



**LAPS**  
SERIES 585:



**BARREL LAPS:**

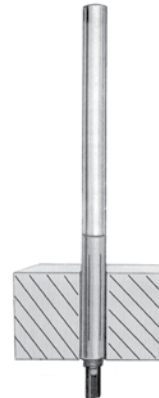
Insure fast, accurate, lapping of long or short holes. Instantly, accurately adjustable. No set-up time. No special equipment needed. Milled eccentric slots in brass barrel permit expansion of up to 15% or more by simply turning adjusting screw. Longer life, reducing lapping costs.

**BLIND HOLE LAPS**

Designed to accurately lap "closed-end" holes. Same "slotted" feature as the Barrel Lap, Blind Hole Laps permit high-speed lapping without galling or seizing. Holes are precision lapped from top of hole to bottom. Recessed adjusting screw in end of cylinder permits lap to reach the very bottom.

Metric sizes M3 through M25 available; please inquire.

Complete Laps					Replacement Barrels			
Size	Barrel Laps		Blind Hole Laps		Barrel Laps		Blind Hole Laps	
	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/8"	5851008		5852008		5853008		5854008	
5/32"	5851010		5852010		5853010		5854010	
3/16"	5851012		5852012		5853012		5854012	
7/32"	5851014		5852014		5853014		5854014	
1/4"	5851016		9852016		5853016		5854016	
9/32"	5851018		5852018		5853018		5854018	
5/16"	5851020		5852020		5853020		5854020	
11/32"	5851022		5852022		5853022		5854022	
3/8"	5851024		5852024		5853024		5854024	
13/32"	5851026		9852026		5853026		5854026	
7/16"	5851028		9852028		5853028		5854028	
15/32"	5851030		9852030		5853030		5854030	
1/2"	5851032		9852032		5853032		5854032	
9/16"	5851036		9852036		5853036		5854036	
5/8"	5851040		9852040		5853040		5854040	
11/16"	5851044		5852044		5853044		5854044	
3/4"	5851048		5852048		5853048		5854048	
13/16"	5851052		-		5853052		-	
7/8"	5851056		5852056		5853056		5854056	
15/16"	5851060		5852060		5853060		5854060	
1"	5851064		5852064		5853064		5854064	
1-1/8"	5851072		5852072		5853072		5854072	
1-1/4"	5851080		5852080		5853080		5854080	



Barrel



Hole

ABRASIVES

**BARREL & BLIND HOLE LAP SETS**

Sets supplied in hardwood stand.

Sets No.	Sizes	Barrel		Blind Hole	
		Order No.	Price	Order No.	Price
SET No. 1 - 6	Sizes 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" plus 1 additional replacement barrel of each size.	5852016		5856016	
SET No. 6 - 11	Sizes 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2"	5852611		5856611	
SET No. 7 - 13	Sizes 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 15/16", 1"	5852713		5856713	
SET No. 8 - 18	Sizes 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 15/16", 1"	5852818		5856818	



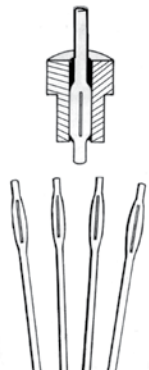
Barrel Set



Blind Hole Set

**NEEDLE-EYE LAPS**

ACRO Needle-Eye Laps are unequaled for lapping small holes. Each of the 20 sizes, from .026" to .250", expand to the next larger size to accurately lap the complete range of sizes.



Packaged in dozen lots only (all one size), in individual envelopes with standard Lap Expander. Also available in Trial Assortment of 17 sizes.

Size	Order No.	Price/Dz	Size	Order No.	Price/Dz
.026"	5852026		.079"	5852079	
.028"	5852028		.090"	5852090	
.030"	5852030		.104"	5852104	
.032"	5852032		.120"	5852120	
.036"	5852036		.135"	5852135	
.040"	5852040		.155"	5852155	
.046"	5852046		.170"	5852170	
.054"	5852054		.187"	5852187	
.062"	5852062		.218"	5852218	
.070"	5852070		.250"	5852250	

17pc. Assortment - Order No. 5852017

(.032 - .250")

Price

**ADJUSTING TOOL**

Permits easy, precision adjustments (compressing and expanding) in seconds.

Order No. 5850010

Price

## LAPPING AND GRINDING COMPOUNDS

### SILICON CARBIDE ABRASIVE

SERIES 447:

Perfectly suited for the cutting, smoothing and finishing of metal surfaces and for the precision matting of metal parts.

