

LORTONE

2009

Tumblers • Abrasives • Saws • Arbors • Polishes



Tools for Lapidary and Jewelry

Our History ...

For over 50 years, serious lapidaries have considered Lortone the standard for performance and durability. Since then, Lortone has continued to develop machines for every lapidary need. Whether you're active in cutting slabs or bookends, polishing cabs, or tumbling beach agate, Lortone makes a machine that will keep functioning for many years.

A lot goes into a machine to make it deserving of the Lortone name. Our tradition of using superior materials and workmanship hasn't changed. We design our equipment for durability and build it with careful attention to quality. We continue to use proven designs, premium steel, and quality construction. We don't build throw-away machines and we don't outsource our products. All our machines are made by us, right here in Washington.

We have a long history of producing high value, economical lapidary and jewelry products. The Lortone name, then and now, is synonymous with reliability, satisfaction and value. We're proud of that heritage.

Inside Our Catalog ...

You will find a large selection of tumblers, tumbling kits, polishing arbors, saws and accessories to fit all of your lapidary needs.

For the ultimate durability, choose one of the new Stainless Steel Arbors by Lortone. Available in either 6" or 8" models, these units can be equipped with silicon carbide or diamond wheels, expandable drums or polish heads at either end. **See Stainless Steel Arbors on pages 10 & 11.**

New!



Your Guarantee...

We make all Lortone tumblers, saws, laps, and arbors in our factory to the highest possible standards with modern equipment. U.S. made. All LORTONE products are thoroughly tested and proven in use by demanding craftsmen. Their long life is testament to the quality we build in. All carry a one year warranty on materials and workmanship.

How to Find Lortone Products ...

LORTONE has a well established network of knowledgeable, experienced dealers through whom equipment is available. We invite you to visit one of the many authorized dealers across the country and around the world which carry LORTONE products. For the location of your nearest dealer, call or visit us on the internet.



LORTONE

12130 Cyrus Way, Mukilteo, WA 98275-5700
Phone: (425) 493-1600 or Fax: (425) 493-9494
Email: equipment@lortone.com
WWW.LORTONE.COM
Phone orders 1-800-426-6773
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Mukilteo Lighthouse, Mukilteo, WA



TUMBLERS

Lortone tumblers are perfect for small applications or for the beginning hobbyist. Each tumbler is sturdy, easy to operate. Our patented molded rubber barrels provide extra sound absorption while delivering excellent results. Illustrated instruction book included.



3A

Our most popular single-barrel tumbler is the perfect size for getting started. Holds up to 3 lbs. of rock or jewelry. Base dimensions: 6" W x 9.5" L. Shipping weight: 5 lbs.
#001-092 \$ 82.50



33B

Tumble twice as much at one time! Two 3 lb. barrels mean extra flexibility. Polish in one barrel while grinding in another. Base dimensions 6.25" W x 16" L. Shipping weight: 7 lbs.
#004-091 \$ 119.00



3-1.5

Get more done! Our most versatile small barrel tumbler comes with three 1.5 lb. barrels. Base dimensions: 6.25" W x 16" L. Shipping weight: 7 lbs..
#004-093 \$ 123.50



45C

Need to do more in limited space? This machine's larger 4 lb. barrel is great for bigger loads and larger materials. Base dimensions 6.5" W x 10.25" L. Shipping weight: 7 lbs.
#004-092 \$ 119.00

4-Step Kit

Quality abrasives and polishing compounds produce a professional high gloss finish on 12 lbs. of rock. For tumbling most hard stones. Shipping weight: 5 lbs.
#590-030 \$ 21.50



Large 4-Step Kit

Polish More! Finish up to 60 lbs of rock with our large 4-Step kit. Includes 5 pounds each of high purity abrasives and polish. Shipping weight: 26 lbs.
#590-032 \$ 89.50



Tumbler Kits

Our kits are perfect as an introduction to tumbling. Each comes complete with everything to produce beautifully polished stones the first time. Choose the tumbler model you prefer and we include a 4-Step Abrasive and Polish Kit, plastic pellets, rough stones and illustrated instructions. Shipping weight: As shown.

- 3A Kit (13 lbs.) #081-091 \$ 99.50**
- 33B Kit (17 lbs.) #081-092 \$ 137.50**
- 3-1.5 Kit(17 lbs.) #081-093 \$ 141.00**
- 45C Kit (17 lbs.) #081-094 \$ 137.50**



Perfect for moderate production or tumbling larger items, our mid-size tumblers can accommodate 6 to 12 pound loads with the same outstanding performance as our smaller tumblers. Designed for continuous shop operation, they feature our patented barrels with 10-sided interiors, leak-proof closures, overload protected motors, and rugged steel frames.



QT6

Rugged design for larger stones.
Single 6 lb. capacity barrel. Base dimensions
8" W x 11.5" L. Shipping weight: 7 lbs.
#006-090 \$ 175.00



QT12

Our best mid-size tumbler.
Large capacity for high volume production.
Single 12 lb. capacity barrel. Base dimensions
11.5" W x 12.5" L. Shipping weight: 17 lbs.
#006-091 \$ 195.00



QT66

Extra versatility - great performance!
Double 6 lb. capacity barrels. Base dimensions
11.5" W x 12.5" L. Shipping weight: 18 lbs.
#006-092 \$ 210.00

C300-12

The most versatile tumbler for shop production with the versatility of 3 (12 lb) barrels. Includes barrels, belt guard, overload protected motor with switch. Base dimensions: 36" W x 18" L. Shipping weight: 78 lbs. 3 Boxes.
#009-092 \$ 575.00

C100-12

12 lb barrel. Includes barrel, belt guard, overload protected motor with switch. Base dimensions: 16" W x 18" L. Shipping weight: 46 lbs.
#009-090 \$ 395.00



C200-12

Perfect for shop production with the versatility of 2 (12 lb) barrels. Includes barrels, belt guard, overload protected motor with switch. Base dimensions: 28" W x 18" L. Shipping weight: 65 lbs.
#009-091 \$ 465.00

Tumbler Base w/Motor

Barrels not included.
Can be used with either 6 lb or 12 lb barrels.

C100 Base (52 lbs.) **#009-080 \$ 330.00**
C200 Base (61 lbs.) **#009-081 \$ 350.00**
C300 Base (63 lbs.) **#009-082 \$ 375.00**

COMMERCIAL TUMBLERS

Industrial capacity for job shop performance! If you're processing large amounts of stone or de-burring metal castings or stampings, our commercial tumblers fit the bill. They offer superior high-volume finishing and deliver trouble-free results 24 hours a day.

We build the frames of industrial grade steel and match them with six-sided steel barrels fitted with replaceable neoprene liners. Sealed ball bearings, full length drive shaft covers and roller barrel guides ensure years of operation.

C20

Compact size with industrial capability.
20 lb. capacity barrel with replaceable liner.
Includes barrel, belt guard, overload protected motor with switch.

Barrel ID: 7 1/2" across flats x 7" deep.

Base dimensions: 16" W x 18" L.

Shipping weight: 58 lbs.

Box dimensions: 22" x 33" x 22"

#009-095 \$ 595.00



C40

Our best high capacity tumbler with lifetime construction.
40 lb. capacity barrel with replaceable liner. Includes barrel, belt guard, overload protected motor with switch.

Barrel ID: 9" across flats x 11 7/8" deep.

Base dimensions: 28" W x 18" L.

Shipping weight: 78 lbs.

Box dimensions: 22" x 33" x 22"

#009-096 \$ 695.00



C20-2

Conveniently runs 2 barrels at the same time to increase volume, decrease time and save money.

2 - 20 lb. capacity barrels with replaceable liners.
Includes 2 barrels, belt guard, overload protected motor with switch.

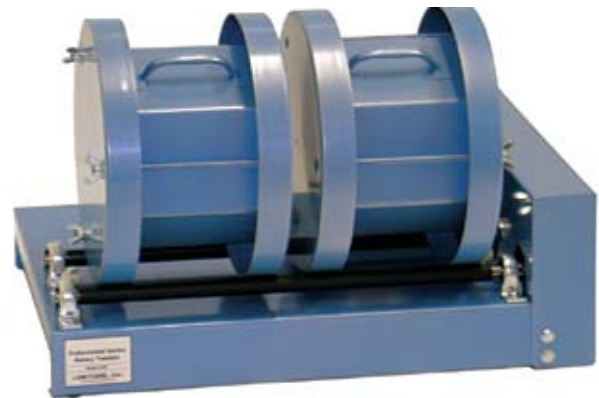
Barrel ID: 7 1/2" across flats x 7" deep.

Base dimensions: 28" W x 18" L.

Shipping weight: 86 lbs.

Box dimensions: 22" x 33" x 22"

#009-097 \$ 795.00



Commercial Tumbler Parts

Complete Barrels

Includes barrel, lid, liner, lid gasket and fittings.

Shipping weight: 18 lbs., 26 lbs.

20 lb barrel #021-097 \$ 255.00

40 lb barrel #021-098 \$ 320.00

Tumbler Base w/Motor

Barrels not included.

C100 Base - for use with 1 (20 lb) barrel

Base dimensions: 16" W x 18" L. Shipping weight: 52 lbs.

#009-080 \$ 330.00

C200 Base - for use with either 1 (40 lb) or 2 (20 lb) barrels

Base dimensions: 28" W x 18" L. Shipping weight: 61 lbs.

#009-081 \$ 350.00

Replacement Barrel Liners

Molded neoprene blend for water based tumbling.

Moderate oil resistant. Not for use with solvents.

Shipping weight: 8 lbs.

20 lb barrel #240-007 \$ 149.50

40 lb barrel #240-008 \$ 159.50

Replacement Lid Gaskets

Soft and pliable to seal securely.

Not for use with solvents. Shipping weight: 2 lbs.

20 lb barrel #240-017 \$ 23.00

40 lb barrel #240-018 \$ 23.00

Tumbler Parts

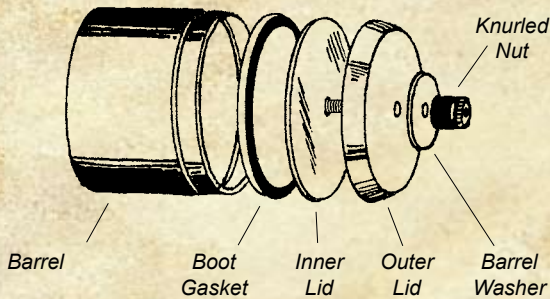
Complete Barrels

Patented Lortone barrels made of long-wearing rubber and with our patented water tight seal. Ten-sided interiors on 4 lb. and larger models. Not for use with solvents or harsh detergents.

