Abrasive wheel grinders

This checklist applies to general industry and construction workplaces

☐ Are floor and bench mounted grinders equipped with a work rest that is adjusted to within $\frac{1}{8}$ inch of the wheel?

☐ Is the adjustable tongue guard on the top side of the grinder used and kept adjusted to within $\frac{1}{4}$ inch of the wheel?

☐ Is the grinder equipped with flanges?

☐ Do side guards cover the spindle, nut, flange projections, and 75 percent of the wheel diameter?

☐ Does the angular exposure of the grinding wheel periphery and sides for safety guards on your grinders meet the following?
  ☐ Bench and floor stand grinders – not to exceed 90° or $\frac{1}{4}$ of the periphery
  ☐ Cylindrical grinders – not to exceed 180°
  ☐ Surface grinders and cutoff machines—not to exceed 150°
  ☐ Swing frame grinders – not to exceed 180° with the top half of the wheel enclosed
  ☐ Automatic snagging machines – not to exceed 180°
  ☐ Top grinding grinders – not to exceed 60° when work is applied to the wheel above the horizontal centerline.

☐ Are right angle grinders equipped with guards when they are not being used for internal grinding where the material being worked on provides adequate protection?

☐ Are bench and pedestal grinders permanently secured if they are not going to be moved?

☐ Do employees wear ANSI-approved goggles or face shields when grinding?

☐ Is the maximum RPM rating of each abrasive wheel compatible with the RPM rating of the grinder motor?

☐ Does each grinder have an individual on/off switch?

☐ Is each electrically operated grinder effectively grounded?

☐ Before new abrasive wheels are mounted, are they visually inspected and ring tested?

☐ Are dust collectors and powered exhausts provided on grinders used in operations that produce large amounts of dust?

☐ To prevent coolant from splashing workers, are splash guards mounted on grinders that use coolant?

☐ Is cleanliness maintained around grinders?

Key rules:
  • Division 2, Subdivision O, 1910.215, Abrasive wheel machinery
  • Division 3, Subdivision I, 1926.300, General requirements, and 1926.303, Abrasive wheels and tools