



MAPLE & BASS

CREATE • CUT • CARVE



"Eskimo Curlew"

by Cam Merkle
Oil on Tupelo

Photo ©2019 Cam Merkle

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Check out mapleandbass.com for the latest in new products and current pricing

The screenshot shows the Maple & Bass website interface. At the top left is the logo with the text 'MAPLE & BASS CREATE - CUT - CARVE'. To its right is a search bar with the placeholder text 'Search...'. Below the logo and search bar is a navigation menu with links for 'Home', 'Power Carving', 'Carving Supplies', and 'Contact Us'. A large banner features the logo and the text 'A New Name in Carving Supplies 35 Years Experience'. Below the banner is a photograph of various carving tools and equipment on a workbench. To the right of the banner, the heading 'Create Cut Carve' is followed by a paragraph: 'Maple and Bass carries a large selection of tools for crafters and hobbyists of all levels. Run by Cam Merkle, Maple and Bass is committed to providing the best advice possible, so drop us a line or email us. We want to share knowledge and get people Happy Carving.' At the bottom right of this section is a red button with the text 'Foredom Flex Shaft Tools'.

This advertisement features several products. On the left, the 'SABURRTOOTH' logo is displayed vertically, with the tagline 'SUPERIOR POWER CARVING TOOLS'. Next to it are four circular saw blades in orange, green, yellow, and purple, each with a different serrated edge. In the center, there are four hand-carved wooden pieces with colorful, spiky, ball-like ends in blue, purple, and blue. To the right, the 'MANPA' logo is shown with the slogan 'Carve Your Life' and a collection of various carving tools including chisels, gouges, and a power tool. Below these tools are four tubes of 'JOSONKA' wood preservative in different colors: purple, teal, yellow, and red. In the foreground, there are several pieces of raw wood, including a large circular cross-section of a log and several rectangular blocks of wood.

We carry
Butternut, Bass
and Tupelo

Welcome to the first Maple and Bass Catalogue! This catalogue is the continuation of a journey that started back in 1984 when several local people convinced me to teach them how to carve birds. I was working full-time in the photo industry - starting in retail and later designing, installing and maintaining photofinishing equipment along with occasionally training school teachers in darkroom instruction. In 1988 I left my day job in the photo world to carve birds for a living (who does that?). I still love photography (I have over 100,000 bird photos in my digital database), but I love carving birds even more. When I started teaching bird carving I needed a reliable supply of things like eyes, study bills, cast feet, books, paint and brushes, not to mention all of the tools a bird carver needs (and wants). So I started bringing in a modest inventory of tools and supplies. One thing led to another and before I knew it I had the makings of a small store.

I focused only on top-quality tools and supplies - products that deliver and don't disappoint. Over the years I've tried to always source the best products possible. Every product in this catalogue and on our website still follows that model. Some of the items may come with a higher price tag, but I've found that these "premium" products invariably represent the best value over the long run. A great example is the solid carbide stump burs and Zirconia cutters on pages 23 & 24. They're not cheap, but they will outlast a regular stump bur or high-speed steel bur by at least 10-20 times. Do the math and you'll find that they are your most economical cutter in a cost-per-hour of operation. All of the power tools we carry are industrial quality - meaning they are worth servicing if they ever stop working or start to wear out. We carry a full inventory of service and repair parts for all of the micromotors, Foredom tools and airbrushes, and we can service them if needed as well.

We pride ourselves in our knowledge of each and every product we carry, and are always happy to discuss your needs and offer advice on which products may suit you best.

Finally, a lot of people have been asking why the change from Razertip to Maple and Bass? Several years ago a decision was made to transition Razertip Industries to my son, Brad. He has taken over Razertip and will be concentrating on all of the amazing products they manufacture. It was time to make the carving supply division into a separate company - Maple and Bass Enterprises Inc., which I will continue to run. We have a great classroom space and will be offering workshops throughout the year as well as online offerings. We have plans for more social media engagement, online instruction, and expanded new product offerings. Keep an eye on our website, Instagram and

Facebook pages for announcement's as they come along. Don't hesitate to call, email, or drop by - we would love to hear from you! Happy Carving!



Cam Merkle, Owner, Maple and Bass Create • Cut • Carve

General Information

Hours of operation: Monday - Friday 9AM-4:30PM (CST). Closed on all Canadian holidays and the week between Christmas Day and New Year's Day. We're located at 301B-9th Street North - in the north end of Martensville, Saskatchewan.

Prices in this catalogue are in Canadian Dollars (CAD) and are subject to applicable taxes and shipping charges (see our website for shipping costs). There is no minimum order size. We normally ship via Canada Post Expedited mail with tracking. We make every effort to maintain consistent pricing for the duration of this catalogue, however, prices are subject to change without notice. Current pricing is available at mapleandbass.com or by phoning us.

Satisfaction Guarantee

All items we sell are covered by a "30 day money back if not satisfied" guarantee. Should you be dissatisfied with any of our products for any reason, simply return it either in person or by regular mail (with proof of delivery, please). We will immediately provide a full refund. A brief note or explanation of the reason for the return would be appreciated. At the time of publication, all information contained herein was accurate to the best of our knowledge, however, errors and omissions may occur. We will not be responsible for such errors or omissions except where our guarantee and return policy would allow. Liability is limited to the actual cost of goods sold and does not cover consequential damages or suitability of goods for a specific purpose.

To our Valued US and International Customers

All prices are shown in Canadian dollars (CAD). For credit card orders we will bill your card in CAD and your credit card company will automatically convert to your local currency.

On the Front Cover:

Eskimo Curlew, Oil paint on Tupelo and Brass ©2019 Cam Merkle.

Micromotor Tools

We are your power carving specialists. Whether you're looking for a heavy rotary tool for fast rough-out work, a micromotor tool for finer work or an ultra-high speed turbine for extremely delicate work, we can meet your needs. We also have a great selection of burs of all types. Not only do we sell a great selection of tools and burs, but we service most of them right here in our shop, which means fast turn-around and unmatched convenience. Not sure what tool is best for you? Give us a call - our expert advice is always free!

Best Value Micromotor: Maxima 40

Reasonably priced and offering excellent "bang for the buck", the Maxima 40 runs smoothly and quietly up to speeds of 40,000RPM, and the handpiece has great balance and feel. The Maxima 40 is supplied with a variable-speed foot control, 1/8" collet and a quick-change 3/32" collet adapter, a rubber handpiece cradle, extra fuse, extra motor brushes and it comes with our unconditional one-year warranty that covers everything (including bearings!).

Maxima 40 Set with 1/8" collet and 3/32" collet adapter	# RK40	\$499.95
Handpiece only with 1/8" collet and 3/32" adapter.....	# RH4018	\$359.90
Handpiece only with 3/32" collet	# RH4032	\$330.00
Replacement motor brushes	# RHBRUSH	\$11.50
Rubber Handpiece Cradle (replacement)	# RRC-02	\$9.50
1/8" Collet	# RCOL18-4501 or # RCOL18-PHP40	\$62.50
3/32" Collet	# RCOL332-4501 or # RCOL332-PHP40	\$62.50
1/8" -3/32" Collet Adapter (as supplied with RK40)	# R18-332	\$29.90
1/8"-1/16" Collet Adapter	# R18-116	\$29.90

Collet Adapters let you use 3/32" or 1/16" bits in a 1/8" collet. The 3/32" is the same high quality adapter that is supplied with a new Maxima 40. It will work on most makes of Micromotor; saves time as changing of collets is no longer required. Provides excellent bit concentricity.

\$29.90 ea.



Maxima 40
40,000RPM
Micromotor Set
RK40



Servicing what we sell: Should your Maxima or Grande machines ever need servicing, we do it right here (including warranty claims!) - you'll get the same quick turn-around and guaranteed service you've come to expect from us. If you're more of a do-it-yourselfer, we can supply the parts and advice you need to perform some of your own repairs.

Micromotor Tools (Cont.)

Cam's Favourite: Grande Micromotor

Supplied with:

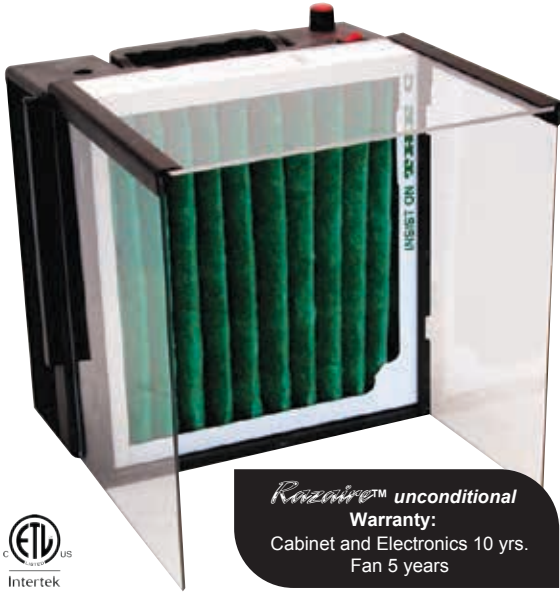
- 1/8" quick-release collet
- 3/32" quick collet adapter
- Variable-speed foot control
- Side-mount handpiece cradle

RK50

\$949.00



- Brushless motor
- Ceramic bearings
- Digital full-torque speed control
- More torque than any other micromotor
 - Incredibly smooth and vibration free
- Variable speed from 1,000 to 50,000RPM
 - Instant forward/reverse direction changes
- Unbelievably quiet (at low speeds you can't hear it running)
 - Can be operated hands-free with unique "cruise" feature
- Will also accept a second "brush" type handpiece (eg. Maxima)
 - Comes with our two-year unconditional warranty



The Razaire™ 530 has been setting the standard for portable dust collectors since it was introduced in 1997. It is still the smallest, quietest, most powerful and versatile portable dust collector in the world. Because it's a modular system, it can handle the dust control needs of any small home workshop - from collecting dust at the source (rotary carving tools, belt sanders, etc.) to overall shop air filtration. How does it work? Dusty air enters the front of the unit, drawn in by a powerful impeller fan. Dust is trapped by a filter that removes over 90% of 3-4 micron sized particles (about the size of baby powder). Clean air is then exhausted out the side. Normally it is not necessary to carve inside the acrylic hood - working 6" in front of it usually provides satisfactory results. With enough suction to pick up

shavings from a planer (with a 4" hose attached), the Razaire™ 530 can handle it all. The 2" filter is easily removed for cleaning (filter is cleaned by tapping it into a plastic bag or a garbage can). Many cleanings are possible before filter replacement is necessary. The flameproof ABS cabinet has a built-in lamp holder to accept a standard swing-arm lamp (not included), providing excellent light where you need it - right at the intake. Includes an 8" acrylic hood that breaks down into 3 flat panels for portability. Several accessories are available for increased versatility - everything from higher efficiency filters or extra filter stages to a 4" hose adapter, a lap-top tray, a motor tool hanger, or a deflector to direct exhaust air towards the back. Razertip's exclusive *unconditional* warranty covers the fan for 5 years and the cabinet and electronics for 10 full years!
Razaire™ 530 w/ 2" filter frame, standard filter, 8" hood. # RZ-530 \$495.00

Filters for Razaire™ 530

4 different filters are available. They work fine as single stage filters but are even better in pairs (stacked), increasing both the performance and life of the filter, with no discernable drop in suction. All filters are approximately 9.75"x10.5"x2".

Standard 30% efficient filter. Best for general wood dust applications or as the first (front) stage when using higher efficiency filters. Easiest to clean and longest lasting. Superb in pairs! # RZ-ZF20 \$21.25

Medium 60% efficient filter. Good as a second stage, especially when collecting antler or bone particles. Easily cleanable and fairly long lasting. # RZ-ZF26 \$26.00

Activated Charcoal 30% Efficient filter. Can reduce many odours like burning wood, antler and eggshell. Recommended as a second stage as it will require frequent replacement if used alone. Note: This filter does not eliminate odours and it works best at low fan speed settings. # RZ-ZF24 \$28.75

High 80% efficient filter. Our most efficient filter; best for hard-to-capture particles like soapstone and eggshell. Also good for maximum efficiency when a single stage is desirable. Because of the fine weave of this filter, it is not as easily cleaned as the others and will require more frequent replacement. For best results we recommend using it as a second stage with a standard filter in front. # RZ-ZF28 \$37.00

Extra 2" Filter Frame. Snaps on to the front of your Razaire™ 530, allowing you to add as many filter stages as you want (one frame required per stage). Also a great way to make your own custom hoods for the Razaire™ 530 - attach a frame and build your custom hood on to it for a quick-release attachment. # RZ-ZH1002 \$17.00



4" Inlet hose adapter Connect your Razaire™ 530 to many of your shop tools, to a lap-top carving tray, or even a cyclone lid. You can even use your Razaire™ 530 as a variable-suction vacuum cleaner using 4" vent hose from your local hardware store.

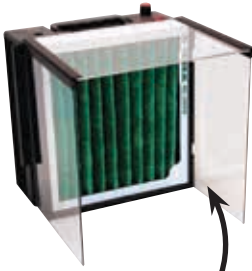
RZ-ZA400 \$48.50

Motor Tool Hanger Hang your flex-shaft tool on the Razaire™ 530. Can be mounted on either side (unless the Exhaust Air Deflector is in place).

RZ-ZA325 \$21.25



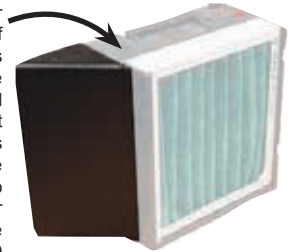
Lap-top tray This very comfortable tray lets you carve right in your lap (requires use of the 4" hose adapter and a length of 4" hose). But it's much more than just a lap tray. Stand it on edge and it excels at picking up dust from small stationary belt sanders and small grinders. The upper edges are not only comfortable to rest your arms on, they can also be used to fashion the lap tray into a drawer that conveniently stores away under your desk or bench. Approximately 13"x17"x2" deep. # RZ-ZA440 \$39.25



8" Front Hood (replacement)
RZ-ZA550-8 \$36.50

Exhaust Air Deflector Exhaust air normally discharges from the side of the Razaire™ 530. This adapter slips down over the exhaust, re-directing the air towards the back of the unit. Useful in classes, but it's also great to re-direct air in many other situations such as when using your Razaire™ 530 beside a tabletop sander or scrollsaw. It's also recommended that you use this deflector when using a Razaire™ 530 without the front hood.

RZ-ZA375 \$17.50



Customize your
Razaire™ 530
to meet your needs!

All accessories attach in seconds without any tools. It's easy to change from a table-top unit to a lap-top collector or even a 4" vacuum.



Extra 2" Filter Frame. Snaps on to the front of your Razaire™ 530, allowing you to add as many filter stages as you want (one frame required per stage). Also a great way to make your own custom hoods for the Razaire™ 530 - attach a frame and build your custom hood on to it for a quick-release attachment.

RZ-ZH1002 \$17.00

A bit about CFM's: CFM (cubic feet per minute) is the way airflow is measured. The Razaire™ 530 fan is rated at 530 CFM, but you probably won't want to run it that high most of the time. The fan will develop up to 4 times as much vacuum (pull) as other portable dust collectors, so at high settings it can pull very fine dust particles right through the filter. To avoid this, turn the fan down or, if you need the extra suction from a higher fan setting, add a second or even third filter stage.

Foredom™ Power Carving Tools

If you are going to buy a flex-shaft tool, buy the best - Foredom. As a Foredom dealer and service depot, we can meet all of your power carving needs. We service what we sell. We also stock bearings and lots of other repair parts. If you don't see it here, give us a call - we would be happy to quote you on any Foredom product. (manufacturer's website: foredom.net)

Foredom 1/6HP Hang Up Woodcarving Kit Model 5240

Foredom's most popular motor, the 1/6HP SR motor has loads of power and speeds up to 18,000RPM. This kit includes an SR reversible motor, #44T handpiece, 3 collets (1/4", 1/8", 3/32"), foot control # FCT and a 27-piece woodcarvers pro-accessory kit complete with rotating bit holder.

2-year warranty, ETL approved.
FOR5240 **\$497.20**



Foredom Deluxe 1/6HP Hang Up Woodcarving Kit Model 5200

Deluxe version of the 5240 kit (above). Includes everything in the 5240 kit, plus a #28 handpiece with two collets, safety glasses and an upgraded heavy-duty metal foot control #SCT.

2-year warranty. ETL approved.
FOR5200 **\$622.35**



Foredom 1/6HP Bench-Mount Woodcarving Kit Model 5300

Foredom's most popular motor is also available as a bench-mount kit. This kit includes a 1/6HP SR reversible motor mounted on a speed-control base, #44T handpiece, 3 collets and a 12-piece woodcarvers accessory kit.

2-year warranty, ETL approved.
FOR5300 **\$584.95**



Foredom™ Power Carving Tools

Foredom 1/3HP Woodcarving Kit Model 5400

For the carver who needs lots of power at various speed ranges. The 1/3HP TX motor is a powerful DC motor that provides smooth acceleration at speeds up to 15,000RPM, with high torque at all speeds (**PLEASE NOTE: TX motors do not have reverse**). Supplied with a 1/3HP TX motor, standard shaft and sheath, foot control #SXR, #44T Handpiece with 3 collets (1/4", 1/8", 3/32"), 47 piece accessory kit, rotating bit holder, wrench and shaft grease. Accepts all standard Foredom handpieces. 2-year warranty, ETL approved. # FOR5400 **\$602.25**



Foredom 1/6HP Industrial Kit Model SRH440

The SRH440 kit gives you the versatility of a reversing SR motor combined with extra-heavy industrial shaft strength. While the shaft is a bit stiffer than a standard Foredom shaft, it provides significantly more strength for heavy applications like stone and antler carving, or just for serious hogging-out in all types of wood. Includes motor, shaft, special #44HT handpiece, 3 collets (1/4", 1/8", 3/32"), foot control #SCT and a 10 pc. accessory kit. Will also accept #28HT and #30HT handpieces (see [page 10](#)). Note: standard Foredom handpieces will not fit on this unit. ETL approved, 2-year warranty. # FORSRH440 **\$514.00**



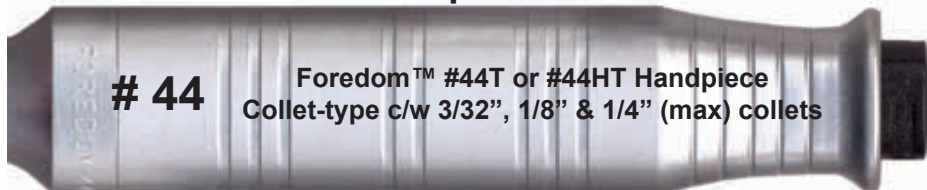
Foredom 1/3HP Industrial Kit Model TXH440

More powerful than any other flex shaft tool. Supplied with special handpiece #44HT, heavy-duty shaft and sheath, 3 collets (1/4", 1/8", 3/32"), foot control #SXR and a 10-piece accessory kit. 15,000RPM. This is a great tool for stone and antler carvers. **PLEASE NOTE: TX motors do not have reverse.** The TXH440 and SRH440 will only accept series HT handpieces (#28HT, #30HT and #44HT), as well as special square-drive shafts and sheaths. They are not interchangeable with regular Foredom accessories. Call if you are not sure which kit is best for your application. ETL approved, 2-year warranty. # FORTXH440 **\$617.10**



Freedom™ Power Carving Tools

Freedom Handpieces (all shown actual size)



44 Freedom™ #44T or #44HT Handpiece
Collet-type c/w 3/32", 1/8" & 1/4" (max) collets

Supplied with 1/4", 1/8" and 3/32" collets. Extra collets available (see below).

FOR44T (fits most Freedom flex shafts i.e S, SR, TX, etc.)..... **\$107.00**

FOR44HT (fits only Freedom Heavy-duty flex shafts i.e TXH440).. **\$125.40**

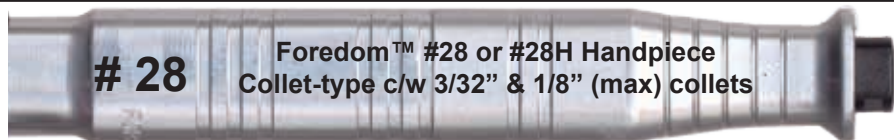
Also available:

Short version of 44T is 1" shorter for use in tighter spaces. Not shown. Supplied with 1/4", 1/8" and 3/32" collets.

Extra collets available (see below). # FOR43T (fits most Freedom flex shafts)..... **\$125.95**

Collets for #43T, #44T, #44HT or #44 handpiece: \$13.20 ea:

3/32" - # FOR442 1/8" - # FOR443 5/32" - # FOR444 1/4" - # FOR447



28 Freedom™ #28 or #28H Handpiece
Collet-type c/w 3/32" & 1/8" (max) collets

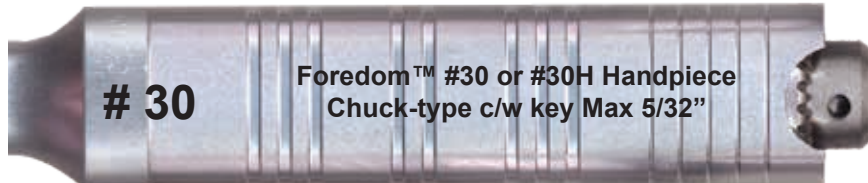
Slim handpiece with tapered end. Supplied with 1/8" and 3/32" collets. Accepts bits up to 1/8".

FOR28 (fits most Freedom flex shafts i.e S, SR, TX, etc.)..... **\$108.10**

FOR28H (fits only Freedom Heavy-duty flex shafts i.e TXH440)..... **\$116.05**

Collets for #28, 28H or #8 handpiece: \$13.20 ea.

1/32" - # FOR601 1/16" - # FOR602 3/32" - # FOR603 1/8" - # FOR604



30 Freedom™ #30 or #30H Handpiece
Chuck-type c/w key Max 5/32"

Chuck-type handpiece. Accepts cutters up to 5/32" (4mm) diameter. No collets needed.

FOR30 (fits most Freedom flex shafts i.e S, SR, TX, etc.)..... **\$107.80**

FOR30H (fits only Freedom Heavy-duty flex shafts i.e TXH440).... **\$115.50**

Accessories and Repair Parts

Motor Model	Maintenance Kit	Motor Brushes (per pair)	Inner Shaft	Outer Sheath	Motor Sheath Connector
CC, DD, MM (1/10HP)	FORMK9 \$37.95	FORMP119P \$15.75	FOR93 \$17.20	Standard Sheath FOR77 \$24.25	FORUA111P \$9.30
R, RB	N/A	FORMP117P \$17.05		OR	
S, SR 1/8HP	FORMK8 \$37.15	FORMP2019P \$15.75		Neoprine Sheath FOR77N \$43.20	
S, SR 1/6HP	FORMK10 \$37.95	FORMP132P \$15.75			
TX, LX	FORMK16 \$39.05	FORMP319P \$22.20			
TXH, SRH	N/A	FORMP319P \$22.20	FOR10823 \$29.45	FOR10801TX \$94.60	N/A
H 1/4HP	N/A	FORMP2019P \$15.75	FOR10805 \$29.45	FOR10802A \$108.65	N/A
All Shafts	Shaft Lube (grease) 1 oz. tube # FORMS10006 \$7.05				
General Lube	Freedom Motor and Handpiece Oil in small hypodermic dispenser # FORMS10005 \$7.65				

Foredom™ Specialty Handpieces

Turn your Foredom into a power chisel carver!

Carves wood like a hot knife through butter! Uses Foredom Stainless steel chisels (below) or Flexcut® chisels. Foredom chisels can also be used in other power carvers like Proxxon, etc. Fits on all standard Foredom shafts. Use only in "forward" motor direction. Max speed 18,000RPM, Optimum speed 1,000-8,000RPM. Use of Foredom's bench-top speed control # FOREM1 recommended. (See page 14) This is a very comfortable and useful tool.

Handpiece w/ lube, wrench and FORAKHK550 6-chisel set # FORH50C \$127.90

Handpiece only w/ lube and wrench (no chisels)# FORH50 \$80.30

Chisel Handpiece Grease 1/2 oz tube. Keeping chisel handpiece lubricated will assure long operational life.# FORMS10008 \$7.90

Set of 6 Small Chisels # FORAKHK550 **\$70.45**
 #11x3.5mm sweep; #7x8mm sweep; #3x9mm sweep;
 70 degree 5.5mm "V"; 9mm chisel; 9mm skew.

Set of 5 Large Chisels # FORAKHK560 **\$70.45**
 #3x14mm sweep; #7x13mm sweep; 70 degree 8mm "V";
 #8x10mm sweep; 14.5mm chisel.

Set of 6 Medium Chisels # FORAKHK570 **\$80.70**
 14mm skew; 110 degree 11mm "V"; 110 degree 7mm "V";
 #9x9mm sweep; #9x6mm sweep; 8mm fluteroni

Set of 5 Large Chisels # FORAKHK580 **\$80.70**
 #7x17mm sweep; #9x14mm sweep; 75 degree 12mm "V";
 110 degree 16mm "V"; 12mm fluteroni.

Set of 12 Chisels includes all chisels in AKHK550 and AKHK560 plus the 8mm Fluteroni and a canvas pouch to hold all 12 chisels. # FORAKHK510 \$147.00

Individual Chisels for Foredom Chisel Carver Handpiece

#3 Sweep x 9mm.....# FORAKC503	\$12.85	75 Deg. "V" 12mm	# FORAKC717	\$18.05
#3 Sweep x 14mm.....# FORAKC501	\$16.45	110 Deg. "V" 7mm	# FORAKC516	\$12.85
#7 Sweep x 8mm.....# FORAKC504	\$12.85	110 Deg. "V" 11mm	# FORAKC513	\$16.45
#7 Sweep x 13mm.....# FORAKC502	\$16.45	110 Deg. "V" 16mm	# FORAKC722	\$18.05
#7 Sweep x17mm.....# FORAKC718	\$18.05	#1 Chisel x 9mm.....# FORAKC509	# FORAKC509	\$12.85
#8 Sweep x10mm.....# FORAKC508	\$16.45	#1 Chisel x14.5mm.....# FORAKC511	# FORAKC511	\$16.45
#9 Sweep x 6mm.....# FORAKC517	\$18.05	#2 Skew x 9mm.....# FORAKC510	# FORAKC510	\$12.85
#9 Sweep x 9mm	# FORAKC514	\$16.45	#2 Skew x 14mm.....# FORAKC512	\$16.45
#9 Sweep x 14mm.....# FORAKC723	\$18.05	8mm Fluteroni.....# FORAKC515	# FORAKC515	\$16.45
#11 Sweep x 3.5mm....# FORAKC505	\$12.85	12mm Fluteron.....# FORAKC721	# FORAKC721	\$18.05
70 Deg. "V" 5.5mm	# FORAKC506	\$12.85	Roll-up Canvas Pouch	
70 Deg. "V" 8mm	# FORAKC507	\$16.45	(holds 12 chisels).....# FORAKC500	\$44.55



Freedom™ Power Carving Tools

Belt Sander Attachment from Freedom®



All metal quality-machined aluminum belt sander attachment from Freedom (shown actual size below) has 3 permanently lubricated bearings. Hex key and 10 sandpaper belts (9/32"x10-1/8") included. Replacement belts available separately. Fits all #30 (chuck-style) Freedom handpieces. It's great for power sanding wood, metal, acrylic and composites quickly and easily. Use with # FORMAHH-30 (listed below) handpiece holder for hands-free operation.

Complete Kit (shown at right)

Fits all standard Freedom flex-shaft machines

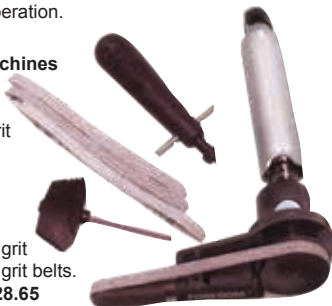
Includes sander attachment, #30 handpiece, chuck key, hex key, 180 grit belt (installed) and 3 each 100, 180 and 240 grit belts.

FORAK797230 \$206.55

Belt Sander Attachment (without handpiece)

Includes sander attachment, hex key, 180 grit belt (installed) and 3 each 100, 180 & 240 grit belts.

FORAK797210..... \$128.65



FORMAHH-30

Handpiece holder

Great for hands-free operation. Can also be used with #43 & #44 handpieces.

FORMAHH-30 \$119.55

Replacement Sanding Belts

Coarse Assortment (3 ea 100, 180, 240) ..# FORAK797409 \$8.30/pkg

Fine Assortment (3 ea 320, 600, 1000)....# FORAK797429 \$8.30/pkg

100 grit (5 belts/pkg).....# FORA-797415 \$6.10/pkg

180 grit (5 belts/pkg).....# FORA-797425 \$6.10/pkg

240 grit (5 belts/pkg).....# FORA-797435 \$6.10/pkg

320 grit (5 belts/pkg).....# FORA-797445 \$6.10/pkg

600 grit (5 belts/pkg).....# FORA-797455 \$6.10/pkg

1000 grit (5 belts/pkg).....# FORA-797465 \$6.10/pkg



(Shown actual size)



Foredom™ 2" Angle-grinder Attachment

(Shown actual size)



Foredom's versatile 2" angle grinder

is a compact, lightweight and easy to manage attachment for working on virtually any material using 2" and smaller accessories. This quality-machined angle grinder fits all Foredom #30 handpieces (30, 30H, 30SJ). It is available in a kit with or without a handpiece. Kit includes an Angle Grinder Head with short hub and 120 grit flap wheel installed; tools and drive pin to attach the grinder to any #30 handpiece; a long hub and mounting hardware for 3/8" arbor hole wheels; a 2" rubber disc mandrel and 5 assorted sanding discs, a sanding screen and velcro discs for attaching discs. One year warranty.

- Kit with #30 handpiece
FORAK69130 **\$269.50**
- Kit without handpiece
FORAK69110 **\$184.80**



Kit # FORAK69110

- Extra 2" Rubber Disc Mandrel
w/ Velcro face. Use with velcro
discs and PSA sanding discs
(See page 14).
FORA69222 **\$9.90**

Accessories for 2" Angle Grinder

Items contained in the kits below will fit the mandrel and hubs supplied with the grinder attachment. Extra hubs and mandrels are available for convenience, but it is not necessary to purchase extras when ordering a kit.

60 Piece Wood Carving Kit # FORAK6903 \$191.15

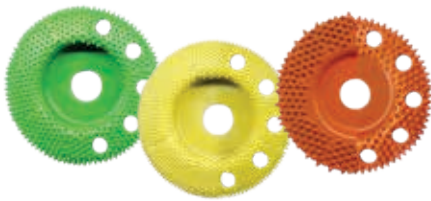


- 1 - 2" Round Face Coarse Typhoon Disc
- 1 - 2" CeramCut Blue Abrasive Wheel
- 1 - (pkg of 6) 2" Radial Bristle Discs, 80 grit
- 5 - 2" Sanding Screens 1 ea: 60, 120, 240, 320, and 600 grit
- 4 - (pkgs of 5ea.) 2" Aluminum Oxide Sanding Discs: 60 grit, 80 grit, 120 grit, 220 grit
- 1 - (pkg of 25) 2" PSA Velcro Discs
- 2 - Disc Protector Pads

2" Saburrtooth Carving Wheels

Long-lasting, razor-sharp carbide cutting teeth arranged into a unique open pattern to resist "loading" while providing the "Power Carver" rapid stock removal and smoother finishes.

See mapleandbass.com for a full selection of saburrtooth carving wheels



Typhoon Wheels

(mount with short hub) for rapid removal of wood, acrylic, plaster, hard rubber and fiberglass. All sizes and grits **\$68.35 ea.**

- Round Face Coarse # KB25628
- Round Face Fine # KB25629
- Flat Face Coarse # KB25626
- Flat Face Fine # KB25627



Full range of 2" angle grinder accessories at mapleandbass.com

Foredom™ Accessories

Speed Controls and Hangers for Foredom Flex-shaft machines

Variable-speed foot control

as supplied in the 5240 kit (page 8) - fits all standard Foredom motors.*

- # FORFCT1 **\$50.70**
- Also available by special order to fit TX, TXH, LX and LXH Motors (allow 3 weeks delivery) # FORTXR1 **\$76.70**



Heavy duty metal

variable-speed foot control

as supplied in the 5200 kit (page 8) - fits all standard Foredom motors.*

- # FORSCT1 **\$94.90**
- To fit TX, TXH, LX and LXH Motors # FORSXR1 **\$115.70**



Bench-top Speed control.

Plastic housing, red indicator lamp. Do your legs get sore from using the foot control for long periods? This is the answer! Also recommended for consistent speed control when using a power chisel handpiece. Fits all standard Foredom motors.*

- # FOREM1 **\$94.90**
- Also available (in stock) for use with TX, TXH, LX and LXH Motors # FOREMX.. **\$123.50**



Foredom Motor Hanger:

Clamped to your bench to hang your motor(s) securely. New design can hold one or two motors. Supplied with handpiece holder and accessory tray. A heavy-duty, very well-made hanger.

- # FORMH1 **\$119.55**

(Foredom tools not included)

*Standard Foredom motors are series CC, S, and SR motors, including both 1/8HP and 1/6HP SR's.



**MANPA Mini Carbide
Tri Bit 1/4" & 1/8" Shank**

Very fast and controlled wood removal. Three replaceable carbide cutters leave a clean finish. Will work in any rotary carving tool that accepts 1/4" & 1/8" shank accessories.