Barrel Model	Inside Depth	Inside Diameter	Shipping weight	Part #	Price
1.5 lb.	2 5/8"	3 7/8"	0.9 lb.	#020-090	\$ 22.50
3 lb.	4 1/8"	3 7/8"	1.1 lbs.	#020-091	\$ 26.50
4 lb.	3 1/2"	5 3/8"	2 lbs.	#020-092	\$ 39.50
6 lb.	3 5/8"	6 3/4"	3.2 lbs.	#020-093	\$ 53.00
12 lb.	7 1/2"	6 3/4"	5.5 lbs.	#020-094	\$ 68.00



Individual Barrel Parts



Knurled Nut

All barrels, shipping weight 2 oz.
#481-070 \$ 1.95



Barrel Washer

All barrels, shipping weight 1 oz.
#108-001 \$ 0.80



Outer Lid

Shipping weight 6 oz.
 1.5 lb. /3 lb. **#020-001 \$ 4.40**
 4 lb. **#020-002 \$ 6.95**
 6 lb. /12 lb. **#020-003 \$ 8.95**



Inner Lid with Bolt

Shipping weight 4 oz.
 1.5 lb. /3 lb. **#020-100 \$ 3.50**
 4 lb. **#020-101 \$ 6.90**
 6 lb. /12 lb. **#020-102 \$ 7.90**



Inner Lid Boot Gaskets

Shipping weight 3 oz.
 1.5 lb. / 3 lb. **#240-010 \$ 3.60**
 4 lb. **#240-011 \$ 4.50**
 6 lb. /12 lb. **#240-012 \$ 5.95**

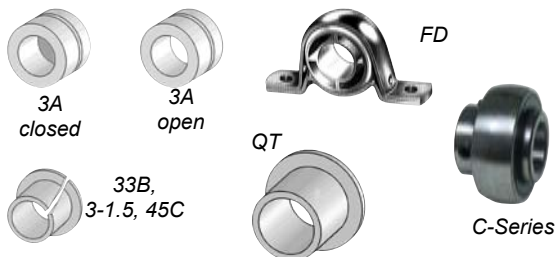


Barrels Only

Just our patented barrels. No lids or gaskets.
 1.5 lb Ship weight 1 lb. **#240-001 \$ 11.50**
 3 lb. Ship weight 2 lbs. **#240-002 \$ 14.00**
 4 lb. Ship weight 2 lbs. **#240-003 \$ 23.00**
 6 lb. Ship weight 4 lbs. **#240-004 \$ 33.50**
 12 lb. Ship weight 6 lbs. **#240-005 \$ 46.50**

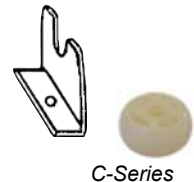
Tumbler Bearings

Shipping weight 2 oz
 1.5E, 3A closed end **#203-003 \$ 1.70**
 (3 required on 3A, 1.5e)
 1.5E, 3A open end **#203-004 \$ 1.70**
 (1 required on 3A, 1.5e)
 33B, 3-1.5, 45C **#203-010 \$ 0.95**
 QT6, QT12, QT66 **#203-001 \$ 2.95**
 FD12, FD66, FD Add-A-Unit **#203-020 \$ 3.90**
 C-Series **#200-002 \$ 8.50**



Barrel Guides

Shipping weight 2 oz.
 45C **#004-010 \$ 2.80**
 QT6, QT12, QT66 **#006-003 \$ 2.80**
 C-Series (roller only) **#203-920 \$ 2.00**



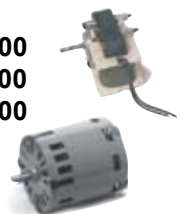
Drive Belts

Shipping weight 2 oz.
 1.5E, 3A **#210-001 \$ 1.75**
 33B, 3-1.5, 45C **#210-002 \$ 2.10**
 QT6, QT12, QT66 **#210-011 \$ 6.30**



Drive Motors

1.5E (3 lbs.) **#301-021 \$ 21.00**
 3A, 33B, 3-1.5, 45C (3 lbs.) **#301-034 \$ 24.00**
 QT6, QT12, QT66 (5 lbs.) **#301-030 \$ 55.00**



TUMBLER PARTS

Tumbling Kit includes:
 STEP 1 - Coarse (60/90 grit)
 STEP 2 - Med/Fine (120/220 grit)
 STEP 3 - Aluminum Oxide Pre-Polish
 STEP 4 - Aluminum Oxide Polish



4-Step Tumbling Kit

Quality abrasives and polish for a professional high gloss finish on up to 12 lbs. of rock.
 Shipping weight: 5 lbs.
#590-030 \$ 21.50



Large 4-Step Kit

Polish More! Finish up to 60 lbs of rock with our extra-large 4-Step kit. We include 5 pounds each of the same abrasives and polish as our original 4-Step kit.
 Shipping weight: 26 lbs.
#590-032 \$ 89.50

Tumbling Grade Silicon Carbide

Perfect for tumbling and general use, these mixed grades provide excellent results at low cost.

Grade	Best for	<u>1 lb.</u>	<u>5 lb.</u>	<u>50 lb.*</u>
46/70	Extra Coarse Tumbling	#591-051 \$ 4.95	#591-052 \$ 19.90	#591-053 \$ 92.00
60/90	Coarse Tumbling	#591-056 \$ 4.95	#591-057 \$ 19.90	#591-058 \$ 92.00
120/220	Med/Fine Tumbling	#591-066 \$ 5.25	#591-067 \$ 21.90	#591-068 \$ 107.00
3F (320/400)	Fine Tumbling	#591-081 \$ 8.40	#591-082 \$ 33.60	#591-083 \$ 240.00
		Ship wt: 1.1 lbs.	Ship wt: 5.75 lbs.	Ship wt: 55 lbs.*

Lap Grade Silicon Carbide

Lapping and critical applications demand the precision of fine abrasives. Our closely graded grain delivers super consistent finishes and greatly reduces the chance of undercutting.

Grade	Best for	<u>1 lb.</u>	<u>5 lb.</u>	<u>50 lb.*</u>
80	Coarse Lapping	#592-046 \$ 5.10	#592-047 \$ 22.95	#592-048 \$ 110.00
220	Med/Fine Lapping	#592-051 \$ 5.90	#592-052 \$ 23.60	#592-053 \$ 132.00
320	Med/Fine Lapping	#592-061 \$ 8.10	#592-062 \$ 36.45	#592-063 \$ 201.00
400	Fine Lapping	#592-066 \$ 9.50	#592-067 \$ 42.75	#592-068 \$ 245.00
600	Fine Lapping	#592-076 \$ 12.50	#592-077 \$ 56.25	#592-078 \$ 380.00
1000	Pre-Polish	#592-086 \$ 18.25	Ship wt: 5.75 lbs.	Ship wt: 55 lbs.*
		Ship wt: 1.1 lbs.		

Flat Lapping Tips

For best results, use graded abrasives to prevent undercutting. We recommend 220 grit for rough grind and 600 grit for fine grind. Final polish with Tin Oxide.



* Bulk grit requires additional shipping fee of \$8.00 per pail.

Select the right polish to get the best from your tumbler.
Our polishes are milled to laboratory standards for the best performance.



Aluminum Oxide Pre-Polish

This is an inexpensive alumina for use as a pre-polish in all tumblers. 5 microns.

Aluminum Oxide Polish

An excellent low-cost tumbling polish which leaves little or no residue on stones. 1 micron.

Cerium Oxide

Premium optical grade cerium for use on all quartz, agate, glass and obsidian. 1.5 microns.

Tin Oxide

Recommended as a final polish for flat lapping. Good for metal/stone combinations.

Chrome Oxide

Good on jade and colored stones. Green in color.

Red Rouge

Use with walnut shell when tumbling jewelry and brass.

<u>Polish</u>	<u>Net Wt. (Each)</u>	<u>5 lb.</u>	<u>20 KG. (44 lbs.)</u>
Al. Oxide Pre-Polish	(14 oz) #591-021 \$ 4.80	#591-022 \$ 21.60	#591-020* \$ 113.00
Al. Oxide Polish	(12 oz) #591-026 \$ 5.60	#591-027 \$ 25.20	#591-025* \$ 157.00
Cerium Oxide	(1 lb) #591-042 \$ 13.90	#591-043 \$ 62.50	Ship wt: 48 lbs.
Tin Oxide	(1 lb) #591-038 \$ 29.50	#591-039 \$ 135.00	
Chrome Oxide	(1 lb) #591-034 \$ 14.50	Ship wt: 5.75 lbs.	
Red Rouge	(1 lb) #591-014 \$ 10.50		* Requires additional shipping fee of \$8.00 per pail.
	Ship wt: 1.1 lbs.		



Stainless Steel Shot

Rustproof jewelry mixture with a mirror polished surface. Includes flattened balls, diagonals & pins. Use with burnishing solution.

Shipping weight 1 lb net: 1 lbs., 5 lb net: 5 lbs.

1 lb. #592-037 \$ 28.50
5 lb. #592-038 \$ 128.00



Burnishing Compound

High quality compound for bright finishes.

Use 1 Tbsp. per gallon of water.

Shipping weight 1 lb. net 1 lbs., 5 lb. net 7 lbs.

1 lb. #592-032 \$ 8.65
5 lb. #592-033 \$ 35.50



Plastic Pellets

Use in the pre-polish and polish stages to cushion stones and help carry polish. Works well as a filler for small loads. Long wearing and reusable.

Shipping weight:

1 lb net: 1 lbs., 5 lb net: 5 lbs.

1 lb. #591-091 \$ 5.20
5 lb. #591-092 \$ 22.10



Untreated Walnut Shell

For dry tumbling operations on metal or stone.

Medium grind (1/16") for use with compounds.

5 lbs. net. Shipping weight 5 lbs.

#592-015 \$ 9.50



Metal Tumbling Media-Red

Excellent for polishing brass, bronze and gold in dry tumbling operations. Pre-impregnated with just the right amount of red jeweler's rouge for a super shine. 1 lb. net. Shipping weight 1 lbs.

#592-005 \$ 6.00



Metal Tumbling Media-Green

Developed for polishing silver, nickel, and white metals in dry tumbling operations. Pre-mixed with chrome oxide to deliver great results. 1 lb. net. Shipping weight 1 lbs.

#592-010 \$ 6.50



Mixed Rough Tumbling Stone

Our colorful blend of tumbling grade rough rock is available in a 2 lb bag or 10 lb box. Typically includes rose quartz, blue agate, tiger eye, amethyst, aventurine, and jasper.

Shipping weight:

2 lb net: 2 lbs., 10 lb net: 10 lbs.

2 lb. #566-017 \$ 9.95
10 lb. #566-018 \$ 39.95



STAINLESS STEEL ARBORS

New!



ARBORS

6" & 8" Stainless Steel Arbors

If you hate having to replace equipment due to rust or breakage, you'll appreciate the stainless steel construction of our new Arbors! We use our in-house CNC laser to precisely cut each machine from corrosion resistant 18/8 grade stainless steel and then we assembled them with 3/4" stainless steel shafts. No one else builds them like this! These are the most durable arbors you can buy!

Each stainless steel arbor can be equipped with a combination of accessories including silicon carbide or diamond wheels, expandable drums, and is tapped for 1/4-20 spin-on polish heads at both ends. The removable top cover has pre-cut holes for use with a water drip system. Includes spacers, flanges and 2 1/2" x 1/2" motor pulley. Wheels and motor not included.

Model	Item #	List Price	Dimensions
6", 2 Wheel	031-090	\$370.00	21" W x 17" L x 8" H
6", 4 Wheel	032-090	\$400.00	22" W x 17" L x 8" H
6", 6 Wheel	033-090	\$430.00	26" W x 17" L x 8" H
8", 2 Wheel	030-090	\$390.00	21" W x 17" L x 11" H
8", 4 Wheel	034-090	\$420.00	22" W x 17" L x 11" H

All Arbors require either an Overhead Water System (#075-097), Underwheel Water Fountain (#075-096), or separate water system, shown on page 13.

New!

Stainless 8" Arbor Package

This complete Stainless Steel arbor package includes our 8", 4 wheel Arbor, attached adjustable drip water system (2 qt. capacity), and 1/3 hp overload-protected motor.

Dimensions: 22" W x 25" L x 18" H

Item # 034-092 \$1,495.00

Includes:

- 8 x 1-1/2" 100 & 220 mesh metal bond Diamond wheels
- 8 x 3 Expandable Drums (2)
- 325, 600, 1,200, 3,000 mesh Diamond belts
- 8" Cast Aluminum Polish Heads (2)
- 14,000 mesh PSA Diamond Disc
- 8" Felt Pad
- Drain System (4' tubing & fitting)

ARBORS



ARBORS



Max-Pro 8C

Perfect for Schools and professionals, this 8 inch lapidary arbor with two-wheel design and heavy steel construction comes complete and ready to run! The top mounted motor makes the unit compact and saves valuable bench space. Includes removable side enclosures, coolant tank with adjustable flow valves, and 1/3 hp motor with overload protection.

Includes:

- 8" Cast aluminum polish head,
- 8" x 1-1/2" 100 grit grinding wheel,
- EX83 sanding drum with 400 grit belt

Base dimensions: 26" W x 22" L.

Shipping weight 81 lbs., in two boxes.

#044-091 \$ 975.00

NS8

Our heavy-duty 8" cast aluminum Arbor. Split design allows for easy bearing replacement. We use a $\frac{3}{4}$ " stainless steel shaft and sealed bearings and mount them in our custom supports to reduce vibration.

Bolt this unit to any workbench and mount the motor from the rear or underneath. Complete with 3-step pulley and belt. 1/3 hp motor (#300-22) not included. Shipping weight 7 lbs.

#040-090 \$ 240.00

NS8-Long Shaft

Same as the NS8, but with a longer shaft extension. (8-1/4"). Plated steel shaft. Shipping weight 14 lbs.

#040-060 \$ 240.00



SS8 Tool Rest

Designed just for the SS8 splash shield. Shipping weight 1 lb.

#070-092 \$ 27.00

SS8
Tool Rest



SS8
Splash
Shield

SS8 Splash Shield

A welded aluminum splash shield for use with the NS8 arbor. Comes with pan, shield, drain plug, and hold down brackets.

