

POLISHING HEADS / DIAMOND DRILL BITS

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GENERAL STORE"**



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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	497100	\$29.00	3/4" S.B. HUB	497030	\$14.70
8" FACEPLATE	497200	\$36.50	3/4" - 16 R.H. HUB	497032	\$14.70
1/2" S.B. HUB	497010	\$14.70	3/4" - 16 L.H. HUB	497034	\$14.70
1/2" - 20 R.H. HUB	497012	\$14.70	1" S.B. HUB	497040	\$14.70
1/2" - 20 L.H. HUB	497014	\$14.70	1" - 12 R.H. HUB	497042	\$14.70
5/8" S.B. HUB	497020	\$14.70	1" - 12 L.H. HUB	497044	\$14.70
5/8" - 18 R.H. HUB	497022	\$14.70			
5/8" - 18 L.H. HUB	497024	\$14.70			

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	555011	\$2.00	555016	\$10.80
1.00 mm	555021	\$2.00	555026	\$10.80
1.25 mm	555031	\$2.00	555036	\$10.80
1.50 mm	555041	\$2.00	555046	\$10.80
1.75 mm	555051	\$2.00	555056	\$10.80
2.00 mm	555061	\$2.00	555066	\$10.80
2.25 mm	555071	\$4.50	555076	\$23.00
2.50 mm	555081	\$2.00	555086	\$10.80
3.00 mm	555091	\$5.50	555096	\$28.00
3.50 mm	555101	\$6.00	555106	\$30.00
4.00 mm	555111	\$6.50	555116	\$35.00

MLS PART NUMBER	PARTS DESCRIPTION	PRICE
555120	ASSORTED SIX PACK of SOLID DIAMOND DRILL BITS - 1 each of 1/4, 1, 1 1/4, 1 1/2, 2 and 2 1/2 mm bits.	\$10.80
555130	ASSORTED ELEVEN PACK of SOLID DIAMOND DRILL BITS - 1 each of 1/4, 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.	\$32.85

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	551011	\$4.00	551016	\$21.60
1.25 mm	551021	\$4.00	551026	\$21.60
1.50 mm	551031	\$4.00	551036	\$21.60
1.75 mm	551041	\$4.00	551046	\$21.60
2.00 mm	551051	\$4.00	551056	\$21.60
2.50 mm	551061	\$4.00	551066	\$21.60
3.00 mm	551071	\$4.00	551076	\$21.60
3.50 mm	551081	\$4.00	551086	\$21.60

MLS PART NUMBER	PARTS DESCRIPTION	PRICE
551200	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.	\$21.60