

# Safety Guidelines

## For Various Abrasive Power Tools

Abrasive Type	Mounting Features						Guard Requirements	Diagram
	Abrasive Size	Driving Flange	Blotters	Outer Flange	Additional Safety	Guard Requirements		
<b>Type 41</b> (formerly Type 1 cut-off) <b>Reinforced Straight Wheels</b>	Up to 4" (100 mm) diameter equal to or less than 1/8" (3 mm) thick	Straight relieved flange 1/4 of wheel diameter minimum	Required on both sides of wheel. Loose blotters must be replaced when mounting a new wheel	Straight relieved flange matching diameter to Drive Flange	-	<ul style="list-style-type: none"> <li>• 180° minimum Operator Protection</li> <li>• Lip Feature</li> <li>• Lip Feature must extend past face of wheel</li> <li>• A guard cover is not required</li> </ul>		
<b>Type 16 - 19</b> <b>Cone or Plug Wheels</b>	Ø1" (25 mm) to Ø3" (75 mm)	Straight unrelieved flange 1/3 of wheel diameter minimum	Required between flange and wheel	-	See safety standards for proper Spindle thread length	Not required where the work offers protection and where the size does not exceed Ø3" x 5" (Ø75 x 125 mm)		
<b>Die Grinders</b>	All Mounted Wheels and Burrs	Collet	-	-	Excessive overhang reduces MOS. See safety standard tables	Not Required		
<b>Routers</b>	Router Bits Ø3/8" (9.5 mm) mandrel max.	Collet	-	-	Must use Base Plate to control cut	Not Required		
<b>Rotary Sanders</b>	Round abrasive discs Ø9" (230 mm) max.	Backup pad supports abrasive disc	-	Retaining nut secures abrasive disc	Abrasive disc must not exceed 1/4" (6 mm) overhang	Not Required		

**NOTE:** Intended for general reference use only.

Always refer to ANSI B7.1, B186.1 and EN 792 for detailed requirements.