



Diamond Blade Operating Speeds

Diameter	Recommended R.P.M.s *	Maximum R.P.M.s
4"	9,072	15,000
5"	7,257	12,000
6"	6,048	10,185
7"	5,184	8,730
8"	4,536	7,640
10"	3,629	6,115
12"	3,024	5,095
12" High Speed (Dry)		6,300
14"	2,592	4,365
14" High Speed (Dry)		5,500
16"	2,268	3,820
18"	2,016	3,395
20"	1,814	3,055
22"	1,649	2,780
24"	1,512	2,550
26"	1,396	2,350
28"	1,296	2,185
30"	1,210	2,040
32"	1,134	1,910
36"	1,008	1,700
42"	864	1,455
48"	756	1,275

- Based on 9,500 SFPM optimum performance range \pm 10%



Maximum Blade Cutting Depths		
Diameter	Cutting depth Inches	Cutting depth mm
Concrete Blades		
12"	3-5/8"	90
14"	4-5/8"	117
16"	5-5/8"	140
18"	6-5/8"	167
20"	7-5/8"	193
24"	9-5/8"	244
26"	10-5/8"	269
30"	11-3/4"	298
36"	14-3/4"	375
42"	17-3/4"	450
48"	20-3/4"	527
High Speed Blades		
12"	4"	101
14"	5"	127
Wall Saw Blades		
18"	6-1/2	165
24"	9-1/2	241
30"	11-1/2	292
36"	14-1/2	368
42"	17-3/4	450
48"	20-3/4	527
Masonry Blades		
14"	5"	127
18"	7"	177
20"	8"	203
Tile Blades		
6"	1-3/4"	44
7"	2-1/4"	57
8"	2-3/4"	70
9"	3-1/4"	82
10"	3-3/4"	95
Power Hand Saw Blades		
4"	1"	25
5"	1-1/2"	38
6"	2"	50
7"	2-1/2"	63
8"	3"	76

Note: Cutting depths are approximate and will vary with different blades and saws.