- # MP21-24-DCR 1/8" shank round **\$88.80**
- # MP21-24-DCS 1/8" shank square **\$93.80**
- # MP21-24-DCT 1/8" shank triangle **\$93.80**
- # MP21-24-SCR 1/4" shank round **\$93.80**
- # MP21-24-SCS 1/4" shank square **\$99.95**
- # MP21-24-SCT 1/4" shank triangle **\$99.95**



Belt Cutters

MANPA Belt Cutter 2" Master Kit

Attaches to and 4.5" or 5" Angle grinders with 5/8"x11 arbor. 2" wheel rapidly and smoothly removes wood up to 12" away from the grinder. Kit comes with all extensions and belts for best versatility.

MP21-2-M **\$378.00**



MANPA Belt Cutter 3" Master Kit

Similar to the 2" belt cutter, but uses 3" wheels. Rapidly and smoothly remove wood up to 12" away from the grinder. Kit comes with all extensions and belts for best versatility.

MP21-3-M **\$491.80**



WATCH FOR KING ARTHUR'S TOOLS COMING SOON!

Chainsaw wheels, mini angle grinder and
Guinevere sanding system.

See mapleandbass.com for updates





MANPA
Crack Cutter MINI 1/2"x 4"L (1/2" Holes Cutter)
or Crack Cutter 3/4" x 4"L (3/4" Holes Cutter)
Attaches to Angle grinder with 5/8"x11 thread.
Carves into pockets or holes. Extends to 5" or 8" as-is. Add #MP21-12 sanding tool for a full 9.75" or 12" reach. Replaceable carbide cutters insure very fast, controlled wood removal and long cutter life.

1/2" Crack Cutter Mini	# MP21-16M	\$118.95
3/4" Crack Cutter	# MP21-16	\$133.95

MANPA Holes Cutters 2" - 4"

Attaches to 4.5" or 5" Angle grinder with 5/8"x11 arbor using included adapter. Rapidly "drills" (carves) holes between 2-4" dia. Incredibly fast and controlled wood removal. 3 Carbide cutter teeth are replaceable.

2" Holes Cutter	# MP21-8-2	\$159.00
3" Holes Cutter	# MP21-8-3	\$192.55
4" Holes Cutter	# MP21-8-4	\$234.50



MANPA Connection Tool (extensions)

Allows user to extend reach on the belt cutter or multi cutter. Includes 2 extensions that can extend to 10.5 or 14". These extensions are included with the belt cutter master sets

MP21-11 **\$90.75**



MANPA
Square Cutters
Square-tooth blade for Manpa belt cutter.

2" Cutter	# MP21-2-T	\$128.50
3" Cutter	# MP21-5-3	\$144.80



MANPA Grinder Holder
Attaches to Angle grinder to stabilize/strengthen for use with Crack cutters and holes cutters.

MP21-9 **\$105.75**

MANPA SandingTool (extension)

Allows user to extend reach on a Holes Cutter by 4.75" (120mm). Can use 2 to double your reach.

MP21-12 **\$52.92**



MANPA Concave Eye Cutters (8) 1/8 & 1/4 Shanks
Set of 8 concave eye cutters. 3x 1/8" shanks: 3/16", 1/4", 3/8"; 5x 1/4" shanks: 3/8", 1/2", 5/8", 3/4", and 1". Quickly and cleanly carves eyes and round dome shapes on wood.

MP21-25 **\$78.30**

Power Carving Tools - Air Turbines

Turbo Carver™ Ultra-High Speed Air Turbines

One of Cam's favorite tools for detail and habitat work is an Ultra-high speed (UHS) turbine. They will spin 1/16" dental burs (often called "FG" or friction-grip burs) at speeds up to 400,000RPM. At this speed, you can carve almost any material. See [page 18](#) for selection of available burs.



Turbo carver™ is the smallest UHS tool made. The USA-made, 400,000RPM Turbocarver™ is an ideal entry-level/ hobby grade tool that is small, lube-free, dependable, comfortable and economical. Should servicing be required, it will be necessary to send the unit back to the US manufacturer. Available with or without water spray option.

Note: the water spray option is best purchased with a new handpiece (as opposed to adding it later). To add it later the handpiece must be sent to the USA.

Kit #1



Turbo Carver™ Kit #1. Everything you need except a compressor. Turbo carver™ with handpiece, air foot control, carbide and diamond bur, 5 micron air filter, pressure gauge, stencil, brush, face mask and instructional DVD.# TC2 **\$419.95**

Kit #2



Turbo Carver™ Kit #2. Water-spray kit. Includes everything in Kit #1; instead of the standard handpiece, includes a water-spray (WS) handpiece and reservoir. The WS handpiece sprays a fine water mist on the work surface, eliminating dust and cooling the bit. Can be used with or without mist. Great for working with hard materials like eggshell and antler.# TC2WS **\$609.95**

Parts and Accessories:

Handpiece (repl.).....# TC550 **\$270.00**
5 Mic. Air Filter.....# TC-AF400 **\$17.50**

Pressure gauge.....# TC-AG400 **\$36.50**
Foot Control.....# TC-FC400 **\$95.20**

FAQs

FAQ: Will an UHS tool replace any of my other tools? Will it make them obsolete?

A) No. An UHS tool will compliment the tools you are currently using - it won't replace them. UHS tools are meant for very fine, precise detail work. For most carvers wishing to use power tools, this would be the third power tool purchase. First choice would be a flex-shaft tool (Foredom™) for bulk removal, rough-out work and sanding of large areas. Second would be a micromotor for smaller carved detail, texturing, and fine sanding. The UHS tool is unmatched for fine detail work, but it will not work for bulk carving or sanding.





FAQ: Can I use an UHS handpiece instead of a micromotor tool?

A) No. UHS handpieces complement other tools. They accept only 1/16" shank burs and while they have great speed, they don't have much torque. They are mainly designed for very fine, delicate detail work. For most carvers we recommend a flex-shaft tool first, then a micromotor and then a UHS handpiece. Not sure? Give us a call!




Power Carving - Air Turbine Burs

1/16" Shank ("FG") Carbide Burs (Shown actual size)

Carbide Balls For shaping and texturing in wood, and engraving metal. Good for bulk reduction.

-  0.5mm head dia.....# FG1-005 **\$3.90**
-  1.2mm head dia.....# FG1-012 **\$3.90**
-  1.2mm long-shank ..# FG1-012L **\$7.55**
-  2.3mm head dia.....# FG1-023 **\$3.90**

Carbide Needles and Sharp Tapers are ideal for extremely fine cutting and engraving in most materials. The point on these cutters is extremely sharp and prone to breaking if too much pressure is used.

-  Sharp Taper.....# FG7611 **\$11.30**
-  Needle Point..... # FG48L-012 **\$13.95**
-  Sm. Needle Point.... # FG48-009 **\$11.70**





1/16" Shank ("FG") Carbide Burs (Shown actual size)

Carbide Fissure Burs For outlining relief carvings, inlay, and bulk reduction in softer materials and for high-definition engraving in metal.

-  0.8mm single-cut..... # FG15-008 **\$5.20**
-  0.8mm cross-cut # FG21-008 **\$5.20**
-  1.2mm single-cut..... # FG15-012 **\$5.20**
-  1.4mm single-cut..... # FG128-014 **\$6.15**
-  1.0mm cross-cut taper. # FG23-010 **\$5.20**
-  1.0mm cross-cut long-head taper
..... # FG23L-010 **\$5.50**
-  1.0mm cross-cut round taper
..... # FG23U-010 **\$5.50**
-  1.0mm single-cut long-head taper
..... # FG17L-010 **\$5.20**
-  1.6mm bone cutter (very durable)
..... # FG161-016 **\$40.00**

Carbide Inverted Cones and Pears

Cones are great for bright line engraving in metal and undercutting epoxy inlay. **Pears** are good for cutting eggs and general contouring and carving.

-  0.6mm small inverted cone
FG3-006 **\$5.20**
-  0.8mm medium inverted cone
FG3-008 **\$5.20**
-  1.4mm large inverted cone
FG3-014 **\$5.20**
-  1.4mm long dome pear
FG150-014 **\$5.50**


All of the burs shown on this page can be used with a micromotor or Foredom tool in a 1/8" collet with adapter #R18-116, or in a 3/32" collet with adapter # ADB16 (see page 19).

1/16" Shank ("FG") Diamond Burs (Shown actual size)






Diamond Footballs and Flames are used for contouring and fine shaping in wood and eggshells. Also used for carving hard materials like rock and glass, and for simulating sandblasting effects.

-  1.6mm Coarse..... # FGMM4C **\$13.00**
-  1.6mm Fine.....# FGMM4F **\$13.00**
-  2.2mm Coarse..... # FGMM5C **\$13.00**
-  2.2mm Fine.....# FGMM5F **\$13.00**
-  Fine Flame.....# FGMM58F **\$13.00**
-  Coarse Flame.... # FGMM58C **\$13.00**
-  Long Coarse.....# FGMM58L **\$13.00**
-  Short Flame.....# FG1608 **\$13.00**



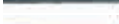
Diamond Inverted Cone for undercutting and general reduction in most materials.

-  1.4mm inverted cone
FG225-014 **\$7.80**

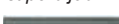
Round Diamond Burs for engraving and stippling on glass and stone, and to shape and contour softer materials like wood.

-  1.0mm..... # FG001-010 **\$7.80**
-  1.4mm..... # FG001-014 **\$7.80**
-  1.8mm..... # FG001-018 **\$7.80**
-  2.5mm..... # FG001-025 **\$14.65**
-  3.3mm..... # FG001-033 **\$19.20**

Diamond Wheels for grooves and sectioning.

-  2.3mm Knife-edge...# FG023 **\$26.00**
-  3.5mm Wheel # FG035 **\$26.00**
-  5.0mm Wheel # FG050 **\$26.00**

Single-Point Diamond for extra-fine engraving on any surface. Single diamond point on tip does a superb job. A very unique and effective bur.


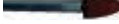
-  Single-Point # FGSP1 **\$41.90**

1/16" Shank ("FG") Stones and Polishers (Shown actual size)

Stones for texturing used in much the same way as stones in a micromotor tool, but considerably more efficient at super-high speeds. White stones are finer and cut slower than green stones.

-  2.9mm White Ball # FG601WH **\$5.20**
-  2.9mm Green Ball.....# FG601GR **\$5.20**
-  2.9mm White Cylinder.. # FG638WH **\$5.20**
-  2.5mm White Taper....# FG649WH **\$5.20**
-  2.5mm White Flame...# FG661WH **\$6.10**
-  2.5mm Green Flame... # FG661GR **\$5.50**

Rubber Polishers are used for polishing metals. Can also be used on glass and stone. Reduced RPM's recommended.

-  Brown Rubber Flame Pre-Polisher
FG0055BR **\$5.50**
-  Green Rubber Flame Final Polisher
FG0155GR **\$5.50**

1/16" "FG" Burs can also be used on your micro-motor or Foredom tool with the adapters shown in next page. 1/16" collets are also available for some micromotor and Foredom handpieces. They cut a bit slower at speeds up to 50,000 but still perform well.

Power Carving - Sanders & Mandrels

About the different types of cutters.....

There are so many cutters made today that it's hard to know which ones to use. We've "whittled" down from a selection of thousands to those shown here (just one of our many suppliers has over 1,200 different cutters to choose from!) All of the cutters we sell represent excellent value and long life if used properly. All cutters are first grade, true running, and have proven particularly useful for woodcarvers. They fall into two broad categories: Abrasive cutters and Sharp cutters.

Abrasive Cutters remove material by grinding it off in small particles (dust or small chips). Generally easy to control, they cut equally well in forward or reverse. Coarser abrasive cutters like the Typhoon burrs on pages 25 & 26 can remove wood very quickly. Finer abrasive cutters like the Ruby and Diamond carvers on page 22 cut slower but leave a smooth finish. Very fine abrasives include stones like those on page 33 as well as sanders (page 20). For most woodcarving, abrasive cutters are more commonly used than sharp cutters.

Sharp Cutters generally give a fast cut with a smooth finish. However there are trade-offs. Most sharp cutters don't cut in reverse, making them awkward when it's necessary to carve against the grain. Sharp cutters may be harder to control and may have a tendency to grab into and run along the work being carved. Larger sharp cutters can be more dangerous when not used carefully as they will cut skin and bone more readily than the abrasives. I always wear a leather glove on my holding hand when using larger sharp cutters. Some sharp cutters are available in finer and coarser types, with the coarser ones cutting faster but having more tendency to dig and run. Finer sharp cutters work well for hard woods, most metals and soapstone while coarser ones work best on softer woods and aluminum. Sharp cutters are made from several different materials. Steel is the least expensive but quickest to dull. Carbide and Zircon are more expensive to buy but last many times longer than steel. Carbide and Zirconia can also be used to cut many metals. My favorite sharp cutters are the solid carbide. **Still have questions? Give us a call!**

High quality mandrels can be used for many different operations. You can mount buffing or cut-off wheels, sanding pads, discs, de-fuzzing wheels and more. (See [below](#) for "Ultra-Brite" de-fuzzing material). All Mandrels shown actual size.



R18-116 1/8" to 1/16"
Collet adapter **\$29.90**



R18-332 1/8" to 3/32"
Collet adapter **\$29.90**



ADB16 3/32" to 1/16"
Adapter **\$18.15 ea.**



3/32" shank screw head for discs and wheels. # M1 **\$3.95 ea.**



3/32" short shank screw head for discs and wheels. # M10 **\$3.95 ea.**



3/32" shank screw head for discs and wheels. # M2 **\$3.95 ea.**



1/8" shank screw head for discs and wheels. # M6 **\$3.95 ea.**



3/32" Large screw head for discs and wheels.
Suitable for 1" Bristle Disks and large-hole disks # M13 **\$3.95 ea.**



1/8" shank tapered thread for felt buffs & small sanding cones (page 20).
M7 **\$4.25 ea.** Also available in 3/32" shank. # M100 **\$6.50 ea.**



3/32" shank split mandrel for flap sanding - use Swiss paper (Page 35) wrapped and secured with a small o-ring or small rubber band. # M21 **\$4.25 ea.**



3/32" shank tapered split mandrel for sanding - use Swiss burgundy paper (page 35). Supplied with a template for a very effective soft sanding cone. Also holds large sanding cones (page 20). # M22 **\$4.25 ea.**

Japanese-made tapered split mandrel (higher quality; photo on page 20) # M20 **\$6.50 ea.**

Swiss Yellow Sandpaper

Fairly stiff paper backing and sharp grit. Great for making sanding sticks. Will remove substantial amounts of wood when used on our cushion sanders (See page 20). Longer lasting and faster cutting than other sandpapers. 4" wide.

SIA1960.80 80 grit (very coarse)

SIA1960.120 120 grit (coarse)

\$2.45/yd all grits

Ultra-Brite® Abrasive Pads for de-fuzzing

6" x 9" maroon abrasive pads are very versatile. As hand pads, they clean and leave a satin finish on most metals. Carvers use them to smooth bare wood and lacquer or varnish finishes. Cut them into 1" to 1.5" discs, mount two or three on a mandrel (M1, M10, or M6 above) and you've got a fantastic de-fuzzing wheel for smoothing basswood or tupelo (keep RPM's below 10,000). Cuts with regular scissors. # DH0700 **\$1.75/ sheet**

Power Carving - Sanders & Mandrels

Razertip Cushion Sanders cut your sanding time in half or less! These sanders use cloth-backed sandpaper and give a super smooth finish. Intended for finish sanding - not designed as a carving tool. The S1A paper listed (See page 35) is recommended. I wouldn't be without mine. Supplied with paper, key and a spare foam pad, ready to go.

Replacement Foam Pads \$1.00 ea.
PADS1407 PADS1405 PADS1803



#S1407

\$20.95

**Shown
actual size**

Made in Canada by
Razertip®



#S1405

\$19.95



#S1803

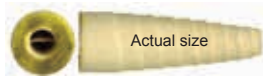
\$18.95

HINT

To get the longest life from your cushion sander, use light pressure. Cushion sanders are not intended to remove lots of wood - they are more for smoothing and contour sanding. For convenience, we recommend having one sander on hand for each grit of paper you are using.

Sanding Cones

You'll wonder how you ever did without these handy miniature sanding mandrels and cones. They're quick, convenient and economical. Best of all, they do an incredible job of fine sanding and blending in those hard-to-reach areas that carvers encounter regularly. Available in two sizes and three grits. The large cones fit on a split tapered mandrel (# M20 below or # M22 on page 19). The small cones fit on a threaded mandrel # M100 (Below) or M7 (page 19). They are all quick and easy to change, and the wrapped-paper design exposes new grit as the cones wear down. Must be used at speeds under 10,000 RPM for longer life and more control. Sold in packages of 10 per size/grit. Cones and mandrels shown actual size.



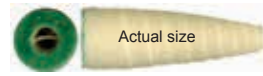
Actual size

CONE15RG (Coarse Yellow)
150 Grit \$7.15/pkg 10



Actual size

CONE20RG (Med. Red)
200 Grit \$7.15/pkg 10



Actual size

CONE30RG (Fine Green)
300 Grit \$7.15/pkg 10

M20 Mandrel w/ 3/32" shank **\$6.50**
Fits large cones above



Actual size



Actual size

M100 Mandrel w/3/32" shank **\$6.50**
Fits small cones at right



Actual size

CONE25SM (Med. Red)
250 Grit \$7.95/pkg 10



Actual size

CONE35SM (Fine Green)
350 Grit \$7.95/pkg 10

Power Carving - Sanders & Mandrels



74-pc Aluminum Oxide Sanding Band Assortment

10,000 RPM Max. Speed. Sanding Bands are 1/2" x 1/2" and 1/4" x 1/2" (12.7 mm x 12.7 mm, and 6.35mm x 12.7 mm) and in 7 grits - listed below.

Includes 4 -1/8" shank drum mandrels, 2 for each size band.

1/2" x 1/2": 4 each 60 grit, 80 grit, 120 grit, 180 grit, 240 grit, 320 grit, 600 grit.

1/4" x 1/2": 6 each 60 grit, 80 grit, 120 grit, 180 grit, 240 grit, 320 grit, 600 grit.

#FORAK12150 \$24.95

1/4" x 1/2" Aluminum Oxide Bands

Available in 10-Pks 60, 80, 120, 180, 240, 320 or 600 grit or 42-piece Assortment

1/4"x1/2" Bands \$6.55/pkg	1/2"x1/2" Bands 6.95/pkg
60 A-4672-10	A-4682-10
80 A-4673-10	A-4683-10
120 A-4674-10	A-4684-10
180 A-4675-10	A-4685-10
240 A-4676-10	A-4686-10
320 A-4677-10	A-4687-10
600 A-4678-10	A-4688-10

42-piece Assortment.
6 of each grit.

#FORAK4670 \$20.75

42-piece Assortment.
6 of each grit.

#FORAK4680 \$22.35



Sanding Mandrels



Actual size



Actual size

1/4x1/2" Mandrel; 3/32" shank..... # MSD324 \$9.60

1/4x1/2" Mandrel; 1/8" shank..... # MSD184 \$9.60

1/2x1/2" Mandrel; 3/32" shank.....# MSD328 \$9.60

1/2x1/2" Mandrel; 1/8" shank# MSD188 \$9.60















When using sanding bands, they usually work better if you mount the band so that it extends out over the screw (as shown at right). Also works with Dura-GRIT™ drums.



Power Cutters - Ruby Burs

These cutters are coated with tiny particles of Ruby. They can be used to carve, grind, texture or smooth. They are durable, long lasting, precise and easy to control. All have 3/32" shanks.

RUBY CARVERS are the most economical and the most popular. Available in 2 grades: Standard & Rubynit (coarse). All are good for wood and many plastics.

Rubynit Coarse			Standard Ruby		
 RUBYC11 \$21.25	 RUBYC14 \$21.25	 RUBYC32 \$21.25	 RUBY15 \$17.50	 RUBY19 \$17.50	 RUBY20 \$17.50
 RUBYC12 \$21.25	 RUBYC15 \$14.25	 RUBYC34 \$21.25			
 RUBYC13 \$21.25	 RUBYC16 \$21.25	 RUBYC36 \$21.25			

All Burs Shown Actual Size

Power Cutters - Diamonds






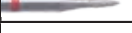








Value-priced 30 Piece Diamond Set # DS301 \$16.50

30 piece diamond set with 3/32" shanks is great for all-around use. Lots of useful shapes for almost any type of carving and texturing. Fine grit diamonds give a controlled cut and a fairly smooth surface. High-tolerance shanks are safe to use with micromotor tools (will not damage collet). Superb value at only 55 cents per diamond! Sorry, they are not available individually.



Power Cutters - Diamond

Diamond Burs. High quality diamond points made for the dental industry with 3/32" shanks. Very sharp grit, easy to control and made to last. "Safe-end" diamonds D22SE and D40SE (below) have no grit on the ends. Perfect for layering feathers! **All Burs Shown Actual Size.**

	1.8mm ball	D001018	\$11.50		2.3mm Football	D257023	\$19.45
	2.1mm ball	D001021	\$12.95		6mm Torpedo	D263060	\$28.20/2pk
	2.9mm ball	D001029	\$12.95		5mm Long Cylinder	D130051	\$28.20/2pk
	0.7mm Very Fine Point	HP539007	\$11.50		3.3mm Wheel	D304033	\$24.50
	1.2mm Fine Point	HP247012	\$11.50		5.0mm Wheel	D304050	\$16.85
	1.2mm Long Point	HP250012	\$14.25		6.3mm Wheel	D304063	\$24.50
	1.8mm Long Point	D250018	\$19.45		9.7mm Wheel	D304097	\$31.15
	1mm Slender Point	HP249010	\$12.95		1.6cm Wheel	HP340160	\$23.25
	1.4mm Point	HP249014	\$12.95	Safe-end Diamonds (below) have no grit on the end			
	1.6mm Point	D249016	\$15.50		2.2mm Safe-end	D22SE	\$25.95
	2.6mm Point	D22026	\$11.40		4.0mm Safe-end	D40SE	\$25.95
	2.3mm Taper Point	D166023	\$16.85				
	1.8mm Round Taper	HP199018	\$13.65				
	3.1mm Round Taper	HP199031	\$27.30				

Cleaners for Diamonds and Rubies:

"Wetstick" cleaning stone - used wet to clean diamonds. Restores diamond cutters to like-new condition. To use, soak in water for a minute or two, then run a spinning diamond into the wet stone until the diamond is clean. Not for use with rubies or sapphires. # WETSTICK **\$5.00**

Crepe block - cleans rubies, sapphires, texturing stones and sanding drums/belts. This handy little crepe block will fit into your toolbox and will last most carvers a lifetime. Used dry, you simply run your abrasive cutter into this block until the buildup in your cutter is removed.

Not recommended for cleaning diamonds. # CLN **\$2.00**

Power Carving - Cutters

High Speed Steel Stump Burs (3/32" Shank) All Shown Actual Size


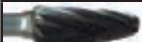
	HP218050 \$9.95	Coarse 5.0mm Bud
	F212050 \$14.25	Fine 5.0mm Bud
	HP218060 \$11.65	Coarse 6.0mm Bud
	F212060 \$14.25	Fine 6.0mm Bud
	HP218070 \$11.65	Coarse 7.0mm Bud
	F212070 \$15.50	Fine 7.0mm Bud
	HP218080 \$12.80	Coarse 8.0mm Bud
	HP219050 \$9.95	Coarse 5.0mm Ball
	F217050 \$14.25	Fine 5.0mm Ball
	HP219060 \$11.65	Coarse 6.0mm Ball
	HP219070 \$11.65	Coarse 7.0mm Ball
	HP219080 \$12.80	Coarse 8.0mm Ball
	HP135RS.100 \$32.25 Very long-life	Surgical Stainless Coarse 10mm Sq. Cylinder
	HP216040 \$9.95	Coarse 4.0mm Cylinder
	HP216050 \$9.95	Coarse 5.0mm Cylinder
	HP216060 \$9.95	Coarse 6.0mm Cylinder
	HP216070 \$11.65	Coarse 7.0mm Cylinder
	HP216080 \$12.80	Coarse 8.0mm Cylinder

3/32" Solid Carbide Stump Burs




Similar to the HS steel stump burs on left, but more aggressive, smoother-cutting and much, much longer lasting. They are worth every penny, especially if you carve hard woods. *Cam's favourite.*

	HP424GS.040 \$43.50	Coarse Carbide 4.0mm Bud
	HP424GS.060 \$43.50	Coarse Carbide 6.0mm Bud
	HP429MS.040 \$43.50	Fine Carbide 4.0mm Long Bud
	HP433MS.023 \$43.50	Fine Carbide 2.3mm Taper

Solid Carbide Cutters (3/32" Shank)

	1.4mm Round Flame	HP44E014	\$12.35
	6mm Bud	HP425SG	\$43.50

Solid Carbide Cutters (1/8" Shank)

	3mm Flame	FORF1C	\$14.24
	3mm Tree-point	TP1C	\$13.33
	6mm Cross-cut Bud	HPL425	\$43.55

Goldies™ Cutters see on-line for availability



Goldies™ (3/32" Shank) Sharp, high-speed steel cutters coated with titanium nitride. Excellent on soft and hard wood as well as brass and other softer metals. They are a perfect cutter for your micromotor tool and will give years of service.

Double-ended Pin Vise. Pin vises act as a handle for your small burs, allowing you to use them as sanding or filing tools. Great for precise sanding and burnishing. This one comes with collets to accept 1/32", 1/16", 3/32", and 1/8" shanks (bits not included). Shown actual size.

Double-ended pin vise # GC58240 \$15.75



Single-ended Pin Vise. Has a clever universal collet that will accept both 3/32" and 1/8" burs. Very comfortable and practical (bit not included). Shown actual size.

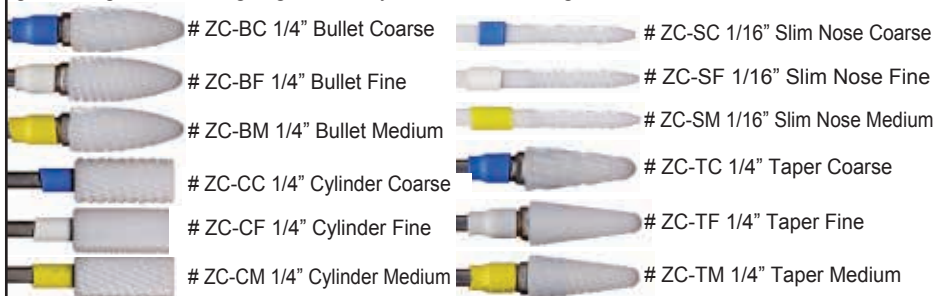
Single-end vise # GC58282 \$31.50



Power Carving - Sharp Cutters

Assorted Cutters. Great for all kinds of cutting from inlay work to fine detail. Dental quality burs are long-lasting and reasonably priced. They are great for most metals including brass. Will fit in all small rotary tools (micromotor, Dremel, etc).

Zirconia (3/32" Shank Cutters) Long-lasting Zirconia Cutters are known for being low heat generating, fine finishing, high durability and a "hard to clog" cutter. **\$38.00 ea.**



3/32" Eye Drills

These useful burs allow you to precisely locate and drill eye holes from 3mm to 8mm. Easy to use and very effective! All shown actual size.

	HP413-030	3mm	\$6.95
	HP413-040	4mm	\$8.75
	HP413-050	5mm	\$8.75
	HP413-060	6mm	\$9.95
	HP413-070	7mm	\$9.95
	HP413-080	8mm	\$11.85

Set of all 6 Eye Drills # **EYEDRILLSET6** **\$46.75**

Vanadium Steel Engraving Burs

Useful for fine detail work on wood or soft metals. 3/32" shanks. Excellent value.

Set of All 5 Burs (below) # **KIT65** **\$10.40**

Also available individually as shown below \$2.55 ea.

	Small Ball	BUR-R2
	Medium Ball	BUR-R5
	Large Ball	BUR-R7
	Small inv. Cone	BUR-P3
	Large Inv. Cone	BUR-P7

High-speed Steel Cutters (3/32" Shank)

	1mm Needle	HP207101	\$9.95
	.9mm Inlay Bur	HP100A009	\$5.50
	.7mm Square Cone	HP38007	\$4.55
	2.3mm Square Cone	HP38023	\$4.55
	2.3mm Sq. Cylinder	HP34023	\$4.55
	1.8mm Round Taper	HP215018	\$7.75
	4.5mm Long Bud	HP79045	\$7.15
	7mm Ball Single-cut	HP196070	\$10.35
	4mm Mini Circular Saw	HP45040	\$7.75
	14mm Knife-edge	HP161KE-140	\$29.85

Steel Carving Drills

High-temper steel carving drills are designed for internal carving of plastic and wood, as well as general drilling in soft materials. Very useful and very sharp. Max. 25,000 RPM.

CD1 1/16" diameter
CD2 3/32" diameter
CD3 1/8" diameter

\$18.55 ea.

Shown Actual Size

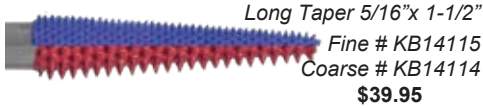


Actual size illustrations: Did you know that every cutter, burner tip and paint brush, along with many other products in this catalogue, is shown at its exact size? You can order with confidence and no surprises when you receive your order.

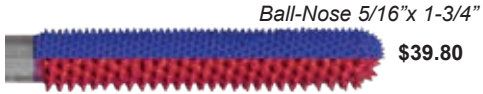


1/4" Typhoon™ Carbide Burs

All Cutters shown actual size



Long Taper 5/16" x 1-1/2"
Fine # KB14115
Coarse # KB14114
\$39.95



Ball-Nose 5/16" x 1-3/4"
\$39.80
Fine #KB14715 Coarse # KB14714



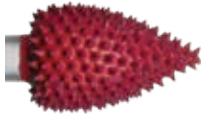
Ball-Nose
13/16" x 1-1/4"
KB14735 Fine
KB14734 Coarse
\$51.90



Ball-Nose 9/16" x 3/4"
KB14713 Fine
KB14712 Coarse
\$39.45



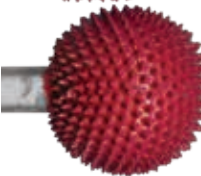
Flame 7/8" x 1-3/8"
KB14979 Fine
KB14978 Coarse
\$51.90



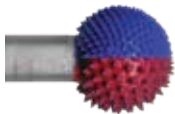
Flame 5/8" x 1-1/16"
KB14958 Coarse
\$37.15



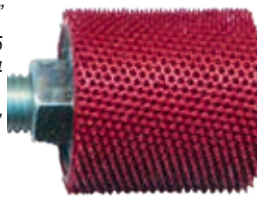
Flame 3/8" x 3/4"
KB14913 Fine
KB14912 Coarse
\$37.95



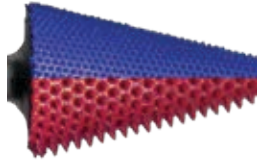
Sphere 15/16"
KB14395 Coarse
\$45.00



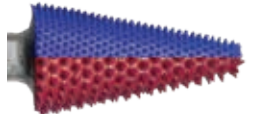
Sphere 9/16"
KB14313 Fine
KB14312 Coarse
\$39.45



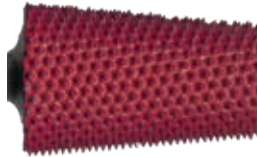
Sanding Sleeve
15/16" x 1" (3/4" ID)
Mounted on
rubber mandrel.
KB43545 Coarse
\$53.90



15° Taper
13/16" x 1-3/8"
KB14179 Fine
KB14178 Coarse
\$51.90



15° Taper 9/16" x 1"
KB14159 Fine
KB14158 Coarse
\$39.60



5° Taper 1
3/16" x 1-1/4"
KB14198 Coarse
Smooth-End
\$51.90



Cylinder
13/16" x 1-1/4"
KB14535 Fine
KB14534 Coarse
\$51.90



Cylinder
13/16" x 1-1/4"
KB14533 Fine
Smooth-End*
\$44.00



Cylinder 9/16" x 3/4"
KB14522 Coarse
Smooth-End*
\$39.45

*Smooth-end burs cut only on the sides, giving superb control!

Cutter and rotary tool quality vs. price

To get the best results and longest tool life be sure to choose a good rotary tool and buy the best cutters you can. Cheap rotary tools use either a bulky chuck system or a cheap 4-jaw collet and bits will not run true in these collets or chucks. The result is bit run-out that causes vibration and greatly reduces the bit's cutting ability, accuracy and life. All of our rotary tools use precision 3-jaw collets (or an actual Jacobs™ chuck in the #30 Foredom handpiece page 10), resulting in a true-running bit that cuts efficiently, accurately and runs smoothly. All of the bits that we carry are very high quality, true-running bits that will last well when properly used and cared for. Remember - you get what you pay for, so there will always be a trade-off when you see a lower-priced bit. It's a good rule of thumb that the most expensive bits we sell are the most economical in the long run. Solid carbide stump burs are a lot less expensive per running hour than high-speed steel (HSS) stump burs.



Typhoon™ Carbide Burs

Ideal for use on hard and soft wood, acrylic and fiberglass. Their unique structurally-aligned tungsten carbide points leave a smoother finish than other types of tungsten carbide burs. They last longer and don't load up as quickly. Maximum speeds: 1/4" shanks 25,000RPM; 1/8" and 3/32" shanks 35,000RPM. Shown actual size.