Shipping weight 4 lbs.

#074-090 \$ 52.50



Overhead Water System

With a newly updated design, our free-standing gravity feed water supply works with any lapidary arbor. Includes tank, valve, and tubing. Shipping weight 4 lbs.

#075-097 \$ 37.50

Underwheel Water Fountain

Supply coolant to all your wheels with our water fountain. Comes with tubing, spitter head and air pump.

Shipping weight: 1 lb.

#075-096 \$ 29.50



Moffatt Flexible Lamp

A flexible goose-neck lamp for adding light to your work area. Includes mounting bracket.

18" long neck, 6 ft. cord.

Shipping weight 3 lbs.

#340-003 \$ 71.00



Water Feed and Drain Kit (Not shown.)

All the water fittings, plastic tubing, and instructions for supply or drain for any arbor.

Shipping weight 1 lb.

#075-095 \$ 19.50

Expandable Drums

Drums expand when in use to hold sanding belts in place. Belts can be easily changed when stopped. Made from carefully formulated rubber and flexible enough to blend to the stone. Maximum rpm is 1750. Shipping weight 6": 3 lbs, 8": 5 lbs.



Size	Uses Belt Size		
6" x 1-1/2"	1-1/2" x 18-15/16"	#073-011	\$ 75.00
6" x 2-1/2"	2-1/2" x 18-15/16"	#073-012	\$ 80.00
8" x 3"	3" x 25-7/32"	#073-014	\$ 85.00

EX Drums

Lightweight, two-piece sanding drums with resilient foam rubber center ring. Remove the ring to change belts. The EX 625 is 6" dia, uses 2-1/2" x 18-15/16" belts. The EX 83 is 8" dia, uses 3" x 25-1/8" belts. Shipping weight 6" 1 lb., 8" 1.5 lbs.



	EX 625	EX 83
Arbor	\$ 28.00	\$ 38.50
1/2"	#072-090	#072-095
5/8"	#072-091	#072-096
3/4"	#072-092	#072-097
1"	#072-093	#072-098

Replacement EX Drum Rings

Interlocking dovetail joints for no glue lines! Shipped flat. Shipping weight 2 oz.

EX 625	#072-001	\$ 5.50
EX 83	#072-011	\$ 6.90

Telescopic Bushings

For expandable drums, grinding wheels, and diamond wheels. Adapts 1" dia center hole to 3/4", 5/8", and 1/2" shafts.

Shipping weight 2 oz.

15/16" wide #511-001A \$ 1.75



Silicon Carbide Grinding Wheels

Our wheels are custom made in the US with the best high-purity silicon carbide. Green wheels are the cutting standard and have a soft bond to cut fast, stay cool and resist glazing. Black Wheels are a lower cost alternative with a medium bond and combine great cutting with long and dependable life. 1" arbor hole is bushed for 3/4", 5/8", 1/2" shafts. Shipping weight 6": 2 lbs., 8": 5.4 lbs.

Green Wheels

Size	Grit		
6" x 1"	100	#500-042	\$ 49.50
6" x 1"	220	#500-043	\$ 49.50
8" x 1-1/2"	100	#500-052	\$ 85.00
8" x 1-1/2"	220	#500-053	\$ 85.00

Black Wheels

Size	Grit		
6" x 1"	100	#500-072	\$ 39.50
6" x 1"	220	#500-073	\$ 42.50
8" x 1-1/2"	100	#500-082	\$ 62.00
8" x 1-1/2"	220	#500-083	\$ 66.50



Wheel Dresser

Make grinding wheels run true again. T-bar diamond head with aluminum handle. By Lapcraft. Shipping weight 8 oz.

#566-010 \$ 29.50



Spin-On Polish Heads

6" Lightweight, flexible molded polish heads with a 1/4-20 stud for threading into the end of most arbor shafts. Available with a plain 3/16" rubber face for use with sanding discs or with a felt top bonded to a 3/16" rubber for polishing.
Shipping weight 8 oz.

Plain Rubber Face

Right Hand #025-060 \$ 17.50
Left Hand #025-061 \$ 17.50

With Felt on Rubber

Right Hand #025-065 \$ 20.50
Left Hand #025-066 \$ 20.50



Cast Aluminum Polish Heads

Our sturdy cast aluminum alloy heads are precision machined to run flat and true. 3/16" resilient rubber bonded to the face. Specify right hand, left hand or straight bore with set screw.
Shipping weight 6" 1 lb., 8" 2 lbs.



Arbor

1/2" Straight Bore
1/2" RH Thread
3/4" Straight Bore
3/4" RH Thread
3/4" LH Thread

	6" Dia.	8" Dia.
	\$ 46.00	\$ 58.00
1/2" Straight Bore	#515-001	#515-021
1/2" RH Thread	#515-002	-N/A-
3/4" Straight Bore	-N/A-	#515-027
3/4" RH Thread	#515-008	#515-028
3/4" LH Thread	#515-009	#515-029

Replacement

Sponge Rubber Discs

Shipping weight 8 oz.

6" #515-060 \$ 2.90
8" #515-080 \$ 3.70

Leather Polishing Discs

Suede leather delivers a brilliant final polish on stones or metal when charged with any of our popular buffing compounds. These discs have been the choice of professionals for many years.
Shipping weight 2 oz.

Dia.	Part#	
6"	#509-001	\$ 4.20
8"	#509-002	\$ 6.95



Felt Polishing Discs

This premium felt holds polish easily and doesn't dry out quickly. Soft and pliable, use it for a wide range of polishing applications. Shipping weight 2 oz.

Dia.	Part#	
6"	#508-001	\$ 3.20
8"	#508-002	\$ 4.80



Silicon Carbide Sanding Belts

Silicon carbide is the long time standard and offers excellent value and lasting performance. Quality belts are custom made with butt joints for no bump. Waterproof backing with high density grit. Use wet. Shipping weight 1 oz. each

Grit	1 1/2 x 18 ¹⁵ / ₁₆	2 1/2 x 18 ¹⁵ / ₁₆	3 x 25 ¹ / ₈	3 x 25 ⁷ / ₃₂
	\$ 2.40	\$ 2.90	\$ 3.60	\$ 3.60
100	#501-001	#501-011	#501-021	#501-041
220	#501-002	#501-012	#501-022	#501-042
320	#501-003	#501-013	#501-023	#501-043
400	#501-004	#501-014	#501-024	#501-044
600	#501-005	#501-015	#501-025	#501-045



Silicon Carbide Sanding Discs

Use wet or dry. These superior quality discs are waterproof and made to exacting standards. Correct flex for smooth operation. PSA discs have permanent adhesive backing.
Shipping weight 1 oz. each

Grit	Plain Discs		PSA Discs	
	6"	8"	6"	8"
	\$ 1.40	\$ 2.30	\$ 1.75	\$ 2.80
100	#505-001	#505-011	#505-006	#505-016
220	#505-002	#505-012	#505-007	#505-017
320	#505-003	#505-013	#505-008	#505-018
400	#505-004	#505-014	#505-009	#505-019
600	#505-005	#505-015	#505-010	#505-020



Diamond Sanding Belts & Discs

Diamond sanding belts require no messy compounds and last up to 50 times longer than conventional abrasives. Now get an extraordinarily smooth surface finish without messy compounds. Strong, flexible backings will not crack even after prolonged use. PSA discs have permanent adhesive backing. Must use with water. Shipping weight discs 3 oz., belts 4 oz.

Mesh	BELTS			DISCS	
	1 1/2 x 18 15/16	2 1/2 x 18 15/16	3 x 25 7/32	6" dia.	8" dia.
	\$ 41.00	\$ 58.50	\$ 87.50	\$ 35.50	\$ 58.50
120	#506-020	#506-035	#506-050	#506-065	#506-080
220	#506-021	#506-036	#506-051	#506-066	#506-081
325	#506-022	#506-037	#506-052	#506-067	#506-082
400	#506-023	#506-038	#506-053	#506-068	#506-083
600	#506-024	#506-039	#506-054	#506-069	#506-084
800	#506-025	#506-040	#506-055	#506-070	#506-085
1,200	#506-026	#506-041	#506-056	#506-071	#506-086
1,800	#506-027	#506-042	#506-057	#506-072	#506-087
3,000	#506-028	#506-043	#506-058	#506-073	#506-088
8,000	#506-029	#506-044	#506-059	#506-074	#506-089
14,000	#506-030	#506-045	#506-060	#506-075	#506-090
50,000	#506-031	#506-046	#506-061	#506-076	#506-091
100,000	#506-032	#506-047	#506-062	#506-077	#506-092



Eastwind Flexible Diamond Wheels

Eliminate scratching and flat spots with these foam-backed resin bond diamond wheels. Their advanced bonding technology lasts significantly longer than ordinary silicon carbide abrasives! Gentle pressure lets the surface flex while still cutting aggressively. 1" bore with bushing to fit most shafts. Must use with water. Shipping weight 6" 2 lb, 8" 3 lbs.

Mesh	6" x 1 1/2"	8" x 2"
	\$ 110.00	145.00
120	#507-001	#507-021
220	#507-002	#507-022
325	#507-003	#507-023
400	#507-004	#507-024
600	#507-005	#507-025
800	#507-006	#507-026
1,200	#507-007	#507-027
1,800	#507-008	#507-028
3,000	#507-009	#507-029
8,000	#507-010	#507-030
14,000	#507-011	#507-031
50,000	#507-012	#507-032
100,000	#507-013	#507-033



LAPCRAFT Uncharged Polish Pads

Micro-Tex pads for mesh sizes 260-1800.
Poly-Tex pads for mesh sizes 3000-50,000.
Shipping weight 1 oz.

Micro-Tex

#563-058 6" \$ 4.30
#563-059 8" \$ 6.50

Poly-Tex

#563-060 6" \$ 4.80
#563-061 8" \$ 8.20



Diamond Core Drills

High strength plated diamond drills for fast cutting.
Rustproof plated steel shanks. Use coolant when drilling.
Sized by outside diameter. Shipping weight 2 oz.

Size	RPM		
3 1/2 mm	4000	#564-015	\$ 20.00
1/4"	4000	#564-016	\$ 30.00
5/16"	4000	#564-017	\$ 31.00
3/8"	4000	#564-018	\$ 33.00
1/2"	4000	#564-020	\$ 38.00
5/8"	2000	#564-022	\$ 40.00
3/4"	2000	#564-024	\$ 48.00



Diamond Drills

Professional quality drills tipped with rapid cutting diamonds. 80 mesh, 1-3/8 in. long. Use coolant when drilling. 6 drills per package. Shipping weight 2 oz.

Drill (mm)	Size (in.)	Shank Dia. (in.)		
3/4	.030	0.023	#564-001	\$ 22.00
1	.040	0.024	#564-002	\$ 22.00
1 1/4	.050	0.036	#564-003	\$ 22.00
1 1/2	.060	0.044	#564-004	\$ 22.00
2	.080	0.044	#564-006	\$ 23.00
2 1/2	.100	0.044	#564-008	\$ 24.00
3	.120	0.044	#564-009	\$ 28.00
4	.160	0.044	#564-011	\$ 35.00



Three-Pak Diamond Drill Kit

Includes one each of the 1 mm, 1 1/4 mm, and 1 1/2 mm drills.
Shipping weight 2 oz.

#564-012 \$ 11.00

Five-Pak Diamond Drill Kit

Includes one each of the 1 mm, 1 1/4 mm, 1 1/2 mm, 2 mm, and 2 1/2 mm drills. Shipping weight 2 oz.

#564-013 \$ 17.00

Lapcraft Diamond Compound

Concentrated diamond compound in color coded syringes for easy identification. Shipping weight 1 oz.



Mesh	2 gm	5 gm
600	#563-072 \$ 11.00	#563-073 \$ 22.00
1,200	#563-075 \$ 11.00	#563-076 \$ 22.00
3,000	#563-082 \$ 11.00	#563-083 \$ 22.00
8,000	#563-085 \$ 8.00	#563-086 \$ 18.00
14,000	#563-088 \$ 5.00	#563-089 \$ 9.50
50,000	#563-092 \$ 5.00	#563-093 \$ 9.50
100,000	#563-095 \$ 5.00	#563-096 \$ 9.50

Extender Fluid

Special lubricant for use with diamond compound.
1 ounce bottle. Shipping weight 1 oz.

