

Safety Guidelines

For Various Abrasive Power Tools

Mounting Features							Guard Requirements	Diagram
Abrasive Type	Abrasive Size	Driving Flange	Blotters	Outer Flange	Additional Safety	Guard Requirements		
Type 27 Reinforced Depressed Center Wheels, Flap Wheels	Ø3" (75 mm) and Ø4" (100 mm) with 3/8" (10 mm) Center hole	Requires a special support adapter that extends beyond the raised hub and contacts the wheel	Not required	Smaller diameter than the Drive Flange to fit the depressed area of the wheel	-	<ul style="list-style-type: none"> 180° minimum Operator Protection Lip Feature Lip Feature must extend past face of wheel 		
	Alternate flanging for wheels less than or equal to Ø5" (125 mm) with Ø5/8" (16 mm) or Ø7/8" (22 mm) Center hole	A special support adapter may be used or straight unrelieved flange 1/3 of wheel diameter minimum	Not required	1/3 of wheel diameter may be smaller to fit the depressed area of the wheel. Requires centering boss to extend within wheel center hole	-	<ul style="list-style-type: none"> 180° minimum Operator Protection Lip Feature Lip Feature must extend past face of wheel 		
	Greater than Ø5" (125 mm) with 7/8" (22 mm) Center hole	Requires a special support adapter that extends beyond the raised hub and contacts the wheel	Not required	1/3 of wheel diameter may be smaller to fit the depressed area of the wheel. Requires centering boss to extend within wheel center hole	-	<ul style="list-style-type: none"> 180° minimum Operator Protection Lip Feature Lip Feature must extend past face of wheel 		
Type 11 Flaring Cup Wheels	6" (150 mm) maximum	Straight unrelieved flange 1/3 of wheel diameter minimum	Required between flange and wheel	-	Recommend wheel retainer hardware	<ul style="list-style-type: none"> 180° minimum Operator Protection Adjustable skirt (shell) Adjustable skirt to within 1/8" (3 mm) of the wheel face 		
Type 1 Reinforced Straight Wheels	Up to 4" (100 mm) diameter Greater than 1/8" (3 mm) thick	Straight relieved flange 1/3 of wheel diameter minimum	Required on both sides of wheel. Loose blotters must be replaces when mounting a new wheel	Straight relieved flange matching diameter to Driving Flange	Requires retaining Spindle Nut	<ul style="list-style-type: none"> 180° minimum Operator Protection Lip Feature Lip Feature must extend past face of wheel A guard cover is not required 		

NOTE: Intended for general reference use only. Always refer to ANSI B7.1, B186.1 and EN 792 for detailed requirements.