PEDESTAL GRINDER SAFETY GUIDELINES

The potential for serious injury is always present when using Pedestal Grinders. Some hazards to be aware of are:

a). Exploding wheels
b). Flying sparks and particles
c). Hand and eye injuries

1). Wear eye protection and safety shoes at all times.

2). Do not wear neckties, wristwatches, rings jewelry, etc. when operating the machine. Long sleeve shirts will be rolled above the elbows.

3). The area around the machine should be free of oil or coolant spills (avoid a slippery floor) and as free as possible from obstructions. Keep the area clean at all times.

4). **Do not use compressed air to clean the machine.**

5). Be mentally alert on the job, always sober, and never dulled by the influence of drugs, prescribed or otherwise.

6). Only qualified personnel should perform maintenance repair work.

7). Report any unsafe conditions to your supervisor.

8). Keep machinery clean.

9). Clean machine and area after each use.

10). **Before starting inspect wheels for signs of damage.**

11). **Check for proper adjustment of tool rest and guards.**
a). Guards must be kept at proper clearance (adjustment) to prevent personal injury.
b). Always use properly installed and adjusted wheel guards.

12). Stand clear of the wheel when starting motor.

13). When changing or replacing wheels turn off main power and use current lock out policy.

14). Only use wheels, of proper RPM safety rating and size.

15). Always ring test and visually inspect wheels before mounting.

16). Never mount a grinding wheel without using the correct wheel blotters, they are to be 1/16 larger than the flange.
   a). Both the fixed and loose flange should be the same diameter and properly relieved.
   b). A flat washer, a steel ring or any other type of filler material must not be used in place of a properly relieved flange, as the bending stress placed on the wheel may cause it to fracture.
   c). Spindles and thread directions shall be such that any mounting or attaching device shall tend to tighten during grinding.

17). Replace all shields and guards.
   a). Adjust tool rest on support to desired position and tighten nut securely. Adjust tool rest support on guard to obtain approximately 1/16" clearance between tool rest and wheel and tighten nut securely. As grinding wheel wears periodically readjust spark arrestor and tool rest to 1/16" clearance.
   b). Adjust eye shields aligning center of eye shield in line of sight to tool rest.
   c). Spark arrestor should be adjusted to 1/16" clearance of wheel.
   d). All wheels 2" inches and larger must be guarded.

18). Use an appropriate holding device when necessary.

19). Use appropriate PPE for the job (face shield is required on snag grinder).

20). **Do not grind soft materials (Alum., Copper, Rubber, etc.).**

21). Do not force tool or piece part into wheel. Serious injury to hands could result from part slipping off of wheel.

22). Do not wear loose clothing or jewelry (rings, watches, etc.).

23). Report any safety discrepancies to the shop supervisor.

Do's and Don'ts

DO get thoroughly familiar with the STOP button.

DO keep your hands away from the revolving grinding wheel.

DON'T under any circumstances attempt to operate any machine unless you are thoroughly familiar with it.

DON'T attempt to clean the machine with your bare hands or fingers. Use a brush or other suitable implement.

DON'T try to adjust tool rest when grinder is running.

DON'T go away, even for a moment, and leave the machine running.

DON'T try to operate the machine and engage fellow workers in conversation at the same time. Keep your mind on your work and let the other fellow do the same.