

Abrasive Grinding Policy

The purpose of the Abrasive Grinding Policy is to protect employees from hazards involved in using abrasive grinding wheels and equipment and to ensure compliance with the New Hampshire Department of Labor Standard 1403.03 Abrasive Grinding.

This procedure applies only to fixed location bench and floor standing abrasive grinding machinery. Wheels used while within the material being ground and mounted wheels used in portable operations (two inches in diameter and smaller) are exempt from requirements of this policy.

A. Employer Responsibilities

It is the employer's responsibility to ensure that grinding machines are properly installed. The employer must also ensure that grinding machines are equipped with safety guards consistent with this policy.

B. Employee Responsibilities

Employees must only use abrasive grinding machinery if all safety guards are in place; these include:

- Guards that cover spindle end, nut, and flange projections
- Guards that protect the employee's face from flying particles ejected from work materials
- Work rest, which must be adjusted within 1/8 inch from the grinding wheel and firmly attached.
- Wear eye protection any time an abrasive grinding wheel is in use.

C. Procedural Overview

In order to set up the Abrasive grinding workstation, firmly attach all bench and floor standing abrasive grinding equipment to the surface, which they sit to prevent movement. Ring test all abrasive grinding wheels by tapping the wheel surface with a metal object. If the wheel makes a ringing sound it is acceptable for use. If it fails to ring, it is damaged and shall be disposed of. Attach abrasive grinding wheel to machinery in accordance with the manufacture's recommendation.

Adjust guards to protect spindle end, nut, and flange projections. Adjust guards so that 65 degrees or less from the horizontal plane of the wheel spindle is exposed. Adjust guards so that the distance between the wheel periphery and adjustable tongue or end of the peripheral member at the top shall never exceed ¼ inch. Attach rigid work rest within a maximum clearance of 1/8 inch from the grinding wheel.

During abrasive grinding machinery use, the operator must always wear eye protection and check the security of all guards and the work rest to make sure that its maximum clearance is 1/8 inch from grinding wheel. The machine is now ready to complete the task.

Abrasive grinding machinery maintenance will include, but is not limit to, ring testing the grinding wheels and checking maintenance guards before each use. The operator will perform these maintenance operations.

D. Personal Protective Equipment

Personal protective equipment typically required for this operation includes safety glasses/goggles and a face shield

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