

**Dry Cutting Blades**

**Do's**

- Follow manufacturer's blade recommendation for material being cut. Check for suitability of cutting dry.
- Inspect diamond blade for damage before mounting on saw. Check arbor shaft and flanges for damage or uneven wear.
- Be sure blade is mounted on correct diameter shaft with arrow in the proper direction of rotation and blade shaft nut is securely tightened with wrench.
- Inspect blade periodically during use for fatigue cracks and segment damage.
- Wear proper safety equipment and observe safe operation procedures.

**Don'ts**

- Never operate and saw without safety guards in place.
- Do not exceed maximum operating speed established for blade diameter.
- Do not force blade into material: allow blade to cut at it's own speed.
- Do not cut or grind with side of blade or cut a curve or radius.

**Wet Cutting Blades**

**Do's**

- Match blade specification with material to be cut.
- Inspect blade for damage before mounting on saw: check arbor shaft and flanges for damage and uneven wear.
- Be sure blade is mounted on correct diameter shaft and the blade shaft nut is securely tightened with wrench.
- Check for continuous flow of water to both sides of the blade.
- Follow manufacturer's recommended pulley sizes and operating speeds for specific diameter blades.

**Don'ts**

- Do not operate any machine without blade guard in place.
- Do not cut dry with blades recommended for wet cutting.
- Do not exceed maximum safe operating speed.
- Do not operate saw with blade diameter larger than machine's capacity.

Always follow all the manufacturer's safety recommendations as well as complying with the ANSI B7.1, B7.5, OSHA and Safety Guidelines furnished with each product. Using blades machines in a SAFE manner will assure the long life and cutting quality of your PR Diamond Blades.

**-----Cutting Speeds & Depths**

Diamond Blade Operating Speeds			Maximum Blade Cutting Depths			
Diameter	Recommended R.P.M.s*	Maximum R.P.M.s	Diameter	Cutting Depth	Diameter	Cutting Depth
4"	9,072	15,000	Concrete Blades		Masonry Blades	
5"	7,257	12,000	12"	3-5/8"	14"	5"
6"	6,048	10,185	14"	4-5/8"	18"	7"
7"	5,184	8,730	16"	5-5/8"	20"	8"
8"	4,536	7,640	18"	6-5/8"	Tile Blades	
10"	3,629	6,115	20"	7-5/8"	6"	1-3/4"
12"	3,024	5,095	24"	9-5/8"	7"	2-1/4"
12" High Speed (Dry)		6,300	26"	10-5/8"	8"	2-3/4"
14"	2,592	4,365	30"	11-3/4"	9"	3-1/4"
14" High Speed (Dry)		5,500	36"	14-3/4"	10"	3-3/4"
16"	2,268	3,820	42"	17-3/4"	Power Hand Saw Blades	
18"	2,016	3,395	48"	20-3/4"	4"	1"
20"	1,814	3,055	High Speed Blades		5"	1-1/2"
22"	1,649	2,780	12"	4"	6"	2"
24"	1,512	2,550	14"	5"	7"	2-1/2"
26"	1,396	2,350	Wall Saw Blades		8"	3"
28"	1,296	2,185	18"	6-1/2"	Note: Cutting depths are approximate and will vary with different blades and saws.	
30"	1,210	2,040	24"	9-1/2"		
32"	1,134	1,910	30"	11-1/2"		
36"	1,008	1,700	36"	14-1/2"		
42"	864	1,455	42"	17-3/4"		
48"	756	1,275	48"	20-3/4"		

Based on 9,500 SFPM optimum performance range ± 10%.