



Books

Descriptions of Gem Materials, Vargas

Includes all of the known characteristics, both physical and optical, for more than 450 materials; the common, the rare, the unusual. Separate sections for natural and synthetic. Soft cover, 159 pgs. **Item #: 42-058 \$ 23.95**

Diagrams for Faceting, Vargas

These are collections of designs for faceting with a variety of difficulty levels-

Item #: 42-054	Diagrams for Faceting, Vol. 1: 100 diagrams	\$ 30.00
Item #: 42-056	Diagrams for Faceting, Vol. 2: 152 diagrams	\$ 30.00
Item #: 42-057	Diagrams for Faceting, Vol. 3: 130+ diagrams	\$ 30.00

Facet Design Series, Long & Steele

These books make it easy for the faceter to cut fancy shapes. They include a lot of valuable supplemental information.

Item #: 42-059	Facet Design Vol. 1- Ovals	\$ 11.95
Item #: 42-060	Facet Design Vol. 2- Navette	\$ 11.95
Item #: 42-061	Facet Design Vol. 3- Hearts	\$ 11.95
Item #: 42-062	Facet Design Vol. 4- Rectangle	\$ 11.95
Item #: 42-063	Facet Design Vol. 5- Rounds	\$ 11.95
Item #: 42-065	Facet Design Vol. 6- Barions	\$ 11.95
Item #: 42-066	Facet Design Vol. 7- Antique	\$ 11.95

Introduction to Meetpoint Faceting, Long & Steele

For novice and experienced faceters- faceting terminology and techniques.

Item #: 42-064 \$ 13.95

Facet Cutter's Handbook, Soukup

This book contains everything one needs to know in order to Facet gemstones expertly. Includes twenty-two beautiful designs. 64 pgs. **Item #: 42-070 \$ 5.00**

Gem and Lapidary Materials, Zeitner

For cutters, collectors, and jewelers- a complete handbook of common materials used in the lapidary arts, illustrated with photographs. This book has over 300 pages of info: descriptions of various gems, their localities, history, and most entries have some general tips on how to work and/or polish the stones. This book is one of the best of it's type. **Item #: 43-159 \$40.00**

Gemstones Of The World, Schumann

This is the most complete book published on this subject. All known gemstones types are discussed, and over 1,500 full-color photos showcase each gemstone in both its natural and its polished and cut renditions. An essential reference for hobbyists, jewelry makers, & rockhounds. Hardcover, 272 pgs. **Item #: 43-080 \$ 24.95**

Field Geology Illustrated, vol. 2

Written by Terry Maley, the Second Edition primarily focuses on the recognition, interpretation, and description of geologic features and structures in the field. This is accomplished with 682 photographs and almost 300 interpretative sketches appearing in 869 figures.

With more than 700 pages covering all aspects of field geology, this comprehensive book presents much material on surface processes in addition to the conventional bedrock geologic topics.

This is a must have for rockhounds, miners, and anyone interested in geologic processes. Softcover edition **Item #: 43-050-2 \$ 35.00**

GPS Guide to Western Gem Trails, Kelty

Find the exact location using your GPS to over 1,360 sites for the western states, and expanded to include Texas. A Major Waypoints section is also included for major cities and junctions with county, latitude and longitude listed. Lists of national parks and monuments, places of special interest, government agencies, rock and mineral societies, and a comprehensive index make this an indispensable tool for GPS users. Includes site maps and precise GPS coordinates. 292pgs. Softcover. **Item #: 43-125 \$19.95**

Gem Trails of Oregon, Mitchell

This completely revised edition reflects numerous changes. Site descriptions have been updated and expanded. 25 completely new locations containing 40 collecting sites have been added. From agate to zeolite, this definitive guide to collecting sites throughout Oregon highlights the natural treasures of the state.

Item #: 43-110 \$14.95

Roadside Geology of Washington, Alt & Hyndman

Informative travel companion about roadside terrain and geology with photos, diagrams, and glossary. 290 pgs. **Item #: 43-240 \$20.00**

Coast to Coast Gem Atlas, Johnson

Overview maps of gem finding locations throughout the continental U.S. Includes site information and local rock shops. 59 pgs. **Item #: 43-020 \$11.50**

Fee Mining and Rockhounding Adventures in the West, Monaco

This unique guide will direct you to a wide variety of "fee & free" rockhounding and mineral adventures throughout the western states. 100 collecting locations plus 153 museums, caves, points of interest, fairs & festivals.