#563-063 \$ 4.50



Lapcraft Diamond Polishing Spray

One full carat precisely graded diamond in 2 oz. pump spray bottles. Shipping weight 3 oz.

Mesh		
600	#562-059	\$ 9.00
1,200	#562-060	\$ 9.00
3,000	#562-061	\$ 9.00
8,000	#562-062	\$ 9.00
14,000	#562-063	\$ 9.00
50,000	#562-064	\$ 9.00
100,000	#562-065	\$ 9.00



TRIM SAWS

Trim saws cut are used to cut slabs into workable shapes and remove excess material from around mineral specimens. Our rugged trim saws are available in 8" or 10" models. Use water-based or oil coolants.



TS10-C Stainless Steel Trim Saw

The perfect choice if you hate rust!

This 10" heavy-duty trim saw features an all new stainless steel design. The worktable has a 14-1/4" x 16-5/8" work surface and centered blade. Includes a sealed ball bearing arbor, arbor pulley, 3/4" steel shaft, motor, blade, belt, blade guard, and base. Requires 2 quarts of cutting oil.

Base Dimensions: 14.5" W x 27.5" L.

Shipping weight 75 lbs.

#059-093 \$ 695.00



TS8-C

Perfect for hobbyists and serious rock hounds.

Featuring a new base design, the TS8-C includes 8" blade, vise, plastic hood and motor with on/off switch. The worktable has a 10-1/2" x 15" work surface. Also includes sealed ball bearing arbor, arbor pulley, 3/4" stainless steel shaft, blade guard and belt guard.

Requires 2 quarts of cutting oil.

Base Dimensions: 13.5" W x 26" L.

Shipping weight 56 lbs.

#051-092 \$ 595.00



LU6X-130 Combination Saw & Arbor

Our most versatile saw combines the best features of a trim saw and an arbor in one easy-to-use machine. Great for those getting started or who don't have room for multiple machines. Now with stainless steel trim table and stainless steel arbor shaft!

Includes:

- 6" diamond blade
- 6" x 1" 100 Grit grinding wheel
- Sanding drum
- Spin-on polish disc w/felt pad
- Sanding belts (220, 400. & 600)
- 1/3 hp motor
- Hood
- Trim vise
- Starter kit (templates, scribes, cerium oxide polish, dop wax, and dop sticks)



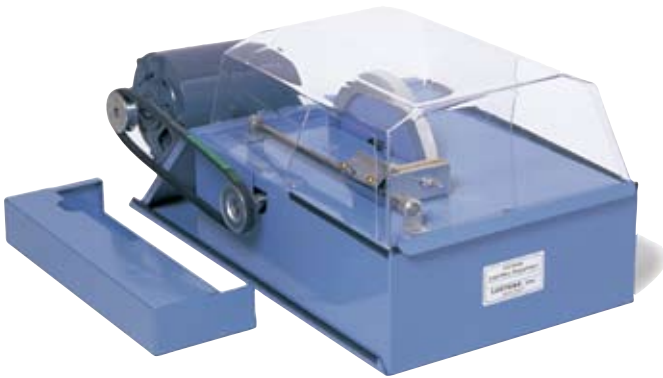
Use with an Overhead Water System (#075-97) or other water source.

Saw requires 2 quarts coolant.

Base dimensions: 24-1/2" W x 18" D x 10" H

Shipping weight 57 lbs, in two boxes.

#061-092 \$ 630.00



FS8-C

This 8" saw is perfect for those desiring the capacity of a larger saw in an easy-to-clean design. We made the work table larger and kept the removable coolant pan. Includes vise, hood, 1/3 hp motor, and 8" x .032" diamond blade. Requires 4-1/2 quarts of cutting oil. Shipping weight 67 lbs., in three boxes.

#056-093 \$ 555.00

Hoods

Clear plastic hoods help keep your work area clean by reducing mist and over-spray. Side cutouts allow easy access. Sized to fit LORTONE trim saws.

LU6X #074-092 \$ 43.00

Shipping weight: 2 lbs

FS8/TS10 #074-095 \$ 55.50

Shipping weight: 4 lbs

TS8 #074-091 \$ 43.00

Shipping weight: 3 lbs



Vises

Rigid trim saw vise guides the stone and helps reduce cutting effort. Mounts directly to the saw table. Shipping weight: 3 lbs

LU6X #071-091 \$ 36.50

FS8 #071-097 \$ 36.50

TS8 #071-093 \$ 36.50

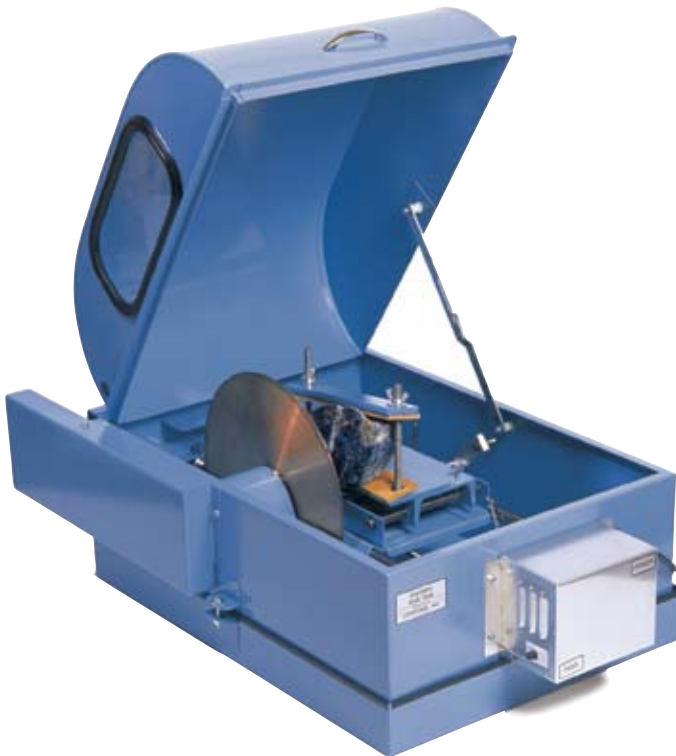
TS10 #071-098 \$ 36.50





Slabbing is the first step in exposing the natural patterns, colors and beauty of the stone. Lortone slab saws are meticulously designed and constructed for long life and ease of operation. Several configurations from 12" to 18" are available. Choose a saw with a blade at least three times as large as the material you wish to cut. We designed our saws for use with oil as a coolant to deliver the best in cutting speed and life.

SLAB SAWS



LS12C

This quiet, fully enclosed, professional quality 12" saw is a real workhorse. It features a dependable fixed rate power feed of 8 inches per hour and a large capacity vise which can hold up to 5" x 6-1/2" rough. The cross feed allows several cuts without repositioning.

The full hinged hood keeps oil mist contained and comes with a tempered safety glass window for easy viewing. The coolant pan is detachable for cleaning. Requires 2 gallons of cutting oil. Complete with 12" x .062" x 5/8" diamond blade and 1/3 hp motor with overload protection. Base dimensions: 21" W x 30" L

Shipping weight: 152 lbs., in two boxes.

Box dimensions: 24" x 33" x 24"

(motor in separate box)

Shipped by Motor Freight Only.

#053-093 \$ 1,290.00

**FAST
FEED RATE**



PANTHER LSS-14P

This 14" high performance saw delivers straight, smooth cuts at twice the speed of our standard saw. Its quiet, clean, bench top design increases your cutting capacity without taking up extra space.

Includes our precision, true-machined flange for minimal blade run out and the ultimate in secure blade mounting.

Built with a fast fixed rate power feed to deliver cuts at 15 inches per hour. Double-sealed high performance bearings, a rugged 5" x 6-1/2" capacity vise, and threaded cross feed are all standard. Equipped with a 14" x 5/8" blade, 1/2 hp overload protected motor and blade sharpener. Requires 2-1/2 gallons of cutting oil. Base dimensions: 22" W x 32" L

(Allow 6 - 8 weeks for delivery)
Shipping weight: 170 lbs. in two boxes.
Box dimensions: 24" x 33" x 24"
(motor in separate box)
Shipped by Motor Freight Only.
#058-090 \$ 1,690.00

Precision Blade Mount!

We use a fixed, precision machined flange to minimize blade run-out and provide the ultimate in secure blade mounting.

Standard on LS12 and LSS14P.
Stainless steel shaft and flanges.



Lortone Premium Lapidary Cutting Oil

Low viscosity and proper lubrication to extend blade life and improve cutting. This oil has no smell, is less irritating, and cleans up easier. Recommended for all oil-based saws. 1 Gallon.
Shipping weight: 8 lbs.

#086-010 \$ 25.95



Blade Dressing Sticks

Keep your blade in top shape! Sharpen diamond blades and remove built up cutting glaze to expose new diamond edges for better performance. Aluminum oxide sticks are faster and more effective than using red brick or obsidian. Sticks are 4" x 3/4" in size. Package of 3.
Shipping weight: 1 lb.

#566-012 \$ 14.95



Blades - See Page 24

LS18

Perfect for commercial cutting operations as well as home workshops, this 18" slab saw is rugged, accurate, and economical.

Its front loading free-standing design allows it to go next to a work bench while the hinged hood makes loading and setup simple. Safety glass side window permits monitoring of the cut.

The frame, drive guard, and tank are constructed of heavy gauge welded steel for years of trouble-free performance. Slabs material up to 7" x 7" cleanly and easily. The feed rate is adjustable from 9-1/2 to 19-1/4 inches per hour by easily changing pulley ratios.

Standard features include: shutoff switch, threaded cross feed, 3/4" arbor, and 2" drain. Shipped complete, assembled, and ready to use with a high performance 18" x .125 x 3/4" blade, and 1/2 hp heavy duty overload protected motor.

Requires 3 gallons of cutting oil.

Dimensions: 22.25" W x 32.25" L x 40" (w/ hood closed)

Shipping weight: 225 lbs.

Shipped by Motor Freight Only.

Pallet Dimensions: 31" x 41" x 47"

#055-090 \$ 3,395.00

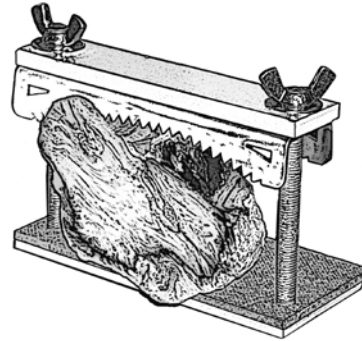


Proper accessories help make your saw perform better and last longer. Clamps increase the versatility of any saw vise and allow you to produce slabs down to the last end. Choose the right coolant for your saw to help get smoother cuts and longer blade life.

Gator Jaw

Solves those tough holding problems! Heavy stainless steel construction and custom tooth design for incredible holding power. Fits LS12 and LSS14P Slab Saws. Works best as an alternative to the stock top jaw. Shipping weight: 4 lbs.

#071-094 \$ 29.50



Small Clamp

A smaller version of our sturdy clamp. Sized to work well in trim and slab saws. 2-1/2" opening. Shipping weight: 1 lb.

#049-060 \$ 19.50



Large Clamp

The best way to hold large remnants or geode halves for slabbing. Machined aluminum jaws with two sizes of hold down grooves. Gold anodized for protection. 5" max opening. Shipping weight: 3 lbs.

#049-050 \$ 40.00



Lortone Premium Lapidary Cutting Oil

Low viscosity and proper lubrication to extend blade life and improve cutting. This oil has no smell, is less irritating, and cleans up easier. Recommended for all oil-based saws. 1 Gallon. Shipping weight: 8 lbs.

#086-010 \$ 25.95

Oil Additive

Long polymer hydrocarbons reduce blade friction and oil fogging. 16 fl. oz. bottle treats 5 gallons of petroleum based oil. Not for use with water soluble oils. Shipping weight: 2 lbs.

#086-020 \$ 10.90



Tool Cool

Use in trim saws when cutting with water to inhibit rust. Also great for drilling and with diamond wheels. Will not discolor stones and can be reused. An 8 oz. bottle mixes with 1 gallon of water.

Not recommended for use with slab saws or with blades larger than 8".

Shipping weight: 1 lb.

#563-001 \$ 6.90



Blade Dressing Sticks

Keep your blade in top shape! Sharpen diamond blades and remove built up cutting glaze to expose new diamond edges for better performance. Aluminum oxide sticks are faster and more effective than using red brick or obsidian. Sticks are 4" x 3/4" in size. Package of 3. Shipping weight: 1 lb.