3/32" Shank

-  **Long Taper 3/16"x 3/4"**
KB32119 Fine **\$47.85**
-  **Taper 7/16"x 5/8"**
KB32915 Fine **\$47.85**
-  **Flame Taper 5/16"x 1/2"**
KB32913 Fine **\$47.85**
-  **Cylinder 5/16"x 1/2"**
KB32519 Fine **\$47.85**
-  **Sphere 5/16"**
KB32315 Fine **\$47.85**
-  **Bud 5/16"x 3/4"**
KB32415 Fine **\$47.85**
-  **Ball Nose 5/16"x 1/2"**
KB32719 Fine **\$47.85**

1/8" Shank

-  **Long Taper 3/16"x 3/4"**
KB18119 Fine **\$38.60**
KB18118 Coarse
-  **Taper 5/16"x 1/2"**
KB18115 Fine **\$34.80**
KB18114 Coarse
-  **Cylinder 5/16"x 1/2"**
KB18515 Fine **\$34.80**
KB18514 Coarse
-  **Smooth-end Cylinder 5/16"**
KB18525 Fine **\$34.80**
KB18524 Coarse

1/8" Shank (continued)

-  **Large Roto-Saw 11/16"**
KB18835 Fine **\$34.80**
KB18834 Coarse
-  **Small Sphere 5/16"**
KB18315 Fine **\$34.80**
KB18314 Coarse
-  **Large Sphere 7/16"**
KB18339 Fine **\$34.80**
KB18338 Coarse
-  **Flame 7/16"x 1/2"**
KB18915 Fine **\$34.80**
KB18914 Coarse
-  **Bud 5/16"x 3/4"**
KB18415 Fine **\$34.80**
KB18414 Coarse
-  **Long Ball-Nose 3/16"x 3/4"**
KB18719 Fine **\$38.60**
KB18718 Coarse
-  **Ball-Nose 5/16"x 1/2"**
KB18715 Fine **\$34.80**
KB18714 Coarse
-  **Dove Tail 7/16"x 1/2"**
KB18639 Fine **\$34.80**
KB18638 Coarse

Cleaning Typhoon™ and Saburrtooth™ Burs

Use a dense brass brush (at left) or a fine, sharp knife blade to remove debris from between the rows of teeth. Typhoon™ and Saburrtooth™ teeth are in rows, making them easier to clean and less likely to load up. Coarse burs stay clean longer and are easier to clean. For difficult wood or sap build-ups, try soaking the bur for a few hours in oven cleaner and then rinsing in water, followed by brushing with the brass brush. Gummed up fillers or glue can sometimes be softened first by slightly heating the bur with a lighter before brushing (do not use a torch).

To avoid damage to burs never use a file card or steel brush to clean Typhoon™ or Saburrtooth™ burs.

Brass Brush Cleans Saburrtooth®, Typhoon™ and Dura-GRIT™ Burs. Dense brass bristles remove debris quickly and easily without damaging burs.

RZ-BRASSBRUSH
\$6.18



FAQs

FAQ: Coarse vs. Fine - Which one is best?

That depends on your needs. Coarse burs are great for roughing out and rapid stock removal.

They leave deeper grooves than the Fine burs, but our sanding cones (page 20) and cushion sanders (page 20) will remove these grooves quickly and easily. Fine burs give a bit more control, but don't cut as fast.

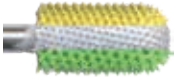
Cam likes Coarse for roughing out especially in basswood, and Fine for detailed work and working with tupelo.

Saburrtooth™ Carbide Burs

All Cutters shown actual size

Yellow fine tooth pattern
White X-Fine tooth pattern
Green coarse tooth pattern

The images below and on following pages show each cutter divided into various available grits. Images are for illustration purposes only: the yellow portion shows what the fine tooth pattern looks like; white shows the X-Fine tooth pattern, green shows the coarse tooth pattern and orange shows extra-coarse tooth pattern. Any cutters you order will be a solid colour with only one tooth pattern. For example, the coarse cutter will be solid green, fine will be yellow, etc. Dimensions below are approximate; images are shown actual size. For full images of each cutter, visit our website.



3/32" Shank



Ball-nose Cylinder 1/4" x 2/3"
SAB32BN14F Fine **\$30.80**
SAB32BN14C Coarse **\$30.80**



Flame 1/4" x 1/2"
SAB32F14F Fine **\$30.80**
SAB32F14C Coarse **\$30.80**



Bud 1/4" x 3/4"
SAB32BUD14F Fine **\$30.80**
SAB32BUD14C Coarse **\$30.80**



Flame 3/8" x .6"
SAB32F38F Fine **\$30.80**
SAB32F38C Coarse **\$30.80**



Cylinder 1/4" x 1/2"
SAB32C14F Fine **\$30.80**
SAB32C14C Coarse **\$30.80**



Sphere 1/4"
SAB32S14F Fine **\$30.80**
SAB32S14C Coarse **\$30.80**



Smooth-end Cylinder 1/4" x 1/2"
SAB32C14SEF Fine **\$30.80**
SAB32C14SEC Coarse **\$30.80**

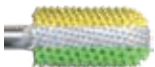


Roto-Saw 3/8" x 1/8"
SAB32RS38F Fine **\$30.80**
SAB32RS38C Coarse **\$30.80**



Taper 1/4" x 3/4"
SAB32T18F Fine **\$30.80**
SAB32T18C Coarse **\$30.80**

1/8" Shank



Ball-nose Cylinder 1/4" x 2/3"
SAB18BN14F Fine **\$25.42**
SAB18BN14XF X-Fine **\$25.42**
SAB18BN14C Coarse **\$25.42**



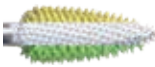
Smooth-end Cyl. 1/4" x 3/4"
SAB18C18SEF Fine **\$23.72**
SAB18C18SEC Coarse **\$23.72**



Ball-nose Cylinder 1/4" x 3/4"
SAB18BN18F Fine **\$23.72**
SAB18BN18C Coarse **\$23.72**



Dove-tail 3/8" x 1/2"
SAB18DT38F Fine **\$25.42**
SAB18DT38XF X-Fine **\$25.42**
SAB18DT38C Coarse **\$25.42**



Bud 1/4" x 3/4"
SAB18BUD14F Fine **\$25.42**
SAB18BUD14XF X-Fine **\$25.42**
SAB18BUD14C Coarse **\$25.42**



Dove-tail 3/8" x 1/2"
SAB18DT38SEF Fine **\$25.42**
SAB18DT38SEXF X-Fine **\$25.42**
SAB18DT38SEC Coarse **\$25.42**



Radiused Cylinder 1/2" x 1/2"
SAB18C12R2F Fine **\$28.40**
SAB18C12R2XF X-Fine **\$28.40**
SAB18C12R2C Coarse **\$28.40**



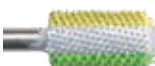
Eye Cutter 3/8" x 3/4"
SAB18EC38F Fine **\$25.42**
SAB18EC38XF X-Fine **\$25.42**
SAB18EC38C Coarse **\$25.42**



Smooth-end Cylinder 1/2" x 1/2"
SAB18C12SEF Fine **\$26.27**
SAB18C12SEXF X-Fine **\$26.27**
SAB18C12SEC Coarse **\$26.27**



Flame 1/4" x 1/2"
SAB18F14F Fine **\$25.42**
SAB18F14XF X-Fine **\$25.42**
SAB18F14C Coarse **\$25.42**



Cylinder 1/4" x 2/3"
SAB18C14F Fine **\$25.42**
SAB18C14XF X-Fine **\$25.42**
SAB18C14C Coarse **\$25.42**



Flame 3/8" x 5/8"
SAB18F38F Fine **\$25.42**
SAB18F38XF X-Fine **\$25.42**
SAB18F38C Coarse **\$25.42**



Smooth-end Cylinder 1/4" x 2/3"
SAB18C14SEF Fine **\$25.42**
SAB18C14SEC Coarse **\$25.42**



Roto-Saw 3/8" x 3/16"
SAB18RS38F Fine **\$25.42**
SAB18RS38C Coarse **\$25.42**



Cylinder 1/4" x 3/4"
SAB18C18F Fine **\$23.72**
SAB18C18C Coarse **\$23.72**



Long Taper 1/8" x 1"
SAB18T18LF Fine **\$25.42**
SAB18T18LC Coarse **\$25.42**

Saburrtooth™ Carbide Burs

All Cutters shown actual size

1/8" Shank (continued)



Roto-Saw 5/8" x 3/16"
 # SAB18RS58F Fine **\$25.42**
 # SAB18RS58XF X-Fine **\$25.42**
 # SAB18RS58C Coarse **\$25.42**



Sphere 1/4"
 # SAB18S14F Fine **\$25.42**
 # SAB18S14C Coarse **\$25.42**



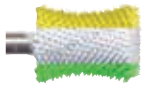
Taper 1/8" x 3/4"
 # SAB18T18F Fine **\$23.72**
 # SAB18T18C Coarse **\$23.72**



Taper 1/4" x 1/2"
 # SAB18T14F Fine **\$25.42**
 # SAB18T14XF X-Fine **\$25.42**
 # SAB18T14C Coarse **\$25.14**



Sphere 3/8"
 # SAB18S38F Fine **\$25.42**
 # SAB18S38XF X-Fine **\$25.42**
 # SAB18S38C Coarse **\$25.42**



Concave 3/8" x 1/2"
 # SAB18CC38F Fine **\$26.28**
 # SAB18CC38XF X-Fine **\$26.28**
 # SAB18CC38C Coarse **\$26.28**

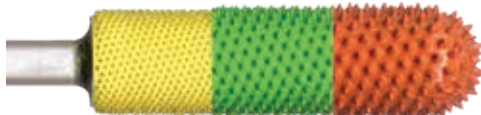


Concave 1/4" x 0.40"
 # SAB18CC14F Fine **\$25.42**
 # SAB18CC14C Coarse **\$25.42**

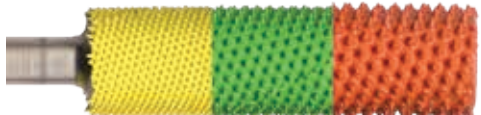


Smooth-end Concave 1/4" x 0.40"
 # SAB18CC14SEF Fine **\$25.42**
 # SAB18CC14SEC Coarse **\$25.42**

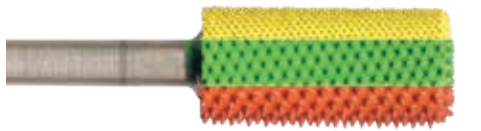
1/4" Shank Pages 28-31



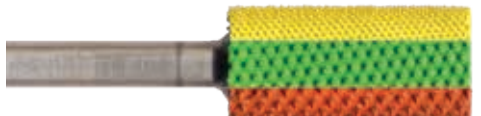
Ball-Nose 1/2" x 2" \$46.59 ea.
 Fine (Yellow) # SAB14BN12X2F
 Coarse (Green) # SAB14BN12X2C
 X-Coarse (Orange) # SAB14BN12X2XC



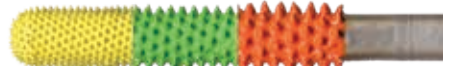
Smooth-end Cylinder 1/2" x 2" \$34.74 ea.
 Fine (Yellow) # SAB14C12X2SEF
 Coarse (Green) # SAB14C12X2SEC
 X-Coarse (Orange) # SAB14C12X2SEXC



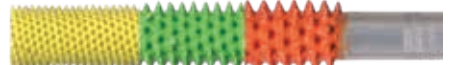
Cylinder 5/8" x 1-1/4" \$24.30 ea.
 Fine (Yellow) # SAB14C58LF
 Coarse (Green) # SAB14C58LC
 X-Coarse (Orange) # SAB14C58LXC



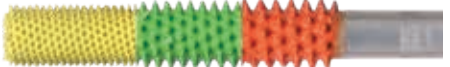
Smooth-end Cylinder 5/8" x 1-1/4" \$31.36 ea.
 Fine (Yellow) # SAB14C58LSEF
 Coarse (Green) # SAB14C58LSEC
 X-Coarse (Orange) # SAB14C58LSEXC



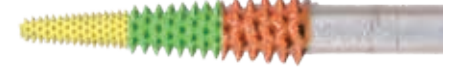
Ball-Nose 1/4" x 1-3/4" \$29.68 ea.
 Fine (Yellow) # SAB14BN14F
 Coarse (Green) # SAB14BN14C
 X-Coarse (Orange) # SAB14BN14XC



Smooth-end Cylinder 1/4" x 1-3/4" \$29.68 ea.
 Fine (Yellow) # SAB14C14SEF
 Coarse (Green) # SAB14C14SEC
 X-Coarse (Orange) # SAB14C14SEXC



Cylinder 1/4" x 1-3/4" \$29.68 ea.
 Fine (Yellow) # SAB14C14F
 Coarse (Green) # SAB14C14C
 X-Coarse (Orange) # SAB14C14XC



Taper 1/4" x 1-3/8" \$29.65 ea.
 Fine (Yellow) # SAB14T14F
 Coarse (Green) # SAB14T14C
 X-Coarse (Orange) # SAB14T14XC

Brass Brush Cleans Saburrtooth®, Typhoon™ and Dura-GRIT™ Burs. Dense brass bristles remove debris quickly and easily without damaging burs.

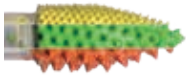


#RZ-BRASSBRUSH
\$6.18

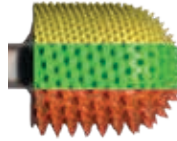
Saburrtooth™ Carbide Burs

All Cutters shown actual size

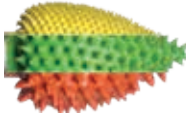
1/4" Shank (continued)



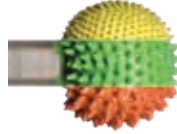
Flame 3/8" x 3/4" \$29.68 ea.
 # SAB14F38F Fine
 # SAB14F38C Coarse
 # SAB14F38XC X-Coarse



Ball-Nose 5/8" x 3/4" \$31.35 ea.
 # SAB14BN58F Fine
 # SAB14BN58C Coarse
 # SAB14BN58XC X-Coarse



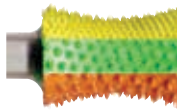
Flame 1/2" x 3/4" \$31.35 ea.
 # SAB14F12F Fine
 # SAB14F12C Coarse
 # SAB14F12XC X-Coarse



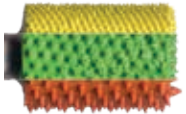
Sphere 5/8" \$33.04 ea.
 # SAB14S58F Fine
 # SAB14S58C Coarse
 # SAB14S58XC X-Coarse



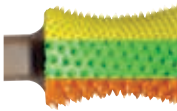
Ball-Nose 1/2" x 3/4" \$30.52 ea.
 # SAB14BN12F Fine
 # SAB14BN12C Coarse
 # SAB14BN12XC X-Coarse



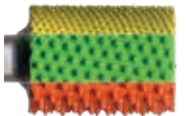
Concave 1/2" x 3/4" \$29.68 ea.
 # SAB14CC12F Fine
 # SAB14CC12C Coarse
 # SAB14CC12XC X-Coarse



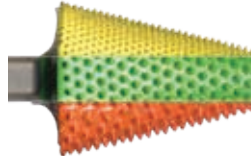
Cylinder 1/2" x 3/4" \$29.68 ea.
 # SAB14C12F Fine
 # SAB14C12C Coarse
 # SAB14C12XC X-Coarse



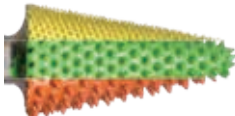
Smooth-end Concave 1/2" x 3/4" \$29.68 ea.
 # SAB14CC12SEF Fine
 # SAB14CC12SEC Coarse
 # SAB14CC12SEXC X-Coarse



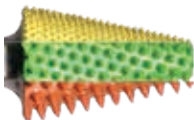
Smooth-end Cylinder 1/2" x 3/4" \$29.68 ea.
 # SAB14C12SEF Fine
 # SAB14C12SEC Coarse
 # SAB14C12SEXC X-Coarse



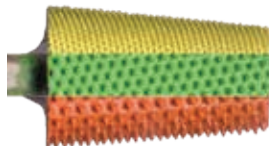
Smooth-end Taper 3/4" x 1" \$34.75 ea.
 # SAB14T34SEF Fine
 # SAB14T34SEC Coarse
 # SAB14T34SEXC X-Coarse



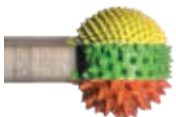
Taper 1/2" x 1" \$31.35 ea.
 # SAB14T12F Fine
 # SAB14T12C Coarse
 # SAB14T12XC X-Coarse



Smooth-end Taper 1/2" x 1" \$31.36 ea.
 # SAB14T12SEF Fine
 # SAB14T12SEC Coarse
 # SAB14T12SEXC X-Coarse



Smooth-end 5° Taper 3/4" x 1-1/4" \$42.36 ea.
 # SAB14T-5-34SEF Fine
 # SAB14T-5-34SEC Coarse
 # SAB14T-5-34SEXC X-Coarse

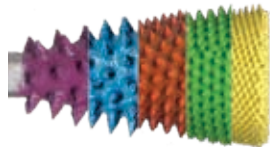


Sphere 1/2" \$31.35 ea.
 # SAB14S12F Fine
 # SAB14S12C Coarse
 # SAB14S12XC X-Coarse

Saburrtooth™ Carbide Burs

All Cutters shown actual size

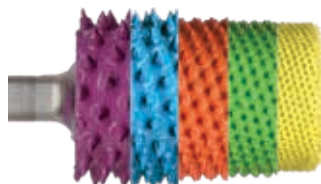
1/4" Shank



Dove Tail 3/4" x 1-3/8"

\$36.43-\$41.92 ea.

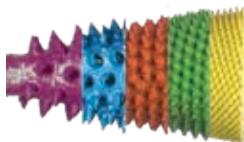
- # SAB14DT34F Fine
- # SAB14DT34C Coarse
- # SAB14DT34XC X-Coarse
- # SAB14DT34S125 125 Blue
- # SAB14DT34S132 132 Purple



Cylinder 3/4" x 1-1/4"

\$34.75-\$39.96 ea.

- # SAB14C34F Fine
- # SAB14C34C Coarse
- # SAB14C34XC X-Coarse
- # SAB14C34S125 125 Blue
- # SAB14C34S132 132 Purple



Smooth-end Dove Tail 3/4" x 1-3/8"

\$36.43-\$41.92 ea.

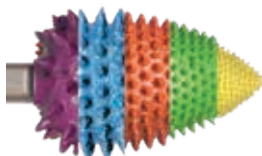
- # SAB14DT34SEF Fine
- # SAB14DT34SEC Coarse
- # SAB14DT34SEXC X-Coarse
- # SAB14DT34SES125 125 Blue
- # SAB14DT34SES132 132 Purple



Smooth-end Cylinder 3/4" x 1-1/4"

\$34.75-\$39.96 ea.

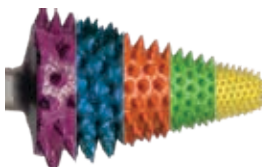
- # SAB14C34SEF Fine
- # SAB14C34SEC Coarse
- # SAB14C34SEXC X-Coarse
- # SAB14C34SE125 125 Blue
- # SAB14C34SES132 132 Purple



Flame 3/4" x 1-1/4"

\$36.44-\$41.92 ea.

- # SAB14F34F Fine
- # SAB14F34C Coarse
- # SAB14F34XC X-Coarse
- # SAB14F34S125 125 Blue
- # SAB14F34S132 132 Purple



Taper 3/4" x 1"

\$34.74-\$39.96 ea.

- # SAB14T34F Fine
- # SAB14T34C Coarse
- # SAB14T34XC X-Coarse
- # SAB14T34S125 125 Blue
- # SAB14T34S132 132 Purple



Ball-Nose 3/4" x 1-1/4"

\$36.43-\$41.92 ea.

- # SAB14BN34F Fine
- # SAB14BN34C Coarse
- # SAB14BN34XC X-Coarse
- # SAB14BN34S125 125 Blue
- # SAB14BN34S132 132 Purple

Check out
our on-line store for more
Saburrtooth™ products
including wheels & discs,
buzzouts, sanding sleeves
and other accessories.

Saburrtooth® and Typhoon™ images in this catalogue show each cutter divided into various available grits. Images are for illustration purposes only: white shows extra-fine tooth pattern, the yellow portion shows what the fine tooth pattern looks like, green shows the coarse tooth pattern, orange shows extra-coarse tooth pattern, blue shows supreme 125 and purple is supreme 132 (most aggressive). Any cutters you order will be a solid colour with only one tooth pattern. For example, the coarse cutter will be solid green, fine will be yellow, etc. Dimensions shown are approximate; images are shown actual size. For full images of each cutter, visit our website.

Saburrtooth™ Carbide Burs

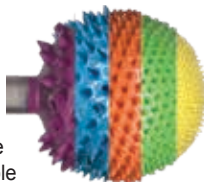
All Cutters shown actual size

1/4" Shank



Sphere 7/8"

- \$36.43-\$41.92 ea.**
 # SAB14S78F Fine
 # SAB14S78C Coarse
 # SAB14S78XC X-Coarse
 # SAB14S78S125 125 Blue
 # SAB14S78S132 132 Purple



Sphere 1"

- \$38.13-\$43.86 ea.**
 # SAB14S1F Fine
 # SAB14S1C Coarse
 # SAB14S1XC X-Coarse
 # SAB14S1S125 125 Blue
 # SAB14S1S132 132 Purple



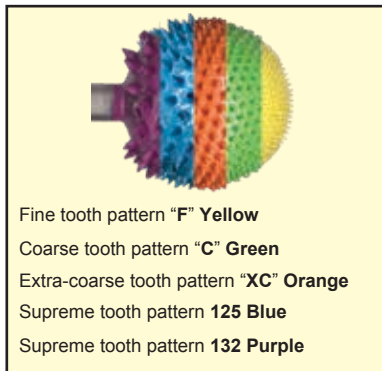
Radius-end Cylinder 1"x 1"

- \$36.44 ea.**
 # SAB14C1R2F Fine
 # SAB14C1R2C Coarse
 # SAB14C1R2XC X-Coarse



Smooth-end Cylinder 1"x 1"

- \$31.36 ea.**
 # SAB14C1SEF Fine
 # SAB14C1SEC Coarse
 # SAB14C1SEXC X-Coarse

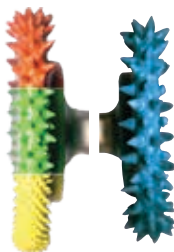


- Fine tooth pattern "F" **Yellow**
 Coarse tooth pattern "C" **Green**
 Extra-coarse tooth pattern "XC" **Orange**
 Supreme tooth pattern **125 Blue**
 Supreme tooth pattern **132 Purple**



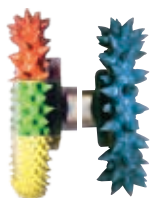
Roto-Saw 3/4"x 1/4"

- \$29.68-\$34.13 ea.**
 # SAB14RS34F Fine
 # SAB14RS34C Coarse
 # SAB14RS34XC X-Coarse
 # SAB14RS34S125 125 Blue



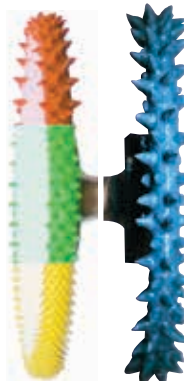
Roto-Saw 1-1/4"x 1/4"

- \$33.05-\$38.01 ea.**
 # SAB14RS125F Fine
 # SAB14RS125C Coarse
 # SAB14RS125XC X-Coarse
 # SAB14RS125S125 125 Blue



Roto-Saw 1"x 1/4"

- \$31.35-\$36.07 ea.**
 # SAB14RS100F Fine
 # SAB14RS100C Coarse
 # SAB14RS100XC X-Coarse
 # SAB14RS100S125 125 Blue



Roto-Saw 2"x 1/4"

- \$45.75-\$52.61 ea.**
 # SAB14RS2F Fine
 # SAB14RS2C Coarse
 # SAB14RS2XC X-Coarse
 # SAB14RS2S125 125 Blue

Saburrtooth™ Carbide Wheels

4" Wheels - 5/8" Bore \$108.19-\$139.68

4" Sanding Disc, 5/8" Bore

- #SABSD45058 - Fine
- #SABSD47058 - Medium
- #SABSD49058 - Coarse
- #SABSD412558 - XCoarse

4" Donut Wheel, 5/8" Bore

- #SABDW45058- Fine
- #SABDW47058 - Medium
- #SABDW49058 - Coarse
- #SABDW412558 - XCoarse

4" Donut Wheel w/Holes, 5/8" Bore

- #SABDW450H58 - Fine
- #SABDW470H58 - Medium
- #SABDW490H58 - Coarse
- #SABDW4125H58 - XCoarse

4" Sanding Disc w/Holes, 5/8" Bore

- #SABSD450H58 - Fine
- #SABSD470H58 - Medium
- #SABSD490H58 - Coarse
- #SABSD4125H58 - XCoarse

4" Wheels - 7/8" Bore \$103.18-\$106.26

4" Sanding Disc, 7/8" Bore

- #SABSD45078 - Fine
- #SABSD47078 - Medium
- #SABSD49078 - Coarse
- #SABSD412578 - XCoarse

4" Donut Wheel, 7/8" Bore

- #SABDW45078 - Fine
- #SABDW47078 - Medium
- #SABDW49078 - Coarse
- #SABDW412578 - XCoarse

4" Donut Wheel w/Holes, 7/8" Bore

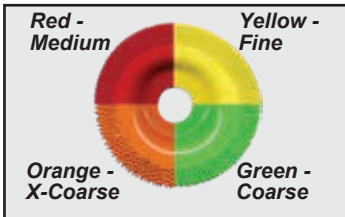
- #SABDW450H78 - Fine
- #SABDW470H78 - Medium
- #SABDW490H78 - Coarse
- #SABDW4125H78 - XCoarse

4" Sanding Disc w/Holes, 7/8" Bore

- #SABSD450H78 - Fine
- #SABSD470H78 - Medium
- #SABSD490H78 - Coarse
- #SABSD4125H78 - XCoarse

4" Flat Grooving Disc, 7/8" Bore

- #SABFD450 - Fine
- #SABFD470 - Medium
- #SABFD490 - Coarse
- #SABFD4125 - XCoarse



2" Donuts or Wheels - 3/8" Bore \$59.69-\$75.83

2" Donut Wheel, 3/8" Bore

- #SABDW250 - Fine
- #SABDW270 - Coarse
- #SABDW290 - XCoarse

2" Sanding Disc, 3/8" Bore

- #SABSD250 - Fine
- #SABSD270 - Coarse
- #SABSD290 - XCoarse

2" Flat Grooving Wheel, 3/8" Bore

- #SABFD250 - Fine
- #SABFD270 - Coarse
- #SABFD290 - XCoarse

2" Sanding Disc w/ Holes 3/8" Bore

- #SABSD250H - Fine
- #SABSD270H - Coarse
- #SABSD290H - XCoarse

2" Donut Wheel w/Holes 3/8" Bore

- #SABDW250H - Fine
- #SABDW270H - Coarse
- #SABDW290H - XCoarse



Power Carving - Texturing

Green Texturing Stones (Med) \$5.60 each

-  # STGR601
-  # STGR603
-  # STGR609
-  # STGR613
-  # STGR632
-  # STGR633
-  # STGR637
-  # STGR638
-  # STGR639
-  # STGR665
-  # STGR666
-  # STGR667

Brown Texturing Stones (Med) \$5.60 each

-  # STBR1
-  # STBR10
-  # STBR12
-  # STBR15
-  # STBR16
-  # STBR17
-  # STBR503
-  # STBR509
-  # STBR510
-  # STBR516
-  # STBR525

All stones are shown actual size

White Texturing Stones (Fine) \$5.60 each

-  # STWH603
-  # STWH607
-  # STWH612
-  # STWH633
-  # STWH637
-  # STWH638
-  # STWH639
-  # STWH665
-  # STWH666
-  # STWH667

"V" Stones. Very aggressive vitrified aluminum oxide stones that cut virtually any material except hard stone. Very cool-running and long-lasting. At approximately 80 grit, they are the most aggressive stones made. Can be used to shape, texture and detail carvings. An economical alternative to diamond burs.

\$10.25 each













-  # V327
-  # V337
-  # V357
-  # V367
-  # V397

All stones are shown actual size

CeramCut Blue™ Stones. Made from ceramic, they are very uniform and hard and will cut most materials well. They dress to a very nice shape, they cut better and last a lot longer than conventional stones.

\$9.75 each

Fine (120) Grit

-  # CK301*
-  # CK302*
-  # CK322*
-  # CK375
-  # CK332*
-  # CK342*
-  # CK350
-  # CK352*
-  # CK360
-  # CK390
-  # CK392*
-  # CK396

Medium (80) Grit

-  # CK300*
-  # CK318*
-  # CK354
-  # CK398

Coarse (60) Grit

-  # CK356

* included in HK29 set (below)



Set of 9 CeramCut stones

in a plastic case

CK300, CK301, CK302,
CK318, CK322, CK332,
CK342, CK352 & CK392
HK29 \$53.85

Power Carving - Specialty Abrasives

Diamond Hone

Fine hone is great for dressing and shaping texturing sticks and all stones including "V" stones, white, green, brown and Ceramcut Blue. Simply run the spinning stone into the diamond hone to reshape. Can also be used to sharpen carbide. Overall approx. 6" x 3/4" (diamond plate is approx. 2"x 3/4"). # 10343 **\$19.00 ea.**



Ceramic Texturing Sticks



(Shown Actual Size)

Solid 3/32" diameter ceramic abrasive sticks will fit directly into your rotary tool. Each end can be shaped with our diamond hone (above) in much the same way as conventional texturing stones. Ceramic sticks will outlast conventional stones by many times - and when the edge wears down, you simply re-dress the stick, making it a bit shorter. Because they are uniform in diameter, they are absolutely vibration-free and they cut cleaner and smoother than any other texturing tool. Ceramic sticks can be dressed down to a very fine point - much finer than any stone. Available in 8 grits from #120 for delicate yet controlled wood removal (great for bills and eye areas) to #1200 for very fine texturing in softer woods like tupelo. Coarser grits work very well when shaped to a flame or point and used much like a ruby or diamond. Finer grits can be shaped to very small cylinders or tapers for extremely fine detail work. Surface clean-up can be done quickly and easily with a fine bristle disk for amazing results! Sticks can also be cut in half using a cut-off wheel, giving you 4 ends to shape instead of 2.

Grit	Colour	Item#
120	Emerald	CS0120
180	Gold	CS0180
300	Lt. Brown	CS0300
400	Lt. Orange	CS0400
600	Dk. Brown	CS0600
800	Blue	CS0800
1000	White	CS1000
1200	Red-orange	CS1200

\$23.95 ea.

Bandsaw Blades

Bandsaws are one of the least understood machines that carvers use. Having the right blade can make a huge difference in the ease of cutting out your blanks. The Olson blades we sell are 3/16" deep, 4 teeth per inch (TPI), skip tooth. To demonstrate their great ability to cut curves, you can trace a dime on a thick block of wood and then cut entirely around *inside* the dime profile. Olson blades are very sharp, smooth cutting (for a 4TPI blade), and long-lasting. Each blade is precision-welded and guaranteed against defective welds. Available from stock in common sizes listed below. Other sizes are available by special order.



Is your blade size not listed here? Give us a call and we'll get the right size for you. It's still covered by our satisfaction guaranty and can be returned if you don't like it. If you do like it, we'll be happy to add your blade size and keep them in stock for you.

Length	Item #	Price	Length	Item #	Price	Length	Item #	Price
60"	BLADE316-60	25.70	85"	BLADE316-85	27.05	105"	BLADE316-105	28.55
62"	BLADE316-62	25.70	88"	BLADE316-88	27.05	105.5"	BLADE316-1055	28.55
67"	BLADE316-67	25.70	91"	BLADE316-91	27.05	106.5"	BLADE316-1065	28.55
70.5"	BLADE316-705	27.05	92.5"	BLADE316-925	27.05	111"	BLADE316-111	28.55
71-3/4"	BLADE316-7175	27.05	93.5"	BLADE316-935	27.05	117"	BLADE316-117	28.55
72.5"	BLADE316-725	27.05	94.5"	BLADE316-945	27.05	125"	BLADE316-125	28.55
78"	BLADE316-78	27.05	99.75"	BLADE316-9975	27.05	132"	BLADE316-132	28.55
80"	BLADE316-80	27.05	100"	BLADE316-100	27.05	133"	BLADE316-133	28.55
82"	BLADE316-82	27.05	101"	BLADE316-101	27.05	145"	BLADE316-145	28.55
			104.5"	BLADE316-1045	28.55			

Custom sizes available - Call for pricing and delivery. For more sizes check mapleandbass.com

See [page 78](#) for "The New Complete Guide to the Bandsaw" # BK8411 **\$23.95**

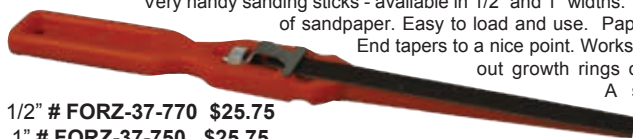
Sanding Sticks and Blocks

Sanding Sticks and Blocks

Very handy sanding sticks - available in 1/2" and 1" widths. Uses 11" long strips of sandpaper. Easy to load and use. Paper is held very firm.

End tapers to a nice point. Works very well to smooth out growth rings on working decoys.

A super-useful item!
10" long overall.



1/2" # FORZ-37-770 \$25.75

1" # FORZ-37-750 \$25.75



These great spring-loaded sanding blocks use a small belt - easily made from sandpaper of your choice with the 1" super-bond tape (see below). Easy to load and re-position for long paper life. Works on flat and concave surfaces; a real time-saver! Available in 3/4" and 1/2" widths.

5-1/4" overall length. Supplied with one paper belt.

3/4" # FORZ-37-790 \$8.20

1-1/2" # FORZ-37-795 \$11.75

Super-Bond tape for making belts from almost any sandpaper.