Item #: 43-045 \$15.95

**We offer many books not listed here-
call or visit our website for additional titles!**

Facet Shoppe:

(360) 443-6313

P O Box 534 Burley, WA 98322

October 25, 2011

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Faceting Laps

Generic Diamond Laps

These are typical laps, a metal lap topper permanently bonded to an aluminum backing plate. They are ideal for faceting, cabbing, intarsia, and any other type of lapidary grinding. The quality is excellent; they are flat and long lasting.

These are very aggressive when new- use caution! Use the 100 & 180 for preforming very large stones. Use the 260 and/or 360 for quick stock material removal for jewelry-sized stones. Use 600 for general facet cutting. Use either 1200 or 1500 for prepolish. NOTE: the generic 1500 is comparable to a typical US made 1200. And, yes, we are using these laps here at the Facet Shoppe!

GL6-100	6"	100	\$ 45.00	GL8-100	8"	100	\$ 53.00
GL6-180	6"	180	\$ 43.00	GL8-180	8"	180	\$ 51.00
GL6-260	6"	260	\$ 39.00	GL8-260	8"	260	\$ 49.00
GL6-360	6"	360	\$ 39.00	GL8-360	8"	360	\$ 49.00
GL6-600	6"	600	\$ 36.00	GL8-600	8"	600	\$ 45.00
GL6-1200	6"	1200	\$ 36.00	GL8-1200	8"	1200	\$ 45.00
GL6-1500	6"	1500	\$ 36.00	GL8-1500	8"	1500	\$ 45.00

Raytech NuBond

NuBond is the outstanding pre-polish lap. A NuBond lap requires little if any break-in to produce smooth finishes. Compared to an electrobond lap, it will scratch less and will cut more consistently over a longer service life.

Multilayer NuBond laps have a higher concentration of friable, self-sharpening diamond bonded directly to a solid aluminum backer. NuBond laps are precise and true running, lightweight, and corrosion resistant.

IMPORTANT- To replace an electrobond lap, select a NuBond which is one grit coarser than the electrobond- Even though coarser, NuBond will scratch and chip less and, most important, it will still be cutting steadily after the electrobond slows to a crawl.

50-073	6"	325	\$ 106.40	50-083	8"	325	\$ 132.05
50-074	6"	600	\$ 106.40	50-084	8"	600	\$ 132.05
50-075	6"	1200	\$ 106.40	50-085	8"	1200	\$ 132.05

Raytech Dimafast P

This is the longtime favorite among cutters for general use. These high-quality electrobonded laps give good performance in the coarse grades, and provide a fine prepolish in the finer grades, All Raytech laps are solid aluminum and precision ground to assure flatness.

50-018	6"	100	\$135.00	50-026	8"	100	\$199.00
50-019	6"	180	\$104.00	50-027	8"	180	\$132.00
50-020	6"	260	\$ 96.00	50-028	8"	260	\$112.80
50-021	6"	600	\$ 78.00	50-029	8"	600	\$100.00
50-022	6"	1200	\$ 89.00	50-030	8"	1200	\$112.00

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Crystalite Standard Disc

These discs are used by commercial cutters worldwide and are excellent for faceting. The Standard is designed to exceed the most rigid requirements. The aluminum backs are ground flat and parallel to exacting standards. Additionally, all Standard discs are made with 100% diamond and bonded with a hard electroplated nickel. This uninterrupted surface will allow you to handle larger work pieces.

c530-123	6"	180	\$ 136.00	c530-141	8"	100	\$ 247.00
c530-125	6"	260	\$ 124.00	c530-143	8"	180	\$ 170.00
c530-127	6"	360	\$ 117.00	c530-145	8"	260	\$ 146.00
c530-129	6"	600	\$ 102.00	c530-147	8"	360	\$ 139.00
C530-131	6"	1200	\$ 117.00	C530-149	8"	600	\$ 130.00
C530-135	6"	3000	\$ 132.00	c530-151	8"	1200	\$ 138.00
				c530-155	8"	3000	\$ 178.00

Crystalite Steel Disc

They are absolutely flat and parallel to meet the most exacting faceting requirements. Additionally, these discs have a corrosion resistant copper undercoating. A 1/2" arbor hole is standard.

