

DIAMOND DRILLS

**"YOUR LAPIDARY
GENERAL STORE"**



Order Toll Free: (888) 612-3444

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DIAMOND DRILL BITS

SINTERED CORE DRILLS – constructed similar to sintered rim saw blades, they have exposed diamond in a metal matrix around the rim. This means that they last much longer than their electroplated counter parts. These core drills are recommended for long life industrial use on marble, granite, jaspers and agate.

These metal bonded hi-strength **CORE DRILLS** are designed for fast cutting and long life. The rigid steel shanks are plated and rust free. 60 mesh diamonds used. Drill bits are measured by outside diameter. These are **AMERICAN** made bits.

CORE DRILL BITS (Sintered)

OUTER DIAMETER	INNER DIAMETER	SINGLE BITS	
		MLS PART No.	Price
0.50 Inch	0.37 Inch	560010	\$32.10
0.75 Inch	0.62 Inch	560020	\$38.50
1.00 Inch	0.86 Inch	560030	\$57.80
1.25 Inch	1.10 Inch	560040	\$64.20
1.50 Inch	1.35 Inch	560050	\$89.90
2.00 Inch	1.80 Inch	560060	\$109.15

CORE DRILL BITS (Plated Diamond)

CORE DIAMETER	SHANK DIAMETER	SINGLE BITS	
		MLS PART No.	Price
1/4 Inch	5/32 Inch	550010	\$34.50
5/16 Inch	5/32 Inch	550020	\$35.65
3/8 Inch	1/4 Inch	550030	\$37.95
7/16 Inch	1/4 Inch	550040	\$40.25
1/2 Inch	1/4 Inch	550050	\$43.70
9/16 Inch	1/4 Inch	550060	\$46.00
5/8 Inch	3/8 Inch	550070	\$48.30
3/4 Inch	3/8 Inch	550090	\$55.20
7/8 Inch	3/8 Inch	550110*	\$63.25
1 Inch	3/8 Inch	550120	\$69.00
1 1/16 Inch	3/8 Inch	550130*	\$74.75

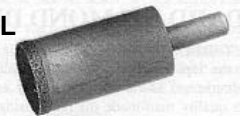
ABOUT DRILLING SMALL HOLES IN "HARD" ROCKS

One of the most difficult lapidary skills I know of is drilling holes in rocks. The best method uses something called an "ULTRA-SONIC DRILL". These machines work great, however they cost about \$2,000.00!!! The next best bet is using a rotary drill press with a diamond plated or sintered drill bit.

CRINKLE RIM BONDED DIAMOND CORE DRILLS can be used on both stone or glass. Used frequently for drilling holes for clock faces and wine bottles for lamps. The crinkled edge quickly removes debris for more diamond cutting surface contact. Use on a drill press, ideally with a water swivel adapter.

CORE DRILL BITS (Crinkled Rim Bonded Diamonds)

CORE DRILL



OUTSIDE DIAMETER (mm)	OUTSIDE DIAMETER (Inches)	MLS PART No.	Price
4 mm	5/32 Inch	540010	\$4.30
5 mm	13/64 Inch	540020	\$4.80
6 mm	15/64 Inch	540030	\$6.40
7 mm	1/4 Inch	540040	\$7.50
8 mm	5/16 Inch	540050	\$8.55
9 mm	23/64 Inch	540060	\$9.65
10 mm	25/64 Inch	540070	\$10.70
11 mm	7/16 Inch	540080	\$11.25
12 mm	15/32 Inch	540090	\$11.80
13 mm	1/2 Inch	540100	\$12.30
14 mm	9/16 Inch	540110	\$12.85
15 mm	19/32 Inch	540120	\$13.90
16 mm	41/64 Inch	540130	\$15.00
17 mm	43/64 Inch	540140	\$16.05
18 mm	23/32 Inch	540150	\$17.10
19 mm	3/4 Inch	540160	\$18.20

OUTSIDE DIAMETER (mm)	OUTSIDE DIAMETER (Inches)	MLS PART No.	Price
20 mm	51/64 Inch	540170	\$19.58
21 mm	53/64 Inch	540180	\$19.80
22 mm	7/8 Inch	540190	\$20.35
23 mm	29/32 Inch	540200	\$20.85
24 mm	61/64 Inch	540210	\$20.85
25 mm	1 Inch	540220	\$21.40
26 mm	1 1/32 Inch	540230	\$21.95
27 mm	1 3/32 Inch	540240	\$22.50
28 mm	1 1/8 Inch	540250	\$22.50
29 mm	1 5/32 Inch	540260	\$23.00
30 mm	1 13/64 Inch	540270	\$24.60
31 mm	1 1/4 Inch	540280	\$25.70
32 mm	1 17/64 Inch	540290	\$26.20
33 mm	1 19/64 Inch	540300	\$26.75
34 mm	1 3/8 Inch	540310	\$27.30
35 mm	1 13/32 Inch	540320	\$27.80

**RECOMMENDED
CORE DRILL
SPEEDS**
UP TO 1/4" O.D.
750 to 1,000
R.P.M.

1/4" to 1/2" O.D.
650 to 850 R.P.M.

1/2" to 3/4" O.D.
500 to 750 R.P.M.

3/4" to 1" O.D.
400 to 650 R.P.M.

1" to 1 3/8" O.D.
250 to 500 R.P.M.

* - Item not normally stocked.