

# POLISHING HEADS / DIAMOND DRILL BITS

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## UNIVERSAL / INTERCHANGEABLE FACEPLATE

A new product for M.L.S. A complete POLISHING HEAD (Disc) for mounting on an arbor shaft requires the appropriate sized **FACEPLATE** and correct sized/threaded **HUB**. The faceplates are made from 1/4" thick aluminum machined on both sides. Hubs are machined from aluminum bar stock designed to be bolted to the faceplate with 3 hex headed cap screws.

### DISCS & HUBS

ITEM	MLS PART No.	Price	ITEM	MLS PART No.	Price
6" FACEPLATE	<b>497100</b>	<b>\$50.00</b>	3/4" S.B. HUB	<b>497030</b>	<b>\$18.00</b>
8" FACEPLATE	<b>497200</b>	<b>\$70.00</b>	3/4" - 16 R.H. HUB	<b>497032</b>	<b>\$18.00</b>
1/2" S.B. HUB	<b>497010</b>	<b>\$18.00</b>	3/4" - 16 L.H. HUB	<b>497034</b>	<b>\$18.00</b>
1/2" - 20 R.H. HUB	<b>497012</b>	<b>\$18.00</b>	1" S.B. HUB	<b>497040</b>	<b>\$18.00</b>
1/2" - 20 L.H. HUB	<b>497014</b>	<b>\$18.00</b>	1" - 12 R.H. HUB	<b>497042</b>	<b>\$18.00</b>
5/8" S.B. HUB	<b>497020</b>	<b>\$18.00</b>	1" - 12 L.H. HUB	<b>497044</b>	<b>\$18.00</b>
5/8" - 18 R.H. HUB	<b>497022</b>	<b>\$18.00</b>			
5/8" - 18 L.H. HUB	<b>497024</b>	<b>\$18.00</b>			

NOTE: S.B. = Smooth Bore  
L.H. = Left Hand Fine Thread  
R.H. = Right Hand Fine Thread

HUB ADAPTER



FACEPLATE



COMPLETE POLISHING HEAD (Disc)

## DIAMOND DRILL BITS

**SOLID DRILL BITS** - are made from sharp man made diamonds bonded (nickel plated) to a solid tempered steel core.

### SOLID DRILL BITS (Plated Diamond)

BIT DIAMETER	SINGLE BITS		6 PACK OF BITS	
	MLS PART No.	Price	MLS PART No.	Price
0.75 mm	<b>555011</b>	<b>\$2.00</b>	<b>555016</b>	<b>\$10.80</b>
1.00 mm	<b>555021</b>	<b>\$2.00</b>	<b>555026</b>	<b>\$10.80</b>
1.25 mm	<b>555031</b>	<b>\$2.00</b>	<b>555036</b>	<b>\$10.80</b>
1.50 mm	<b>555041</b>	<b>\$2.00</b>	<b>555046</b>	<b>\$10.80</b>
1.75 mm	<b>555051</b>	<b>\$2.00</b>	<b>555056</b>	<b>\$10.80</b>
2.00 mm	<b>555061</b>	<b>\$2.00</b>	<b>555066</b>	<b>\$10.80</b>
2.25 mm	<b>555071</b>	<b>\$5.20</b>	<b>555076</b>	<b>\$28.10</b>
2.50 mm	<b>555081</b>	<b>\$2.00</b>	<b>555086</b>	<b>\$10.80</b>
3.00 mm	<b>555091</b>	<b>\$6.30</b>	<b>555096</b>	<b>\$24.00</b>
3.50 mm	<b>555101</b>	<b>\$6.90</b>	<b>555106</b>	<b>\$37.25</b>
4.00 mm	<b>555111</b>	<b>\$7.50</b>	<b>555116</b>	<b>\$40.25</b>

MLS PART NUMBER	PARTS DESCRIPTION	PRICE
<b>555120</b>	ASSORTED SIX PACK of SOLID DIAMOND DRILL BITS - 1 each of 3/4, 1, 1 1/4, 1 1/2, 2 and 2 1/2 mm bits.	<b>\$10.80</b>
<b>555130</b>	ASSORTED ELEVEN PACK of SOLID DIAMOND DRILL BITS - 1 each of 3/4, 1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 3, 3 1/2 and 4 mm bits.	<b>\$35.00</b>

"PRICES SUBJECT TO CHANGE WITHOUT NOTICE"

I have done extensive testing. For holes under 3 mm., the **MICRO CORE DRILL BIT** work best followed by the **SOLID DRILL BITS**.

My test coupons were 1/4" thick Brazilian Agates using a 1 mm drill bit at 1,000 RPM and using **MLS "DIAMOND LUBE"**. The hollow bits gave me about 25 holes while the solid bits gave me 7 holes.

At 2,500 RPM I got half as many holes, at 5,000 RPM I got 5 holes on the hollow core and **ZERO** holes on the solid bit.

### MICRO CORE DRILL BITS (Plated Diamonds)

OUTER DIAMETER	SINGLE BITS		6 PACK OF BITS	
	MLS PART No.	Price	MLS PART No.	Price
1.00 mm	<b>551011</b>	<b>\$4.00</b>	<b>551016</b>	<b>\$21.60</b>
1.25 mm	<b>551021</b>	<b>\$4.00</b>	<b>551026</b>	<b>\$21.60</b>
1.50 mm	<b>551031</b>	<b>\$4.00</b>	<b>551036</b>	<b>\$21.60</b>
1.75 mm	<b>551041</b>	<b>\$4.00</b>	<b>551046</b>	<b>\$21.60</b>
2.00 mm	<b>551051</b>	<b>\$4.00</b>	<b>551056</b>	<b>\$21.60</b>
2.50 mm	<b>551061</b>	<b>\$4.00</b>	<b>551066</b>	<b>\$21.60</b>
3.00 mm	<b>551071</b>	<b>\$4.00</b>	<b>551076</b>	<b>\$21.60</b>
3.50 mm	<b>551081</b>	<b>\$4.00</b>	<b>551086</b>	<b>\$21.60</b>

MLS PART NUMBER	PARTS DESCRIPTION	PRICE
<b>551200</b>	ASSORTED SIX PACK of MICRO HOLLOW CORE DIAMOND DRILL BITS - 1 each of 1, 1 1/2, 2, 2 1/2, 3 and 3 1/2 mm bits.	<b>\$21.60</b>

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