c530-213	6"	180	\$169.00	c530-233	8"	180	\$176.00
C530-215	6"	260	\$142.00	c530-235	8"	260	\$153.00
c530-217	6"	360	\$124.00	c530-237	8"	360	\$141.00
c530-219	6"	600	\$112.00	c530-239	8"	600	\$134.00
C530-221	6"	1200	\$123.00	C530-241	8"	1200	\$140.00
c530-225	6"	3000	\$158.00	c530-245	8"	3000	\$175.00

Raytech Dimafast F

The preferred electrobond diamond disc for preforming and cutting in large facets. The channeled construction provides exceptionally fast cutting action while improving coolant flow and swarf removal. Use Dimafast F when heavy cutting or fast cutting is desired.

50-041	6"	260	\$ 96.00	50-046	8"	180	\$132.00
50-042	6"	360	\$ 87.00	50-047	8"	260	\$113.00
50-043	6"	600	\$ 78.00	50-048	8"	360	\$106.00
50-044	6"	1200	\$ 88.00	50-049	8"	600	\$100.00
				50-050	8"	1200	\$110.70



Polishing Laps

These are laps used in polishing, though some of these are multi-purpose, and can be charged with coarser grits to be used as faceting/prepolishing laps.

BATT^(tm) Lap

A good, solid, cast tin alloy prepolishing and polishing lap. This hard tin alloy allows the casting to be rigid enough to serve as a solid lap, without bonding to a baseplate or being excessively heavy. It provides sharper meets and higher speeds than are possible with laminated laps, and does so without the use of toxic metals such as lead and cadmium. The new BATT[™] alloy is now used by hundreds of experienced and beginning gemcutters. Being solid castings, finished on both sides, BATT[™] laps are more versatile than the one-sided laminated laps.

They may be resurfaced many times, to provide years of use!

BATT-6: 6" BATT Lap \$ 82.00

BATT-8: 8" BATT Lap \$ 132.00

BA5T: The "Supercharged" BATT formula! Polishes faster, flatter, and better than the original BATT. Due to casting requirements, this is an extra-thick lap that contains much more metal than the standard BATTs, so it does cost more, but will outlast any polishing lap with proper care.

BA5T-6: 6" BA5T Lap \$ 122.00

BA5T-8: 8" BA5T Lap \$ 182.00

DARKSIDE[™]:

The DARKSIDE[™] is a lightweight lap, made of the specially developed material coated onto an aluminum baseplate, then machined both sides for flatness. For its thickness it is surprisingly rigid.

Like all Gearloose laps, the polishing mechanism relies on surface complexity for polish retention, and lubricity for reduced heating and higher polishing efficiency.

The Darkside[™] is a RESURFACABLE LAP. Within reason, if a lap jam does not destroy the lap, you get another chance or two; the Darkside can be resurfaced.

This is an exceptional value for a general purpose polishing lap. It can be used with diamond or oxides, and it produces a quality finish quickly.

DS-6": \$65.00 DS-8": \$85.00 DARKSIDE PRO: 8" double thick: \$135.00

GREENWAY[™]: the newest BATT relative!

A permanently charged chrome oxide polishing lap! Use with a water drip as is, or you can add oxide or diamond polishes on the lap for extra versatility. It works on a wide variety of materials, and since the polish is imbedded in the lap, scratching problems are greatly reduced

GREENWAY 8": \$95.00 GREENWAY 6": \$75.00

GREENWING VERSION OF BATTWING: (see below) 8" \$168.00 or 6" \$115.00

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BATTWING™

THE prepolish/polish lap combination: BATT™ on the outside, and a DARKSIDE inner ring. The only rule is to use the same care you use when switching laps. I suggest that people who have not yet gained actual use experience on both BATT and Darkside should probably buy a BATT and a Darkside, because the two materials have differing charging and preparation methods, and learning both at the same time on one single lap could be confusing. **The real savings is TIME: On Every Stone.**

BATTWING 8": \$ 168.00

BATTWING 6": \$115.00

Wizard Lap by Dick Walker

The Wizard polishing lap is the result of several years of experimentation by Dick Walker of Walker Gem Services. It is a very hard thermoplastic that has no abrasive fillers to cause problems during polishing. It is a thin disc (about 1/8" thick) with a 1/2" arbor hole; it is intended to be placed on a master lap when in use. The hardness of the material means it does not "take a charge" like most polishing laps. You can clean one type of oxide polish from the surface with detergent and a green pad, and switch to another type of oxide polish to match whatever type of material you happen to be polishing. These laps come pre-scored, ready for use.

