

**WAC 296-806-40506 Make sure safety guards meet specific requirements.** You must make sure the machine safety guards meet the requirements of Table 405-1, Guard Requirements.

- Note:**
1. The maximum exposure angle is measured by lines starting at the center of the spindle and extending to the ends of the guard at the wheel periphery.
  2. Visors and other accessory equipment are used in determining the size of the guard opening only if they are at least as strong as the safety guard.

**Table 405-1  
Guard Requirements**

<b>Machine</b>	<b>Maximum exposure angle and other guard restrictions</b>
Bench, pedestal, or floorstand grinders	<ul style="list-style-type: none"> <li>• Not higher than 65 degrees above the horizontal centerline of the wheel</li> <li>• 1/4 (90 degrees) of the wheel for grinding done at or above the horizontal centerline of the wheel</li> <li>• 125 degrees if the work has to contact the wheel below the horizontal centerline of the wheel</li> </ul>
Cylindrical grinders	<ul style="list-style-type: none"> <li>• 1/2 (180 degrees) of the wheel</li> <li>• Not higher than 65 degrees above the horizontal centerline of the wheel</li> </ul>
Surface grinders	<ul style="list-style-type: none"> <li>• 150 degrees of the wheel</li> <li>• Not higher than 15 degrees below the horizontal</li> </ul>
Cutting-off machines	<ul style="list-style-type: none"> <li>• 1/2 (180 degrees) of the wheel</li> </ul>
Swing frame grinders	<ul style="list-style-type: none"> <li>• 1/2 (180 degrees) of the wheel</li> <li>• Encloses the top 1/2 of the wheel</li> </ul>
Swing frame grinders using cup wheels	<ul style="list-style-type: none"> <li>• 1/2 (180 degrees) of the wheel</li> <li>• Covers the wheel on the side towards the operator</li> </ul>
Semiautomatic snagging machines	<ul style="list-style-type: none"> <li>• 1/2 (180 degrees) of the wheel</li> <li>• Covers the wheel on the side towards the operator</li> </ul>
Machines used for top grinding	<ul style="list-style-type: none"> <li>• As small as possible up to 1/6 (60 degrees) of the wheel</li> </ul>

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060. WSR 15-24-102, § 296-806-40506, filed 12/1/15, effective 1/5/16; WSR 04-14-028, § 296-806-40506, filed 6/29/04, effective 1/1/05.]