



Ohio Administrative Code Rule 4123:1-5-05 Auxiliary equipment.

Effective: June 30, 2023

(A) Reserved.

(B) Reserved.

(C) Power-driven conveyors - chain, bucket, belt, hook and screw.

(1) Horizontal, overhead, vertical and inclined conveyors.

(a) Overhead protection.

Where overhead conveyors carry material with a clearance of seven feet or more above the floor level, and cross designed walkways or roads, or pass over areas where employees are normally at work, a substantial barrier will be installed to catch falling material.

(b) Screw conveyors.

In addition to the specifications of paragraph (C)(1)(a) of this rule, the auger of screw conveyors will be operated with covers secured in place. Covers will be solid or of wire mesh, in accordance with rule 4123:1-5-99 of the Administrative Code, and covers designed for regular removal will be interlocked so that removal will disconnect power source.

(2) Conveyors exposed to contact.

All conveyors, where exposed to contact, will be equipped with means to disengage them from their power supply at such points of contact.

(3) Safe means of passage.



Where employees cross conveyors, a fixed platform equipped with standard guard railing and toeboards will be provided.

(4) Pinch (nip) points.

Pinch points created by travel of conveyor belts over or around end, drive and snubber, or take-up pulleys of chain conveyors running over sprocket wheels will be guarded or a means will be provided at the pinch point to disengage the belt or chain from the source of power.

(D) Machinery control.

(1) Disengaging from power supply.

Means will be provided at each machine, within easy reach of the operator, for disengaging it from its power supply. This does not apply to rolling departments of iron and steel mills nor to electrical power generation or conversion equipment.

(2) When machines are shut down.

The employer will furnish and the employees will use a device to lock the controls in the "off" position or the employer will furnish and the employees will use warning tags when machines are shut down for repair, adjusting, or cleaning.

(3) Mechanical belt shifters.

Tight and loose pulleys will be equipped with mechanical belt shifters.

(a) Cone pulley drive belts.

Cone pulley drive belts will be equipped with a mechanical belt shifter permanently attached.

(b) Where any part of the lower cone pulley is seven feet or less above the floor, the belt and pulley will be guarded.



(4) Treadles or extensions.

Treadles or extensions for starting machinery will be so located or guarded as to minimize accidental tripping.

(E) Anchoring and mounting of machinery.

(1) Stationary machinery.

All stationary machinery will be positioned or installed on floors or foundations so to prevent walking, moving, or tipping.

(2) Portable machinery.

Portable machinery mounted upon trucks or bases will be securely fastened thereto, and such truck or base will be so locked or blocked as to prevent movement or shift while such machine is in operation.

(F) Counterweights.

Counterweights exposed to contact will be guarded, or secured with safety chain or wire rope so the counterweight will not descend to a level less than eight feet above the floor or working level, where employees perform their assigned duties or where employees pass through in the performance of their assigned duties.

(G) Grounding of electric-powered equipment.

(1) Application.

This paragraph applies only to grounding of non-current carrying parts.

(2) Permanent equipment.



All permanently installed equipment and machinery connected to electric circuits in excess of eighty volts will be permanently grounded.

(3) Portable electric tools.

Portable electric tools and equipment will be provided with a means of grounding or will be protected by a system of double insulation. Where such approved system is employed, the equipment will be distinctively marked.

(H) Feed rolls.

Power-driven feed rolls, when exposed to contact, will be guarded so as to prevent the hands of the operator from coming into contact with in-running rolls at any point.

(I) Fan blades.

Guarding - when the periphery of the blades of a fan is less than seven feet above the floor or working level, the blades will be guarded. The guard will have openings no larger than one-half inch.

(J) Steam pipes (pressure pipes).

All steam pipes will be covered where exposed to contact. Pipe supports or other effective means will be provided to prevent failure from vibration, expansion, or contraction.