#566-012 \$ 14.95

MK 303 Blades

Professional grade continuous rim blades for lapidary materials. The MK-303 produces smoother cuts and is used for cutting rare and valuable materials when waste must be held to a minimum and speed of cut is essential. The Professional series diamond blades last longer and will cut faster than ordinary notched-rim or plated-diamond blades. Sized by rim thickness.



<u>Dia.</u>	<u>Rim Width</u>	<u>Arbor Size</u>	<u>Ship Weight</u>		
4"	.020	1/2"	1 lb	#522-003	\$ 46.00
4"	.020	5/8"	1 lb.	#522-004	\$ 46.00
6"	.020	1/2"	1 lb.	#522-032	\$ 52.00
6"	.020	5/8"	1 lb.	#522-033	\$ 52.00
6"	.032	5/8"B1/2"	1 lb.	#522-039	\$ 56.00
8"	.032	5/8"B1/2"	1 lb.	#522-047	\$ 68.00
10"	.050	5/8"B1/2"	2 lbs.	#522-061	\$ 99.00
12"	.065	5/8"B1/2"	3 lbs.	#522-065	\$ 182.00
14"	.070	1"B3/4"B5/8"	5 lbs.	#522-071	\$ 207.00
18"	.085	1"B3/4"	8 lbs.	#522-080	\$ 326.00

Select the proper blade!

Choose the right blade for the type of cutting you do. Material properties, machine characteristics and coolant type will influence blade choice. Delicate trim work or valuable material requires thin blades. Use a thicker blade when material loss is not as important or where extra durability is required.

Select the proper coolant!

Make sure the coolant you choose is compatible with your equipment. If you're not sure, ask the manufacturer. Oil is the best coolant for long life and fast cutting, and is essential for slabbing large sections or hard material. Water offers reduced odor and easier cleanup than oil but at a loss of blade performance and life. Use water for oil-sensitive materials, thin sections, and soft materials.



Plated Rim Blades

Plating rim blades contain diamond bonded to the core along the entire cutting edge. They cut aggressively with less pressure and are good for expensive materials where it's desirable to keep kerf loss to a minimum. The thin cores mean these blades flex easily but can be damaged by excessive pressure. Not for slabbing or power feed saws.

DIA-LASER

A plated trim saw blade for fast, thin cuts. Stainless steel construction won't rust when used in water. Sized by core width and arbor size. Shipping weight 1 lb.

<u>Dia.</u>	<u>Core Width</u>	<u>Arbor Size</u>		
4"	.004	1/2"	#529-001	\$ 25.00
4"	.004	5/8"	#529-002	\$ 25.00
4"	.012	1/2"	#529-003	\$ 25.00
4"	.012	5/8"	#529-004	\$ 25.00
6"	.006	1/2"	#529-030	\$ 29.00
6"	.006	5/8"	#529-031	\$ 29.00
6"	.012	1/2"	#529-032	\$ 29.00
6"	.012	5/8"	#529-033	\$ 29.00
6"	.025	1/2"	#529-037	\$ 32.00
6"	.025	5/8"	#529-038	\$ 32.00
8"	.012	5/8"	#529-042	\$ 44.00
8"	.025	5/8"	#529-043	\$ 44.00

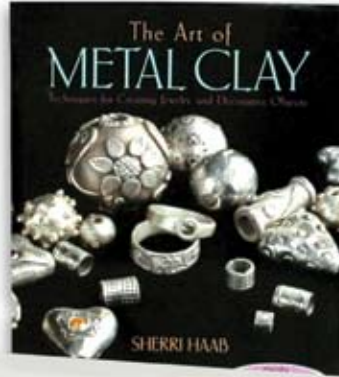
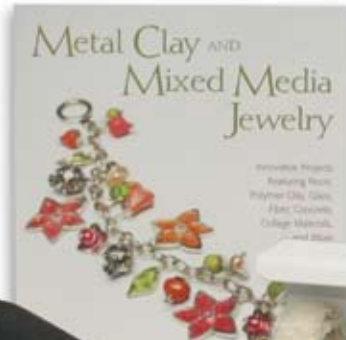
PRO-SLICER

An excellent trim saw blade for ultra-thin cuts. A continuous exposed layer of plated diamond cuts very aggressively. For use with oil or water. Sized by core width and arbor size. Shipping weight 1 lb, 2 lbs for 10" dia.

<u>Dia.</u>	<u>Core Width</u>	<u>Arbor Size</u>		
4"	.004	1/2"	#528-001	\$ 28.10
4"	.004	5/8"	#528-002	\$ 28.10
4"	.012	1/2"	#528-003	\$ 28.10
4"	.012	5/8"	#528-004	\$ 28.10
6"	.006	1/2"	#528-030	\$ 34.60
6"	.006	5/8"	#528-031	\$ 34.60
6"	.012	1/2"	#528-032	\$ 34.60
6"	.012	5/8"	#528-033	\$ 34.60
6"	.025	1/2"	#528-037	\$ 38.90
6"	.025	5/8"	#528-038	\$ 38.90
8"	.012	5/8"	#528-042	\$ 49.70
8"	.025	5/8"	#528-043	\$ 49.70



New!



3A Jewelry Tumbling Kit

Polish your Precious Metal Clay, Sterling Silver or Brass using our most popular single-barrel tumbler. The jewelry tumbling kit includes 1 lb of stainless steel shot mix. Holds up to 2 lbs. of jewelry. Base dimensions: 6" W x 9.5" L. Shipping weight: 6 lbs.

#081-096 \$ 105.00

Stainless Steel Shot

Rustproof jewelry tumbling mixture with a mirror polished surface. Includes flattened balls, diagonals & pins. Use with burnishing solution.

Shipping weight 1 lb net: 1 lbs., 5 lb net: 5 lbs.

1 lb. #592-037 \$ 28.50

5 lb. #592-038 \$ 128.00



Compact Jewelry Polisher

Polish your jewelry to a professional finish with the Lortone portable jewelry polisher. Comes complete with 1/15 hp motor, foot operated variable speed control to 5,000 rpm, 1/4" tapered spindles and accessory package.

Accepts up to 3" dia. buffs. (See pg. 29 for accessories) Base Dim. 12.5" W x 8.75" D x 6.5 H.

Shipping weight 10 lbs.

#080-093 \$ 149.00

Metal Clay & Mixed Media Jewelry

Metal clay starts as clay and turns into metal. Author Sherri Haab takes this compelling material, today's hottest craft item, to the next level, brilliantly combining it with other media ranging from the timeless to the unexpected. Sophisticated enough for artists yet simple enough for beginners, Metal Clay and Mixed Media Jewelry is the only book that blends metal clay with such a variety of mixed media to make magic. Shipping weight 1.7 lbs.

#580-087 \$ 21.95

The Art of Metal Clay w/DVD

The Art of Metal Clay is a comprehensive introduction to the medium designed specifically for crafters and jewelry-makers, detailing the essentials of working, firing, and finishing metal clay to create beautiful jewelry and decorative objects. Artist and instructor Sherri Haab demonstrates metal clay's remarkable versatility, showing how it can be textured, molded, carved, and sculpted to create gorgeous beads, bracelets, pendants, earrings, rings, and other jewelry settings.

Shipping weight 1.7 lbs.

#580-088 \$ 24.95



Tumble Polishing Silver - see our online instructions

OptiVISOR!™

The best made precision magnifier around. It improves vision and leaves both hands free. Padded headband with tilt visor adjusts to all head sizes and fits over glasses easily. Available in five levels of magnification. Replacement lenses available. Shipping weight 1 lb.



Model	Magnifies	Focal Length	Optivisor		Replacement Lens	
			Part #	Price	Part #	Price
DA-2	1 1/2 X	20"	#582-001	\$ 45.00	#582-012	\$ 27.40
DA-3	1 3/4 X	14"	#582-002	\$ 45.00	#582-013	\$ 27.40
DA-4	2 X	10"	#582-003	\$ 45.00	#582-017	\$ 27.40
DA-5	2 1/2 X	8"	#582-004	\$ 45.00	#582-014	\$ 27.40
DA-7	2 3/4 X	6"	#582-005	\$ 46.50	#582-015	\$ 28.80
DA-10	3 1/2 X	4"	#582-006	\$ 46.50	#582-016	\$ 28.80

Optiloupe

Attaches to Optivisors, and adds 2 1/2 power magnification.

Shipping weight 2oz.
#582-010 \$ 9.50



OPTI-PACK™ Hand Lens

Handy pocket magnifier in slide-out case.

Shipping weight 2 oz.
3x power #582-007 \$ 7.20
4x power #582-008 \$ 7.20
5x power #582-009 \$ 7.20



Jeweler's Hand Loupe

10x loupe with large 18mm double lenses for distortion-free viewing. Working distance is 1". Made in Japan.

Shipping weight 2 oz.
#582-030 \$ 15.00



Double Lens Loupe

Two lenses in a single loupe, 12x total. Front lens detaches when not needed. Working distance is 1 1/2" and 3/4". Made in Japan. Shipping weight 2 oz.

#582-011 \$ 8.00



Shop Apron

Invaluable for use in the shop, this heavy duty vinyl apron cleans easily and ties in back. Shipping weight 8 oz.

#550-040 \$ 5.80



Third Hand

Positioning work for soldering or gluing is made easier with the Third Hand. Choose from two styles, each with a heavy, non-tipping base. Shipping weight 2 lbs.

Double Third Hand #551-068 \$ 14.95
Single Third Hand #551-070 \$ 9.50



Stone Holders

Spring loaded with retractable wire jaws for holding gems or other small items for examination. Available in 3 or 4 prong. Shipping weight 2 oz.

3 prong, 5" length #551-076 \$ 2.80
4 prong, 5" length #551-077 \$ 2.80
3 prong, 2 1/4" length #551-078 \$ 2.50
4 prong, 2 1/4" length #551-079 \$ 2.50



Soldering Tweezers

Durable cross-locking tweezer features polished steel straight jaws. Heat resistant fiber grips hold work securely. Overall length is 6". Shipping weight 2 oz.

#551-072 \$ 3.70



Pocket Sliding Brass Gauge

Get accurate stone measurements. Features notched jaws for outside measurements, 1/10 vernier for accuracy and measure to 80 mm (3").

Shipping weight 2 oz.
#551-075 \$ 7.25



Deluxe Brass Gauge

Deluxe model offers metal under plate for quick, accurate stone measurements. Notched jaws, 1/10 vernier, measures to 80 mm (3").

Shipping weight 2 oz.
#551-074 \$ 8.25



Templates

A complete selection of compact aluminum templates for marking cabochons. Color anodized for easy identification with stamped markings in mm. Set of five, each measures 3" x 4".

Shipping weight 2 oz.
#549-010 \$ 9.00

Set Includes:
Cross, Small & Large Ovals,
Circles, Standard Coins
Squares and Rectangles



Scribes

Easily mark slabs for trimming. 1/16" diameter x 6" long. Package of six. Shipping weight 2 oz.

Aluminum #120-001 \$ 6.50
Brass #120-002 \$ 6.50



6" Flat Lap Machine

Manufactured by Inland, the SwapTop™ 6" Flat Lap, is an affordable 6" capping set up. Because of its unique low profile design, the SwapTop can be taken anywhere, but it will still pass muster on the workbench at home.

Water cooled system means no messy oil to clean up. 2800 RPM motor allows you to quickly finish the finest cabs possible. This machine includes (4) diamond disks plus a polishing pad, polishing pad and 2 master laps.

- (1) 170 Grit 6" Flat Lap (1) 325 Grit 6" Flat Lap
- (1) 600 Grit 6" Flat Lap (1) 1200 Grit 6" Flat Lap

#553-100 \$ 309.95



Diamond Disks

Replacement disks for the Inland 6" Flat Lap. Plated with the highest quality diamonds appropriate for hard mineral cutting. Shipping weight 1 lb.



- #553-106 100 Grit \$ 49.95**
- #553-107 170 Grit \$ 39.95**
- #553-108 275 Grit \$ 39.95**
- #553-109 325 Grit \$ 39.95**

- #553-110 600 Grit \$ 39.95**
- #553-111 1200 Grit \$ 39.95**
- #553-112 3000 Grit \$ 39.95**

Master Lap

6" solid acrylic backer for smooth operation. Shipping weight 1 lb.

