

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*