

CUTTING REFERENCE STONE TO BLADE

Type of equipment used with our diamond blades



Hand Held Grinder



Circular Hand Saw



Handheld High Speed Saw



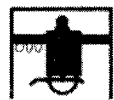
Tile Saw



Brick Saw



Walk Behind Saw



Rail Saw



Floor Grinder



Core Driller

Our factories are ISO Certified 9001 & 9002

Safety:

Always use blades per manufacturers equipment recommendations. Never operate equipment without blade guard.

Do not exceed maximum RPM safe speed.

Use safety equipment: OSHA required safety glasses and hearing protection.

Use blades in compliance with ANSI Code B7.1, B7.5, and OSHA requirement 1910.215.

Maximum Blade Cutting Depths

Concrete Saw Blades

Dia.	Cutting Depth
12"	3-5/8"
14"	4-5/8"
16"	5-5/8"
18"	6-5/8"
20"	7-5/8"
24"	9-5/8"
26"	10-5/8"
30"	11-3/4"
36"	14-3/4"
42"	17-3/4"
48"	19-3/4"

Masonry Blades

Dia.	Cutting Depth
14"	5"
18"	7"
20"	8"

High-Speed Blades

6"	1-3/4"
7"	2-1/4"
8"	2-3/4"
9"	3-1/4"
10"	3-3/4"

High-Speed Blades

12"	4"
14"	5"
16"	7"

Hand Saw Blades

4"	1"
4-1/2"	1-1/4"
5"	1-1/2"
7"	2-1/2"
8"	3"

Wall Saw Blades

18"	6-1/2"
24"	9-1/2"
30"	11-1/2"
36"	14-1/2"
42"	17-3/4"
48"	20-3/4"

Blade Operating Speeds

Diameter	Recommended Operating Speed	Maximum Safe Speed (RPM)
4"	9,050	15,000
4.5"	8,050	13,300
5"	7,250	12,000
6"	6,050	10,150
7"	5,180	8,730
8"	4,536	7,640
9"	4,030	6,790
10"	3,625	6,115
12"	3,020	5,095
12" HS (High Speed)		6,300
14"	2,590	4,365
14" HS (High Speed)		5,400
16"	2,265	3,280
16" HS (High Speed)		4,800
18"	2,016	3,395
20"	1,810	3,055
24"	1,510	2,550
26"	1,395	2,350
28"	1,295	2,185
30"	1,210	2,040
32"	1,135	1,910
36"	1,010	1,700
42"	864	1,455
48"	756	1,275

General guideline: surface cutting recommendation to bond.

Do not use as an absolute.

Select from cutting application, locate bond then refer to index next page. Choose blade from bond column to match bond from the list below.

Bond Code:

1.	=	Super Soft
2.	=	Soft
3.	=	Medium
4.	=	Hard
W	=	Wood
S	=	Specialty Blades

CUTTING APPLICATION

BOND TO USE

Asphalt	4
Block, Heavy Wt. (36#)	3
Block, Light Wt. (23#)	4
Bluestone	2
Brick	3
Cast Iron Pipe	1
Chattahoochee	1 & 2
Clay Pavers	3
Concrete, Cured	2
Concrete, Green	4
Concrete Pavers	3
Concrete Pipe	3
Corian®	S
Cultured Marble	S
Ductile Iron	1
Fiberglass	S
Fieldstone	2
Flagstone	2
Flint	4
General Purpose	3
Glass	S
Granite	2
Hard Stone	3
Limestone	2
Marble	2
Masonry	2 & 3
PVC	SH Turbo
Quarry Stone (soft)	2 & 3
Rebar	1 & 2
Reinforced Concrete	2
River Rock	1 & 2
Roots	3
Sandstone	2 & 3
Slate	2 & 3
Stone, Natural	2
Tarmac	3
Terra Cotta	3 & 4
Tile, Ceramic	2
Tile, Roof	3 & 4
VCP	SH Turbo
Wood	W