1"x 36 yd. Very sticky, very strong. # FORZ-37-959 \$22.75 /roll

Small Sanding Sticks and Belts



These small sanding sticks are useful for all kinds of clean-up work on carvings of almost any size. Available in 5 different grits - each one colour-coded for easy identification of the different grits. Each stick comes with one belt installed. Belts are easily replaced by pushing on a spring-loaded mechanism that makes the stick shorter. Belts can also be rotated slightly to expose fresh grit on the pointed end of the stick. Actual size of stick is shown at right.

Sanding Sticks are \$8.80 each
Replacement belts are \$31.50 /pkg 10

Grit	Handle Colour	Stick Item #	Pkg of 10 Replacement Belts Item #
120	Red	GC11571	GC11576
240	Blue	GC11572	GC11577
320	Green	GC11573	GC11578
400	Yellow	GC11574	GC11579
600	Black	GC11575	GC11580

HINT

Sanding belts and blocks can easily be cleaned using a crepe block, like our Item # CLN on page 22. Simply rub the crepe briskly over the sandpaper surface to remove build-up. A crepe block also works great on ruby carvers, sanding drums and disks.

Swiss Sandpaper

Swiss Burgundy Sandpaper. Probably the best sandpaper made. Cloth-backed, very flexible, with very sharp grit that stays on the backing. Great for hand sanding or for use on the cushion sanders (page 20). Also works very well when wrapped around a tapered or split mandrel (page 19 & 20). An exceptional product! Supplied in 4" rolls. \$5.25/yd all grits.

80 grit (fairly coarse) # SIA80 120 grit (medium) # SIA120 150 grit (medium) # SIA150
220 grit (medium/fine) # SIA220 320 grit (fine) # SIA320 400 grit (very fine) # SIA400
600 grit (super fine) # SIA600

Swiss Yellow paper-backed Sandpaper. Long-lasting paper-backed sandpaper with sharp durable grit. Excellent for making sanding sticks (glued to a thin board). 4" roll x 1 yd.

80 grit (very coarse) # SIA96080 \$2.45
120 grit (coarse) # SIA960120 \$2.45



Shown actual size

Glue & Epoxy Putty

CA (Cyanoacrylate) Glue

Sometimes called super glue, CA glue is very versatile and popular for many applications from general repair to strengthening and fabrication. CA glue is a premium high-quality glue that forms a very strong, permanent bond with almost any material.

Thin: Fast-cure, water-thin CA for soaking and strengthening wooden parts (bills, toes) and for gluing non-porous items (ceramic, plastics, etc.). Will wick into hairline cracks.

Gap Filling: Fast-cure, general purpose for most gluing needs including most wood, leather, etc. Slight gap-filling ability.

Extra Thick: Medium-cure, for building up and gluing porous materials. Great gap-filling ability allows gluing of surfaces that don't conform well and dis-similar materials.

Accelerator: Available in 2 oz. pump spray bottle. Instantly cures all CA glues on contact. Particularly useful with thick CA glue for gap-filling and building up thick areas.



Item #	Description	Price	Item #	Description	Price
BSI101	THIN 1/2 oz.	9.20	BSI111	THICK 1/2 oz.	9.20
BSI102	THIN 1 oz.	13.25	BSI112	THICK 1 oz.	13.25
BSI103	THIN 2 oz.	21.40	BSI113	THICK 2 oz.	21.40
BSI106	GAP FILLING 1/2 oz.	9.20	BSI151	Accelerator Spray Bottle 2 oz.	12.25
BSI107	GAP FILLING 1 oz.	13.25	BSI152	Accelerator 8 oz. Refill	24.30
BSI108	GAP FILLING 2 oz.	21.40	BSI161	Un-cure Debonder 1 oz.	8.10

Jeweller's Epoxy Glue (1 fl. oz. kit)

This is one of the best general-purpose epoxy glues we have used. It is a high-quality epoxy that dries quite clear and bonds very well to almost any surface. It sets up in 4 minutes. Ideal for setting tubing into habitat and for re-attaching lower mandibles on fish, bird and whale carvings, as well as any application where a relatively fast, permanent gap-filling glue joint is required. Mix equal amounts of parts A and B.

GC120451 \$7.19



Quickwood Epoxy Wood Filler

An easy to use 2-part epoxy putty - very popular for setting eyes, building up feet and making habitat. Much faster setup time than Aves® (next page) for those times when you're in a bit of a hurry (like the evening before the big competition). Great for small patching jobs. Will not shrink or crack. Can be carved, sanded or drilled when hard. Supplied in 2oz (55g) tube.

QWOOD \$13.95



FAQs

FAQ: How do I decide what type of glue is best?

A. Generally speaking, epoxy is best for filling gaps and potting things (like brass tubing in a base for example - just be sure to plug the end of the tubing before potting it into epoxy). Epoxy bonds to metal better than CA glue. Because it is a chemical cure (most epoxies will even cure underwater) it will set up even deep into a hole or inside the item being glued - or in green or damp wood. CA glue doesn't set well in a deep hole or where it doesn't have access to the air. You can even mix sawdust with epoxy to make a paste that varies in consistency from syrup-like to peanut-butter - or even thicker and use it like a putty or paste.

CA glue also has many great uses. Thin CA is great for soaking (unfinished) delicate wooden parts like pointed bird beaks to strengthen them. Medium and thick CA can be used to quickly glue most materials together. If you break off a piece of your woodcarving, it can be put back into position and a drop of thin or medium CA applied for a repair that's nearly invisible. CA glue joints tend to be much thinner than epoxy joints. Both CA and epoxy accept paint well (especially when sealing with PYRO STUDIO™ Sealer). CA and epoxy can be used on the same glue joint with no problem - for example you might wish to quickly tack something together with CA glue and then fill in any gaps with epoxy. Just be sure that the CA glue is dry before applying the epoxy. Still have questions? Give us a call and tell us what you want to do; we'll advise you on the best product for your application (even if it's a product we don't carry.....).



QUIK-CURE™ Epoxy

QUIK-CURE™ 5 min. epoxy cures to a slightly flexible consistency. It can be mixed with sawdust to form a quick setting putty. Items bonded with QUIK-CURE™ can be handled after 15 minutes. Full strength is reached in 1 hour.

Item #	Description	Price
BSI201	Quick-Cure 4.5 oz.	22.90
BSI202	Quick-Cure 9 oz.	36.40
BSI203	Mid-Cure 4.5 oz.	22.90
BSI205	Slow-Cure 4.5 oz.	22.90
BSI209	Finish-Cure 4.5 oz.	29.70

Epoxy Putty (continued)

Aves® Critter Clay™ Self-Hardening Clay



#1 choice of taxidermists and professionals worldwide because of its great detail, fine texture and low shrinkage rate. Air dries to a hard finish. It is a lightweight, extra strong, ready to use, moist, water-based modeling clay. Safe, non-shrinking, non-cracking and non-hazardous. Accepts all paints. Critter Clay™ is used in wildlife art studios, museums, schools and motion picture studios.

1 lb. # AV-CC1 **\$9.45**
5 lb. # AV-CC5 **\$47.65**

Aves® Apoxie® Clay Epoxy



Apoxie® Clay is the ultimate permanent, self-hardening synthetic clay. It combines the features and benefits of sculpting clay with those of epoxy. It offers enhanced detail properties, plasticity, accuracy and handling features, making it very user-friendly. Apoxie® Clay offers superior modeling, impressions and detail finishing, with a flat skin-like texture.

1 lb. # AV-AC1 **\$53.85**



Yellow/Blue Epoxy The finest-grained epoxy we carry - takes very fine details. 15-20 min. working time; hardens in 1.5 hours or so.

9" ribbon (approx. 25 g or .9 oz.) # EPGR25 **\$10.50**
36" roll (approx. 100 g or 3.5 oz.) # EPGR36 **\$39.95**
7" Bar (approx. 120 g or 4 oz.)
(2x3.5" are cut & mix equal amounts) # EPGR35 **\$36.95**

Aves® Apoxie® Sculpt Epoxy Putty

2-part epoxy has a putty-like, smooth consistency, and is easy to mix and use. It is safe and waterproof with 0% shrinkage or cracking. Ample working time up to 2-3 hrs. Cures hard in 24 hrs.

1/4 lb. # AV-AS025 **\$26.95**
1 lb. # AV-AS1 **\$47.65**



Aves® Power Pack



A perfect way to try Aves products. Pack contains 1/4 lb each of Apoxie® Sculpt, Apoxie® Clay and Fixit® Sculpt as well as 1 fl. oz. ea Apoxie® Paste and Aves® Safety Solvent. # AV-PP **\$89.25**

Aves® Safety Solvent



Great for smoothing, feathering, texturing and cleaning all types of uncured epoxy products from tools and brushes. Water clean-up. Very low odour and fumes. Can use it whenever he works with epoxy putty. 1 oz. bottle # AV-SS1 **\$12.80**
4 oz. bottle # AV-SS4 **\$24.95**

Aves® Apoxie® Paste



Thinner than putty, thicker than epoxy glue. Fills gaps. Ideal for spreading and filling when putty is too thick. 1-3 hour working time; 24 hour cure. 1 oz. tube. # AV-AP1 **\$23.40**

FAQs

FAQ: Are there any fillers that I can burn detail into?

A: Short answer: no. Now, before you go sending me an email telling me about the latest greatest filler that you just burned detail into, let me explain. All wood fillers and epoxies contain mostly synthetic (ie. plastic) components that will at best melt, or more likely disintegrate when heated hot enough to burn wood. Some fillers contain some natural wood fibre, but there is still lots of plastic in them to melt. They get all squishy (pardon the technical term) when heated. This causes the glue to pull out of the mated wood surfaces in between burn lines, making the joint apparent. In my experience, there is no truly burnable filler (believe me, I've tried them all). That being said, some carvers have achieved limited success using a woodburning tip that has a bit of a bur on its edge, at very low heat. Basically they have been scratching the filler, not burning it. Temperature is critical here - just a bit too hot and you have a mess. Unfortunately a sharp, shiny tip like we supply on new Razertip pens won't give very good results in filler - you would have to scratch the tip up first. Best, and safest results are obtained by stoning texture into epoxy using ceramic sticks or texturing stones. In areas adjacent to neck joints it works well to incorporate a mixture of stoning and burning as you get closer to the joint itself. It is always best to keep a hot burning tip away from any glue or putty joints.

Metal Rod, Tube and Sheet



Brass rod, tubing and sheet is unmatched for making structural components on your carvings. It's great for bird feet, branches, leaves and structural support. All brass tubing and rod telescopes, allowing you to increase diameter by inserting rod or tube into the next larger available size (for example: a 1/16" rod or tube will fit into a 3/32" tube, which will then fit into a 1/8" tube and so forth). Square tubing works the same way and is used by many carvers for structural support because its square profile prevents mounted items from rotating in the tube. Brass sheet is ideal for making leaves and loose bark and for webbing in duck feet. The .002" and .005" brass cuts easily with scissors and is easily bent, formed, and embossed without any special tools. We also offer a small package of very thin brass (.001" - .005") that is ideal for habitat and very nice to work with. All of the brass solders easily and can be carved or ground using carbide cutters or small cut-off wheels. We recommend sealing brass components with PYRO STUDIO™ Sealer ([page 98](#)) before painting - the PYRO STUDIO™ Sealer gives a super base on which to paint with acrylics, oils or with an airbrush.

We also have a selection of aluminum and copper tubing and sheet material available.

For those who are able to pick up their orders, we carry a selection of 36" brass rod and tube as well. Sorry, we are not able to ship any of the 36" items.

Brass Rod and Tubing

Round Brass Tube (12" lengths)			Solid Brass Rod (12" lengths)		
Size	Item #	Price	Size	Item #	Price
1/16" (3 pcs/pkg) (1/32" inside)	KS1251	5.55/pkg	.020" (5 pcs/pkg)	KS1596	3.20/pkg
3/32" (3 pcs/pkg) (1/16" inside)	KS1268	5.75/pkg	1/32" (.031") (5 pcs/pkg)	KS1602	3.20/pkg
1/8" (3/32" inside)	KS0127	2.55 ea.	3/64" (.046") (4 pcs/pkg)	KS1619	3.20/pkg
5/32" (1/8" inside)	KS0128	3.10 ea.	1/16" (.063") (3 pcs/pkg)	KS1626	3.45/pkg
3/16" (5/32" inside)	KS0129	3.45 ea.	.072" (3 pcs/pkg)	KS1695	3.90/pkg
7/32" (3/16" inside)	KS0130	3.75 ea.	.081" (3 pcs/pkg)	KS1688	5.30/pkg
1/4" (7/32" inside)	KS0131	4.30 ea.	3/32" (.094")	KS0163	1.95 ea.
9/32" (1/4" inside)	KS0132	4.75 ea.	.114" (2 pcs/pkg)	KS1671	5.55/pkg
5/16" (9/32" inside)	KS0133	5.30 ea.	1/8" (.125")	KS0164	3.10 ea.
11/32" (5/16" inside)	KS0134	5.75 ea.	5/32" (.156")	KS0165	3.90 ea.
3/8" (11/32" inside)	KS0135	6.00 ea.	3/16" (.188")	KS0166	5.30 ea.
13/32" (3/8" inside)	KS0136	6.50 ea.	Round Brass Tube and Rod (36" Lengths) <i>Pick-up only - we cannot ship 36" items.</i>		
7/16" (13/32" inside)	KS0137	6.80 ea.			
15/32" (7/16" inside)	KS0138	7.05 ea.	1/16" Tube	KS1143	5.75 ea.
1/2" (15/32" inside)	KS0139	7.45 ea.	3/32" Tube	KS1144	6.00 ea.
17/32" (1/2" inside)	KS0140	8.10 ea.	1/8" Tube	KS1145	6.80 ea.
9/16" (17/32" inside)	KS0141	8.55 ea.	5/32" Tube	KS1146	8.10 ea.
19/32" (9/16" inside)	KS0142	8.75 ea.	1/16" Rod (2 pcs/pkg)	KS1160	6.50/pkg
5/8" (19/32" inside)	KS0143	9.30 ea.	3/32" Rod	KS1161	5.75 ea.
21/32" (5/8" inside)	KS0144	9.75 ea.	1/8" Rod	KS1162	8.30 ea.
1/8" (2 pcs/pkg) Soft Brass (easy to bend)	KS1213	4.75/pkg	5/32" Rod	KS1163	10.80 ea.

Brass Tube, Sheet and Strips

Square Brass Tube (12" lengths)			Brass Sheet (cont.)		
Size	Item #	Price	.002" 5"x7" (3 sheets)	KS6101	11.25/pkg
1/16" (2 pcs/pkg) (1/32" inside)	KS1497	5.30/pkg	.002" 12"x30" Roll	KS6005	31.35/roll
3/32" (2 pcs/pkg) (1/16" inside)	KS1503	6.00/pkg	Brass Strips (12" lengths)		
1/8" (3/32" inside)	KS0151	3.75 ea.	.016" x 1/4"	KS0230	1.95 ea.
5/32" (1/8" inside)	KS0152	3.90 ea.	.016" x 1/2"	KS0231	2.25 ea.
3/16" (5/32" inside)	KS0153	4.30 ea.	.016" x 3/4"	KS0233	2.55 ea.
7/32" (3/16" inside)	KS0154	4.50 ea.	.016" x 1"	KS0232	3.45 ea.
1/4" (7/32" inside)	KS0155	5.10 ea.	.016" x 2"	KS0234	6.00 ea.
Rectangular & Hexagon Brass Tube (12")			.025" x 1/4"	KS0235	2.25 ea.
3/32" x 3/16" Rect.	KS0262	6.80 ea.	.025" x 1/2"	KS0236	2.75 ea.
1/8" x 1/4" Rect.	KS0264	8.35 ea.	.025" x 3/4"	KS0238	3.75 ea.
5/32" x 5/16" Rect.	KS0266	8.55 ea.	.025" x 1"	KS0237	5.10 ea.
3/16" x 3/8" Rect.	KS0268	8.80 ea.	.025" x 2"	KS0239	9.60 ea.
3/32" Hexagon	KS0271	3.45 ea.	.032" x 1/4"	KS0240	2.55 ea.
1/8" Hexagon	KS0272	3.90 ea.	.032" x 1/2"	KS0241	3.25 ea.
5/32" Hexagon	KS0273	6.50 ea.	.032" x 3/4"	KS0243	4.75 ea.
3/16" Hexagon	KS0274	6.80 ea.	.032" x 1"	KS0242	6.00 ea.
Brass Sheet			.032" x 2"	KS0244	12.10 ea.
4 Assorted: 3"x6" - .001", .002", .003" & 4"x4" .005"	KS0258	9.05/pkg	.064" x 1/4"	KS0245	3.25 ea.
.005" 4"x10"	KS0250	5.50 ea.	.064" x 1/2"	KS0246	6.40 ea.
.010" 4"x10"	KS0251	7.05 ea.	.064" x 3/4"	KS0247	9.05 ea.
.015" 4"x10"	KS0252	10.50 ea.	.064" x 1"	KS0248	12.25 ea.
.032" 4"x10"	KS0253	20.05 ea.	.064" x 2"	KS0249	22.60 ea.

Stay-Brite™ Lead-free Silver Bearing Solder



This is the best solder I've found for overall workability, ease of use and strength. Sold as a starting kit with a small 1/2 oz. bottle of flux and 1/2 oz. of Stay-Brite silver solder. Solder is also available by the foot (should always be used with flux). It's great for soldering brass and copper to make feet and toes as well as for making branches and other habitat items. Can be used with a regular soldering iron, but is up to 4 times stronger than regular electrical solder. Its characteristics reduce the likelihood of previously soldered parts falling off when soldering more parts.

Solder/flux kit

GC54452

\$58.80

Stay-Brite Solder 1/16" dia., sold per foot

GC54456-1

\$4.90/foot

Aluminum, Copper and Tin

While brass is by far the best and most popular material for making feet and habitat, we occasionally get requests for other materials. Aluminum is ideal for making armatures for clay models (copper and brass can react and discolour many types of clay). Copper tube and sheet is also nice for habitat construction and we offer it here for those who prefer to use copper. Tin sheet can be used for inlay, embossing or punching and is not as prone to tarnishing as brass or copper. Tin and aluminum are not suitable to solder, but can be glued with epoxy glue. ([See page 36](#))

Aluminum Tube (12" lengths)			Aluminum Sheet		
Size	Item #	Price	Size	Item #	Price
1/16" (3 pcs/pkg) (1/32" inside)	KS1008	3.75/pkg	.016" 4" x 10"	KS0255	3.75 ea.
3/32" (3 pcs/pkg) (1/16" inside)	KS1015	3.90/pkg	.032" 4" x 10"	KS0256	4.60 ea.
1/8" (3 pcs/pkg) (3/32" inside)	KS1022	4.50/pkg	.064" 4" x 10"	KS0257	8.10 ea.
5/32" (1/8" inside)	KS0103	2.25 ea.	Copper Sheet		
3/16" (5/32" inside)	KS0104	2.25 ea.	.025" 4" x 10"	KS0259	18.20 ea.
7/32" (3/16" inside)	KS0105	2.55 ea.	Copper Tube (12" lengths)		
1/4" (7/32" inside)	KS0106	2.55 ea.	1/16" (3 pcs/pkg) (1/32" inside)	KS1176	4.50/pkg
9/32" (1/4" inside)	KS0107	2.75 ea.	3/32" (3 pcs/pkg) (1/16" inside)	KS1186	5.30/pkg
Tin Sheet			1/8" (3/32" inside)	KS0120	2.55 ea.
.008" 4" x 10"	KS0254	3.45 ea.	5/32" (1/8" inside)	KS0119	2.55 ea.

Working with metal

Cutting: Cut tubing with a small cut-off wheel or a jeweller's saw to leave a round cross-section (cutting tubing with snips will crush the tubing). You can cut rod the same way (you can also use snips or shears on smaller diameter rod 1/8" or less). Sheet and strip stock can usually be cut with scissors or tin snips. Thicker sheets and strips can be cut with a jeweller's saw or scrollsaw with a fine jeweller's blade.

Bending: Most brass and copper will bend easily using fingers, pliers or a vise. Be careful when bending tubing as the sides can collapse. If you must bend tubing, try sliding a piece of rod inside where the bend will be to prevent wall collapse.

Joining: You can join two pieces of tubing by soldering a small rod into the joint. Telescoping the tubing to make a gradually diminishing branch diameter works very well with the brass tubing.

Soldering: One of the great things about brass is that it accepts solder readily, however it is still very important that the metal is clean. Lightly sand any areas to be soldered with 400 grit or finer paper and be sure to use a suitable flux. Generally speaking, the flux in the core of most electrical solders is *not* sufficient. With flux applied to the brass, touch a hot, clean* soldering iron tip to the brass and melt a small amount of solder between the solder tip and the brass. The liquified solder will accelerate heat transfer into the brass. Be sure that the brass has fully heated and the solder has flowed fully around the joint. Remove the heat and let the joint cool fully before handling. A good silver solder will give a stronger joint than lead-based solder (see our Stay-Brite solder on [page 39](#)).

*You can clean a hot soldering iron tip by lightly and rapidly wiping it into a damp sponge.

Wood Basswood - Butternut - Tupelo

How To

HOW TO ORDER WOOD: Wood is sold by the board foot (BF). One BF is equivalent to a piece of wood 12"x12"x1" thick, or 144 cubic inches. To establish the BF of a piece of wood, you multiply the length x width x thickness and divide by 144. For example, a piece of wood 4"x6"x14" = 336 cu. inches divided by 144 equals 2.33 BF. At \$15.60/BF, basswood would cost \$36.35; butternut would cost \$36.70 and tupelo would cost \$45.44.

Dimensions: We try to size your wood as close as possible to your requested dimensions. Dimensions shown are nominal; they can vary by up to 1/2" due to shrinkage and/or finishing (sawing/planning). Occasionally the piece we provide will be slightly larger than requested due to cutting limitations or available stock on hand. Please let us know the minimum dimensions you need so we can make sure the wood we supply is big enough for your project.

Pricing: Prices shown below are per board foot, taxes and shipping extra as applicable.

Shipping costs: Wood is fairly heavy and costly to ship. In addition to our regular shipping rate, we add a \$3.00 per board foot surcharge to help offset shipping costs. This surcharge will be shown as a separate line item on your invoice.

Buying wood online: Unfortunately we do not currently have wood available online. We are working on a solution so we can offer wood online in the future, so keep checking our website. For now please don't hesitate to phone or email us with your requests and we will make sure we get a perfect piece of wood for you. At time of printing we have a great selection of Basswood, Butternut and Tupelo on hand.



Basswood (Canada/USA). One of the most popular woods for bird, fish and animal carvers because of cost and carvability. It can be easily be worked with power tools or hand tools. All of our basswood is top quality Northern wood. Order the block size you desire and we will ship one as close to it as possible. Available in thicknesses from 2-6"; random widths up to 8" or 9". At time of printing we have an excellent supply of all sizes on hand.

Basswood

2" Thickness	# BASS2	\$9.75/MBF	4" Thickness	# BASS4	\$15.60/MBF
3" Thickness	# BASS3	\$12.25/MBF	5"+Thickness	# BASS5	\$17.40/MBF*

Butternut is a very carveable wood with beautiful grain. It carves much like Basswood but looks a bit like walnut. Ideal for natural-finish carvings where rich visible grain is desired. As of printing time we have a good selection of butternut (both wormy and clear) in a variety of thicknesses. Please call for availability.

Butternut


2" Thickness	# BUT2	\$13.00/MBF	4" Thickness	# BUT4	\$15.75/MBF
3" Thickness	# BUT3	\$15.00/MBF	5"+Thickness	# BUT5	\$17.50/MBF*

Tupelo (Southern USA). Tupelo is the wood of choice for many competitive carvers, including many world champions. While Tupelo can be worked with hand tools, it is more often worked with power tools. It is light weight, sands very smooth, and takes very fine detail well. Our Tupelo is cut and dried to our specifications and is available in a variety of sizes in thicknesses up to 7". We have a good selection on hand.

Tupelo

2-3" Thickness.....	# TUPELO2-3	\$17.50MBF	5"+-7" Thickness.....	# TUPELO6-7	\$22.50/MBF
3"+-5" Thickness.....	# TUPELO4-5	\$19.50/MBF			

Reference Material - Study Casts



All of our study casts are excellent quality, highly detailed and accurate. We currently carry bird casts by Bob Guge, and Cam Merkle, and fish by Josh Guge. You will be amazed how much easier carving, detailing and painting can be when you have a study cast handy. You can even practise your painting on them - acrylic paints strip off with denatured (ethyl) alcohol, so you can practice painting one cast several times.

Size scale: LS = Lifesize;
1/2 LS, 1/3 LS, etc.
Prices on next page.

Study Casts (Cont.)

Bluebird, Eastern LS# GUGE07	\$48.60	Oven Bird LS# GUGE69	\$48.60
Bluebird, Eastern LS Fluffy# GUGE53	\$52.65	Owl, Barn 1/3 LS# GUGE44	\$51.30
Blue Jay 1/2 LS# GUGE20	\$44.55	Owl, Elf LS on rock# GUGE61	\$54.00
Blue Jay 3/4 LS# GUGE46	\$56.70	Owl, Great Horned	
Blue Jay LS# GUGE13	\$54.00	1/3 LS by Cam Merkle.....# SC087	\$45.50
Bunting, Indigo LS# GUGE11	\$44.55	Owl, Great Horned 1/3 LS# GUGE66	\$68.85
Cardinal LS (fluffy plumage)# GUGE08	\$62.10	Owl, Saw-whet 2/3 LS on stump ..# GUGE54	\$41.85
Cardinal LS (summer plumage)# GUGE34	\$51.30	Owl, Screech 1/2 LS# GUGE18	\$51.30
Cardinal 1/2 LS on stump# GUGE27	\$49.95	Owl, Snowy 1/3 LS on rock # GUGE33	\$67.50
Chickadee, Black-capped LS ...# GUGE04	\$40.50	Plover, Semipalmated	
Chickadee LS on pine branch ...# GUGE41	\$41.85	or Killdeer LS# GUGE28	\$47.25
Chickadee LS on stump# GUGE24	\$46.75	Puffin 1/2 LS on rock# GUGE26	\$49.95
Dove, Mourning LS# GUGE12	\$56.70	Quail, Bobwhite 2/3 LS# GUGE60	\$55.35
Eagle, Bald 1/4 LS on rock# GUGE22	\$52.65	Roadrunner 1/2 LS# GUGE55	\$66.15
Finch, Purple LS on rock# GUGE35	\$51.30	Redpoll, Common LS on stump ..# GUGE43	\$49.95
Flicker, Northern 2/3 LS on log ..# GUGE39	\$49.95	Sanderling LS# GUGE09	\$47.25
Goldfinch LS on a stump# GUGE56	\$43.20	Shrike 2/3 LS# GUGE51	\$55.35
Goshawk, Northern 1/3 LS on rock # GUGE37	\$55.35	Sparrow, Tree LS# GUGE02	\$51.30
Grosbeak, Rose-breasted		Sparrow, White-throated LS ...# GUGE01	\$54.00
LS on stump.....# GUGE42	\$56.70	Swallow, Barn LS# GUGE45	\$43.20
Gyrfalcon 1/4 LS# GUGE70	\$55.35	Tanager, Summer	
Hawk, Red-tailed 1/4 LS# GUGE16	\$59.40	(or Western) LS# GUGE38	\$55.35
Hawk, Red-shoulder LS# GUGE67	\$66.15	Tern, Royal 1/2 LS	
Heron, Black-crowned Night		(or Least Tern LS)# GUGE40	\$52.65
1/3 LS.....# GUGE23	\$52.65	Titmouse, Tufted# GUGE63	\$52.65
Heron, Great Blue 1/5 LS# GUGE31	\$45.95	Toucan 1/3 LS# GUGE59	\$66.15
Heron, Green LS# GUGE65	\$76.95	Towhee, Spotted	
Jay, Steller's LS by Cam Merkle# SC098	\$48.50	(or Rufous) LS# GUGE48	\$49.95
Kestrel 1/2 LS on rocks# GUGE29	\$51.30	Warbler, Yellow-rumped LS# GUGE21	\$45.90
Killdeer 2/3 LS# GUGE58	\$49.95	Waxwing, Cedar LS# GUGE05	\$51.30
Kingfisher 1/2 LS# GUGE15	\$51.30	Waxwing, Cedar	
Kinglet, Golden-crowned		LS w/ open wing (2 pieces).....# GUGE62	\$76.90
LS on stump.....# GUGE47	\$41.85	Woodcock 2/3 LS# GUGE49	\$51.30
Merlin 2/3 LS on rock# GUGE36	\$49.95	Woodpecker, Downy LS# GUGE06	\$48.60
Mockingbird 3/4 LS# GUGE50	\$51.30	Woodpecker, Downy	
Nuthatch, Red-breasted		LS on a stump.....# GUGE57	\$52.65
LS on stump.....# GUGE25	\$47.25	Wren, Carolina LS# GUGE32	\$45.90
Nuthatch, White-breasted LS ..# GUGE03	\$45.90	Wren, Winter# GUGE68	\$44.55
Oriole, Northern LS# GUGE14	\$55.35		



Fish Study casts

by Josh Guge

Full-body fish study casts, great for carving reference or painting practice. Because they are free-standing, they can be displayed on a table when painted. Fully scaled and beautifully detailed.

Bluegill 6.5" long.....# GUGEJ01 **\$45.90**

Smallmouth Bass.....# GUGEJ02 **\$45.90**

Cast Study Bills

Nothing can take the guess work out of bills and eyes like a study bill. All of our study bills are cast from the real thing (except the extinct birds), capturing all of the detail and subtle shapes of a live bird. They are all in-stock and available for immediate delivery. Photos of each bill are at mapleandbass.com.

"Extinct" bills (below) are created from scratch by Cam. They represent Cam's best interpretation of what the live bird's bill would have looked like, based on extensive research.

"Full-head" bills (below) are similar to the earlier Miller style bills; cast from fresh specimens with little to no shrinkage and superb detail. We'll be adding more species as specimens become available.

"Taxidermy-style" bills (below) include the full bill and skull, along with eye sockets. They have the "shrink-prone" areas built up to resemble a live bird. Our supplier also makes many other species - mostly exotic - which we can special order (call for details).

Extinct Species Study Bills

Cam began researching Labrador ducks over 20 years ago and has recently committed to working on several pieces portraying other extinct species. His first completed piece featuring extinct birds was "Into the Light - Labrador ducks" (featured in a previous catalogue). In preparation for this piece, Cam created

a full-size "taxidermy-style" study bill for a male Labrador duck. We're making these bills available as resin casts, similar in style to the bills listed below. Very detailed,

this bill represents Cam's best interpretation of what a live, healthy bill would have looked like on a bird that's been extinct for over 135 years. It can be used for reference in carving or painting your own Labrador ducks, or it can also be used by a taxidermist who may want to try re-creating a mount of a Labrador duck.

SBLABDUCK \$19.00



Full-Head Study Bills

Species	Item #	Price	Species	Item #	Price
Bittern, American	SBABITT	\$19.00	Grouse, Spruce	SBSPRUCE	\$19.00
Catbird, Gray	SBCATB	\$19.00	Gull, Franklin's	SBFRGUL	\$19.00
Coot, American	SBCOOT	\$19.00	Kingbird, Eastern	SBEKB	\$19.00
Dove, Mourning	SBMDOVE	\$19.00	Sandpiper, Solitary	SBSOLSAND	\$19.00
Finch, House	SBHFINCH	\$19.00	Sapsucker, Yellow-bellied	SBYBSS	\$19.00
Grebe, Western	SBWGREBE	\$19.00	Vireo, Warbling	SBWVIREO	\$19.00
Grouse, Ruffed	SBRUFF	\$19.00	Warbler, Tennessee	SBTENWARB	\$19.00
Grouse, Sharp-tailed	SBSHARPTAIL	\$19.00			



Taxidermy-style Study Bills Sample photos below - See next page for full list

mapleandbass.com has photos of each study bill we carry.



Cast Study Bills (Taxidermy-style)

mapleandbass.com has photos of each study bill we carry.