#553-113 \$ 13.95

Polishing Pads

6" pads, 3 pack. Shipping weight 1 lb.

#553-114 \$ 15.95



Attack Epoxy Solvent

The preferred process for dissolving cured epoxy or polyester resins. Use to separate misaligned materials and clean cured resin from stones, metal, and glass.

Shipping weight 1 lb.
#588-024 \$ 12.50



Beacon 527 Cement

Multi-purpose cement for all materials. Flexible, transparent, and quick drying. Shipping weight small 2 oz.

#588-003 \$ 4.50



Opticon Fracture Sealer

A unique resin which, when warmed, penetrates deep and seals small fractures. Use on both polished and unpolished stone surfaces. Shipping weight 1 lb.

#588-022 \$ 21.50



Epoxy 330

Fast setting two component water clear epoxy hardens in about one hour. Great for bonding stone to metal. Shipping weight 2 oz.

#588-020 \$ 4.40



Dop Wax

Green #2 wax for general dopping. Has a strong grip and softens at 150° F. Each one pound box contains four 5/8" x 10" long sticks. Shipping weight 2 lbs.

#588-010 \$ 13.20



Dop Sticks

Sturdy, 5/16 dia. hardwood dop sticks, 3" long. Ideal for dopping stones. Each pack contains 24 sticks. Shipping weight 3 oz.

#550-011 \$ 8.30



Dop Station

A thermostatically-controlled ceramic heater for melting and keeping your dop wax at the perfect temperature along with built in storage for all your tools! Manufactured by Inland.

Shipping weight 1.3 lbs.

#553-120 \$ 32.95



Alcohol Lamp

Glass lamp for dopping stones. Lamp remains stable when tipped. Use with denatured alcohol. 3/16" cotton wick. Shipping weight 9 oz.

#550-025 \$ 7.50



Replacement Wicks

For Alcohol lamp, each. Shipping weight 2 oz.

#550-026 \$ 0.75

Designed for professionals, Olympic buffers offer matchless durability, value, and performance. Solidly constructed of heavy gauge steel & powder coated for long life, our polisher features built-in lighting for increased visibility, making work more productive and comfortable. Filter replacement and metal reclamation are simple with the removable hood.



Olympic 10

Keep your work area clean while not taking up a lot of bench space. The high efficiency axial fan and filter effectively captures residue and particles. Complete with 1/3 hp, 3450 rpm Baldor motor and 1/2" tapered spindles. For buffs 6" dia. or smaller. Measures 16" deep, 24" wide, and 12" high. Shipping weight 56 lbs., in two boxes.

#080-095 \$ 455.00

Replacement Filter

Pleated for better efficiency than fiberglass filters.

Shipping weight 2 lbs.

#265-001 \$ 8.30

Tapered Spindles \$ 9.80

Easy thread taper fits all straight shaft motors. Shipping weight 4 oz.

Shaft Dia.	Left Hand	Right Hand
1/4"	#280-011	#280-010
1/2"	#280-024	#280-025



Muslin

A good, economical buff. Muslin with shellac centers. Use with cutting and abrasive compounds. Shipping weight 4 oz.

Dia.	Ply	Rows		
3"	35	3	#510-010	\$ 1.70
4"	42	3	#510-011	\$ 2.10
6"	50	4	#510-013	\$ 5.40



Combed Finex Muslin

Closely-woven with shellac centers for strength. Produces high gloss when used with rouge. Ship weight 4 oz.

Dia.	Ply	Rows		
3"	45	3	#510-020	\$ 2.30
4"	50	4	#510-021	\$ 3.50
6"	60	6	#510-023	\$ 7.00



Yellow Treated Muslin

Resists fuzzing & separation to hold compounds better. With shellac center. Ship weight 4 oz.

Dia.	Ply	Rows		
3"	30	3	#510-040	\$ 2.70
4"	40	3	#510-041	\$ 3.95
6"	50	4	#510-043	\$ 8.50



Cotton Flannel

Soft buff with shellac center for use with rouge. Shipping weight 4 oz.

Dia.	Ply	Rows		
3"	30	3	#510-050	\$ 2.85
4"	30	3	#510-051	\$ 3.90
6"	30	4	#510-053	\$ 5.75



Brown Tripoli

A fine cutting abrasive for use on all metals where rouge will be used as a final polish. Leaves metals scratch-free, but dull in appearance. 3.5 oz. bar. Shipping weight 8 oz.

#270-001 \$ 3.80



Red Rouge

Used to produce the final high color and lustre on gold, silver and other soft metals. 5.4 ounce bar. Shipping weight 8 oz.

#270-002 \$ 4.75



Fabulustre Rouge Cloth

A double cloth with one side impregnated with jeweler's rouge, and the other side used for a final polish or to keep the user's hands clean. 9" x 11". Shipping weight 2 oz.

#550-027 \$ 6.90



Fabulustre

Used on all types of precious metals to remove light scratches. Produces a fast, mirror bright final finish without discoloration. Greaseless, leaving little or no residue for fast and easy cleanup.

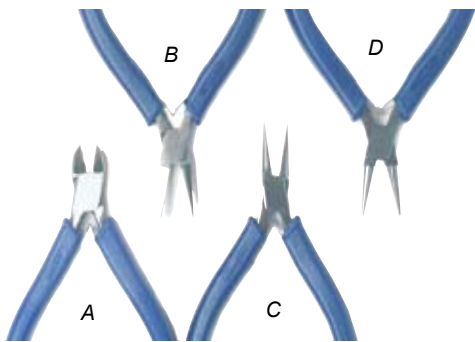
Size	Ship weight		
1/4 lb. tube	6 oz.	#565-010	\$ 5.50
1 lb. tube	2 lb.	#565-011	\$ 10.35

ZAM

Formulated primarily for silver and turquoise jewelry as a final polish. Will not scratch soft stones such as turquoise. Leaves a high luster without residue and cleans up easily.

Size	Ship weight		
1/4 lb. tube	6 oz.	#565-015	\$ 4.95
1 lb. tube	2 lb.	#565-016	\$ 9.95

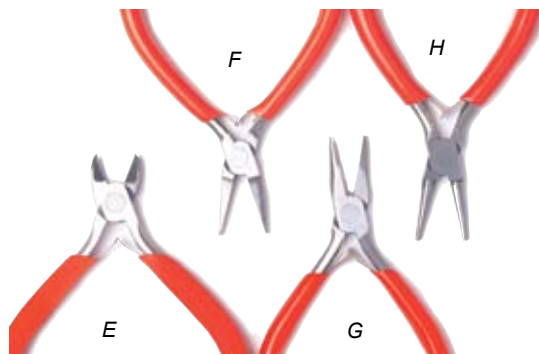




RELENTLESS PLIERS

Preferred by professionals for fine jewelry work. They feature non-slip ergonomic handles, dual leaf springs, and precision box joints. 4 1/2" in length. Made in Germany. Shipping weight 3 oz.

- (A) Side Cutter #551-064 \$ 29.50
- (B) Flat Nose #551-062 \$ 22.50
- (C) Chain Nose #551-060 \$ 22.50
- (D) Round Nose #551-058 \$ 22.50



MIRAGE PLIERS

Great quality and an economical price. Comfort-grip handles, leaf springs, and lap joints provide smooth action and long life. 4 3/4" in length. Made in China. Shipping weight 3 oz.

- (E) Side Cutter #551-056 \$ 6.70
- (F) Flat Nose #551-052 \$ 5.70
- (G) Chain Nose #551-050 \$ 5.70
- (H) Round Nose #551-054 \$ 5.70



Piercing Saw Blades

Special alloy steel for cutting all metals, bone, pearl. Packages of 1 dozen. Shipping weight 1 oz.

Size	Thickness	Width		
8/0	.0063	.0126	#550-041	\$ 5.10
7/0	.0067	.0130	#550-042	\$ 4.70
6/0	.0070	.0140	#550-043	\$ 4.05
5/0	.0080	.0157	#550-044	\$ 3.80
4/0	.0086	.0175	#550-045	\$ 3.30
3/0	.0095	.0190	#550-046	\$ 3.30
2/0	.0103	.0204	#550-047	\$ 3.30
1/0	.0110	.0220	#550-048	\$ 3.30
1	.0120	.0240	#550-049	\$ 3.30
1 1/2	.0125	.0250	#550-050	\$ 3.30
2	.0134	.0276	#550-051	\$ 3.30
3	.0140	.0290	#550-052	\$ 3.30
4	.0150	.0307	#550-053	\$ 3.30
5	.0158	.0331	#550-054	\$ 3.55
6	.0173	.0370	#550-055	\$ 3.80
7	.0189	.0400	#550-056	\$ 4.35
8	.0197	.0440	#550-057	\$ 4.95



Jewelers Saw Frame

Strongly constructed with flat steel frames, hardwood handles and thumb-screw locking devices. Imported. Shipping weight 8 oz.

#550-033 \$ 18.90



Stone Setting Pliers

Sturdy box joint, bright chrome plated. 4 1/2" long. Shipping weight 4 oz.

#550-004 \$ 15.80



Jarvi Ring Mandrels

Made in the USA of hardened, polished tool steel with knurled handles for a better grip. Engraved ring sizes from 1 to 16 in $\frac{1}{4}$ increments. They have a long, smooth taper to provide adequate work space and good balance.

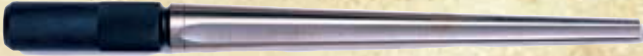


Ungrooved Ring Mandrel

The ideal tool for forming, sizing, and shaping ring shanks.

Shipping weight 2 lbs.

#552-011 \$ 29.95

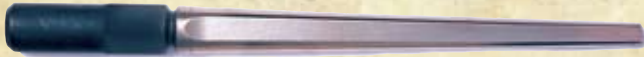


Grooved Ring Mandrel

Use when working on stone-set rings when the stone might be damaged on a standard ring mandrel.

Shipping weight 2 lbs.

#552-012 \$ 29.95



Flat-sided Ring Mandrel

Flat sided Ring Mandrel for forming, straightening or enlarging bezel set rings. Can also be used in place of a grooved mandrel for faceted stones. Sizes 1-16, 13.5" long.

Shipping weight 2 lbs.

#552-017 \$ 29.95



Ring "Stretcher"

Simple and economical tool for enlarging rings. Tapping the insert opens the mandrel and stretches the ring.

Not to be used on stone set rings. Shipping weight 1 lb.

#552-020 \$ 27.50

Needle File Sets

Remarkable quality and a great price.

#2 cut, 5 $\frac{1}{2}$ " in length.

Shipping weight 12, 6 oz., 6, 3 oz.

Set of 12 #551-066 \$ 13.50

Set of 6 #551-067 \$ 7.50



Needle File Handle

Universal plastic handle holds files with just twist of the ring. 3 $\frac{1}{8}$ " long. Shipping weight 2 oz.

#551-065 \$ 5.50



Ring Sizer

Accurate half sizes from 1-15.

Bright nickel finish.

Shipping weight 5 oz.

#550-083 \$ 12.50



Bezel Pusher

Grooved tip used for working bezels around stones. Shipping weight 2 oz.

#550-038 \$ 9.40



Bezel Roller

Half round head for rocking bezels into place.

3 $\frac{1}{2}$ " long. Shipping weight 2 oz.

#550-037 \$ 4.40



Prong Pusher

Flat tip made especially to push in the prongs against the stone in a setting. Shipping weight 2 oz.

#550-039 \$ 3.95



Curved Burnisher

Polished curved tip for finishing stone settings.

2" long. Shipping weight 3 oz.

#550-020 \$ 12.50



Straight Burnisher

Straight polished tip for smoothing and finishing stone settings. 2" long. Shipping weight 3 oz.

#550-021 \$ 12.50



Ring Clamp

For holding rings securely while filing, polishing, stone setting or other operations. 4 $\frac{1}{2}$ " long.

Shipping weight 4 oz.

#550-030 \$ 9.00



Rawhide Mallet

Finest quality shellacked rawhide.

Strong hardwood handle, 6 oz. head.

Shipping weight 1 lb.

#550-022 \$ 24.50



Estwing is the world standard in geology tools. Whether you're a casual gem hunter or a professional geologist, we carry the right picks and chisels. Choose from pointed tip or flat blade styles.



Pointed Tip Geologist Picks

Shipping weight 3 lbs.