We have been using them with DW-Suspension on garnet, tourmaline, and spinel with excellent results. With 99.9% pure Cerium Oxide, they work well for quartz, beryl, feldspar, etc. They can also be used with diamond. Instructions included.

DW-001 6" Wizard Polishing Lap \$ 16.00

DW-002 8" Wizard Polishing Lap \$ 25.00

Tin Lap

A favorite used with a variety of oxide polishes for finishing a range of gemstones. The Raytech Tin Lap has a heavy layer of pure rolled tin laminated to a Raytech Master Lap and turned true. Can be used with Alumina A, Cerium Oxide, Tin Oxide, or diamond.

49-007 6" Raytech \$ 98.00

49-008 8" Raytech \$ 129.00

Master Lap

A precision ground composite Master Lap used to back up UltraLaps, Wizard laps, Dyna Disks, and thin polish or grinding discs. Manufactured to exact precision; flat and parallel within TIR .001

Am-12-019 6" \$ 20.00

Am-12-025 8" \$ 25.00

Fast Lap (Raytech)

A most versatile polishing lap especially useful with diamond polishes. Fine metal particles embedded in a tough resin binder provide the diamond holding properties of metal with the grooving resistance of a reinforced resin structure. Effective when used with diamond spray and/or oxide polishes.

49-027 6" Raytech \$ 95.00

49-028 8" Raytech \$ 117.00

UltraLap

A fast, clean and simple way to polish facets. UltraLap is a thin polyester plastic sheet, precoated with the polish. It can be run at higher speeds because the polish is bonded in place. UltraLap will often solve scratching problems. Plain UltraLap is held to the Master Lap by a water film.

36-080 6" Spectra \$14.95

36-098 8" Spectra \$ 17.95

36-082 6" Cerium \$ 9.75

36-090 8" Cerium \$ 13.95

36-084 6" Tin \$ 8.95

36-092 8" Tin \$ 11.95

36-086 6" Alumina \$ 8.95

36-094 8" Alumina \$ 11.95



Lapidary Polishes

Alumina Suspension polish

Created by Dick Walker of Walker Gem Services in Oregon. Old timers may remember the DW polishes: Linde aluminum oxide polishes repackaged in the DW special slurry formula. This is a similar product, but Dick makes a thicker slurry that always keeps the polish in suspension while in the bottle- the amount of polish per drop remains constant. It is very closely graded for the most effective polishing- more expensive than other alumina, but worth it. The Alumina Suspension polishes come in handy bottles with convenient pop-up spouts for easy, no mess dispensing.

DW-010: 4-oz. Bottle- \$12.95
DW-011: 16-ounce bottle- \$49.95

Cerium Oxide Pure

Optical grade cerium oxide is highly recommended for all facet polishing where cerium oxide is suitable. It is effective on quartz, beryl, sunstone, Cristinite, and many other gemstones.

We recommend a 1200 prepoly (our preference is NuBond or Dyna Disk 1200) to smooth the surface before polishing to help obtain a high quality finish in a minimum of time.

37-006a 2 oz. \$ 7.20
37-006b 1/2 lb. \$ 25.20

Facet Shoppe Diamond Powder

Closely graded, synthetic diamond for polishing in economical 5 ct vials.

FSdia-1: 1/4 mic/100,000 \$ 10.00 FSDia-2: 1/2 mic/ 50,000 \$ 10.00
FSdia-3: 1 mic/ 14,000 \$ 10.00 FSDis-5: 6 mic/ 3,000 \$ 10.00

Italdo Diamond Spray

High quality diamond spray for all lapidary uses.

It-1-spray: 1/8 mic/200,000 \$10.50 It-2-spray: 1/4 mic/100,000 \$ 9.50
It-3-spray: 1/2 mic/ 50,000 \$ 9.50 It-4-spray: 1 mic/ 14,000 \$ 9.50
It-6-spray: 6 mic/ 3,000 \$10.50

The BATTSTIK™ Oxide Polish Charging Stick

Touch the BATTSTIK™ to the rotating lap, move outward to flow melt the water soluble base, forming a thin uniform film on the lap. Turn on a SLOW water drip or light mist, creating a slurry film right on the lap. Reduces waste and mess!