SB152	BRANT (PACIFIC).....	\$21.50	SB294A	HERON, GREAT BLUE OPEN BILL.....	\$32.25
SB070	BUFFLEHEAD M.....	\$17.50	SB279	JAY, GRAY.....	\$17.50
SB072	BUFFLEHEAD F.....	\$17.50	SB318	KESTREL, AMERICAN.....	\$32.25
SB030	CANVASBACK M.....	\$17.50	SB293	LOON, COMMON.....	\$29.50
SB032	CANVASBACK F.....	\$17.50	SB800	LOON, PACIFIC.....	\$29.50
SB250	COOT, AMERICAN.....	\$17.50	SB014	MALLARD M.....	\$17.50
SB162	CRANE, SANDHILL.....	\$29.50	SB014A	MALLARD M OPEN BILL.....	\$21.50
SB280	CROW, COMMON.....	\$17.50	SB015	MALLARD F.....	\$17.50
SB264	DOVE, MOURNING.....	\$17.50	SB015A	MALLARD F OPEN BILL.....	\$17.50
SB262	DOVE, WHITE-WINGED.....	\$17.50	SB020	MERGANSER, AMERICAN M.....	\$17.50
SB076	DUCK, HARLEQUIN M.....	\$17.50	SB042	MERGANSER, AMERICAN F.....	\$17.50
SB074	DUCK, HARLEQUIN F.....	\$17.50	SB092	MERGANSER, HOODED M.....	\$17.50
SB144	DUCK, MANDARIN M.....	\$17.50	SB090A	MERGANSER, HOODED M OPEN.....	\$21.50
SB146	DUCK, MANDARIN F.....	\$17.50	SB090	MERGANSER, HOODED F.....	\$17.50
SB096	DUCK, OLDSQUAW (LONG-TAIL) M.....	\$17.50	SB120	MERGANSER, RED-BREADED M.....	\$17.50
SB094	DUCK, OLDSQUAW (LONG-TAIL) F.....	\$17.50	SB118	MERGANSER, RED-BREADED F.....	\$17.50
SB018	DUCK, PINTAIL M.....	\$17.50	SB317	MERLIN M.....	\$21.50
SB019	DUCK, PINTAIL F.....	\$17.50	SB317A	MERLIN M OPEN BILL.....	\$32.25
SB062	DUCK, REDHEAD M.....	\$17.50	SB740	NIGHTHAWK, COMMON.....	\$19.95
SB064	DUCK, REDHEAD F.....	\$17.50	SB328	OWL, BARN.....	\$32.25
SB058	DUCK, RING-NECKED M.....	\$17.50	SB323	OWL, BARRED.....	\$32.25
SB056	DUCK, RING-NECKED F.....	\$17.50	SB319	OWL, BURROWING.....	\$32.25
SB124	DUCK RUDDY M.....	\$17.50	SB322	OWL, FLAMMULATED.....	\$32.25
SB006	DUCK, WOOD M.....	\$17.50	SB330	OWL, GREAT-HORNED.....	\$38.95
SB006A	DUCK, WOOD M OPEN BILL.....	\$21.50	SB321	OWL, SAW-WHET.....	\$32.25
SB008	DUCK, WOOD F.....	\$17.50	SB326	OWL, SCREECH.....	\$32.25
SB332	EAGLE, BALD CLOSED BILL.....	\$54.00	SB324	OWL, SNOWY.....	\$32.25
SB332A	EAGLE, BALD OPEN BILL.....	\$55.25	SB220	PARTRIDGE, CHUKAR.....	\$17.50
SB333	EAGLE, GOLDEN.....	\$54.00	SB224	PARTRIDGE, GRAY (HUN).....	\$17.50
SB333A	EAGLE, GOLDEN OPEN BILL.....	\$55.25	SB200	PHEASANT, RING-NECKED M.....	\$17.50
SB082	EIDER, COMMON M.....	\$17.50	SB200H	PHEASANT, RING-NECKED F.....	\$17.50
SB084	EIDER, COMMON F.....	\$17.50	SB246	PRAIRIE CHICKEN.....	\$17.50
SB112	EIDER, KING M.....	\$17.50	SB270	PTARMIGAN, WILLOW.....	\$17.50
SB110	EIDER, KING F.....	\$17.50	SB912	PUFFIN, ATLANTIC.....	\$25.50
SB098	EIDER, PACIFIC M.....	\$17.50	SB910	PUFFIN, TUFTED.....	\$25.50
SB102	EIDER, PACIFIC F.....	\$17.50	SB235	QUAIL, BLUE SCALED.....	\$17.50
SB116	EIDER, SPECTACLED M.....	\$17.50	SB237	QUAIL, BOBWHITE.....	\$17.50
SB114	EIDER, SPECTACLED F.....	\$17.50	SB234	QUAIL, GAMBEL'S.....	\$17.50
SB108	EIDER, STELLER'S M.....	\$17.50	SB232	QUAIL, MOUNTAIN.....	\$17.50
SB106	EIDER, STELLER'S F.....	\$17.50	SB290	RAIL, SORA.....	\$17.50
SB309	FALCON, PEREGRINE.....	\$37.75	SB288	RAVEN (STUDY BILL IS BLACK).....	\$21.50
SB702	FLICKER, NORTHERN.....	\$18.95	SB288A	RAVEN OPEN BILL (BLACK).....	\$25.50
SB066	GADWALL M.....	\$17.50	SB500	ROLLER, LILAC-BREADED.....	\$17.50
SB068	GADWALL F.....	\$17.50	SB034	SCAUP, GREATER M.....	\$17.50
SB252	GALLINULE, COMMON.....	\$17.50	SB036	SCAUP, GREATER F.....	\$17.50
SB254	GALLINULE, PURPLE.....	\$17.50	SB038	SCAUP, LESSER M.....	\$17.50
SB078	GOLDENEYE, BARROW'S M.....	\$17.50	SB040	SCAUP, LESSER F.....	\$17.50
SB080	GOLDENEYE, BARROW'S F.....	\$17.50	SB052	SCOTER, SURF M.....	\$17.50
SB048	GOLDENEYE, COMMON M.....	\$17.50	SB128	SCOTER, WHITE-WINGED M.....	\$17.50
SB046	GOLDENEYE, COMMON F.....	\$17.50	SB053	SHOVELER, NORTHERN M.....	\$17.50
SB099	GOOSE, BLUE.....	\$21.50	SB054	SHOVELER, NORTHERN F.....	\$17.50
SB130	GOOSE, CACKLING.....	\$17.50	SB256	SNIPE, WILSON'S (COMMON).....	\$17.50
SB136	GOOSE, CANADA M.....	\$21.50	SB710	STARLING.....	\$17.50
SB022	GOOSE, ROSS'.....	\$17.50	SB914	STILT, BLACK-NECKED.....	\$21.50
SB100	GOOSE, SNOW.....	\$17.50	SB171	SWAN, TRUMPETER.....	\$21.50
SB104	GOOSE, SPECKLE-BELLY.....	\$21.50	SB170A	SWAN, TUNDRA.....	\$33.50
SB104	GOOSE, WHITE-FRONTED.....	\$21.50	SB170B	SWAN, TUNDRA OPEN BILL.....	\$33.50
SB242	GROUSE, BLUE.....	\$17.50	SB088	TEAL, BLUE-WINGED M.....	\$17.50
SB228	GROUSE, RUFFED.....	\$17.50	SB086	TEAL, BLUE-WINGED F.....	\$17.50
SB229	GROUSE, SAGE.....	\$17.50	SB004	TEAL, CINNAMON M.....	\$17.50
SB240	GROUSE, SHARP-TAILED.....	\$17.50	SB002	TEAL, CINNAMON F.....	\$17.50
SB226	GROUSE, SPRUCE.....	\$17.50	SB026	TEAL, GREEN-WINGED M.....	\$17.50
SB314	HAWK, COOPER'S M.....	\$32.25	SB028	TEAL, GREEN-WINGED F.....	\$17.50
SB325	HAWK, HARRIS'S.....	\$32.25	SB720	WAXWING, CEDAR.....	\$17.50
SB308	HAWK, RED-SHOULDERED.....	\$32.25	SB010	WIGEON, AMERICAN M.....	\$17.50
SB310	HAWK, RED-TAILED.....	\$37.75	SB012	WIGEON, AMERICAN F.....	\$17.50
SB312	HAWK, SHARP-SHINNED.....	\$32.25	SB258	WOODCOCK, AMERICAN M.....	\$17.50
SB291	HERON, BLACK-CROWNED NIGHT.....	\$32.25	SB700	WOODPECKER, PILEATED.....	\$25.50
SB294	HERON, GREAT BLUE.....	\$32.25			

Cast Pewter Bird Feet

Photos of each foot we carry can be found at mapleandbass.com

We stock two styles of bird feet. All feet are excellent quality with minute detail faithfully reproduced. The full foot and leg (one piece) have been cast from the actual species so they are great for reference if you want to make your own feet, or you can use them directly in your carvings. The toes can be bent (carefully). "Bird toes" look great when sandwiched between the bird and base (looks like the bird is sitting on its toes). Larger feet are reinforced with a steel wire. All prices are per pair.



Evening Grosbeak



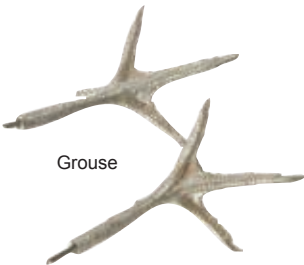
Lesser Yellowlegs

SONGBIRDS

Northern Oriole	# FTORIO	\$11.75
Belted Kingfisher	# FTKFIS	\$13.00
Blue Jay	# FTBJAY	\$14.25
Bluebird (Eastern).....	# FTBBIR	\$9.00
Cardinal	# FTCARD	\$11.75
Carolina Wren.....	# FTCWRE	\$10.50
Chickadee.....	# FTCHIC	\$10.50
Crow	# FTCROW	\$33.75
Dove	# FTDOVE	\$14.25
Evening Grosbeak.....	# FTEVEN	\$11.75
Goldfinch	# FTGOLD	\$10.50
Herring Gull	# FTHERGL	\$29.25
House Wren.....	# FTHWRE	\$10.50
Meadowlark	# FTMLAR	\$15.50
Pigeon	# FTPIGO	\$14.25
Ring-Billed Gull.....	# FTRBGL	\$26.50
Road Runner	# FTRDRU	\$26.50
Robin	# FTROBI	\$14.25
Sora Rail	# FTSORA	\$15.50
Titmouse/Waxwing	# FTTMOU	\$10.50
White-throated Sparrow.....	# FTWTSPA	\$11.75
White-breasted Nuthatch.....	# FTNUTHA	\$10.50
White-winged Dove	# FTWDOVE	\$14.25
Wood Thrush.....	# FTWTHR	\$10.40

SHOREBIRDS

Black-bellied Plover	# FTBPLOV	\$14.25
Green Heron (crouched).....	# FTGHERON	\$33.75
Green Heron (standing).....	# FTGHERON2	\$33.75
Killdeer.....	# FTKILDR	\$15.50
Least Sandpiper	# FTLSTPP	\$13.00
Lesser Yellowlegs.....	# FTYLEGS	\$17.85
Semipalmated Plover	# FTSEMPLOV	\$14.25
Spotted Sandpiper.....	# FTSPOT	\$11.75
Willet.....	# FTWILLE	\$26.50



Grouse

UPLAND BIRDS

Bobwhite Quail	# FTBOBWH	\$13.35
Chukar Partridge	# FTCHUK	\$18.25
Gambel's Quail	# FTGAMBL	\$14.25
Grouse	# FTGROUS	\$16.75
Pheasant	# FTPHEAS	\$35.50
Woodcock.....	# FTWCOCK	\$14.25

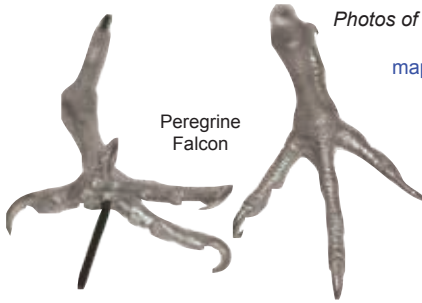


Canvasback

WATERFOWL

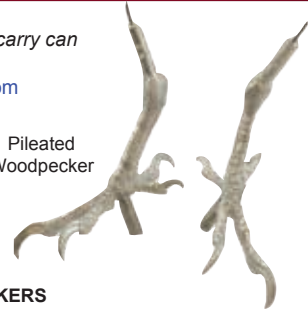
Bufflehead Standing	# FTBUFFL	\$28.25
Canvasback Standing.....	# FTSCANVS	\$40.50
Green-winged Teal Standing.....	# FTGWT	\$23.00
Green-winged Teal Swimming	# FTGWTF	\$23.00
Mallard Standing.....	# FTMALRD	\$32.00
Pintail Standing.....	# FTPINTL	\$30.25
Wigeon Standing	# FTWGEO	\$28.25
Wood Duck Standing.....	# FTWDUCK	\$26.50
Wood Duck Swimming	# FTWDUCK2	\$26.50

Cast Pewter Bird Feet (Cont.)



Peregrine Falcon

Photos of each foot we carry can be found at mapleandbass.com



Pileated Woodpecker

BIRDS OF PREY

Broad-winged Hawk	# FTBWHWK	\$28.00
Cooper's Hawk	# FTCOOPR	\$33.75
Kestrel	# FTKESTR	\$14.25
Peregrine Falcon	# FTPEREG	\$35.50
Red-tailed Hawk	# FTRTHWK (2-pc.)	\$39.00
Screech Owl	# FTOWL	\$13.00
Sharp-shinned Hawk	# FTSSHIN	\$24.75

WOODPECKERS

Downy.....	# FTDOWN	\$10.50
Flicker.....	# FTFLECK	\$13.00
Pileated.....	# FTPILEA	\$24.75
Red-headed.....	# FTRHWP	\$13.00



Mini Pelican



Blue Jay Toes

MINI FEET

(measurement shown is length of centre toe)

Ultra Mini Duck size 1 (11mm)	# FTUMD1	\$10.50
Ultra Mini Duck size 2 (16mm)	# FTUMD2	\$9.00
Mini Duck (23mm)	# FTMD1X1	\$11.75
Mini Pelican (30mm).....	# FTPELIC	\$14.25
Mini Goose (33mm).....	# FTGOOSE	\$13.35
Mini Road Runner (30mm).....	# FTRRUN	\$14.25
NEW! Mini Rooster.....	# FTMROOST	\$14.25

BIRD TOES ONLY (No legs)

Bluebird	# FTOEBB	\$8.90
Cardinal	# FTOECARD	\$8.90
Chickadee.....	# FTOECHIC	\$8.90
Downy Woodpecker	# FTOEDOWN	\$8.90
House Wren.....	# FTOEHWREN	\$8.90
Kestrel	# FTOEKEST	\$13.35
Red-bellied Woodpecker.....	# FTOERBWPECK	\$13.35
Red-breasted Nuthatch	# FTOERBNUT	\$8.90
Robin	# FTOEROBIN	\$13.35
Saw-whet Owl.....	# FTOESAWOWL	\$13.00



Large Antlers

Mallard Curls

Calif. Quail

Pewter Antlers, Curls and Top-Knots

Calif. Quail top-knot (LS) ... ea.	# FTCQTN	\$8.90
Mountain Quail top-knot (LS) ..ea.	# FTMQTN	\$8.90
Mallard tail Curls (LS) .. ea.	# FTMALCURL	\$8.90
Mini Deer Antlers (small) approx 1.3" long..... pair	# FTANTLERS	\$14.85
Mini Deer Antlers (large) approx 2" long..... pair	# FTANTLERL	\$19.25

TIPS

- If you can't find the exact species you need, you may substitute another similar species (i.e. use White-throated sparrow feet on a House sparrow carving). See our "Eye, Foot, and Bill Chart" on pages 56-59.
- Bird toes bend easily.
- Try putting a pin into the bird's body and setting the bird directly on its toes, so that no leg is visible. Works great, especially on "puffier" birds.
- All pewter feet and legs: it is best to bend them one time only, otherwise they may break when you try to bend them back. Whenever possible, try not to bend the leg portion and keep the bending of toes to a minimum. If a sharp bend is required, try soaking foot in hot water prior to bending. You may also try cutting a slot in the underside of the toe you wish to bend.

Patterns and Blanks

Patterns and Blanks by Cam Merkle. Cam has published two carving and pattern books covering a wide variety of waterfowl, shorebirds and songbirds. Blanks from any of the patterns are available and any of the patterns can be purchased separately. We recommend buying the books as they also contain some superb reference photos for each pattern.



Volume 1 - Waterfowl & Shorebirds

19 different patterns for 16 species of waterfowl and shorebirds. Included for each species are great reference photos that you will find invaluable when carving and painting. Also includes brief carving tips to help you avoid common mistakes, as well as a bit of interesting trivia for each species.

36 pages, 54 colour photos. 11x17" Coil-bound.

\$24.95 each

HOW TO ORDER:

Blanks are available in basswood, butternut or tupelo with the option of a straight head or turned head (one piece bird blank only)

Turned head blanks - the head portion will be left as a block - eye holes are not available with a one-piece turned head blank.

2-piece blanks (duck, loons) - turned head option not necessary.

ALL BLANKS INCLUDE A PATTERN. EYES & FEET NOT INCLUDED

EH-
optional
eye hole

(BA
BU
TU) 02-10A- (EH
TH)

Wood type

TH-optional
turned head
(eye hole not avail.
w/ turned head)

Examples:

BLBU02-18

Butternut Blue Grosbeak

Straight head, no eye hole

BLTU02-38TH

Tupelo Waxwing

Turned head

Item #	Description	Size	Bass Price(BA)	Butternut Price (BU)	Tupelo Price (TU)
Blanks from Volume 1 Waterfowl & Shorebirds					
BL01-28	Blue-winged Teal Drake	LS	27.95	34.95	41.95
BL01-30	Green-winged Teal Drake	LS	27.95	34.95	41.95
BL01-4	Bufflehead Drake	LS	27.95	34.95	41.95
BL01-6	Canvasback Drake	3/4LS	26.95	33.70	40.43
BL01-18	Mallard Drake	1.2LS	19.95	24.95	29.93
BL01-20	Pintail Drake	1/2LS	19.95	24.95	29.93
BL01-22	Redhead Drake	3/4LS	25.95	32.44	38.93
BL01-24	Ruddy Duck Drake	LS	27.95	34.94	41.93
BL01-34	Wood Duck Drake	1/2LS	16.95	21.19	25.43
BL01-2	American Avocet	2/3LS	19.95	24.94	29.93
BL01-8	Canada Goose Feeding	1/2LS	22.95	28.69	34.43
BL01-10	Canada Goose Resting	1/2LS	22.95	28.69	34.43
BL01-16A	Common Loon High Head	40%LS	25.95	32.44	38.93
BL01-16B	Common Loon Swimming	1/3LS	23.95	29.95	35.93
BL01-12	Great Blue Heron	1/5LS	16.95	21.19	25.43
BL01-14M	Labrador Duck Drake	1/2LS	19.95	24.94	29.93
BL01-14F	Labrador Duck Hen	1/2LS	19.95	24.94	29.93
BL01-26	Least Sandpiper	LS	13.95	14.44	20.93
BL01-32	Willet	3/4LS	22.95	28.69	34.43

Waterfowl					
BL001	Blue-winged Teal M	3/4 LS	16.95	21.19	25.44
BL003	Bufflehead M	1/3 LS	19.95	24.95	29.93
BL007	Canvasback M	LS	37.95	47.44	56.93
BL009	Canvasback M	1/2 LS	16.95	21.19	25.44
BL010	Canvasback F	LS	37.95	47.44	56.93
BL021	Mallard M	3/4 LS	27.95	34.95	41.93
BL022	Mallard M	LS	44.95	56.20	67.43
BL025	Pintail M	3/4 LS	25.95	32.45	38.93
BL026	Pintail M	LS	33.95	42.45	50.93
BL027	Pintail F	1/2 LS	19.95	24.95	29.93
BL028	Pintail F	3/4 LS	25.95	32.45	38.93
BL029	Pintail F	LS	33.95	42.45	50.93
BL030	Redhead M	LS	38.95	48.70	58.41
BL032	Widgeon M	3/4 LS	20.95	26.20	31.43
BL034	Wood Duck M	LS	30.95	38.70	46.43

Loons					
BL067	Ultra Mini	4.75" L	11.95	14.95	17.93
BL012	Mini	6.5" L	15.95	19.94	23.93
BL014	Medium	9.25" L	23.95	29.95	35.93
BL017	Large 1/2 LS	12" L	29.95	37.45	44.93
BL015	High head, puffy neck	9.75" L	25.95	32.45	38.93
BL018	Full size	21" L	84.95	106.20	127.43

Shorebirds					
BL036	American Avocet	LS	27.95	34.95	41.95

Patterns and Blanks (Con't)

Patterns and Blanks by Cam Merkle. Each pattern is carefully researched and drawn so you will find them useful whether you want to carve them directly, or use for reference to draw your own pattern. Bird blank price includes wood cutout and pattern.



Volume 2 - Songbirds

25 different patterns for 20 songbirds. Included for each species are great reference photos that you will find invaluable when carving and painting your project. Also includes brief carving tips to help you avoid common mistakes, as well as a bit of interesting trivia for each species. 44 pages, 163 colour photos. 11x17" Coil-bound.

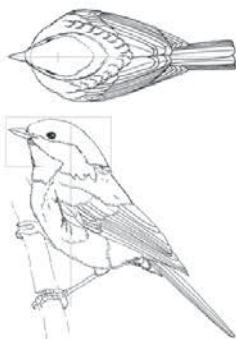
\$24.95 each

Item #	Description	Size	Bass Price(BA)	Butternut Price (BU)	Tupelo Price (TU)
Blanks from Volume 2 Songbirds					
BL02-2A	Red-winged Blackbird Perched	LS	16.95	21.19	25.43
BL02-2B	Red-winged Blackbird Open-wing	LS	22.95	28.69	34.43
BL02-4	Yellow-headed Blackbird	LS	16.95	21.19	25.43
BL02-6	Mountain Bluebird Male	LS	13.95	17.45	20.93
BL02-8	Gray Catbird	LS	16.95	21.19	25.43
BL02-10A	Black-capped Chickadee Regular	LS	12.95	16.20	19.43
BL02-10B	Black-capped Chickadee Puffy	LS	12.95	16.20	19.43
BL02-12A	Chestnut-backed Chickadee Upright	LS	12.95	16.20	19.43
BL02-12B	Chestnut-backed Chickadee Down	LS	12.95	16.20	19.43
BL02-14	Brown-headed Cowbird	LS	16.95	21.19	25.43
BL02-16Y	Northern Flicker (Yellow-shafted)	2/3LS	15.95	19.94	23.93
BL02-16R	Northern Flicker (Red-shafted)	2/3LS	15.95	19.94	23.93
BL02-18	Blue Grosbeak	LS	15.95	19.94	23.93
BL02-20	Rose-breasted Grosbeak	LS	16.95	21.19	25.43
BL02-22	Costa's Hummingbird	LS	9.95	12.45	14.93
BL02-24A	Ruby-throated Hummingbird Perched	LS	9.95	12.45	14.93
BL02-24B	Ruby-throated Hummingbird Flying w/ Columbine Flower	LS	20.95	26.20	31.43
BL02-26	Gray Jay	LS	23.95	29.95	35.93
BL02-28	Steller's Jay	LS	20.95	26.20	31.43
BL02-30	Dark-eyed Junco	LS	13.95	17.45	20.93
BL02-32	American Robin	LS	15.95	19.94	23.93
BL02-34	Yellow-bellied Sapsucker	LS	18.95	23.70	28.43
BL02-36	Clay-Coloured Sparrow	LS	12.95	16.20	19.43
BL02-38	Bohemian Waxwing	LS	13.95	17.45	20.93
BL02-40	Cedar Waxwing	LS	13.95	17.45	20.93

Each blank includes a pattern.

Continued on Next Page

Chestnut-backed Chickadee (*Parus rufescens*)



Things to watch for when carving:

Like other Chickadees, the Chestnut-backed Chickadee is a very round bird. Common carving problems are the same as for the Black-capped Chickadee. The most notable issue I see with Chestnut-backed Chickadee carvings is in the painting of the chestnut-coloured area. It tends to be too dark and uniform-looking. Look carefully at the photos and you will see varying shades and colours on the cape and flanks. Also if you look carefully you'll see that the cap and throat patch are not as deep black as on the Black-capped Chickadee; there is a definite brown tinge to the feathers in these areas. Also note that the Chestnut-backed Chickadee has a relatively longer bill than the Black-capped Chickadee. The Chestnut-backed is somewhat smaller than the Black-capped, at 11.5-12.5cm.

Did you know?

Chestnut-backed Chickadees inhabit the West coast of North America from Alaska to Southwestern California. They are the only species of Chickadee on Vancouver Island, where they can readily be seen at bird feeders. They are especially fond of suet. In the areas where Chestnut-backed Chickadees and Black-capped Chickadees ranges overlap they are not known to interbreed.

Patterns and Blanks (Cont.)

Item #	Description	Size	Bass Price(BA)	Butternut Price (BU)	Tupelo Price (TU)
Birds of Prey					
BL038	Burrowing Owl	LS	30.95	38.70	46.43
BL079	Bald Eagle on Rock	1/3 LS	16.95	21.19	25.43
BL039	Kestrel (perched)	1/2 LS	13.95	17.45	20.93
BL041	Kestrel (perched)	LS	23.95	29.94	35.93
BL068	Great Horned Owl	1/2 LS	29.95	37.45	44.93
BL087	Great Horned Owl	1/3 LS	20.95	26.20	31.43
BL078	Saw-whet Owl	1/2 LS	13.95	17.45	20.93
BL083	Saw-whet Owl	LS	28.95	36.20	43.45
BL080	Swainson's Hawk (Bust)	LS	22.95	28.69	34.43

Additional Songbirds					
BL084	Bee Eater, Little	LS	13.95	17.45	20.93
BL062	Blackbird, Yellow-headed	7/8 LS	13.95	17.45	20.93
BL047	Blue Jay	1/2 LS	11.95	14.95	17.93
BL048	Blue Jay	2/3 LS	13.95	17.45	20.93
BL049	Blue Jay	LS	16.95	21.19	25.43
BL085	Kingfisher, Belted	1/2 LS	12.95	16.20	19.43
BL052	Magpie, crouched squawking	1/2 LS	11.95	14.95	17.93
BL053	Magpie, crouched squawking	3/4 LS	17.95	22.44	26.93
BL054	Magpie, crouched squawking	LS	29.95	37.45	44.93
BL057	Meadowlark, Western	LS	13.95	17.45	20.93

Whales and Dolphins					
BL063	Killer Whale Calf	6" L	11.95	14.95	17.93
BL066	Killer Whale Female	9.25" L	19.95	24.95	29.93
BL064	Killer Whale Female	11.5" L	31.95	39.95	47.93
BL065	Bottlenose Dolphin	8" L	12.95	16.20	19.43

HOW TO ORDER:

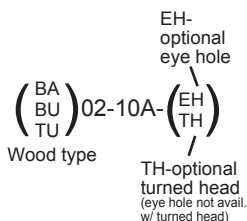
Blanks are available in basswood, butternut or tupelo with the option of a straight head or turned head (one piece bird blank only)

Turned head blanks - the head portion will be left as a block - eye holes are not available with a one-piece turned head blank.

2-piece blanks (duck, loons) - turned head option not necessary.

ALL BLANKS INCLUDE A PATTERN.

EYES & FEET NOT INCLUDED



Examples:

BLBU02-18
Butternut Blue Grosbeak

Straight head, no eye hole

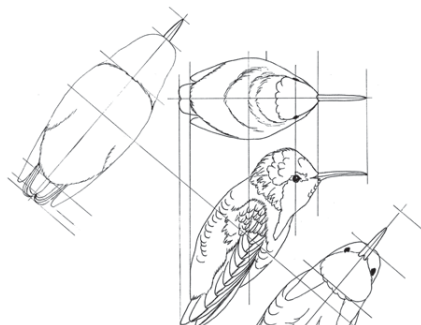
BLTU02-38TH

Tupelo Waxwing

Turned head

Studynotes for many of the above projects are listed on [page 71](#)

Costa's Hummingbird (Calypte costae)



Things to watch for when carving:

A hummingbird's wing structure differs significantly from other birds. All other flying birds have a joint at the "wrist" (near the neck - an area that some people might call the "shoulder" area).

Not so with hummingbirds; their wrists are fused, giving their wing more strength, which they need in order to beat their wings 20-30 times per second (perhaps up to 100 beats per second in courtship displays). If you look at photos of hummingbirds in flight you'll see the difference in their wing shape. Note also that hummingbird plumage is very fine, so you'll need to take it easy with the woodburner in order to get a natural look. I recommend that you burn shallow and fine and use your paint to indicate some of the feather detail.

Did you know?

Substitute the letters "PA" for "BL" (example "#PA078" for a Saw-whet owl pattern only; #BL078 for a blank).

Cost is **\$3.00** per pattern.

Patterns are included with each blank.

About copyright: All of our patterns are copyrighted. You may photocopy them for your personal use only.

Vision Aids

OptiVISOR[®]
Optical Glass Binocular Magnifier

Having trouble seeing the fine detail? We have the solution! From our convenient clip-on magnifiers through economical Opti-SIGHT™ magnifiers to the top-of-the-line OptiVISOR™ and OptiVISOR™ LX headband magnifiers, you'll find a magnifier to suit your needs. They are all comfortable to wear, easy on the eyes and made from quality optical glass or acrylic. All offer a "binocular" view for accurate depth perception.



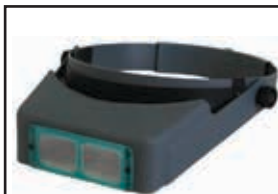
Opti-SIGHT™ magnifier includes 3 easy-to-change optical grade acrylic prismatic lenses: #3 (14" focus, 1.75X), #4 (10" focus, 2.00X), and #5 (8" focus, 2.50X). Visor tilts up for normal viewing and down for magnification. Good for short-duration and hobby use (headband can get uncomfortable if worn for long periods).

Note: Frame colour will vary. # OPTISIGHT \$47.95



Clip-on Magnifier can be used with most eyeglass frames in front of your existing prescription lenses, or can be attached to the binocular frame (included). Easily pivots up when not in use. Great for smaller tasks. Available in your choice of 2 different magnifications. For most applications, the #3 is the best choice.

Magnifier w/ #3 lens (14" focus, 1.75X)...# VISORCO-3 \$39.95
Magnifier w/ #4 lens (10" focus, 2.00X)...# VISORCO-4 \$39.95



OptiVISOR™ and OptiVISOR™ LX. Top-of-the-line headband magnifier. The original OptiVISOR™ features adjustable side pivots, an adjustable full headband with a leather and orthopedic felt-padded comfort band and precision-ground optical glass lenses for unsurpassed quality and durability. The OptiVISOR™ LX uses the same headband but incorporates optical acrylic prismatic lenses for reduced weight and cost. OptiVISOR™ and OptiVISOR™ LX are your best choices for the least eye and head fatigue, especially when used for extended periods.

- OptiVisor™ LX #3** (acrylic). 1.75X magnification, 14" focus # VISORLX3 \$49.95
- OptiVisor™ #3** (glass). 1.75X magnification, 14" focus.....# VISOR3 \$74.95
- OptiVisor™ #4** (glass). 2.0X magnification, 10" focus.....# VISOR4 \$74.95
- OptiVisor™ #5** (glass). 2.5X magnification, 8" focus.....# VISOR5 \$74.95

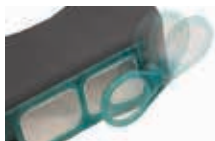
Replacement or extra Glass Lenses

- (fit OptiVISOR or OptiVISOR LX):#3 (# LP3) or #4 (# LP4) \$49.95
- #5** 8" focus, 2.5X magnification # LP5 \$49.95
- #7** 6" focus, 2.75X magnification # LP7 \$54.95
- #10** 4" focus, 3.5X magnification # LP10 \$54.95

Replacement leather comfort band for Optivisor or Optivisor LX# VISORPT3 \$8.95

If you can't read this,
you need an Optivisor!

If you CAN read this, you probably don't need one.



OptiLOUPE™ 2.5X monocular adds 2.5x magnification to visor for Optivisor™ and OptiVISOR LX only; will not fit Clip-on or OptiSIGHT™. Attaches to either side; swings away when not in use.

OPTILOUPE \$19.95



VisorLIGHT will fit on most headband magnifiers, illuminating the magnified viewing area. It easily adjusts up or down for maximum illumination. Xenon laserbeam bulb gives 6000 candle-power brightness and up to 5 hours

of battery life with 2 - AA batteries (not included). A very convenient, hands-free way to get more light on your work.

VISORLIGHT \$42.95 (visor not included)

FAQs

FAQ: How do I know which lens I should get?

A. Generally, the #3 lens is your best starting point. It gives the best combination of magnification and comfort. You can work around 14" away from your eyes and you still have good depth-of-field (meaning that things somewhat closer as well as further than 14" will still be easily seen). With higher magnifications, the focus distance gets closer, depth-of-field drops quickly and eye fatigue is more likely. As my eyes get older (along with the rest of me) I still use my #3 visor, but use the #4 more, and I've added a #7 for my very fine work. I put an OptiLOUPE on my #4 visor - it's unbeatable for super-tiny detail and removing slivers.