- 14 oz. (E3-14P) #583-011 \$ 39.50
- 22 oz. (E3-22P) #583-012 \$ 40.90
- 22 oz. Long handle (E3-23LP) #583-018 \$ 45.30
- 22 oz. Leather handle (E30) #583-013 \$ 45.70



Chisel Edge Geologist Picks

Shipping weight 3 lbs.

- 12 oz. (E3-12PC) #583-014 \$ 39.10
- 20 oz. (E3-20PC) #583-015 \$ 39.30
- 24 oz. (E3-24PC) #583-016 \$ 41.60



Paleo-Pick

The new version of the classic Hoe-pick. Shipping weight 6 lbs. #583-010 \$ 80.20

Leather Sheath

Protects your picks and clothes. Top quality sewn leather with belt loop. Shipping weight 4 oz.

#3 Fits pointed tip picks

#583-005 \$ 8.10

#4 Fits chisel picks

#583-006 \$ 8.10



Safety Goggles

Protect eyes from flying particles and dust. Soft comfortable vinyl frame, clear impact resistant lens. Shipping weight 4 oz.

#583-001 \$ 4.15



Estwing Crack Hammers

Go with the best there is. Solid forged drilling hammers for use with chisels. Solid one-piece shafts have molded cushion grips to reduce fatigue during repetitive use.

B3-2LB

2 lb., short handle. Shipping weight 3 lbs. #583-022 \$ 36.30



B3-3LB

3 lb., short handle. Shipping weight 4 lbs. #583-023 \$ 36.30



B3-4LB

4 lb., short handle. Shipping weight 5 lbs. #583-024 \$ 40.90



B3-4LBL

4 lb., long handle. Shipping weight 5 lbs. #583-025 \$ 42.75



Estwing Rock Chisels

Cushion grip shafts and flared heads.

ERC-7

Broad splitting head, 2 1/2" x 7", 14 oz. Shipping weight 1 lb.

#583-029 \$ 16.00



ERC-8

For general splitting, 1 1/4" x 8", 16 oz. Shipping weight 1 lb.

#583-030 \$ 16.00



ERC-9

Gad Point for wedging and prying, 5/8" x 9", 22 oz. Shipping weight 2 lbs.

#583-031 \$ 17.20



ERC-12

Slender for narrow pockets, 1/2" x 12", 9 oz. Shipping weight 1 lb.

#583-032 \$ 12.00





Long Tip Geologist Picks

Shipping weight 2 lbs.

13 oz. (E3-13P) #583-008 \$ 32.80

13 oz. Leather grip (E13P) #583-009 \$ 37.80

Chipping Hammer

Combines chisel and pointed tip.

Pointed tip, 20 oz., polished (E3-WC).

Shipping weight 3 lbs.

#583-020 \$ 33.40



Steel Gold Pans

Traditional, economical, effective. Rolled 24 gauge steel.

Shipping weight 2 lbs.

12" #530-002 \$ 6.90

14" #530-003 \$ 7.40

16" #530-004 \$ 8.40



ESTWING™ Plastic Gold Pans

Easily carried and extremely durable.

Colors from Estwing vary from blue to black.

Rifflled, and rustproof. Shipping weight 1 lb.

12" #583-062 \$ 5.60

14" #583-063 \$ 7.90

16" #583-064 \$ 9.60



Vibratory Tumblers & UV Lights by Raytech

Vibrating tumblers polish by moving the media against the stone in a circular fashion. Compared to rotary tumblers, they won't round the corners as well but hold the overall shape of the stone better. Their open top design allows you to inspect the stones while in progress.

TV-5 Kit

Durable and simple to operate, the Tumble-Vibe 5 will process about 4 lbs of rock or 2 dozen ring castings. It works well for the beginner or experienced jeweler and has satisfied thousands of users.

TV-5 Starter Kit comes complete and ready to operate with a motorized base, an extra bowl, and all the compounds necessary for accomplishing the grinding step through the final polish step of most gemstones. Use one bowl for grinding and the other for polish to reduce the possibility of contamination. Shipping weight 17 lbs.

#551-037 TV-5 with stone finishing Kit \$ 144.95

#551-035 TV-5 tumbler (Base & 1 bowl only) \$ 104.95

Replacement Stone Finishing Kit

Designed for Agates and other hard stones. Will finish 8-10 lbs rock.

Stone finishing kit includes: Silicone Carbide (100/120), Silicon Carbide (700F),

Iolox 50, and Raybrite TL. Shipping weight 9 lbs.

#551-039 Stone finishing Kit \$ 26.95



Versalume by Raytech

The most versatile & powerful portable ultraviolet lamp on the market today. This popular portable lamp boasts 33% more UV output than competitive models and incorporates Raytech's exclusive lifetime filters.

Longwave & Shortwave! Model PP-FLS 4 full watts of UV power in a lightweight compact construction. Works with four "AA" batteries or the included 115V A/C adapter. Story of Fluorescence included. CE.

Shipping weight 2 lbs.

#551-040 PP-FLS \$ 89.95

#551-042 Story of Fluorescence Book \$ 2.95



LAPIDARY



Gemstone Tumbling Instructions

Explains principles of tumbling and gives directions for easy use of rotary tumblers. Includes many helpful hints and tips. Softcover, 21 pages. By LORTONE.

Shipping weight 2 oz.

#580-034 \$ 3.00

Introduction to Lapidary

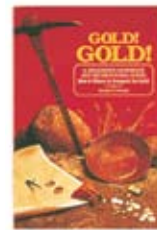
An authoritative introduction to rock tumbling, cabochon cutting, faceting, gem carving, and more by the former editor of Lapidary Journal. Discusses equipment, tools, and techniques necessary to get started the right way. Softcover, photos, and illustrations. By Kraus. 196 pages. Shipping weight 1.2 lbs.

#580-021 \$ 21.95

How to Tumble Polish Gemstones

Step by step instructions for turning rough stones into sparkling jewels. Includes tips on purchasing and using equipment and supplies. By Wexler. Softcover, large format, with photos and illustrations. 31 pages. Shipping weight 4 oz.

#580-019 \$ 5.95



The Rockhound's Handbook

An indispensable how-to-begin book for the novice and a handy reference guide for experienced collectors. Discusses equipment, mineral identification, and geology. By Mitchell. Softcover, photos, and illustrations. 184 pgs. Shipping weight 1 lb.

#580-023 \$ 15.95

Gold! Gold!

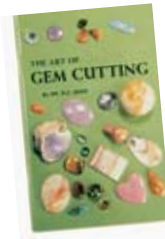
A beginning handbook and guide on how and where to prospect for gold. Tells the best ways to make prospecting pay off! By Petralia. Softcover, 143 pages. Shipping weight 9 oz.

#580-035 \$ 12.95

Illustrated Guide to Fossil Collecting

Useful pocket guide to collecting and displaying fossils. Lists many U.S. and Canadian site and exhibit locations. By Casanova & Ratkevich. Softcover, 240 pages. Shipping weight 7 oz.

#580-026 \$ 9.95



How to Use Diamond Abrasives

Make the switch to diamond abrasives easily. Includes sections on tools, tips and techniques. By Riggle. Softcover, large format, photos and illustrations. 30 pages. Shipping weight 4 oz.
#580-020 \$ 5.00

Story of Fluorescence

An explanation of ultraviolet fluorescence and a descriptive list of fluorescent minerals. From Raytech, Written by Wain. Softcover. 51pages. Shipping weight 4 oz.
#551-042 \$ 2.95

Facet Cutters Handbook

This book contains all the information needed to expertly facet a gemstone. Includes 22 beautiful cuts. By Soukup. Softcover, illustrated. 64 pages. Shipping weight 4 oz.
#580-013 \$ 5.00

The Art of Gem Cutting

Presents an in-depth look at techniques for capping, sphere-making, and faceting. Includes many useful tips and techniques. By Dake. Softcover, photos. 96 pages. Shipping weight 8 oz.
#580-016 \$ 5.50

Cabochon Cutting

Covers the basics in producing cabochons from slabbing and polishing to jewelry creation. By Cox. Softcover, illustrated. 64 pages. Shipping weight 8 oz.
#580-010 \$ 5.00

Advanced Cabochon Cutting

Explains the cutting of special shapes such as teardrops, crosses and hearts, and covers combined materials. By Cox. Softcover, illustrated. 64 pages. Shipping weight 8oz.
#580-011 \$ 5.00

INSTRUCTIONAL DVDS



Smithing Made Simple

Learn to make gold and silver jewelry, size your own rings and set your own stone. Award winning goldsmith gives 2 hours of awesome instruction. Watch and learn from the best. DVD, 120 minutes.
#581-001 \$ 59.95**

The Ancient Art of Gem Cutting

Step by step, learn to cut a round brilliant gemstone. This DVD is considered to be one of the best in it's class. Gemstone cutting and repair. DVD, 120 minutes.
#581-002 \$ 59.95**



Diagrams for Faceting, Vol. I

A great collection of 160 diagrams for faceting. Covers basic through advanced cuts. By Vargas. Hardcover, 166 pages. Shipping weight 1.7 lbs.
#580-042 \$ 30.00

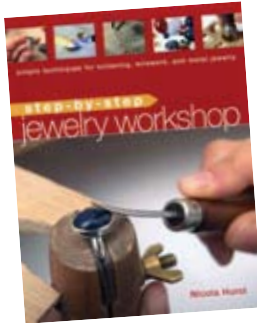
Diagrams for Faceting, Vol. II

Contains an additional 132 faceting diagrams of advanced and unusual cuts. By Vargas. Hardcover, 151 pages. Shipping weight 1.7 lbs.
#580-044 \$ 30.00

**DVDs are non-returnable if opened unless defective.

JEWELRY MAKING

New!

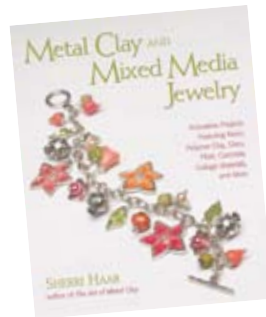


Step-by-Step Jewelry Workshop

The must have book for beginning artists! Step-By-Step Jewelry Workshop will guide you every step of the way from setting up your workspace and transferring designs to basic filing, sawing, and soldering skills. Diagrams give clarity for tricky stages, and there are examples of what can go wrong and how to fix the problem!

A comprehensive tools and materials section will familiarize the reader with how to choose metals and stones, select and store useful materials for this adventure in jewelry making, plus how to start a beginner's tool kit and the best way to store these items. Next, move into techniques and projects, from how to plan a simple design to how to transfer designs to metal; then how to pierce, file, solder, and pickle, plus clean your jewelry for that finishing touch. Other techniques include learning to use wire, making stone settings, and forging. All techniques are shown through detailed step-by-step photography. By Nicola Hurst. Softcover, 128 pages. Shipping weight 10 oz.

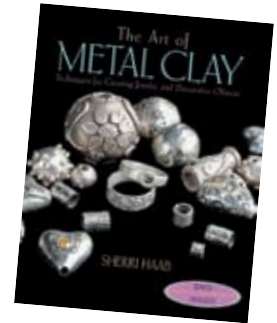
#580-089 \$24.95



Metal Clay & Mixed Media Jewelry

Metal clay starts as clay and turns into metal. Author Sherri Haab takes this compelling material, today's hottest craft item, to the next level, brilliantly combining it with other media ranging from the timeless to the unexpected. Sophisticated enough for artists yet simple enough for beginners, Metal Clay and Mixed Media Jewelry is the only book that blends metal clay with such a variety of mixed media to make magic. Shipping weight 1.7 lbs.

#580-087 \$ 21.95

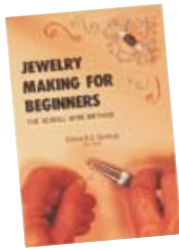


The Art of Metal Clay w/DVD

The Art of Metal Clay is a comprehensive introduction to the medium designed specifically for crafters and jewelry-makers, detailing the essentials of working, firing, and finishing metal clay to create beautiful jewelry and decorative objects. Artist and instructor Sherri Haab demonstrates metal clay's remarkable versatility, showing how it can be textured, molded, carved, and sculpted to create gorgeous beads, bracelets, pendants, earrings, rings, and other jewelry settings. Shipping weight 1.7 lbs.

