



MK EQUIPMENT CORPORATION

INSTRUCTION MANUAL

DISC GRINDER/SANDER

SAFETY RULES AND INSTRUCTIONS

GRINDERS: DISC GRINDER OR SANDER

FOLLOW THESE SAFETY PROCEDURES FOR ABRASIVE DISC GRINDING:

Abrasive disc grinding can be hazardous to operators and by-standers. If an abrasive disc or back-up pad shatters in operation, there can be serious injury to eyes, face, or other parts of the body not protected by adequate equipment. Grinding sparks and dust particles can also cause serious injury.

PERSONAL PROTECTIVE EQUIPMENT:

1. **Always** wear impact resistant protective glasses and full face shield when involved in or near grinding operations.
2. **Always** wear safety shoes, arm guards, leather gloves and aprons.

EQUIPMENT PRECAUTIONS:

1. **Never** grind without a proper back-up pad.
2. **Never** use another grinding disc as a back-up pad.
3. **Never** use a disc larger than the diameter specified by the grinder manufacturer.
4. **Never** use a back-up pad without first inspecting it for signs of irregularities such as fractures, excessive wear, nicks, cuts at the edges or in the center hole. Check the pad for concentricity. Use only the pad with marked maximum RPM and **Never** exceed that maximum RPM.
5. If the grinder is equipped with a safety guard, use it. Check the spindle for wobble. Observe all safety recommendations supplied by the manufacturer of your grinder.
6. Check the disc retainer nut for thread wear. Also, check for a snug fit and full three-thread contact except when using quick change or non-wrench systems.

GRINDING DISCS AND METHODS

1. **Never** use discs with nicks, cuts, tears at the edge or in the center hole.
2. **Never** use discs with abnormally curled shape; abnormally curled discs indicate improper storage. Store discs prior to use at 35 - 50% relative humidity and 60-80 degrees F.
3. **Never** use a disc that overhangs the back-up pad by more than 1/4".

Some discs are manufactured with an irregular periphery. The overhang should not exceed 1/4" at the smallest radius.

4. **Always** ease the disc onto the work. Start grinder just off the work piece and begin grinding immediately. Operate the grinder with the disc and pad inclined approximately 5-10 degrees from the work surface. Grind depressions, moldings, lips and heavy welds with the grinder moving away from the work area and not into it. Do not store or rest the grinder on the disc and pad.
5. Direct grinding sparks downward and away from the face and body. Do not grind near flammable material.
6. Always grind in well-ventilated areas and avoid inhalation of dust particles.