Glass Eyes (Per Pair)

Clear (Flint) Eyes w/Round Black Pupils					
Size	#	Price	Size	#	Price
3mm	EY3	1.25	9mm	EY9	3.55
4mm	EY4	1.25	10mm	EY10	4.95
5mm	EY5	1.25	11mm	EY11	5.75
6mm	EY6	1.70	12mm	EY12	6.10
7mm	EY7	2.10	13mm	EY13	6.50
8mm	EY8	2.75	14mm	EY14	6.80

Solid Black Glass Eyes					
Size	#	Price	Size	#	Price
3mm	EY3BL	1.25	7mm	EY7BL	2.10
4mm	EY4BL	1.25	8mm	EY8BL	2.75
5mm	EY5BL	1.30	9mm	EY9BL	3.55
6mm	EY6BL	1.70	10mm	EY10BL	4.95

All eye prices are per pair.	Loon eyes are also great for some Grebes....
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Coloured Eyes w/Round Black Pupils					
Size	#	Price	Size	#	Price
3mm	EY3(*)	1.40	9mm	EY9(*)	4.20
4mm	EY4(*)	1.40	10mm	EY10(*)	4.95
5mm	EY5(*)	1.55	11mm	EY11(*)	5.75
6mm	EY6(*)	2.05	12mm	EY12(*)	6.10
7mm	EY7(*)	2.55	13mm	EY13(*)	6.50
8mm	EY8(*)	3.30	14mm	EY14(*)	6.80

*Colour Codes: YL = Yellow RD = Red HZ = Hazel
BR = Brown DB = Dark Brown

Loon Eyes - Red w/Small Black Pupil					
Size	#	Price	Size	#	Price
6mm	EY6LN	5.50	11mm	EY11LN	6.00
7mm	EY7LN	5.50	12mm	EY12LN	6.00
8mm	EY8LN	5.50	13mm	EY13LN	7.05
9mm	EY9LN	5.75	14mm	EY14LN	8.15
10mm	EY10LN	5.75			

Competition Grade Eyes w/Round Black Pupils									
Size	Clear #	Clear Price	Coloured #	Coloured Price	Size	Clear #	Clear Price	Coloured #	Coloured Price
5mm	CEY5	4.20	CEY5(*)	5.50	14mm	CEY14	7.05	CEY14(*)	7.40
6mm	CEY6	4.20	CEY6(*)	3.85	16mm	CEY16	8.60	CEY16(*)	9.20
7mm	CEY7	4.20	CEY7(*)	5.50	18mm	CEY18	9.45	CEY18(*)	10.05
8mm	CEY8	4.20	CEY8(*)	5.50	20mm	CEY20	10.15	CEY20(*)	N/A
9mm	CEY9	4.20	CEY9(*)	3.85	22mm	CEY22	14.30	CEY22(*)	N/A
10mm	CEY10	4.20	CEY10(*)	6.20	(*) Colour Codes See "Coloured Eyes" above				
11mm	CEY11	4.20	CEY11(*)	6.20					
12mm	CEY12	5.50	CEY12(*)	6.80					

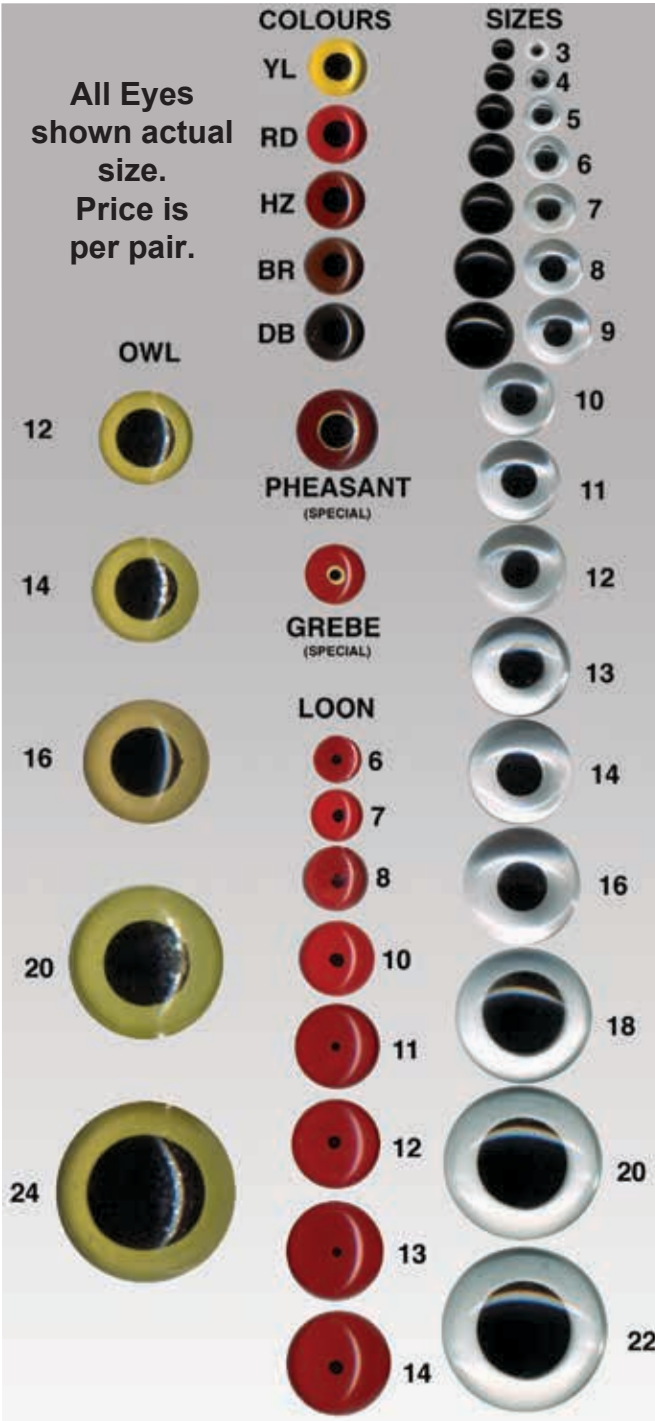
Oval Pupil Eyes		
Size	Item #	Price
3mm	EY3OVAL	1.80
4mm	EY4OVAL	1.80
Clear eyes with black oval-shaped pupils are great for reptiles and small animals! Larger sizes can be ordered.		
All eye prices are per pair.		

Specialty Eyes							
Size	Description	Item #	Price	Size	Description	Item #	Price
8mm	Grebe	EY8GRB	5.75	16mm	Misc. Owl, Straw Colour	EY16STOWL	11.25
10mm	Misc. Owl, Yellow	EY10OWL	6.20	18mm	Barred Owl	EY18BAROWL	12.20
11mm	Ring-necked Pheasant	EY11PH	9.20	20mm	Barred Owl	EY20BAROWL	13.00
12mm	Saw Whet / Boreal/ Burrowing Owl, Yellow	EY12OWL	6.80	16mm	Bald Eagle	EY16BE	11.25
12mm	As above, Straw colour	EY12STOWL	9.30	18mm	Bald Eagle	EY18BE	12.20
14mm	Screech / Long or Short-Eared Owl, Yellow	EY14OWL	7.40	18mm	Misc. Owl, Yellow	EY18OWL	12.20
14mm	As above, Straw colour	EY14STOWL	9.55	20mm	Great Horned Owl, Yellow	EY20OWL	12.10
16mm	Misc. Owl, Yellow	EY16OWL	8.40	24mm	Lg. Great Horned Owl, Straw Colour	EY24STOWL	13.00

Other eyes may be available - check our website or give us a call.

Glass Eyes (Cont.)

All Eyes shown actual size. Price is per pair.



With one of the best selections of eyes for carvers in Western Canada (if not all of Canada), we can supply any of your glass eye needs. Our money back guarantee and fast shipping on eye orders means you can buy eyes from us with confidence. We usually have over 4,000 pairs in stock, including special pupil shapes and custom eye colours. Everything listed is normally available for immediate shipping (although there have been a few supply chain issues in the last few years). At time of printing things appear to be improving.

Standard (Production) Grade Eyes our most popular eyes (not on wire). Very nice machine-made eyes. Reasonably priced and consistent in size and pupil diameter. Available in clear with black pupil, solid black, or 5 colours. Coloured eyes have baked enamel backs.

Colours:

- brown (BR)
- dark brown (DB)
- hazel (HZ)
- red (RD)
- yellow (YL)

To order a 7mm red eye, order Item # EY7RD.

A 12mm brown eye would be # EY12BR.

Competition Grade Eyes (not on wire). Our best eyes. Basic colour selection is same as standard grade eyes. Can also be custom painted for species requiring slightly different colour. We recommend that you let us know which species the eyes are for so we can get the proper colouration. *Competition eyes remain in very short supply at time of printing.*

Colour Codes (insert Code for (*) in Item # - page 51):

- BR = Brown
- DB = Dark Brown
- HZ = Hazel
- YL = Yellow
- RD = Red

Also available as clear eyes with black pupil.

All eye prices are per pair.

Fish Eyes

See next page for availability and pricing

<p>General - Gold or Trout General - Silver</p> <p>Muskie or Pike Walleye</p> <p>Natural Eyes #EYFN (size)(colour)</p>	<p>Clear Eye with Clear Pupil #EYFC (size)</p>	<p>3mm 4mm 5mm 6mm 8mm 9mm 10mm 11mm 12mm 13mm 14mm 16mm 18mm 20mm</p> <p>Clear w/ Black Pupil #EYF (size)</p>
<p>Largemouth Bass Smallmouth Bass Muskie or Pike</p> <p>Rainbow Trout Walleye</p> <p>24K Gold #EYFG (size)(colour)</p>	<p>Rainbow Trout</p> <p>Muskie or Pike</p> <p>Flex Eyes #EYFF (size)(colour)</p>	
<p>General Use Gold General Use Silver General Use Veined</p> <p>Muskie/Pike Rainbow Trout</p> <p>Enamel-back #EYFE (size)(colour)</p>		

Suction Pick-up Tool

Model Pal™ Suction Pickup Tool

Simplify handling of glass eyes with this ingenious little device. Simply squeeze the bulb, touch the silicone tip to the front of an eye and release the bulb. Vacuum will hold the eye while you position it. To release, simply squeeze the bulb again. Works on all eyes from 3mm up.

Supplied with 3 different tips. # 20520 \$21.25



Fish Eyes (Cont.)

Clear (Flint) w/ Black Pupil		
Size	#	Price
3mm	EYF03	6.60
4mm	EYF04	6.60
5mm	EYF05	6.60
6mm	EYF06	6.60
8mm	EYF08	7.05
9mm	EYF09	7.05
10mm	EYF10	10.05
11mm	EYF11	10.05
12mm	EYF12	10.40
13mm	EYF13	10.65
14mm	EYF14	11.00
16mm	EYF16	12.30
18mm	EYF18	12.65
20mm	EYF20	13.15

Clear (Flint) w/ Clear Pupil		
Size	#	Price
8mm	EYFC08	6.60
10mm	EYFC10	7.15
12mm	EYFC12	8.00
14mm	EYFC14	9.20
16mm	EYFC16	9.55
18mm	EYFC18	10.40

Natural Fish Eyes Our best, most realistic glass eyes			
Size	Species	Item #	Price
10mm	Gen. Gold	EYFN10GNG	23.40
12mm	Gen. Gold	EYFN12GNG	23.40
14mm	Gen. Gold	EYFN14GNG	26.35
16mm	Gen. Gold	EYFN16GNG	26.35
18mm	Gen. Gold	EYFN18GNG	26.35
20mm	Gen. Gold	EYFN20GNG	27.90
10mm	Gen. Silver	EYFN10GNS	23.40
12mm	Gen. Silver	EYFN12GNS	23.40
14mm	Gen. Silver	EYFN14GNS	23.40
16mm	Gen. Silver	EYFN16GNS	26.35
18mm	Gen. Silver	EYFN18GNS	26.35
20mm	Gen. Silver	EYFN20GNS	27.90
10mm	Muskie / Pike	EYFN10MPK	23.40
12mm	Muskie / Pike	EYFN12MPK	23.40
14mm	Muskie / Pike	EYFN14MPK	23.40
16mm	Muskie / Pike	EYFN16MPK	26.35
18mm	Muskie / Pike	EYFN18MPK	26.35
20mm	Muskie / Pike	EYFN20MPK	27.90
10mm	Walleye	EYFN10WA	23.40
12mm	Walleye	EYFN12WA	23.40
14mm	Walleye	EYFN14WA	23.40
16mm	Walleye	EYFN16WA	26.35
18mm	Walleye	EYFN18WA	26.35
20mm	Walleye	EYFN20WA	27.90

24K Gold-backed Species-Specific			
Size	Species	Item #	Price
12mm	Bass-LgMouth	EYFG12LB	12.65
14mm	Bass-LgMouth	EYFG14LB	15.75
16mm	Bass-LgMouth	EYFG16LB	16.45
12mm	Bass-SmMouth	EYFG12SB	12.65
14mm	Bass-SmMouth	EYFG14SB	15.75
16mm	Bass-SmMouth	EYFG16SB	16.45
8mm	Muskie / Pike	EYFG08PK	10.50
10mm	Muskie / Pike	EYFG10PK	10.85
12mm	Muskie / Pike	EYFG12PK	12.65
14mm	Muskie / Pike	EYFG14PK	15.75
16mm	Muskie / Pike	EYFG16PK	16.45
18mm	Muskie / Pike	EYFG18PK	16.70
20mm	Muskie / Pike	EYFG20PK	17.05
8mm	Rainbow Trout	EYFG08RT	10.50
10mm	Rainbow Trout	EYFG10RT	10.85
12mm	Rainbow Trout	EYFG12RT	12.65
14mm	Rainbow Trout	EYFG14RT	15.75
16mm	Rainbow Trout	EYFG16RT	16.45
18mm	Rainbow Trout	EYFG18RT	16.70
20mm	Rainbow Trout	EYFG20RT	17.05
8mm	Walleye	EYFG08WA	10.50
10mm	Walleye	EYFG10WA	10.85
12mm	Walleye	EYFG12WA	12.65
14mm	Walleye	EYFG14WA	15.75
16mm	Walleye	EYFG16WA	16.45
18mm	Walleye	EYFG18WA	16.70
20mm	Walleye	EYFG20WA	17.05

Enamel-backed for Muskie / Pike:		
Size	Item #	Price
6mm	EYFE06MPK	9.20
8mm	EYFE08MPK	10.05
10mm	EYFE10MPK	10.65
12mm	EYFE12MPK	12.30
14mm	EYFE14MPK	15.75
16mm	EYFE16MPK	16.45
18mm	EYFE18MPK	16.70
20mm	EYFE20MPK	17.05
for Rainbow Trout:		
6mm	EYFE06RT	9.20
8mm	EYFE08RT	10.05
10mm	EYFE10RT	10.65
12mm	EYFE12RT	12.30
14mm	EYFE14RT	15.75
16mm	EYFE16RT	16.45
18mm	EYFE18RT	16.70
20mm	EYFE20RT	17.05

Enamel-backed for General Use			
Size	Colour	Item #	Price
3mm	GOLD	EYFE03GNG	8.00
4mm	GOLD	EYFE04GNG	8.00
5mm	GOLD	EYFE05GNG	8.00
6mm	GOLD	EYFE06GNG	8.00
8mm	GOLD	EYFE08GNG	8.35
10mm	GOLD	EYFE10GNG	9.20
12mm	GOLD	EYFE12GNG	10.05
14mm	GOLD	EYFE14GNG	10.65
16mm	GOLD	EYFE16GNG	12.30
18mm	GOLD	EYFE18GNG	12.65
20mm	GOLD	EYFE20GNG	13.85
6mm	SILVER	EYFE06GNS	8.00
8mm	SILVER	EYFE08GNS	8.35
10mm	SILVER	EYFE10GNS	9.20
12mm	SILVER	EYFE12GNS	10.05
14mm	SILVER	EYFE14GNS	10.65
16mm	SILVER	EYFE16GNS	12.30
18mm	SILVER	EYFE18GNS	12.65
20mm	SILVER	EYFE20GNS	13.85

Enamel-backed for General Use (continued)			
Size	Colour	Item #	Price
6mm	VEINED	EYFE06GNV	10.05
8mm	VEINED	EYFE08GNV	10.40
10mm	VEINED	EYFE10GNV	10.65
12mm	VEINED	EYFE12GNV	12.05
14mm	VEINED	EYFE14GNV	15.75
16mm	VEINED	EYFE16GNV	16.45
18mm	VEINED	EYFE18GNV	16.70
20mm	VEINED	EYFE20GNV	17.05

Flex™ Fish Eyes (not glass but <i>extremely</i> realistic)			
Size	Species	Item #	Price
12mm	Rainbow Trout/Crappie	EYFF12RBCR	14.30
14mm	Walleye	EYFF14WE	17.90
12mm	LM Bass/Muskie/Pike	EYFF12LMNP	14.30
14mm	LM Bass/Muskie/Pike	EYFF14LMNP	15.50
16mm	LM Bass/Muskie/Pike	EYFF16LMNP	15.50
18mm	LM Bass/Muskie/Pike	EYFF18LMNP	15.50
20mm	LM Bass/Muskie/Pike	EYFF20LMNP	16.70

We can supply other fish, reptile and amphibian eyes by special order. Just tell us your needs and we will do our best to supply great eyes for your next project.

All eyes listed above are normally kept in stock for immediate shipping.
For special orders allow up to 3 weeks.

Eye, Foot, Bill & Study Cast Reference Chart (pgs.56-59)

How TO

Use this chart to find availability of eyes, feet, study bills and study casts for most species of North American birds (as well as a few exotics like Toucans and Rollers).

Eyes (See p.51-54): Most common sizes and colour is shown. Use as a guide; variations in size and colour will occur from one individual to another. Be sure to consult further reference if exact size and colour is important. In most instances, black eyes and dark brown eyes can be interchanged with good results. Colours used in this chart are as follows:

LB=Light brown; **BR**=Medium brown; **DB**=Dark brown; **HZ**=Hazel; **RD**=Red; **GR**=Green; **DY**=Deep yellow; **LY**=Light yellow, **YL**=Medium yellow, **BL**= Black. Other colours as listed.

Feet (See p.46,47): If a suitable cast pewter foot is made, it will be listed in this column. The number shown is our catalogue# (minus the "FT" prefix). ie: under Brewer's Blackbird, "BJAY" would indicate our cat# "FTBJAY". Feet for a Blue Jay could be used, as there are no feet made specifically for the Blackbird.

Substituting Feet: Where a "Sub" appears under the Cast Foot column, there is a cast foot that could be substituted. Sometimes the best substitute foot will be listed beside the "Sub", indicating which foot would give the closest match. Where the best substitute is not listed, (Sub - call) you can contact us with some measurements for your bird and we will provide a suitable foot. Substitute feet will be close to correct, but not a perfect match. If box is grey, no cast feet available.

Bills (See p.44-45): If box is grey, no bills are available for this species. Otherwise, the bill number will be indicated (minus the "SB" prefix). ie: Bald Eagle indicates "332" - use # SB332; Catbird indicates "CATB" - use # SBCATB. "+" behind the bill number indicates that multiple bill choices exist (ie. full-head bill *and* taxidermy bills are available).

Study Casts (See p.42-43): If a cast is available, it will be indicated here, along with its scale. ie: Bald Eagle indicates "1/5 LS" (Life-size), while the Indigo Bunting indicates LS.

Species	Eye Size & Colour	Cast Foot	Bill	Study Cast
Anhinga	9BR			
Avocet	8DB			
Bittern, American	14YL		ABITT	
Bittern, Least	8YL			
Blackbird,				
Brewer's	6YL	BJAY		
Red-winged	5BL or DB	ROBIN		
Rusty (male)	5LY	ROBIN		
Rusty (female)	5YL	ROBIN		
Tri-coloured	5BL or DB	ROBIN		
Yellow-headed	6BL or DB	BJAY		
Bluebird, Eastern	5BL or DB	BBIRD		LS #07 & #53
Bluebird, Mountain	6BL or DB	EVENI		
Blue Jay	9DB	BJAY	285	#13%, 20%, 46%
Bobolink	5BL	Oriol		
Brant, Pacific	11DB		152	
Buffinch	6DB	Sub - call		
Bunting, Indigo	5BL	BBIRD		LS #11
Lark	5BL	ORIOLO		
Lazuli	5BL	BBIRD		
Painted	5BL	BBIRD		
Snow	4-5BL	ORIOLO		
Buzzard	12DB			
Canary	3BL	CHICK		
Cardinal	5BL	CARD		LS #08 or #34 1/2LS #27
Catbird	5BL	ROBIN	CATB	
Chickadee (all)	4BL	CHICK		LS #04, 24, 41 or 71
Chicken, Domestic	10HZ			
Condor	16DB			
Coot	8RD		250/COOT	
Cormorant,				
Double-crested	12GR			
Olivaceous	12GR			

Species	Eye Size & Colour	Cast Foot	Bill	Study Cast
Cowbird	6BL	ROBIN		
Crane, Common	12YL			
Crane, Sandhill	12YL		162	
Whooping	12YL			
Creepers, Brown	5BL	Sub - call		
Crossbill	5BL	EVENI		
Crow	11DB	CROW	280	
Cuckoo, Yellow-billed	7BR			
Curlew, Eskimo	8BR			
Curlew, Long-billed	9DB			
Dipper	5BL	Sub - call		
Dowicher, Long-billed	7DB			
Dowicher, Short-billed	7DB			
Dove, Mourning	7DB	DOVE	264+MD	LS #12
Dove, Turtle	7BR			
Dove, White-winged	8DY	WDOVE	262	
Duck:				
Black Duck (both)	11BR	MAL	014/015	
Blue-winged Teal both	9BR	GWT	088/086	
Bufflehead M	9BR	BUFFL	070	
Bufflehead F	8BR	BUFFL	072	
Canvasback M	10RD	CANVS	030	
Canvasback F	10BR	CANVS	032	
Cinnamon Teal M	9RD	GWT	004	
Cinnamon Teal F	9BR	GWT	002	
Gadwall (both)	10BR	MAL	066/064	
Garganey (both)	9BR			
Gold'ey,Barrows M	10YL		078	
Gold'ey,Barrows F	10LY		080	
Gold'ey,Common M	10YL		048	
Gold'ey,Common F	10LY		046	
Green-winged Teal M	10LB/HZ	GWT	026	
Green-winged Teal F	10LB	GWT	028	

Eye, Foot, Bill & Study Cast Reference Chart (Cont)

Species	Eye Size & Colour	Cast Foot	Bill	Study Cast
Duck: (cont.)				
Harlequin M	9DB		076	
Harlequin F	9BR		074	
Labrador M	11HZ		SBLAB	
Long-tailed M	9LB		096	
Long-tailed F	9BR		094	
Mallard (both)	11BR	MAL	014/015	
Mandarin (both)	11LB	WDUCK	144/146	
Pintail (both)	10BR	PINTL	018/019	
Pochard M	10RD			
Pochard F	10BR			
Redhead M	10YL		062	
Redhead F	10BR		064	
Ring-necked M	9YL		058	
Ring-necked F	9BR		056	
Ruddy (both)	9DB		124	
Scaup, Greater M	10YL		034	
Scaup, Greater F	10DY		036	
Scaup, Lesser M	9YL		038	
Scaup, Lesser F	9DY		040	
Shoveller M	10YL	PINTL	053	
Shoveller F	10BR	PINTL	054	
Smew	10DB			
Tufted	10YL			
Whistling fulvous	10BR		140	
Wigeon M	10HZ/LB	WGEO	010	
Wigeon F	10BR	WGEO	012	
Wood Duck M	11RD	WDUCK	006	
Wood Duck F	11BR	WDUCK	008	
Eagle, Bald	16 Straw		332	1/5LS #22
Eagle, Golden	18DB		333	
Egret, Cattle	7YL			
Egret, Snowy	7YL			
Eider, Common	10BR		082/084	
Eider, King M	10DB		112	
Eider, King F	9BR		110	
Eider, Spectacled	9BLUE		116/114	
Eider, Steller's M	8BL		108	
Eider, Steller's F	8BR		106	
Falcon, Prairie	13DB	PEREG		
Falcon, Peregrine	13DB	PEREG	309	1/4LS #30
Finch, House	5BL	WTSPA		
Finch, Purple	5BL	WTSPA		LS #35
Flicker, Northern	7DB/BL	FLICK	702	2/3LS #39
Gallinule, Common	10DB		252	
Gallinule, Purple	10RD		254	
Godwit, Hudsonian	7DB			
Godwit, Marbled	8DB			

Species	Eye Size & Colour	Cast Foot	Bill	Study Cast
Goldfinch	4BL	GOLD		LS #56
Goose, Blue	12BR		099	
Goose, Cackling	10DB		130	
Goose, Canada	12DB	MINI	136	
Goose, Ross's	12BR		022	
Goose, Snow	12BR		100	
Goose, White-fronted	12BR		104	
Goshawk	13RD			1/3LS #37
Grackle, Common	7BL		289	
Grebe, Eared	8RD*			
Grebe, Horned	8RD*			
Grebe, Pied-billed	7RD/7BR			
Grebe, Red-necked	10BR			
Grebe, Western	12RD*		WGREG	
Grosbeak, Blue	6BL	EVENI		
Grosbeak, Evening	6BL	EVENI		
Grosbeak, Pine	7DB or BL	ROBIN		
Grosbeak, Rose-breasted	6BL	EVENI		LS #42
Grouse, Blue	8HZ		242	
Grouse, Ruffed	9HZ		228+	
Grouse, Sage	10BR		229	
Grouse, Sharp-tailed	10HZ	GROUS	240+	
Grouse, Spruce	9BR		226+	
Gull, California	11BR			
Gull, Franklin's	9BR			FRGUL
Gull, Herring	12YL	HERGL		
Gull, Laughing	9BR			
Gull, Ring-billed	10YL	RBGUL		
Gyr Falcon	14DB			#70
Hawk, Broad-winged	10LB	BWHWK		
Hawk, Cooper's	10RD	COOPR	314	
Hawk, Ferruginous	12BR			
Hawk, Harris'	12BR		325	
Hawk, Harrier/Marsh	12DB			
Hawk, Red-shouldered	12DB		308	#67
Hawk, Red-tailed	13DB	RTHWK	310	1/4SL #16
Hawk, Rough-legged	13BR			
Hawk, Sharp-shinned	9RD	SSHIN	312	#73
Hawk, Sparrow	9DB	KESTR	318	1/2LS #29
Hawk, Swainson's	13DB			
Hawk Owl, Northern	12YL			
Heron, Bk. Crown Nite	12YL		291	1/3LS #23
Heron, Great Blue	14YL		294	1/5LS #31
Heron, Green	11LY	GHERON		LS#65
Hummingbird:				
Allen's	3BL			
Anna's	3BL			
Broad-billed	3BL			

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Eye, Foot, Bill & Study Cast Reference Chart (Con't)

Species	Eye Size & Colour	Cast Foot	Bill	Study Cast
Calliope	3BL			
Costa's	3BL			
Ruby-throated	3BL			
Rufous	3BL			
Ibis, White	9GRAY			
Jay, Gray	8DB or BL	BJAY	279	
Jay, Scrub	7DB or BL	BJAY		
Jay, Steller's	7DB or BL	BJAY		LS #SC098
Junco	4BL	EVENI		
Kestrel	9DB	KESTR	318	1/2LS #29
Killdeer	8DB	KILDR		2/3LS #58
Kingbird, Eastern	7DB	ROBIN	EKB	
Kingbird, Western	7DB	ORIOI		
Kingfisher, Belted	9DB	KFISH		1/2 LS #15
Kinglet, Gold-crowned	4BL	CHICK		LS #47
Kinglet, Ruby-crowned	4BL	CHICK		
Knot, Red	6BL			
Lark, Horned	6BL	EVENI		
Longspur, Lapland	5BL	Sub - call		
Loon, Arctic (Pacific)	12LOON		800	
Loon, Common	14LOON		293	
Loon, Red-throated	12LOON			
Loon, Yellow-billed	14LOON			
Maggie, Black-billed	9DB	MLARK		
Martin, Purple	7BL	CARD		
Meadowlark	7DB	MLARK		
Merganser, Common	10BR		020/042	
Merganser, Hood M	9YL		092	
Merganser, Hood F	9BR		090	
Merganser, Red-breasted (both)	10RD		120/118	
Merlin	10DB	KESTR	317	2/3LS #36
Mockingbird	8DB	Sub - call		3/4LS #50
Murre, Common	11DB			
Murre, Thin-billed	10DB			
Murrelet, Marbled	7DB			
Myna, Crested	8YL	Sub - call		
Nighthawk, Common	9BL		740	
Nutcracker, Clark's	8DB	ROBIN		
Nuthatch, Pygmy	4BL	CHICK		
Nuthatch, Red-breasted	4BL	Toe-RBNUT		LS #25
Nuthatch, White-Br.	5BL	NUTHA		LS #03
Oriole, Northern	5DB or BL	ORIOI		LS #14
Osprey	14YL			
Ovenbird	5BL	HWREN		LS#69
Owl, Barn	14DB		328	1/3LS #44
Owl, Barred	18BLUE		323	
Owl, Boreal	12OWL			
Owl, Burrowing	11YL		319	
Owl, Elf	10OWL			\$61

Species	Eye Size & Colour	Cast Foot	Bill	Study Cast
Owl, Flammulated	12BL		322	
Owl, Great Gray	20YL			
Owl, Great Horned	20OWL		330	#SC087 or #66
Owl, Long-eared	14OWL			
Owl, Saw-whet	12OWL		321	LS, 54% 17½
Owl, Screech	14STOWL	OWL	326	1/2LS #18
Owl, Short-eared	14OWL			
Owl, Snowy	18OWL		324	1/3LS #33
Oystercatcher, Black	9YL			
Partridge, Chukar	8BR	CHUK	220	
Partridge, Gray	8HZ		224	
Pelican, Brown	20 LT.GRY	MINI		
Pelican, White	20LT.GRY	MINI		
Phalarope, Northern	6DB			
Phalarope, Red	6DB			
Phalarope, Wilson's	6DB			
Pheasant, Ring-necked	11PHEAS		200	1/3LS #75
Phoebe, Say's	7BL			
Pigeon	8DY	PIGON		
Plover, Golden	7DB	KILDR		
Plover, Black-bellied	7DB	BPLOV		
Plover, Killdeer	8DB	KILDR		2/3LS #58
Plover, Piping	7DB	SEMPLOV		LS #28
Plover, Semipalmated	7DB	SEMPLOV		LS #28
Plover, Snowy	7DB	SEMPLOV		
Prairie Chicken, Greater	10HZ		246	
Prairie Chicken, Lesser	10HZ			
Ptarmigan, Rock	8DB			
Ptarmigan, White-tailed	8DB		271	
Ptarmigan, Willow	8DB		270	
Puffin, Atlantic	8DB	WDUCK	912	1/2LS #26
Puffin, Horned	9DB	WDUCK		
Puffin, Tufted	9GRAY	WDUCK	910	
Pyrrhuloxia	6DB	CARD		
Quail, Bobwhite	8DB	BOBWH	237	LS #60
Quail, California	8BR			
Quail, Gambel's	8BR	GAMBL	234	
Quail, Mountain	8BR		232	
Quail, Scaled	8BR		235	
Rail, Clapper	10HZ	GHERON2		
Rail, Sora	6DB	SORA	290	
Rail, Virginia	6HZ			
Rail, Yellow	8DB			
Raven	10DB		288	
Redpoll, Common	4BL	WTSPA		LS #43
Redpoll, Hoary	4BL	TMOUS		
Redstart, American	4DB			
Roadrunner	10YL	RDRUN		1/2LS #55
Robin, American	7DB	ROBIN		LS#74

Eye, Foot, Bill & Study Cast Reference Chart (Con't)

Species	Eye Size & Colour	Cast Foot	Bill	Study Cast
Sanderling	6BL	LSTPP		LS #09
Sandpiper, Least	4BL	LSTPP		
Sandpiper, Pectoral	7DB	YLEG		
Sandpiper, Solitary	6BL	YLEG	SOLSA	
Sandpiper, Spotted	6BL	SPOT		
Sandpiper, Upland	8DB	WILLE		
Sandpiper, Western	5BL	LSTPP		
Sapsucker, Yellow-belly	7DB	RHWP	YBSS	
Scoter, Black (common)	9DB		148	
Scoter, Surf M	9LT.GRY		052	
Scoter, Surf F	9BR			
Scoter, White-winged M	10WHITE		128	
Scoter, White-winged F	10DB			
Shrike, Loggerhead	8DB	ROBIN		2/3LS #51
Shrike, Northern	8DB	ROBIN		2/3LS #51
Siskin, Pine	4BL	GOLD		
Snipe, Wilson's	7DB	KILDR	256	
Sparrow, Chipping	4BL	TMOUS		
Sparrow, Harris'	5BL	WTSPA		
Sparrow, House	5BR	WTSPA		
Sparrow, Song	5BL	CWREN		
Sparrow, Tree	5BL	WTSPA		LS #02
Sparrow, Vesper	5BL	CWAX		
Sparrow, White-crowned	5BR	WTSPA		
Sparrow, White-throated	5BR	WTSPA		LS #01
Spoonbill, Roseate	12YL			
Starling	6DB or BL	BJAY	710	
Stilt, Black-necked	8DB		914	
Swallow, Bank	6BL	CWAX		
Swallow, Barn	6DB	CWAX		LS #48
Swallow, Cliff	6BL	CWAX		
Swallow, Tree	6BL	CWAX		
Swan, Trumpeter	13BR		171	
Swan, Tundra	13BR		170	
Swift, Chimney	6BL			
Tanager, Scarlet	6DB or BL	ORIOI		
Tanager, Summer	6DB or BL	ORIOI		LS #38
Tanager, Western	6DB or BL	ORIOI		LS #38
Tern, Arctic	7DB			
Tern, Black	7BL			
Tern, Caspian	10DB			
Tern, Common	8DB			
Tern, Forster's	8DB			
Tern, Least	7DB			LS #40

Species	Eye Size & Colour	Cast Foot	Bill	Study Cast
Tern, Royal	12DB			1/2LS #40
Thrasher, Brown	6YL	ROBIN		
Thrasher, Curve-billed	8YL	ROBIN		
Thrush, Hermit	6DB or BL	ORIOI		
Thrush, Swainson's	6DB or BL	ORIOI		
Thrush, Varied	6DB	ORIOI		
Thrush, Wood	6DB	WTHR		
Titmouse	4BL	TMOUS		LS#63
Towhee, Spotted	6RD	EVE		LS #47
Toucan	8-10DB			1/3LS #59
Turkey, Wild	12BR			
Turnstone, Black	6DB			
Turnstone, Ruddy	6DB			
Veery	6DB			
Vireo, Red-eyed	5RD			
Vireo, Solitary	5DB			
Vireo, Warbling	5BL		WVIREO	
Vulture, Black	12BR			
Vulture, Turkey	13BR			
Warbler (most)	4BL	CHICK		
Warbler, Tennessee	4BL	CHICK	TENWA	
Warbler, Yellow-rumped	4BL	CHICK		LS #21
Waterthrush, Northern	5BL	HWREN		
Waxwing, Bohemian	5BL	BBIRD		
Waxwing, Cedar	5BL	TMOUS	720	LS #05 or #62
Whimbrel	9DB			
Whip-poor-will	8BL			
Willet	8DB	WILLE		
Woodcock	9BR	WCOCK	258	2/3LS #49
Woodpecker, Downy	6BL	DOWNY		LS #06 & #57
Woodpecker, Hairy	7DB	RHWP		
Woodpecker, 3-toed	7DB	RHWP		
Woodpecker, Pileated	11Lt.YL	PILEA	700	
Woodpecker, Red-headed	7BR	RHWP		
Wren, Beweck's	4BL	HWREN		
Wren, Cactus	4BL	HWREN		
Wren, Carolina	4BL	CWREN		LS #32
Wren, House	4BL	HWREN		
Wren, Long-billed Marsh	4BL	HWREN		
Wren, Winter	4BL	HWREN		LS#68
Yellowlegs, Greater	8DB	WILLE		
Yellowlegs, Lesser	7DB	YLEGS		
Yellowthroat, Common	4BL	CWAX		

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Atelier® Artists Paints



Atelier® **FREE FLOW**
ARTISTS' ACRYLIC

Atelier Free Flow paints are a premium paint with exceptional pigment load and incredible fluidity. They dry to a velvet-matte finish with rich and vibrant colour. Since their introduction several years ago they've become Cam's favourite acrylic paint. They dilute and flow out of the brush beautifully, even when diluted only with water (no flow medium needed). You'll love them! They are compatible with Jo Sonja and Chroma paints, too.