1lb. Containers



## GRIT-BIT

SERIES 189:

FOR HAND TOUCH-UP OF TUNGSTEN CARBIDE AND HIGH SPEED STEEL CUTTING TOOLS

- Next to diamond in hardness, yet less expensive than diamond tools and lasts far longer.
- Sintered boron carbide grains are suspended in a tough resilient matrix which resists grain pull-out and premature separation.
- Shapes and removes metal rapidly and cleanly.
- Best for touch-up of Tungsten Carbide and HSS tools already set up in machine tools. No need to disturb setup.
- One of the few honing tools you can really bear down on without fear of breakage.
- Generous sized 1.6" Long stones.
- Cemented into sturdy 7" long handle with a 2X magnifier.
- Glaze easily cleaned off with an ordinary pencil eraser.



Grade	Grit	Description	Order No.	Price
7A	1200	<b>Extremely Fine -</b>	4471200	
6A	1000	Polishing, high precision	4471000	
5A	800	lapping	4470800	
4A	600	<b>Very Fine -</b>	4470600	
3A	500	For fine polishing	4470500	
2A	400	and lapping	4470400	
1A	320	<b>Fine -</b>	4470320	
A	280	For Finishing, valve lapping, dies and gauges	4470280	
B	240	<b>Medium Fine -</b>	4470240	
C	220	For cylinder lapping	4470220	
D	180	<b>Medium -</b>	4470180	
NC	150	General purpose for controlled metal removal	4470150	
E	120	<b>Coarse -</b>	4470120	
F	100	For the initial "cut"	4470100	
G	80	fast removal	4470080	
J	54	<b>Very Coarse -</b>	4470050	

Use	Grain Size	Shape	Order No.	Price
Rougher	240	Flat	1890240	
Honer	320	Flat	1890320	
Lapper	400	Flat	1890401	
Ultra	600	Flat	1890601	
Rougher	240	Rounded	1891240	
Honer	320	Rounded	1891320	
Lapper	400	Rounded	1891400	
Ultra	600	Rounded	1891600	
Rougher	240	Triangle	1892240	
Honer	320	Triangle	1892320	
Lapper	400	Triangle	1892400	
Ultra	600	Triangle	1892600	

## DIAMOND POLISHING COMPOUNDS

SERIES 901:



## DIAMOND POLISHING COMPOUNDS

SERIES 183:

- Ideal finishing compound for all materials - hard and soft.
- Uniformly graded diamond powder suspended in an oil soluble solution.
- Supplied in a safe disposable syringe.
- 5 gram - medium concentration.



### FEATURES:

- Diamond powders uniformly distributed in an oil soluble vehicle
- Easy to use plastic 5 gram syringe

### BENEFITS:

- Aggressive polishing
- Consistent part quality
- Quick clean-up

Performs on all materials-hard and soft.

Excellent for mold, die and tool polishing, tool room use, polishing to final tolerance of ceramic parts, initial charging of lapping plates and discs, and other processes that require mirror finish and close tolerance performance.



U.S.B.S. No.	Micron Range	Mesh Equiv. Size	Color	General Use	Order No.	Price
1	0-2	14,000	Ivory	Super Finish	6000700	
3	2-4	8,000	Yellow	High Polish	6000703	
6	4-8	3,000	Orange	Mirror Finish	6000706	
9	8-12	1,800	Green	High Finish	6000709	
15	12-22	1,200	Blue	Fine Finish	6000715	
30	22-36	600	Red	Fast Lapping	6000730	
45	36-54	325	Brown	Med. Cutting	6000745	

U.S.B.S. No.	Micron Range	Mesh Equiv. Size	Color	General Use	Order No.	Price
1	0-2	14,000	Ivory	Super Finish	9010369	
3	2-4	8,000	Yellow	High Polish	9010370	
6	4-8	3,000	Orange	Mirror Finish	9010665	
9	8-12	1,800	Green	High Finish	9010666	
15	12-22	1,200	Blue	Fine Finish	9010662	
30	22-36	600	Red	Fast Lapping	9010382	
45	36-54	325	Brown	Med. Cutting	9010664	

## DIAMOND HONES

SERIES 585:



Double End

350

Dimensions:

OAL	Width	Thickness	Diamond Lgth
4	3/8	1/4	1

Diamond Depth: 1/16  
Concentration: 100

Type	Order No.	Price
Single End - Coarse	5850000	
Single End - Fine	5850001	
Double End*	5850002	

\*(One end Coarse and One end Fine)