Available in Alumina A, Cerium Oxide, & chrome oxide. **Sold in set of 3: \$ 45.00**
Cerium and Alumina: \$ 15.00 each Chrome Oxide: \$ 20.00 each

DiaStik diamond polish by Gearloose

This is diamond in a special dry lubricant in a chap stick dispenser; clean and easy to use, and a little goes a long way!

3k, 14, 60k, 100k, & 200k: \$30.00 each

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Lapidary Supplies

Alcohol Lamp

Used for dopping stones and also for heating wax working tools; wick adjusts with thumb wheel. Faceted base for stability in several positions.

32-034 \$ 10.95

Dressing Sticks

Sharpen Crystalite metal bond diamond discs, wheels, diamond saw blades, knives, and many other tools with these sticks. They come in a set of 2; one for coarse laps, one for fine laps.

c543-110 \$ 23.63

Diamond Dop

This is the high performance tenacious wax used by diamond cutters. Resists flow under pressure. Will often hold stones for preforming when any other wax will fail. Softens at 175 degrees F. 32-005 \$11.00

Facet Wax

This brown wax is an exceptionally adhesive high shellac content dop wax preferred by many faceters. Softens at 145 degrees F. Each pack contains four sticks 3/8" square x 4" long. 32-004 \$ 9.00

High Temperature Black Wax

This popular black formulation is a.k.a. "Bankers #6" and "Jewelers Cement". Softens at 170 degrees F. Four 5/8" sq. x 10" 1/4 lb. sticks per 1 lb. Package.

32-003 \$ 13.00

Gem Boxes

These are glass-topped white plastic gem display boxes. They are slightly over 1.5" square (about 40 mm) and about 1/2" deep, w/white foam insert.

S101a- each \$ 1.00 S101- 16-pack: \$ 13.60

We carry FACETING MACHINES, COMPACT ULTRAVIOLET lights and other items that are not listed in this catalog so, Check out our website or give us a call for specifics.

OptiVISOR:

Optivisors are the most popular working magnifier ever. Optivisors are great for jewelry work, faceting, and any application where convenient magnification is desired. Optical polished glass lens- Leaves both hands free- Tilts up when not in use- Adjusts to all head sizes- Leather comfort band

DA-5: #5- (2.50X) 8" focal length \$ 34.95

DA-7: #7- (2.75X) 6" focal length \$ 34.95

OptiLoupe

Mounts on Optivisor for an additional 2.5X magnification; easily swings out of the way when not in use. **DA-loupe: \$ 8.95**

10X LOUPE

Pocket loupe with convenient carrying case; 18 mm, 10X magnification. \$ 19.95

GEM SET PLIERS

Easy Mount Gem Set Pliers feature:

10 to 1 Lever Ratio: better control of pressure and jaw travel.

Adjustable Jaws: Fast adjustment to any size setting is a plus!

Parallel Closing Jaws: eliminate the "push out" effect of conventional pliers.

Limited Travel Stop: they close only as much as necessary to bend the prongs. You can set the most delicate stone with less fear of breakage.

\$ 29.95 each

Electric Hot Dop

The Raytech Hot Dop features an anodized aluminum base with a new built-in longer life cartridge heater. It is smaller yet provides a greater warm up area and a large wax well than our previous models. **31-098 \$52.95**

Lap Storage Container

A contamination free container for either 8" or 6" laps. Protect your investment in expensive polishing and cutting laps with these heavy gauge, ridged stackable containers. \$ 6.95

Lap Rack: Nylon Coated Aluminum Prevents damage to lap. Rack holds up to six laps. **31-001 \$24.95**

Brass Pocket Calipers-

Brass "Pocket" Calipers measures in millimeters, very handy. High precision 2-1/2" scale; graduations in 1/8 in and 1.0 mm. Vernier scale reads to 0.1 mm. Made in Germany.

926-114 \$10.95

Dial Calipers-

This easy-to-read caliper quickly and accurately measures the inside or outside dimensions of either mountings or stones. Read in 1/10 mm and is accurate to +/- .05 mm. This caliper is made of tough polymid plastic, is smooth operating and corrosion-resistant. 0-150 mm. **68-011 \$34.95**