) the disk is correct for the job:

Cutting Disk: (Approx. 1/8" thick) used for cutting applications only.

Grinding Disk: (Approx. 1/4" thick) used for grinding applications only.

C. OPERATION

1. Always start the grinder before applying it to the surface you are about to grind.
2. Do not approach the work piece with the grinder too quickly as a hard impact may cause the disk or wheel to crack or break.
3. Clamp smaller pieces to be ground in a vise.
4. The grinding disk must come to a complete stop before leaving the grinder to inspect your work.

5. When changing a disk or wheel, always:
 - a.) unplug the grinder from the power source. (**NEVER PULL ON THE CORD**)
 - b.) use the proper tools for the job.
 - c.) ensure the disk or wheel is tight, do not over tighten.
6. Report any unusual vibrations, noise, or odors to your supervisor immediately.