#580-088 \$ 24.95





Jewelry Making for Beginners

An easy to learn method for fabricating soldered jewelry using the scroll wire method. Clearly detailed with photos and text. Learn jewelry crafting with little investment and no previous experience. By Soukup. Softcover, 49 pages. Shipping weight 4 oz.
#580-017 \$ 5.00



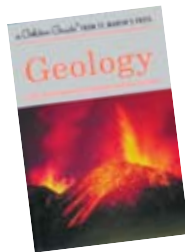
Lost Wax or Investment Casting

A how-to manual that shows assembly and use of equipment to make wax patterns, molds and castings for jewelry. By Sopcak. Softcover, 65 pages. Shipping weight 4 oz.
#580-014 \$ 5.00

Jewel Tree Making

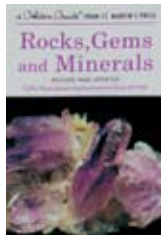
A step by step course in making jewel trees. Covers selection of materials, design, and construction. By LORTONE. Softcover, large format. 72 pages. Shipping weight 9 oz.
#580-032 \$ 4.95

ROCK AND GEM GUIDES



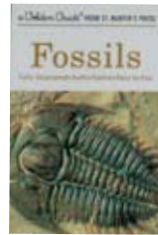
Golden Guide: Geology

Easy to use guide covering the earth's history from early formation to present. Includes glaciers, volcanoes, rocks and minerals. By Rhodes. Softcover, 160 pages. Shipping weight 5 oz.
#580-004 \$ 6.95



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Motors and Spare parts

1/3 HP Motor

110V/60HZ, 1725 RPM, Split phase, capacitor start.
Resilient mount, 48 frame, single 1/2" shaft, cord, and switch.
Clockwise rotation from shaft end. Manual reset thermal
overload. By Baldor.

Shipping weight 20 lbs.
#300-022 \$ 165.00



1/2 HP Motor

110-220V/50-60HZ, 1725 RPM,
capacitor start. 5/8" keyed shaft and
manual reset overload. Resilient 56 frame cradle mount.
Clockwise rotation from shaft end. Includes cord w/110V plug.
No switch. For LSS-14P only.

Shipping weight 23 lbs.
#301-008 \$ 230.00

1/2 HP motor wired for LS18 110V. Includes extra lead for switch.
LS18 shutoff switch must be ordered separately.

Shipping weight 23 lbs.
#301-005 \$ 230.00

1/3 HP, 3450 rpm Baldor motor for Olympic 10
Shipping weight 23 lbs.

#300-024 \$ 150.00

Gear Motors

4 RPM, 110V fits LS10, LS12

#301-051 \$ 60.00

7 RPM, 110V fits LSS-14P

#301-060 \$ 62.00



Drive Motors

1.5E (3 lbs.)

#301-021 \$ 21.00

3A, 33B, 3-1.5B, 45C (3 lbs.) #301-034 \$ 24.00

QT6, QT12, QT66 (5 lbs.) #301-030 \$ 55.00



Wheel Spacers

For correct spacing of wheels on arbors.

6061 machined aluminum.

3/4" ID x 1" OD.

Shipping weight 2 oz.



1/4"	# 105-002	\$ 1.70
3/4"	# 105-006	\$ 2.20
1"	# 105-008	\$ 2.30
1-1/2"	# 105-010	\$ 3.10
2"	# 105-013	\$ 3.50

Bearing Isolators

Molded rubber to reduce vibration.
Fits BA, NS8, Lu6x and MaxPro models
manufactured after Jan. 1, 2005.
Use with 200-006 bearing only.

#240-069 \$5.95



Bearings

Sealed ball bearing, hardened races with set screws,
extended inner race & dirt slinger with seal.

Fits All TS8, FS8, LS10 and LS12.

Also Fits BA, LU6X, NS8 and MaxPro
models manufactured after Jan. 1, 2005.

(Models manufactured 2004 and prior
also order 240-069 Bearing Isolator.)

Shipping weight 6 oz. ea.

#200-006 \$ 16.20



C-Series Bearings

#200-002 \$ 7.95

Stamped Steel Flanges

For saws or arbors. Precision ground on
both sides for flatness and plated for rust
prevention. Shipping weight 6 oz.

1-1/2" x 1/2	# 101-001	\$ 3.25
1-1/2" x 5/8	# 101-002	\$ 3.25
2" x 1/2	# 101-011	\$ 3.75
2" x 5/8	# 101-012	\$ 3.75
2" x 3/4	# 101-013	\$ 3.75
3" x 5/8	# 101-022	\$ 4.75
3" x 3/4	# 101-023	\$ 4.75



Pulleys

Cast aluminum, with setscrew. Larger sizes have keyways.
Shipping weight 6 oz.

1-1/2" x 1/2	# 211-001	\$ 3.55
2" x 5/8	# 211-006	\$ 3.65
2" x 3/4	# 211-007	\$ 3.65
2-1/4" x 1/2	# 211-009	\$ 4.20
2-1/2" x 1/2	# 211-013	\$ 4.20
2-1/2" x 5/8	# 211-014	\$ 4.20
2-1/2" x 3/4	# 211-015	\$ 4.20
2-3/4" x 1/2	# 211-017	\$ 4.20
3" x 5/8	# 211-019	\$ 4.80
4" x 3/4	# 211-031	\$ 6.60
7" x 5/8	# 211-072	\$ 10.90
7" x 3/4	# 211-073	\$ 10.90

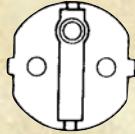


EXPORT MODELS

Selected models of our equipment are manufactured for export.
Small tumblers are all CE Marked. Not for domestic use.

Small Tumblers

3A 220V, 50/60 Hz, CE Marked	#001-092EU	\$ 86.50
33B 220V, 50/60 Hz, CE Marked	#004-091EU	\$ 123.00
3-1.5 220V, 50/60 Hz, CE Marked	#004-093EU	\$ 127.50
45C 220V, 50/60 Hz, CE Marked	#004-092EU	\$ 123.00



European CEE 7 plug
Standard



Australian / New Zealand
ETSA S/86 plug
available on request.

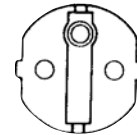


Great Britain
BS 1363 A plug
available on request.

Midsized Tumblers

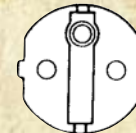
QT6 220V, 50 Hz, CE Marked	#006-090EU	\$ 187.00
QT12 220V, 50 Hz, CE Marked	#006-091EU	\$ 207.00
QT66 220V, 50 Hz, CE Marked	#006-092EU	\$ 222.00

Currently available with European
CEE 7 plug style only.



Commercial Tumblers

C20 220V, 50/60 Hz	#009-095EU	\$ 605.00
C40 220V, 50/60 Hz	#009-096EU	\$ 705.00
C20-2 220V, 50/60 Hz	#009-097EU	\$ 805.00
C100-12 220V, 50/60 Hz	#009-090EU	\$ 405.00
C200-12 220V, 50/60 Hz	#009-091EU	\$ 475.00
C300-12 220V, 50/60 Hz	#009-092EU	\$ 585.00



European CEE 7 plug
Standard



Australian / New Zealand
ETSA S/86 plug
available on request.

Trim Saws

FS8-C 220V, 50 Hz	#056-093EU	\$ 565.00
TS8-C 220V, 50 Hz	#051-092EU	\$ 605.00
TS10-C 220, 50 Hz	#059-093EU	\$ 705.00

Combination Machines

LU6X-130 220V, 50 Hz	#061-092EU	\$ 640.00
Max-Pro 8C 220V, 50 Hz	#044-091EU	\$ 935.00



Great Britain
BS 1363 A plug
available on request.

Slab Saws

LS12C 220V, 50 Hz	#053-093EU	\$ 1,300.00
LSS-14P 220V, 50/60 Hz	#058-090EU	\$ 1,700.00
LS18 220V, 50/60 Hz	#055-090EU	\$ 3,405.00

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LORTONE, Inc

12130 Cyrus Way, Mukilteo, WA 98275

Phone: 425-493-1600 • Fax: 425-493-9494

For the location of the nearest dealer, please call us at:
800-426-6773 or visit our website at WWW.LORTONE.COM

Billing Address:

Name _____

Address _____

City _____

State _____ Zip _____

Day Phone _____

Billing address must match the credit card billing address

Ship To Address:

Name _____

Address _____

City _____

State _____ Zip _____

Day Phone _____

We must have a street address. UPS cannot deliver to PO boxes

QTY.	Part No	Description	Price	Total

Merchandise will be shipped UPS Ground or USPS when appropriate.
(Please call for UPS 2nd Day or UPS Next Day rates.)

Merchandise Total	
Sales Tax: WA Residents add 9.5%	
Order Handling \$ 2.50 (Waived for merchandise total over \$75)	
Shipping & Insurance (from table)	
Total	

Please Check One:

VISA

MASTERCARD

Check or Money Order

Card No. _____

Signature _____

Exp. Date _____

3 Digit Code _____
(on back of card)

Shipping costs are estimates. Actual cost may be different.

Orders are shipped complete where possible. Backorder items under \$15.00 will be cancelled. Please call for availability.

HOW TO FIGURE SHIPPING CHARGES

- 1** Determine the weight of each package of your order.
Individually boxed items over 10 lbs are shipped as separate boxes.
- 2** FIND YOUR ZONE from the chart using the first three digits of your zip code.
- 3** Find the estimate shipping cost for your zone and enter it on the order form.

004-005 ... 8	540 ... 6	723 ... 8	803-805 ... 5	900-918 ... 5
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467-489 ... 8	594-599 ... 4	779 ... 8	838 ... 3	975-976 ... 4
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492 ... 8	669 ... 6	783-785 ... 8	850-859 ... 6	979 ... 4
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510-516 ... 6	712-714 ... 8	798-799 ... 6	889-893 ... 5	
520-539 ... 7	716-722 ... 7	800-802 ... 6	894-898 ... 4	

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	ZONES						
	2	3	4	5	6	7	8
2	7.09	7.40	7.86	7.98	8.39	8.54	8.85
4	7.27	7.84	8.45	8.77	9.18	9.40	10.05
6	7.68	8.28	9.26	9.92	10.64	11.31	12.70
8	8.20	8.52	9.46	10.18	10.90	11.93	13.52
10	8.58	8.72	9.67	10.45	11.36	12.78	14.44
15	9.53	10.21	10.64	11.70	14.42	17.37	19.98
20	10.45	11.82	12.35	14.29	17.98	21.62	25.32
25	11.73	13.63	14.51	17.04	21.74	25.94	30.92
30	13.19	15.33	16.83	19.81	25.64	30.22	36.61
35	14.34	17.09	19.09	22.60	29.71	34.49	42.12
40	15.53	18.86	21.28	25.39	32.81	38.78	46.43
45	16.61	20.56	23.36	28.19	36.00	43.06	50.58
50	17.52	22.01	25.15	30.68	38.60	47.35	54.69
55	18.42	23.03	26.72	32.88	40.96	50.34	58.82
60	19.32	24.26	28.25	34.77	43.10	51.98	61.83
65	20.17	25.45	29.73	36.28	44.77	53.58	63.71
70	20.99	26.80	31.22	37.36	46.31	54.99	64.81

Orders ...

Although we strive to keep prices effective for the life of the catalog, prices are subject to change without notice. Items will be invoiced at prices in effect at time of shipment. Please verify current pricing when placing an order.

We take great care in packaging your order. Please inspect all merchandise upon receipt and call us promptly if there are any damages or shortages. In case of damage, you must file a claim with your carrier immediately. Keep damaged goods, containers and packaging for inspection by the carrier. Lortone is not responsible for carrier damage.

All correctly shipped orders returned for any reason other than defective merchandise will be subject to a 20% restocking charge. Pre-authorization is required before returns will be accepted. Notification must be within 30 days of our original ship date. Items must be returned unused, in original packaging and undamaged. Please include a copy of the invoice and brief note of explanation with the return.

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We maintain an extensive inventory of parts and supplies for all our equipment and in many cases we can repair even very old units. Repair time varies depending upon the problem. Estimates are gladly given but usually require inspection of the unit. When shipping a machine for repair, be sure to include a description of the problem as well as a telephone number and address. If you have a machine in need of repair or refurbishment, please call customer service for instructions at (425) 493-1600.

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Much of our equipment is available for export and can be configured for operation on 220V/50Hz. Some models are CE marked. Please call for specific information. Shipping and customs arrangements are the responsibility of the customer.

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Hours of Business ...

We are open Monday - Friday 8:00 AM - 4:00 PM PST

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Phone orders 1-800-426-6773

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12130 Cyrus Way

Mukilteo, WA 98275-5700

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