Atelier® Free Flow Colours 2 oz. (60 ml) bottle					
Colour	Item #	Price	Colour	Item #	Price
Titanium White	JA105	13.17	Cerulean Blue Hue	JA115	15.36
Arylamide Yellow Light	JA108	17.20	Pthalo Blue	JA103	13.17
Cadmium Yellow Light	JA133	24.41	Cobalt Turquoise Light	JA135	31.92
Cadmium Yellow Medium	JA111	24.41	Pthalo Green	JA104	13.17
Arylamide Yellow Deep	JA124	17.20	Viridian Green Hue	JA114	13.17
Cadmium Orange	JA129	24.41	Permanent Green Light	JA120	15.36
Pyrrrole Orange	JA127	17.20	Chromium Green Oxide	JA116	15.36
Red Gold	JA128	17.20	Yellow Ochre	JA106	13.17
Cadmium Red Light	JA130	24.41	Light Red Ochre	JA102	13.17
Pyrrrole Red	JA109	17.20	Burnt Sienna Natural	JA112	13.17
Napthol Crimson	JA126	17.20	Transparent Burnt Sienna	JA122	15.36
Cadmium Red Medium	JA131	24.41	Indian Red Oxide	JA118	15.36
Permanent Alizarine	JA134	24.41	Raw Umber	JA113	13.17
Quinacridone Magenta	JA110	17.20	Raw Sienna Natural	JA136	13.17
Dioxazine Purple	JA125	17.20	Transparent Raw Sienna	JA123	15.36
French Ultramarine Blue	JA107	15.36	Burnt Umber	JA100	13.17
Pthalo Blue (Red Shade)	JA121	15.36	Carbon Black	JA101	13.17
Cobalt Blue Hue	JA117	15.36	Paynes Grey	JA119	15.36



Jo Sonja Paints

Matte Flow Acrylic

Metallic and Iridescent Colours		
Colour	Item #	Price
Metallic Colours 2.5 oz.		
Pearl White	J051	11.55
Burnish Copper	J052	11.55
Pale Gold	J053	11.55
Rich Gold	J054	11.55
Rose Gold	J701	11.55
Silver	J055	11.55
Iridescent Colours 2 oz. bottles		
Blue Iridescent	J3152	11.13
Gold Iridescent	J3153	11.13
Green Iridescent	J3151	11.13
Red Iridescent	J3150	11.13
Turquoise Irides.	J3154	11.13
Violet Iridescent	J3155	11.13

Regular Colours 8 oz. Bottles					
Colour	Item #	Price	Colour	Item #	Price
Burnt Umber	J3306	17.32	Titanium White	J3347	17.32
Carbon Black	J3310	17.32	Warm White	J3346	17.32
Raw Umber	J3334	17.32	Unbleach Titanium	J3419	17.32

Iridescent Powders



This is the best thing made for that metallic iridescent sheen on many birds. Each set contains 11 different colours: Blue, Blue-Green, Copper, Emerald, Gold, Red, Rouge Flambe, Super Green, Antique Silver, Violet, Pearl White. A little of this stuff goes a long way. HINT: Mix with transparent paint washes (acrylic or oil). Shows best over dark colours (black or dark brown). Available in 2 different sized sets - the small set is a great way to try them out; the large set will last most carvers a very long time.
 Small Set ~ 0.5 grams*/colour # IRID-SM \$8.50
 Large Set ~ 7 grams*/colour...# IRID-LG \$29.70

Individual Colours available \$4.75 / 7 grams*:

IRIDBLUE	IRIDROUGE
IRIDBLUEGREEN	IRIDSGREEN
IRIDCOPPER	IRIDSILVER
IRIDEMERALD	IRIDVIOLET
IRIDGOLD	IRIDWHITE
IRIDRED	

Note: Some colours are more dense than others, so some colours will appear to fill the container more than others. *Weights are approximate.



Jo Sonja Paints (cont.)

Jo Sonja Matte Flow Acrylic paints represent the best value and colour selection for bird and wildlife artists, as well as crafters. Great pigment load, excellent workability and unrivaled versatility (using the many mediums available See Page 62) are the reasons why Jo Sonja paints continue to be our most popular paint line. They dry to a durable suede-matte finish (slightly flatter than Atelier Free Flow).

Regular Jo Sonja Colours 2.5 oz. (75 ml) tube								
Colour	Item #	Price	Colour	Item #	Price	Colour	Item #	Price
Amethyst	J001	7.12	Hookers Green	J608	7.12	Pyrrrole Orange	J700	11.55
Antique Green	J592	7.12	Indian Red Oxide	J019	7.12	Pyrrrole Red	J840	11.55
Aqua	J002	7.12	Indian Yellow	J609	7.12	Pyrrrole Red Orange	J841	11.55
Arylide Yellow	J842	7.12	Jade	J020	7.12	Raw Sienna	J034	7.12
Bisque	J603	7.12	Jaune Brilliant	J598	7.12	Raw Umber	J035	7.12
Black Umber	J843	7.12	Mars Black	J3086	7.12	Red Earth	J036	7.12
Blue Violet	J699	7.12	Mid Value Cool Beige (Provincial Beige)	J029	7.12	Red Violet	J611	11.55
Brilliant Green	J003	7.12	Mid Value Grey (Nimbus Grey)	J024	7.12	Rose Pink	J037	7.12
Brilliant Magenta	J594	7.12	Mid Value Warm Beige (Fawn)	J015	7.12	Sap Green	J612	7.12
Brilliant Violet	J595	7.12	Moss Green	J021	7.12	Sapphire	J038	7.12
Brown Earth	J004	7.12	Naples Yellow Hue	J599	7.12	Smoked Pearl	J039	7.12
Brown Madder	J606	11.55	Napthol Crimson	J022	7.12	Storm Blue	J040	7.12
Burgundy	J005	7.12	Napthol Red Lt.	J023	7.12	Teal Green	J041	7.12
Burnt Sienna	J006	7.12	Norweg. Orange	J025	7.12	Titanium White	J048	7.12
Burnt Umber	J007	7.12	Olive Green	J600	7.12	Transp. Magenta	J042	14.80
Cad. Yellow Lt.	J009	11.65	Opal	J026	7.12	Turners Yellow	J043	7.12
Carbon Black	J011	7.12	Pacific Blue	J601	7.12	Ultramarine Blue	J045	7.12
Celadon	J596	7.12	Paynes Grey	J031	7.12	Ultramarine Blue Deep	J044	7.12
Cerulean Blue Hue	J3085	7.12	Pern. Alizarine	J602	11.55	Unbleached Titanium	J604	7.12
Citrine	844	11.55	Pine Green	J027	7.12	Vermillion	J046	7.12
Cobalt Blue Hue	J012	7.12	Plum Pink	J028	7.12	Warm White	J047	7.12
Colony Blue	J013	7.12	Prussian Blue Hue	J030	7.12	Yellow Deep	J593	7.12
Diox. Purple	J014	14.80	Phthalo Blue	J032	7.12	Yellow Green	J697	7.12
French Blue	J016	7.12	Phthalo Green	J033	7.12	Yellow Light	J049	7.12
Gold Oxide	J017	7.12	Phthalo Turquoise	J3087	7.12	Yellow Orange	J698	7.12
Green Oxide	J018	7.12	Purple Madder	J610	11.55	Yellow Oxide	J050	7.12

Premium Pearlescent Colours			
Premium Pearlescent Colours 2.0 oz.	Item #	Price	
Blue	J3866	15.05	
Blue Green	J3685	15.05	
Dark Red Violet	J3687	15.05	
Deep Blue	J3688	15.05	
Deep Violet	J3689	15.05	
Green	J3690	15.05	
Magenta	J3691	15.05	
Orange	J3692	15.05	
Pearl White	J3693	15.05	
Red	J3694	15.05	
Red Violet	J3695	15.05	
Violet	J3696	15.05	
Yellow	J3698	15.05	
Yellow Green	J3697	15.05	

Premium Metallic Colours			
Premium Metallic Colours 2.0 oz.	Item #	Price	
Aztec Gold	J3820	11.13	
Burnish Copper	J3821	11.13	
Green Gold	J3822	11.13	
Lustrous Gold	J3823	11.13	
Olive Green	J3824	11.13	
Platinum	J3825	11.13	
Rose Gold	J3826	11.13	
Steel Blue	J3827	11.13	

Jo Sonja Medium and Paint Sets

About Jo Sonja Mediums

Flow Medium: Allows paint to flow from brush easily. Good for diluting paint. Can always use Flow Medium with Jo Sonja paints.

Retarder Medium: Extends drying and curing time without affecting the finish. Useful for blending techniques as well as when diluting Jo Sonja paints for airbrush.

Varnishes: Not technically a medium, you can add Poly Varnish to toughen paints or to increase the gloss.

Jo Sonja Mediums and Misc. Products

Description	Item #	Price	Description	Item #	Price	Description	Item #	Price
<u>All-Purpose Sealer</u> 2 oz. Bottle 8 oz. Bottle	J3602	4.48	<u>Retarder/Antiquing</u> 2 oz. Bottle 8 oz. Bottle	J3603	4.48	<u>Gesso</u> <u>8 oz. Bottles</u> White Black	J3711	13.16
	J3702	13.54		J3703	13.54		J3713	13.16
<u>Clear Glaze Medium</u> 8 oz. Bottle	J3708	15.58	<u>Tannin Blocking Sealer</u> 8 oz. Bottle	J3704	13.54	<u>Texture Paste</u> White 8 oz. Jar	J3743	12.42
	<u>Flow Medium</u> 2 oz. Bottle 8 oz. Bottle	J3607		4.48	<u>Crackle Pack 2 oz.</u> 1 ea. Crackle and Decor Crackle		J3844	7.85
J3707		12.19	<u>Cork Sealer</u> 8 oz. Bottle	J3716		13.54	<u>Jo Sonja Liquid Brush Soap</u> (works with all paint types) 2 oz. Bottle 8 oz. Bottle	J3848
<u>Poly Gloss Varnish</u> 2 oz. Bottle 8 oz. Bottle	J3601	4.48		Other Jo Sonja mediums are available by special order. Please inquire.				
	J3701	15.58	J3860				13.23	
<u>Poly Matte Varnish</u> 2 oz. Bottle 8 oz. Bottle	J3600	4.48						
	J3700	15.58						

Jo Sonja Packaged Sets

	Item#	Price
10 x 20ml (2/3 oz.) Palette Sampler Set contains: Carbon Black, Warm White, Titanium White, Burgundy, Naphthol Red Light, Yellow Light, Ultra Blue Deep, Pine Green, Brown Earth, Rich Gold.	J3901	33.61
6 x 20ml (2/3 oz.) Metallic Set contains: Pearl White, Silver, Pale Gold, Rich Gold, Burnished Copper, Rose Gold.	J3873	29.10
6 x 20ml (2/3 oz.) Iridescent Set contains (all iridescent colours): Blue, Gold, Green, Red, Turquoise, Violet.	J3874	29.10
12 x 20ml (2/3 oz.) Creative Possibilities Set contains: Titanium White, Naphthol Red Light, Naphthol Crimson, Yellow Light, Yellow Orange, Pine Green, Yellow Green, Blue Violet, Aqua, Dioxazine Purple, Amethyst, Carbon Black	J3875	56.05
8 x 60ml (2 oz.) Premium Metallic Set contains: Aztec Gold, Burnished Copper, Green Gold, Lustrous Gold, Olive Green, Platinum, Rose Gold, Steel Blue	J3980	79.80



LC92 .5mm \$24.95



LC921 Set of 2 .25 & .5 mm \$49.90

Vermiculating Pens

(Supplied with cleaning tool as shown)

The manufacturer calls these "paint pens", but bird carvers often refer to them as Vermiculating pens. They hold thinned-down acrylic paints and can be used for controlled painting of fine lines, like the vermiculation on many ducks. Because you can mix whatever colour of paint you want, this pen gives you superb versatility in colour-matching and pigment density. Simply place a drop of diluted paint in the cup and start drawing. Works great with airbrush paints too. These solid brass pens will last many years.

Maple & Bass Toll-free Canada & USA 1-833-520-2277 mapleandbass.com

Harder & Steenbeck Airbrushes

We carry select airbrushes and parts by Harder & Steenbeck and Iwata. Each airbrush we offer is selected for its value, quality and serviceability. We carry a full stock of replacement parts and accessories for each and every one of these airbrushes, so you can be assured that the airbrush you buy today will serve you for many years to come, even if something breaks or wears out. If you're not sure which airbrush would be right for you, don't hesitate to get in touch with us and we'll help you select the best airbrush for your needs.

When we first encountered Harder & Steenbeck airbrushes we were blown away by their quality, innovation, attention to detail and user-friendliness. The Infinity is arguably the nicest airbrush on the market today. Harder & Steenbeck has been building airbrushes in Germany for over 50 years and have proven themselves among the best airbrushes made.

Evolution Silverline

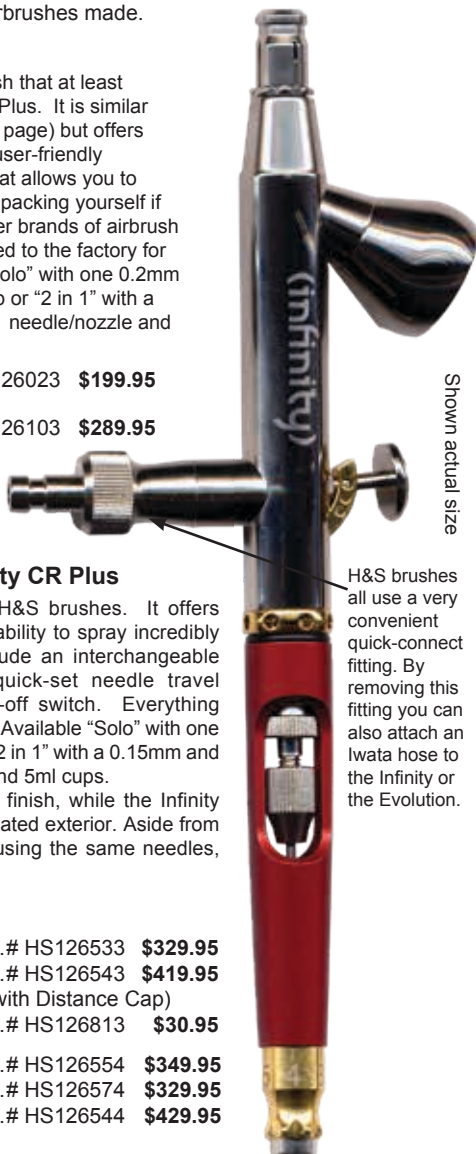
The Evolution is an excellent airbrush that at least rivals the quality of the Iwata HP-B Plus. It is similar in feel to the Iwata brush, (see next page) but offers interchangeable cups as well as a user-friendly maintenance system that allows you to replace the needle packing yourself if needed (most other brands of airbrush need to be returned to the factory for this). Available "Solo" with one 0.2mm needle and 2ml cup or "2 in 1" with a 0.15mm and 0.4mm needle/nozzle and 2ml and 5ml cups.

Evolution "Solo" # HS126023 **\$199.95**

Evolution "2-in-1"# HS126103 **\$289.95**



Shown actual size



Shown actual size

Infinity and Infinity CR Plus

The Infinity is the flagship of H&S brushes. It offers unrivaled smoothness and the ability to spray incredibly fine lines. Other features include an interchangeable colour cup (clever!) and a quick-set needle travel adjustment with an instant on-off switch. Everything about this airbrush says quality! Available "Solo" with one 0.15mm needle and 2ml cup or "2 in 1" with a 0.15mm and 0.4mm needle/nozzle and 2ml and 5ml cups.

The Infinity has a nickel-plated finish, while the Infinity CR+ has a high-gloss chrome-plated exterior. Aside from the finish it's the same brush, using the same needles, nozzles, cups, etc.

H&S brushes all use a very convenient quick-connect fitting. By removing this fitting you can also attach an Iwata hose to the Infinity or the Evolution.

Infinity "Solo" .15mm"# HS126533 **\$329.95**

Infinity "2-in-1" (.15 & .4).....# HS126543 **\$419.95**
 ("2-in-1" is supplied with Distance Cap)

Distance cap (Infinity only)# HS126813 **\$30.95**

Infinity CR+ "Solo" .15mm# HS126554 **\$349.95**

Infinity CR+ "Solo" .4mm# HS126574 **\$329.95**

Infinity CR+ "2-in-1" (.15 & .4) ..# HS126544 **\$429.95**

"Quick-fix" rear handle
 for Evolution # HS123663 **\$44.95**
 (similar to handle on Infinity)

Harder & Steenbeck airbrushes are backed by a 10-year limited warranty and they offer unrivaled customer service if needed.



Iwata Airbrushes

Iwata

Iwata airbrushes have set the standard for precision and reliability. We stock five different Iwata models. We would also be pleased to provide a quote on any Iwata brush not listed here. Every Iwata airbrush we stock (except the SAR) has a dual-purpose, cutaway and pre-set handle for easy clean-up and precise paint flow control. They all use teflon needle packing, permitting use of automotive and other solvent-based paints if desired. Those with gravity-feed colour cups ensure easy cleanup and superb paint flow. They also incorporate a single-piece auxiliary lever/needle-chucking guide for easy assembly.



SAR
\$154.00

Revolution Series

SAR Airbrush. A single-action siphon-feed brush that's ideal for basecoating and painting larger surfaces. Single-action brushes are easier to use than dual-action brushes, making them a great choice for a first airbrush. Comes with one jar and a wrench. Extra jars and caps are available (see next page).
IW-R1000 **\$154.00**



HP-BH
\$374.00

Hi-Line Series

HP-BH. Essentially the same as the HP-B Plus, with the addition of Iwata's exclusive Micro Air Control (MAC) Valve. The MAC enables infinite control of airflow at the head of the airbrush. With one quick turn you can spray anything between a coarse stippling effect to a fine spray pattern.
IW-H2100 **\$374.00**



HP-B Plus
\$303.50

Hi-Performance (HP) Series

HP-B Plus. Our top Iwata pick for carvers. 1/16 oz. colour cup gives great versatility from very fine work to blocking in small areas. 0.2mm precision nozzle and needle for high-precision detail spraying.
IW-H2001 **\$303.50**



CM-C Plus
\$702.00

Custom Micron Plus Series

CM-C Plus. For the elite professional who demands precise and accurate control of very detailed spraying. The CM-C Plus is built to be the best of the best. Specially machined and hand-fitted, and using Iwata's exclusive matched-head assembly for the ultimate in atomization and control. It uses a high precision 0.23mm nozzle and has a 1/3 oz. colour cup.
IW-ICM4500 **\$702.00**

Iwata products are covered by their Premier Service Plan - offering a 5 year warranty as well as superb customer service.

Air Brush Compressors and Accessories



Iwata Neo Air Compressor

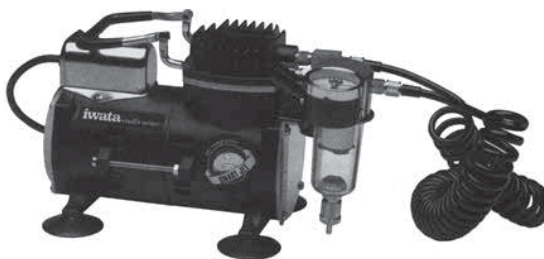
A truly portable compressor that can be used almost anywhere. Very quiet, small and light. Works on 120-240V. Output .37CFM @ 15PSI (max). Airbrush holder and hose included.

5.1"x3.9"x2.5", .95lbs (.43kg).
IW-IS30 **\$223.00**

Iwata Smart Jet compressor

What a super little compressor! Quiet and very small; very low vibration, auto-shut-off. Includes built-in airbrush holder, pressure gauge, moisture trap and hose for Iwata airbrushes.

10"x7"x6", 8lbs (3.6kg).
IW-IS850 **\$375.50**



Sparmax Compressor

Oil-less piston air compressor, powerful 1/8 hp motor, extra hose for enhanced moisture separation, no pulsation; moisture-filter also prevents pulsation, bleed valve air regulator to adjust air pressure, on/off switch, working pressure from 0 psi to 36 psi, high strength polyurethane air hose fits airbrush. Supplied with 10' braided hose. A beautiful, quiet compressor.

TC-501N **\$309.95**



Air Brush Accessories and Replacement Parts

Need a replacement part for your airbrush? We stock a full range of needles, nozzles and other parts that may need replacing from time to time. If you need something not listed here please let us know - or check our website - if we don't stock it we can get it for you.

Iwata Replacement Parts

10' Braided hose	# IW-BT010	\$37.55	Needle for SAR Airbrush	# IW-I717-1	\$13.50
10' Straight black hose	# IW-DTI-10	\$22.70	Nozzle for all HP-A, B and Plus	# IW-I080-7	\$56.40
10' Coiled cobra hose.....	# IW-CTI-10	\$39.65	Nozzle for CM-C, CM-C Plus	# IW-I535-2B	\$85.05
Quick-connect coupler.....	# IW-I160-3	\$23.40	Adapter - Iwata brush on Badger hose ...	# IW-J002	\$12.35
Extra male end for quick coupler above.....	# IW-I160-4	\$11.35	Airbrush cleaner 8 oz. bottle.....	# IW-6500-8	\$7.45
Needle 0.2mm, HP-A, HP-A+	# IW-I075-1	\$19.55	Super-lube 1/2 oz. tube	# IW-01500	\$13.45
Needle 0.2mm, HP-B, HP-B+.....	# IW-I075-2	\$19.55	No-rust cap for 1 oz. jars on SAR airbrush ..	# IW-I49020	\$8.55
Needle 0.23mm, CM-C, CM-C+	# IW-I540-2	\$37.55	Clear 1 oz. jar fits above lid (for use on SAR)..	# IW-I450-1	\$6.30

Airbrush Accessories & Replacement Parts (cont.)

Harder & Steenbeck Replacement Parts

(will fit either Infinity or Evolution):

Needles: 0.15mm	# HS127920	\$21.95
0.2mm	# HS123730	\$19.95
0.4mm	# HS123740	\$19.95

Nozzles: 0.15mm	# HS127912	\$31.95
0.2mm	# HS123822	\$29.95
0.4mm	# HS123832	\$29.95

Nozzle/Needle Sets (with standard air cap):

0.15mm	# HS127903	\$76.55
0.2mm	# HS123703	\$74.95
0.4mm	# HS123713	\$74.95

Nozzle/Needle Sets (for Infinty Finesline with crown air cap; can also be used with Infinty/Evolution):

0.15mm	# HS126823	\$89.95
0.4mm	# HS126843	\$87.50

Needle Cap

Seal Kit set of seal washers for Infinity, Evolution, Focus and Grafo airbrushes

Front Air Cap Seal

Teflon Needle Sea

Front Nozzle Teflon Seal

Screwdriver for Needle Seal

Seal Removal Tool

Harder & Steenbeck Parts and Accessories

(will fit any Harder & Steenbeck Airbrush):

QC Braided Hose 3M

QC Braided Hose Adjustable 3M

Modular Airbrush Holder w/air manifold

Extension for HS110193

1-Meter Air Hose for modular holder ...

Airbrush Holder (tabletop)

Airbrush Holder "Duo"

Nozzle cleaning set

Nozzle cleaning needle (included in set) ...

Micro Cup

2ml Metal Cup

5ml Metal Cup

50ml Plastic Cup

Lid for 2ml Metal Cup

Lid for 5ml Metal Cup

Fine-pressure control air valve

Standard air valve

Iwata Pistol Grip Filter

Attaches directly to the airbrush. 5 micron filter element assures clean, dry air to your airbrush. Easy to check and clean without removing unit from the brush. Also acts as a comfortable handle to reduce muscle tension and improve control.

IW-FA450 **\$42.55**



8 oz. Iwata Airbrush Cleaner

Fast-acting, odourless, environmentally safe. Use with all airbrushes. # IW-6500-8 **\$7.45**



Sparmax Airbrush Cleaning Pot

Clean your airbrush with no overspray. Features an easy-clean container and an easy-change filter. Several extra filters are included. Filters can be rinsed and re-used. Very convenient and portable.

AR-SCP700 **\$38.50**



Quick couplers fit between airbrush and hose for quick airbrush changes.

To fit Iwata or Harder & Steenbeck:

Quick-connect set

Extra male end only (fits on airbrush):

For Iwata brushes

For H&S brushes

For Badger brushes

For Paasche brushes

Female Q-C fitting only fits on hose:

For Iwata hoses

For Badger hoses



Brushes

All Brushes Shown Actual Size

We carry a great selection of brushes ranging from synthetic to the finest quality sable. Every one of our brushes comes with our money-back guaranty (as does everything in this catalogue). The brushes we carry have all been selected because of their suitability for wildlife painting, especially on wood. They represent good value and will have a long useful life if cared for properly. Please be sure to contact us if you have questions about which brush would best suit your needs.

Ultra Mini™ By Silver Brush. Golden Taklon hair and Comfort Grip™ handles give superb control with most paints. Excellent for miniature carvings and for ultra-fine detail on any surface. One of our most popular series of brushes.

All brushes are shown actual size. Overall length approx. 6". **\$8.75 each**



#2400S12/0 (Round)



#2400S20/0 (Round)



#2403S10/0 (Filbert)



#2407S20/0 (Script Liner)



#2422S20/0 (Monogram Liner)

King Art creates brushes using the finest synthetic fibers that are remarkably durable, easy to care for and versatile. They work equally well with watercolor, acrylic, and oil paint. Each brush is expertly crafted to give the characteristics of natural hair, including exceptional paint-holding capacity. Great for sharp, fine detail at a reasonable price. These are the brushes we use in our classroom.



Jo Sonja Brush Soap

If you're not using brush soap to clean your brushes you're wasting a lot of money on brushes. Brush soap is the best investment you can make. A few dollars spent on a bottle of brush soap will save you hundreds in brushes. Your brushes will last much, much longer and will perform better if they are cleaned properly. This is an excellent soap - you need only a drop or two to thoroughly clean your brushes from either water or oil-based paints. 'Nuf said.

Brushes

All Brushes Shown Actual Size

Ruby Satin™ By Silver Brush. Revolutionary synthetic with the look and feel of interlocked bristle - even more durable than natural hair! Springier, livelier bristle than other brushes. These brushes excel at detail and control on rougher surfaces (like wood), with acrylic or oil paints. They hold paint well, and release it well, too. Highly recommended.

Round (Series 2500) For general detail.



#2500S2/0 Size 2/0 Round **\$8.00**



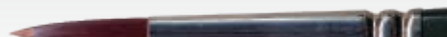
#2500S1 Size 1 Round **\$8.45**



#2500S2 Size 2 Round **\$8.00**



#2500S4 Size 4 Round **\$9.95**



#2500S6 Size 6 Round **\$12.05**

Bright (Series 2502) For basecoating and general painting (washes or drybrushing).



#2502S2 Size 2 Bright **\$9.15**



#2502S4 Size 4 Bright **\$10.00**



#2502S6 Size 6 Bright **\$11.45**



#2502S8 Size 8 Bright **\$12.45**



#2502S10 Size 10 Bright **\$14.05**

Monogram Liner (Series 2522) Holds paint well and takes a nice point. A real pleasure to use!



#2522S0 Size 0 Monogram **\$8.10**



#2522S1 Size 1 Monogram **\$8.40**



#2522S2 Size 2 Monogram **\$8.55**



#2522S4 Size 4 Monogram **\$9.00**

Filbert (Series 2503) For basecoating and general painting (washes or drybrushing).



#2503S1 Size 1 Filbert **\$9.15**



#2503S2 Size 2 Filbert **\$9.45**



#2503S4 Size 4 Filbert **\$10.50**



#2503S6 Size 6 Filbert **\$11.75**



#2503S8 Size 8 Filbert **\$13.05**

Filbert Comb (Series 2528) "Comb" bristles give a loose, streaked effect. Very effective and efficient. Great for breast and under-belly feathers, particularly on smooth birds.



#2528S1/8 1/8" Filbert Comb **\$12.15**



#2528S1/4 1/4" Filbert Comb **\$13.68**



#2528S3/8 3/8" Filbert Comb **\$16.11**



#2528S1/2 1/2" Filbert Comb **\$18.54**

Brush Care

For longest brush life and good performance it's essential to clean your brushes properly. Any good brush soap (like the Jo Sonja soap on page 67) will do the trick if used properly. It will work on both oil and water-based paints. Some people think that acrylic paints, because they are water-based, need only be cleaned with water. In fact, acrylic paints are the most difficult paints to clean properly from brushes because they begin drying in the bristles. Once they start to set up they are no longer water-soluble and will ruin a brush after only a few uses.

Brushes

All Brushes Shown Actual Size

Renaissance Fine Red Sable By Silver Brush. Finest pure red sable from selected marten tails create a range of superb sable brushes with a natural spring and generous paint holding capacity. Renaissance brushes come to a fine point or sharp chisel edge that resists splitting. The professionals' choice in a wide variety of sizes and shapes for oils, acrylics or watercolours.

Round (Series 7100) Good for general detail work. Provides excellent control for vermiculation or other fine detail.



#7100S3/0 Size 3/0 Round **\$8.10**



#7100S2 Size 2 Round **\$10.80**



#7100S4 Size 4 Round **\$16.90**



#7100S6 Size 6 Round **\$22.90**

Basecoating & Sealing Brushes

Silver White™ white Taklon synthetic brushes are still some of the best brushes for basecoating and sealing bird carvings.



#1502S8 Size 8 Bright **\$7.18**



#1502S10 Size 10 Bright **\$8.65**



#1503S8 Size 8 Filbert **\$8.00**

Filbert or Cats Tongue (Series 7110) The best brushes made for "Featherstrokes" or "Flicking" techniques, where complete curved feather shapes can be painted quickly and efficiently. The larger sizes (#8 and up) are best suited for this technique. Can also be used for basecoating and general painting (washes or drybrushing).



#7110S4 Size 4 Filbert **\$13.50**



#7110S6 Size 6 Filbert **\$18.30**



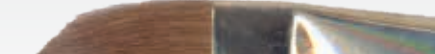
#7110S8 Size 8 Filbert **\$26.35**



#7110S10 Size 10 Filbert **\$29.95**



#7110L18 Size 18 Filbert **\$66.15**



#7110L20 Size 20 Filbert **\$78.00**

Sealer

PYRO STUDIO™ Sealer



PYRO STUDIO™ sealer is a purer reformulation of the now discontinued KT Super Sealer. It can be used in all the same ways as KT was. It is clearer and more stable with no solids to settle out. This alcohol-based sealer and finish doesn't give off the strong fumes associated with many other sealers. Several coats will provide a good seal to your wood without filling in fine detail. Bonds to almost any surface (including pewter bird feet) and can be painted over directly with acrylic or oil-based paints. Dries to touch in less than 15 minutes. Great for sealing carvings prior to painting or for finishing natural-finished pieces. More coats will increase the gloss of the finished product. Can be smoothed between coats with an abrasive pad or steel wool. Available in clear only.

4 oz. bottle #RZ-PSWS4C **\$9.95**

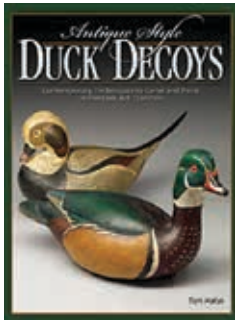
16 oz. bottle #RZ-PSWS16C **\$29.95**

TIP

Set aside one brush just for sealing. Pour some sealer into a small container.

Dip the brush in and go about spreading sealer over your carving. Work down the runs with your brush, then let the carving dry (it doesn't take long). Repeat for any subsequent coats. To clean your brush, simply wipe it dry on a piece of paper towel, then set it aside. Next time you go to use it, just dip it into your sealer and it will be all ready to use! Should you need to clean PYRO STUDIO™ Sealer from a brush or anything else you can use alcohol as a solvent.

Books - Bird Carving



Antique Style Duck Decoys

by Tom Matus

A complete guide to history-rich decoys. Lots of how-to info and a photo gallery; for carvers or collectors. 138 pgs. SC 8.5x11"

\$23.95

#BK2984



Carving Award-Winning Songbirds

by L. Corbett

Carving, sculpting and painting techniques. A superb book; very highly recommended.

248 pgs.

SC 8.5x11"

\$35.95

#BK1821



Half-Size Osprey

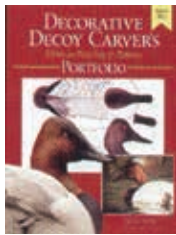
by Al Jordan

From Wildfowl Carving's Workbench Projects series. Includes all steps to complete this magnificent bird of prey.

