

# DIAMOND DRILLS

**"YOUR LAPIDARY  
GENERAL STORE"**



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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	<b>560010</b>	<b>\$30.00</b>
0.75 Inch	0.62 Inch	<b>560020</b>	<b>\$36.00</b>
1.00 Inch	0.86 Inch	<b>560030</b>	<b>\$54.00</b>
1.25 Inch	1.10 Inch	<b>560040</b>	<b>\$60.00</b>
1.50 Inch	1.35 Inch	<b>560050</b>	<b>\$84.00</b>
2.00 Inch	1.80 Inch	<b>560060</b>	<b>\$102.00</b>

### CORE DRILL BITS (Plated Diamond)

CORE DIAMETER	SHANK DIAMETER	SINGLE BITS	
		MLS PART No.	Price
1/4 Inch	5/32 Inch	<b>550010</b>	<b>\$30.00</b>
5/16 Inch	5/32 Inch	<b>550020</b>	<b>\$31.00</b>
3/8 Inch	1/4 Inch	<b>550030</b>	<b>\$33.00</b>
7/16 Inch	1/4 Inch	<b>550040</b>	<b>\$35.00</b>
1/2 Inch	1/4 Inch	<b>550050</b>	<b>\$38.00</b>
9/16 Inch	1/4 Inch	<b>550060</b>	<b>\$40.00</b>
5/8 Inch	3/8 Inch	<b>550070</b>	<b>\$42.00</b>
3/4 Inch	3/8 Inch	<b>550090</b>	<b>\$48.00</b>
7/8 Inch	3/8 Inch	<b>550110*</b>	<b>\$55.00</b>
1 Inch	3/8 Inch	<b>550120</b>	<b>\$60.00</b>
1 1/16 Inch	3/8 Inch	<b>550130*</b>	<b>\$65.00</b>

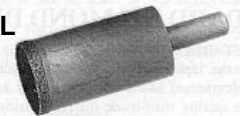
### ABOUT DRILLING SMALL HOLES IN "HARD" ROCKS

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	<b>540010</b>	<b>\$4.00</b>
5 mm	13/64 Inch	<b>540020</b>	<b>\$4.50</b>
6 mm	15/64 Inch	<b>540030</b>	<b>\$6.00</b>
7 mm	<b>1/4 Inch</b>	<b>540040</b>	<b>\$7.00</b>
8 mm	<b>5/16 Inch</b>	<b>540050</b>	<b>\$8.00</b>
9 mm	23/64 Inch	<b>540060</b>	<b>\$9.00</b>
10 mm	25/64 Inch	<b>540070</b>	<b>\$10.00</b>
11 mm	<b>7/16 Inch</b>	<b>540080</b>	<b>\$10.50</b>
12 mm	15/32 Inch	<b>540090</b>	<b>\$11.00</b>
13 mm	<b>1/2 Inch</b>	<b>540100</b>	<b>\$11.50</b>
14 mm	<b>9/16 Inch</b>	<b>540110</b>	<b>\$12.00</b>
15 mm	19/32 Inch	<b>540120</b>	<b>\$13.00</b>
16 mm	41/64 Inch	<b>540130</b>	<b>\$14.00</b>
17 mm	43/64 Inch	<b>540140</b>	<b>\$15.00</b>
18 mm	23/32 Inch	<b>540150</b>	<b>\$16.00</b>
19 mm	<b>3/4 Inch</b>	<b>540160</b>	<b>\$17.00</b>

OUTSIDE DIAMETER (mm)	OUTSIDE DIAMETER (Inches)	MLS PART No.	Price
20 mm	51/64 Inch	<b>540170</b>	<b>\$18.00</b>
21 mm	53/64 Inch	<b>540180</b>	<b>\$18.50</b>
22 mm	<b>7/8 Inch</b>	<b>540190</b>	<b>\$19.00</b>
23 mm	29/32 Inch	<b>540200</b>	<b>\$19.50</b>
24 mm	61/64 Inch	<b>540210</b>	<b>\$19.50</b>
25 mm	1 Inch	<b>540220</b>	<b>\$20.00</b>
26 mm	1 1/32 Inch	<b>540230</b>	<b>\$20.50</b>
27 mm	1 3/32 Inch	<b>540240</b>	<b>\$21.00</b>
28 mm	<b>1 1/8 Inch</b>	<b>540250</b>	<b>\$21.00</b>
29 mm	1 5/32 Inch	<b>540260</b>	<b>\$21.50</b>
30 mm	1 13/64 Inch	<b>540270</b>	<b>\$23.00</b>
31 mm	<b>1 1/4 Inch</b>	<b>540280</b>	<b>\$24.00</b>
32 mm	1 17/64 Inch	<b>540290</b>	<b>\$24.50</b>
33 mm	1 19/64 Inch	<b>540300</b>	<b>\$25.00</b>
34 mm	<b>1 3/8 Inch</b>	<b>540310</b>	<b>\$25.50</b>
35 mm	1 13/32 Inch	<b>540320</b>	<b>\$26.00</b>

### 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.