80 pgs. Coil-bound. 8.5x11"

\$29.95

#WB15



Decorative Decoy Carver's Portfolio Vol. 2 - Diving Ducks

by Bruce Burke

The ultimate reference for 12 species of diving ducks, both hen and drake. 160 pgs.

HC 8.5x11"

\$41.95

#BK2356



The Golden Eagle

by Floyd Scholz

Look over Floyd's shoulder as he works through this most ambitious carving of a life-size Golden Eagle in flight. Floyd shares his thoughts, sketches and how-to information.

96 pgs. HC 11x8.5"

\$41.95

#BK02324



Birds of Prey

by Floyd Scholz

17 species of hawks, falcons, eagles & osprey. Includes a section on carving and painting a Kestrel. 500 photos, 35 drawings. 318 pgs.

HC 9x12"

\$71.95

#BK02421



Owls

by Floyd Scholz

16 owls: Horned, Snowy, Screech, Long-Eared, Barn, Elf, Spotted, Gray, Burrowing, Pygmy, Saw-whet, Boreal, Barred, Flamulated, Hawk-owl, & Short-eared. 512 pgs.

HC 9x12"

\$96.00

#BK10211



Illustrated Owl: Screech and Snowy

by Denny Rogers

Ultimate reference for both owls. 150 drawings and paint charts included.

248 pgs.

SC 8.5x11"

\$35.95

#BK2852



Illustrated Owl: Barn, Barred and Great Horned

by Denny Rogers

Ultimate reference for 3 owls. 200 drawings and paint charts included.

248 pgs.

SC 8.5x11"

\$35.95

#BK3133



Illustrated Birds of Prey

by Denny Rogers

Red-tailed Hawk, Kestrel and Peregrine Falcon are covered in over 200 pages of superb illustrations. Includes painting reference. 238 pgs.

SC 8.5x11"

\$41.95

#BK3102



Carving and Painting a Black-Capped Chickadee

with Ernie Muehlmann

Carve a chickadee and a branch from one piece of wood. Full instructions from start to finish. 92 pgs.

SC 7x9"

\$23.95

#BK24239

Books - Bird Carving (Cont.)



Songbird Carving Vol. 1

by Rosalyn Daisey

Rosalyn Daisey's books are among the best bird carving books available. Vol. 1 covers Titmouse, Goldfinch, Wren and Cat-bird. 256 pgs. HC 8.5x11"

\$54.00

#BK057A



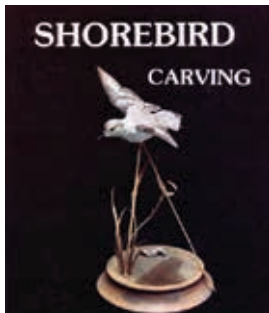
Songbird Carving Vol. 2

by Rosalyn Daisey

More great instruction from Rosalyn Daisey. Vol. 2 covers Cardinal, Sparrow, Robin and Blue Jay. 272 pgs.

HC 8.5x11" **\$54.00**

#BK1198



Shorebird Carving

by Rosalyn Daisey

Another superb book by Rosalyn Daisey. Covers Semi-palmated Plover, Sanderling (flying), Greater Yellowlegs and Dunlin. 256 pgs.

HC 8.5x11"

\$59.95

#BK2194



Upland Gamebird Carving

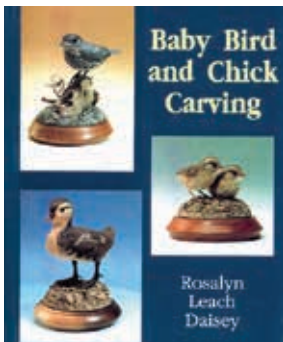
by Rosalyn Daisey

The best book available on game bird carving. Covers Doves (flying and perched) as well as Woodcock and Bob-white quail. 240 pgs.

HC 8.5x11"

\$65.95

#BK3492



Baby Bird and Chick Carving

by Rosalyn Daisey

Carve a life-like baby Chickadee, Bluebird, Quail, Killdeer or Wood Duck duckling. 208 pgs.

HC 8.5x11"

\$59.95

#BK5908



Wings on the Water

by S. Maslowski

The Great Gallery of Ducks, Geese and Loons. Over 24 species of waterfowl shown in breathtaking photographs. Perfect for carving reference or bird enthusiasts.

HC 240 pgs.

\$47.95

#BK845



Peregrine Falcon

by Floyd Scholz

Start-to-finish for carving, painting and assembling this amazing, dynamic and complex sculpture of a Peregrine attacking a Green-winged Teal. An amazing book! 160 pgs

HC 8.5x11"

\$35.95

#BK14068

Books - Patterns

Carving Patterns & Photos by Cam Merkle. Cam's first two books covering a wide variety of waterfowl, shorebirds and songbirds. Each species covered includes one or more detailed patterns, high-quality reference photos that you'll find invaluable when carving and painting, species-specific carving tips to help you avoid common mistakes, as well as a bit of interesting trivia for each species.



Volume 1 - Waterfowl & Shorebirds

19 different patterns for 16 species of waterfowl and shorebirds including Avocet, Blue-winged and Green-winged Teal, Bufflehead, Canada Goose, Common Loon, Canvasback, Great-blue Heron, Labrador Duck, Least Sandpiper, Mallard, Pintail, Redhead, Ruddy Duck, Willet, Wood Duck. 36 pages, 54 colour photos. 11x17" Coil-bound. **\$24.95**

#BK08CM



Volume 2 - Songbirds

24 different patterns for 20 songbirds including Red-winged and Yellow-headed Blackbirds, Mountain Bluebird, Gray Catbird, Black-capped and Chestnut-backed Chickadees, Brown-headed Cowbird, Northern Flicker (red and yellow-shafted), Rose-breasted and Blue Grosbeaks, Gray & Steller's Jays, Costa's & Ruby-throated Hummingbirds, Junco, Robin, Bohemian & Cedar Waxwings, Clay-coloured Sparrow, Yellow-bellied Sapsucker.

44 pages, 163 colour photos. 11x17" Coil-bound. **\$24.95**

#BK15CM

Cam Merkle Studynotes

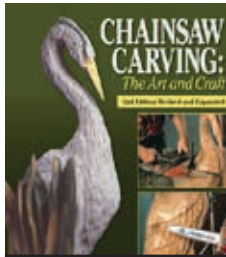
As a result of many requests, I have made available illustrated notes from most of my carving classes. Many people have found these notes useful for reminding them of steps used in previous carvings, and others have used them to tackle a carving they might not have otherwise done. As with the patterns and blanks, new species are added from time to time, so be sure to ask about anything not listed here. Notes include information on reference line layout, blocking out the cuts, rounding, texturing and painting, as well as a pattern. Over the years my studynotes have become more and more sophisticated. The Great Horned Owl and the Costa's Hummingbird are printed in full colour 8½ x 11" books. They contain many photos to guide you through every step of the project. All studynotes also include a pattern. See [pages 48 & 50](#) for a listing of available blanks.

Standard Studynotes (no colour)		
Chickadee, Black-capped	NOTECHICK	\$5.00
Heron, Great Blue	NOTEGBH	\$5.00
Hummingbird, Ruby-throat (male) with Columbine Flower	NOTEHUMCL	\$5.00
Hummingbird, Ruby-throat (male) perched	NOTEHUM	\$5.00
Loon, Common	NOTELN	\$5.00
Magpie, Black-billed	NOTEMAG	\$5.00
Mallard (drake)	NOTEMAL	\$5.00
Wood Duck (drake)	NOTEWD	\$5.00

Studynotes with full-colour painting notes		
Blackbird, Red-winged (male)	NOTERWB	\$7.00
Bluebird, Mountain (male)	NOTEEMB	\$7.00
Bluejay	NOTEBJ	\$7.00
Eagle, Bald (on rock)	NOTEBE	\$7.00
Jay, Steller's	NOTESJ	\$7.00
Kingfisher, Belted	NOTEKFISH	\$7.00
Owl, Saw-whet	NOTESAW	\$7.00
Sandpiper, Least	NOTEALST	\$7.00

Full-colour Studynote Books		
Hummingbird, Costa's (male)	NOTECOSTAS	\$10.00
Owl, Great Horned	NOTEHOWL	\$10.00

Books - Birds/Animals/Chainsaw



2nd Edition
Revised & expanded!

Chainsaw Carving
by Hal MacIntosh

Covers selection and use of chainsaws for carving. Includes carving to finishing steps as well as tool selection and care. A very thorough volume, well illustrated. 168 pgs. SC 8.5x11"
\$33.60

#BK7704



Carving Wooden Critters

by Diane Harto-Ernst
Beginners will love these easy and adorable patterns with clear photographs showing each step in the carving process. 48 pgs. SC 8.5x11"
\$9.60

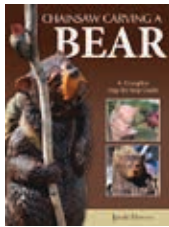
#BK7711



**Carving Animals:
Bunnies and Chipmunks**

by Rosalyn Daisey
2 Rabbit & 2 Chipmunk projects. 739 colour photos for superb instruction for carvers of any level. 256 pgs. HC 8.5x11"
\$54.00

#BK38854



Chainsaw Carving a Bear
by Jamie Doeren

Step-by-step instruction for 3 projects: Bear Cub in a Stump, Caricature Bear with Welcome Sign and Growling Grizzly. 72 pgs. SC 8.5x11"
\$24.00

#BK7681



Carving the Elk
by Dale Power

Step-by-step instruction with over 250 colour photos, 3 patterns and information on various positions. Also burning the hair and mounting on a base. 64 pgs. SC 8.5x11"
\$17.95

#BK5665



**Chainsaw Carving
an Eagle**

by J. Doeren & D. Roghair
Complete step-by-step guide to 4 different projects: Eagle head, soaring Eagle, Eagle with fish, and an Eagle bench. 80 pgs. SC 8.5x11"
\$20.35

#BK2534



Drawing Mammals
by Doug Lindstrand

Stunning colour photos for 20 favorite mammals and techniques on drawing them. Superb reference for carvers and painters. 208 pgs. SC 9x12"
\$35.95

#BK1414



Looking for a book not listed here?

There are several reasons why a book you're looking for may not be included in our catalogue: a) it may be new enough that it could not be included in this catalogue (check our website); b) it may be out of print and no longer available; c) it may not be of sufficient quality or value for us to include it in our catalogue and we may not be aware of it.

We do our best to make sure the latest and best carving and carving-related books are included in our catalogue and on our online store. Each title is checked for quality and value before we'll include it - unfortunately there are some poor-quality books out there and we don't feel comfortable selling any of them. Books do go out of print fairly regularly. When really good titles are scheduled to go out of print we'll do our best to stock up on them so that we have stock available as long as possible (and never at inflated prices). If you're looking for a book that you don't see listed here or on our website, don't hesitate to contact us. If we're familiar with it, we'll be happy to advise you of the book's print status and quality. If it's a title we're not aware of, we'll check it out and may be able to bring it in for you.

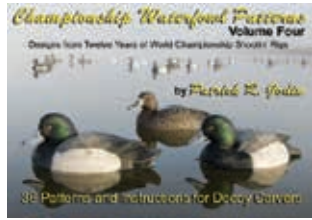
Books - Pattern



Carving Pattern Book
by
Prairie
Canada
Carvers

The Prairie Canada Carving club from Winnipeg has been actively promoting carving for over 25 years. In celebration of the 25th anniversary of their show they have published this pattern book with over 30 original patterns by award-winning carvers. The patterns cover a wide range of subjects from birds and animals to chip carving, relief carving and intarsia. There's also lots of "how-to" information and tips - even plans for a nifty center-line marking tool. This is a one-of-a-kind book that's sure to have something for everyone.
54 pgs. Coil-bound 17x11" **\$25.00**

#BKPCC1



Championship Waterfowl Patterns Vol. 4
by Pat Godin

36 high-quality pattern designs from Pat's 12 years of entries in World Shootin' Rig competition. Includes instructional material for this style of decoy. Covers hens and drakes of Pintail, Mallard, Black Duck, American and Eurasian Wigeon, Canvasback, Common & Barrow's Goldeneye, Long-tailed Duck, Greater Bluebill, White-winged Scoter and Red-breasted Merganser. 50 pgs. SC 20x14" **\$58.80**

#BKGOD4



Shorebirds - Beautiful Beachcombers
by A. Morris

Beautiful photographs of most of our shorebirds. Descriptions of breeding, non-breeding and juvenile plumages included.
160 pgs. SC 6x9"
\$23.95

#BK26193



Carving the Screech Owl
by Jeffrey A. Moore

Starting with a rough blank you'll learn texturing, painting and making habitat and feet. Includes pattern and reference photos. 96 pgs.
SC 8.5x11"
\$26.95

#BK43605



**Volume 1 -
Waterfowl &
Shorebirds**

#BK08CM



Volume 2 - Songbirds

#BK15CM

For more information see pages 72



Bear - The Artist's Ultimate Reference
by Doug Lindstrand

Photographs, field illustrations and natural history notes covering all species of bear.
114 pgs.
SC 8.5x11"
\$23.95

#BK2143

Reference Material - Photo Booklets

We are very proud to offer you reference photo booklets: by photographer/carver by Cam Merkle (CM). Each booklet contains excellent quality photos taken from various angles, with the carver and artist in mind. Most are 8.5"x5.5" booklets (8.5"x11" booklets are indicated) containing great reference photos that you will find most useful for your carving and painting projects. More species are being added - check our website for updates.

5.5"x8.5" Booklets **\$9.95 ea.**

8.5"x11" Booklets **\$14.95 ea.**



Avocet, American
36 Photos CM

PBAA01



Bittern, American
66 Photos CM
8.5"x11" Booklet
\$14.95

PBAB01



Bluebird, Mountain
39 Photos CM

PBMB01



Brant, Pacific
52 Photos CM
11"x8.5" Booklet
\$14.95

PBPB01



Chickadee, Black-capped
(open-wing & advanced
poses) 34 Photos CM

PBCH02



Goldfinch, American
(Female)
36 Photos CM

PBGF02



Goldfinch, American
(Male)
36 Photos CM

PBGF01



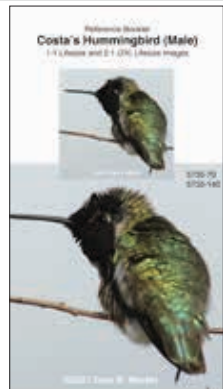
Grebe, Eared
(some with baby)
36 Photos CM

PBEG01



Hawk, Swainson's
36 Photos CM

PBSH01



Hummingbird, Costa's M
24 Photos CM

PBCT01



Jay, Steller's
38 Photos CM

PBSJ01



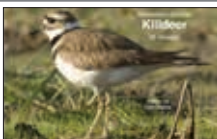
Junco, Dark-eyed
38 Photos CM

PBDEJ01



Parakeet, Carolina
48 Photos CM
8.5"x11" Booklet
\$14.95

PBCT01



Killdeer
36 Photos CM

PBKD01



Loon, Common
36 Photos CM

PBLO01



Pelican, White
83 Photos CM
11"x8.5" Booklet
\$14.95

PBPAW01

Reference Material - Photo Booklets



Plover,
Semipalmated
38 Photos CM

PBSP01



Raven, Common
36 Photos CM

PBRV01



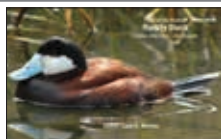
Redpoll, Common
36 Photos CM

PBCR01



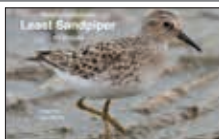
Robin, American
41 Photos CM

PBROB01



Ruddy Duck (M&F)
(swimming, standing)
24 Photos CM

PBRDU01



Sandpiper, Least
40 Photos CM

PBLSP01



Sandpiper, Solitary
36 Photos CM

PBSSP01



Sandpiper, Upland
24 Photos CM

PBUS01



Sheep, Bighorn
(both sexes)
24 Photos CM

PBBH01



Siskin, Pine
37 Photos CM

PBPS01



Sparrow, Chipping
46 Photos CM

PBCHS01



Sparrow, Clay-colored
41 Photos CM

PBCCS01



Tern, Black
40 Photos CM

PBBT01



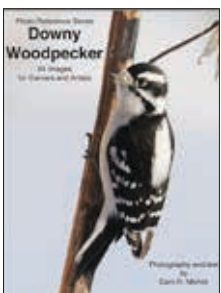
Towhee, Spotted
38 Photos CM

PBST01



Turnstone, Ruddy
57 Photos CM
11"x8.5" Booklet
\$14.95

PBRTO1



Woodpecker, Downy
44 Photos CM
8.5"x11" Booklet
\$14.95

PBDW01



Waxwing, Bohemian
24 Photos CM

PBBW01



Waxwing, Cedar
40 Photos CM

PBCW01



Whimbrel
36 Photos CM
11"x8.5" Booklet
\$14.95

PBWH01



Wren, House
48 Photos CM

PBHW01



Willet
38 Photos CM

PBWL01

Books - Fantasy/Flowers/Whittling



Great Book of Dragon Patterns
- 3rd Edition
by Lora S. Irish
More than 100 dragon patterns (31 new ones) for carvers and artists. An interesting section on history and anatomy. Enlightening for those of us who have never seen a real dragon. 182 pgs.
SC 8.5x11"
\$23.95

#BK2313



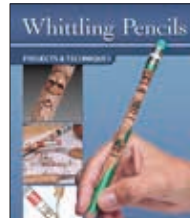
Whittling the Old Sea Captain
Revised Edition
by Mike Shipley
More than 100 step-by-step photos guide you in carving, painting and staining the salty Old Sea Captain and his crew. 40 pgs.
SC 8.5x11"
\$15.60

#BK8152



Carving Fantasy & Legend Figures in Wood (Revised)
by Shawn Cipa
Expert guidance for carving and painting great creatures of legend, including wizards, dragons, faeries, mermaids and more. 120 pgs.
SC 8.5x11"
\$24.00

#BK8077



Whittling Pencils
by Randy True
Make ordinary pencils come to life with Santa pencils, Wood Spirits, Leprechauns and even Uncle Sam. Includes dozens of step-by-step illustrations and patterns. 32 pgs.
Booklet 8.5x11"
\$15.60

#BK7513



Whittling Little Folk
by Harley Refsal
With just one carving knife and two simple patterns, you can carve a whole community of characters. Each pattern has 4 perspectives for a complete 360-degree view of the characters. 128 pgs.
SC
\$20.35

#BK5182



Whittling Vol. 2
by WCI
30 fun and fast pocket knife projects cover the full whittling spectrum. Projects for beginners to experienced carvers.
Magazine 112 pgs.
\$12.00

#BKSPWH2



Old Time Whittling
by Keith Randich
An introductory text by Keith Randich. Learn the basics while creating ten projects with concise instructions. 32 pgs.
Booklet 8.5x11"
\$12.00

#BK7742



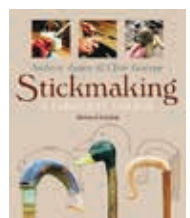
Carving Realistic Flowers in Wood
New revised
by Wanda Marsh
Rose, Hibiscus, and Morning Glory carved and painted step-by-step. 64 pgs.
SC 8.5x11"
\$18.00

#BK8183



Whittling Country Folk (Revised)
by Mike Shipley
More than 100 step-by-step colour photographs guide you through whittling, painting, and staining. 88 pgs.
SC 8.5x11"
\$17.95

#BK8398



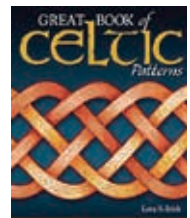
Stickmaking A Complete Course
A. Jones & C. George
This ultimate, comprehensive guide explains how to make a wide range of traditional walking sticks, market sticks and crooks. 176 pgs.
SC 8.5x11"
\$27.55

#BK3683



Make Your Own Walking Sticks
by Charles R. Self
Features step-by-step projects for a variety of sticks, staffs and canes. 15 fun projects and patterns for crafting canes. 152 pgs.
SC 8.5x11"
\$23.95

#BK3201



Great Book of Celtic Patterns
by Lora S. Irish
Over 200 original patterns with instruction for Celtic knot, textures, twists and braids. Great for carving or pyrography patterns. 200 pgs. SC 8.5x11"
\$23.95

#BK3140

Books - General Carving & Sharpening



Carving Found Wood

by Vic Hood and Jack A. Williams

Shows techniques used by acclaimed carvers as well as a gallery. Includes step-by-step bark carving of a human face. 96 pgs.

SC 8.5x11" **\$23.95**

#BK1597



Carving The Native American

by John Burke

Takes you step-by-step to create an expressive Native American bust, from a clay model to staining and finishing. For carvers of any experience level. 104 pgs.

SC 8.5x11" **\$24.00**

#BK7872



Complete Guide to Band Saws

by Mark Duginske

Essential guide to everything needed to know in order to purchase, setup, use and maintain a band saw.

200 pgs. SC 8.5x11" **\$23.95**

#BK8411



Carving Faces Workbook

by Harold Enlow

Learn to carve faces with life and expression with the legendary Harold Enlow. Learn about different types of faces as well as eyes, lips, nose, hair and ears. 144 pgs.

SC 8.5x11" **\$23.95**

#BK5854



Complete Book of Wood Carving

by Everett Ellenwood

Wood and tool selection, classic techniques - even power tools! 224 pgs.

SC 8.5x11" **\$29.95**

#BK2921

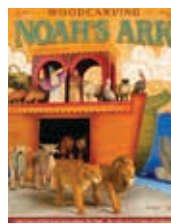


Guide to Sharpening, Tools & Setting Up Shop

The best tips and tricks from the pages of Woodcarving Illustrated, this guidebook provides you with all you need to know to create a safe and organized workshop.

144 pgs. SC 8.5x11" **\$23.95**

#BK4758



Woodcarving Noah's Ark

by Shawn Cipa

Detailed plans and carving and painting instructions for Noah and his wife, the Ark and 14 Pairs of Animals.

160 pgs. SC 8.5x11" **\$27.55**

#BK4772



Woodworker's Guide to Sharpening

by John English

Many different and simple options for sharpening almost any edge tool. 168 pgs.

SC 8.5x11" **\$23.95**

#BK3096



Woodcarving

Techniques & Projects for the First-Time Carver

by Everett Ellenwood

Learn to transfer patterns, use and sharpen tools, work safely, pick the right wood. Easy projects included. 136 pgs.

SC 8.5x11" **\$18.00**

#BK8008



Intarsia:

Woodworking for Beginners

by Kathy Wise

Covers all aspects of intarsia with more than 40 lessons, 20 patterns, reference photos, materials lists and more. Useful for all skill levels. 128 pgs.

SC 8.5x11" **\$23.95**

#BK4420



Sharpening and Knife Making

by Jim Watson

Sharpening techniques for carving tools and knives of various shapes. Includes a section on knife making as well as resurfacing sharpening stones. 330 b/w photos.

176 pgs. SC 6"x9" **\$18.95**

#BK118X

Books - General Carving



Power Carving Manual

by Fox Books

This must-have manual presents 22 all-time favorite step-by-step projects and patterns from Woodcarving Illustrated. 168 pgs .

SC 8.5x11"

\$23.95

#BK9036X



Relief Carving Wood Spirits

(Revised Edition) by Lora S. Irish
Everything from preparing wood to finishing - no technique is left out. Includes tips for realistic & detailed facial features like windswept hair, eyelids, beards and mustaches. 144 pgs. SC 8.5x11"

\$23.95

#BK8022



Power Carving Tools and Techniques

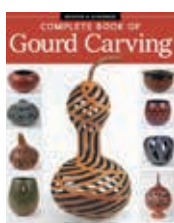
by Woodcarving Illustrated

Contains info on selecting and using carving and burning tools and cutters as well as step-by-step projects. 120 pgs.

SC 8.5x11"

\$11.95

#BK01126



Gourd Carving

by Jim Widdess and Ginger Summit

Revised and Expanded
Featuring the work of dozens of gourd carving artists (even includes photos of a gourd carved by Cam Merkle). 190 pgs. HC 8.5x11"

\$29.95

#BK8251



Carving Tree Bark

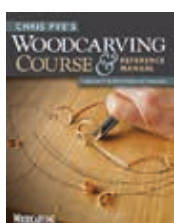
by Rick Jensen & Jack A. Williams

"Releasing whimsical houses and woodspirits from found wood". This book will release your imagination to create unique and fascinating carvings. 76 pgs.

SC 8.5x11"

\$17.95

#BK2186



Woodcarving Course and Reference Manual

by Chris Pye

Very thorough and diverse manual with 4 projects covering moldings, relief, a ball cap and a wren in the round. 160 pgs.

SC 8.5x11"

\$23.95

#BK4567



Relief Carving Workshop

by Lora S. Irish

Everything you need to know for relief carving animals, landscapes, flowers, borders, Celtic knots and more. Includes 10 original new project patterns. 128 pgs.

SC 8.5x11"

\$24.00

#BK7360



Woodcarving Magic

by Bjarne Jespersen

Get ready for some mind-altering woodcarving projects! Learn how to look inside a piece of wood and carve away anything that doesn't match your vision. 128 pgs.

SC 8.5x11"

\$23.95

#BK5236



Handcarved Christmas

Best of WCI

This compilation of favourite Christmas carving projects from Woodcarving Illustrated includes 36 projects ranging from ornaments to decorations and gifts. SC 144 pgs.

\$23.95

#BK6059



Inspirational Relief Carving

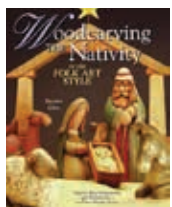
by Bill Judd

Learn to express your faith in wood with over 20 relief carving projects inspired by Scripture. 124 pgs.

SC 8.5x11"

\$23.95

#BK2054



Woodcarving the Nativity

by Shawn Cipa

88 pgs. SC 8.5x11"

\$17.95

#BK202X



Carving Wooden Santas, Elves & Gnomes

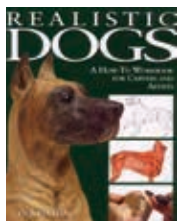
by Ross Oar

Carving Wooden Santas, Elves & Gnomes

\$20.35

#BK3836

Books - Mammals/Fish/Aquatics



Realistic Dogs
by Jack Kochan
For more advanced carvers.
Covers anatomy to texturing
for many diverse species.
68 pgs.
SC 8.5x11"
\$21.55

#BK2194D



Carving Patterns
by Frank C. Russell
Over 80 high-quality patterns
of birds, fish and animals,
taken from Frank's many years
of teaching. 130 pgs.
SC 8.5x11"
\$17.95

#BK2473X



The Carver's Book of Aquatic Animals
by Howard Suzuki
Covers anatomy, patterns,
behaviour and carving techniques
for sharks, turtles, rays, whales,
alligators and manatees. Lots of
colour photos and patterns.
174 pgs. HC 9x12"
\$47.95

#BK734X



Freshwater Fish Carving
by James Filger
A beautifully done book giving
detailed, concise instruction on
carving and painting a Bluegill,
Black Crappie, Rainbow Trout
and Channel Catfish.
224 pgs. HC 8.5x11"
\$42.00

#BK1759



Lurecraft
How to Make Plugs, Spinners,
Spoons and Jigs to Catch More Fish
by Russ Mahoney
Comprehensive book that is a
"must-have" for anyone wanting
to carve their own fishing lures.
304 pgs. SC 8.5x11"
\$24.00

#BK7803



Whale Carving
by Réal Cloutier
All steps necessary to
carve and paint a Sperm
and Fin Whale. 120 colour
photos. Includes patterns for
Humpback, Blue, Right and
Grey Whales. 112 pgs.
SC 11x8.5"
\$20.35

#BK2767A



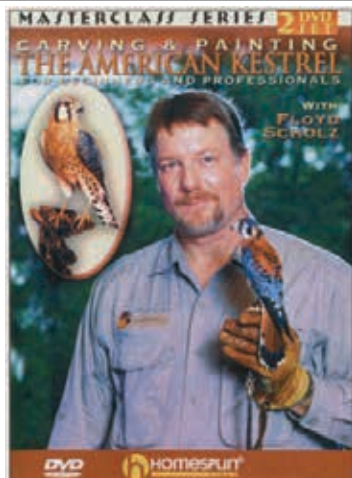
Wildlife Carving in Relief
Revised 2nd Ed.
by Lora Irish
Nearly 50 beautiful patterns
and step-by-step instruction
makes this book very useful to
relief carvers of all skill levels.
178 pgs. SC 8.5x11"
\$29.95

#BK4482



Carving Bears
by Desiree Hajney
Patterns, reference photos and
carving tips for Black, Grizzly
and Polar Bears by one of the
best-known animal carvers in
the world. 48 pgs.
SC 8.5x11"
\$16.99

#BK8510



DVD - Carving



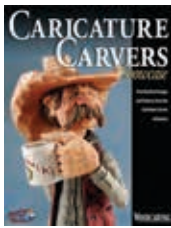
2-DVD Set: American Kestrel
with Floyd Scholz

4-1/2 hours of superb instruction on
carving and painting a male Kestrel and a
driftwood branch.

2 DVD Video discs **\$62.45**

#DV1102

Books - Caricature



Caricature Carvers Showcase
by the Caricature Carvers
of North America
Includes patterns, design,
biographies, carving and painting
techniques from 30 artists.
124 pgs.
SC 8.5x11"
\$23.95

#BK3379



**Caricature Carving
From Head to Toe**
by Dave Stetson

A step-by-step guide to
capturing expression and
humour in wood. Three projects:
Santa, Cowboy and Ball player.
92 pgs.
SC 8.5x11"
\$23.95

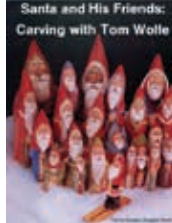
#BK121X



**Whittling the Country Bear
and His Friends**
by Mike Shipley

Whimsical creatures are fun and
easily carved. Includes several
bear poses as well as moose,
rabbit and beaver. 64 pgs.
SC 8.5x11"
\$18.00

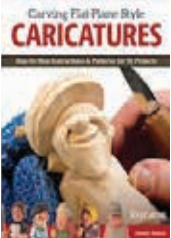
#BK8084



**Carving Santa and His
Friends**

by Tom Wolfe
Dozens of ideas and techniques
for carving Santas of all shapes
and sizes, from simple to not-
so-simple. 64 pages
SC 8.5x11"
\$13.95

#BK2771



**Carving Flat-Plane Style
Caricatures**

by Harket Refsal
Learn how to carve charming
caricatures. Once you try it,
you'll be hooked. 80 pgs.
SC 8.5x11"
\$18.99

#BK8589



Caricature Carving
(Best of Woodcarving
Illustrated)

30 of the best caricature carving
projects from WCI magazine.
Projects and gallery will appeal
to carvers of all skill levels.
144 pgs.
SC 8.5x11"
\$23.95

#BK4741



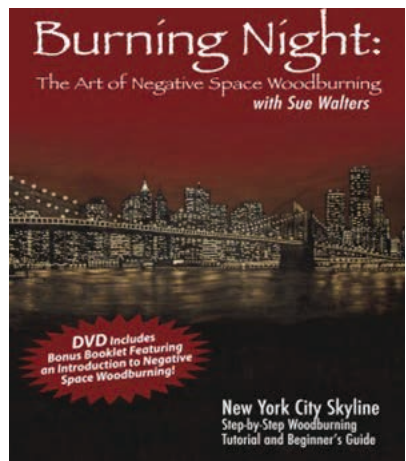
DVD's - Pyrography



2-DVD Set: Pyrography Workshop - Hawk
with Sue Walters

2 DVD set covers everything. Includes 16 page booklet, 2
patterns. Complete a hawk in 10 lessons from
one of the world's best woodburning artists.
\$31.25

#SWDVD01

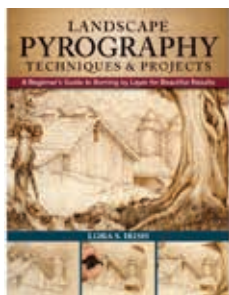


DVD/ Bonus Booklet Set:

Burning Night: The Art of Negative
Space Woodburning with Sue Walters
15 lessons help you create stunning results by engraving
through a burnt surface, opening new possibilities
for pyrography. **\$29.95**

#SWDVD02

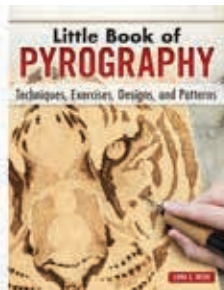
Books - Pyrography



Landscape Pyrography Techniques & Projects
by Lora S. Irish

A beginner's guide to burning by layer for beautiful results. Create realistic landscape pyrography burnings with this comprehensive guide. Discover easy-to-learn methods for working in layers. 208 Pgs.
SC 8.5x11" **\$21.95**

#BK9319



Little Book of Pyrography
by Lora S. Irish

Little Book of Pyrography makes it easy to learn the creative craft of woodburning! All that aspiring beginners need is this book and an inexpensive wood burning tool. Seven skill-building projects. 160 Pgs.
SC 5.5x6.75" **\$14.95**

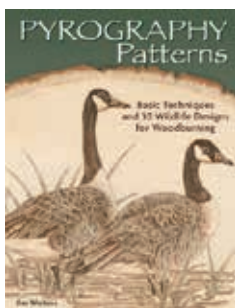
#BK9692



Woodburning Realistic People
by Jo Schwartz

Discover the art of portrait burning, and start creating perfect likenesses of your favorite people in wood.
104 pgs. SC 8.5x11" **\$19.95**

#BK8800



Pyrography Patterns
by Sue Walters

30 designs (line and shaded) for woodburning or drawing can either be used "as-is" or as reference to make your own. Also includes 10 border designs.
80 pgs. SC 8.5x11" **\$20.35**

#BK8190



Great Book of Woodburning
2nd edition by Lora S. Irish

A complete and contemporary update to the best-selling resource for woodburners.
200 pgs.
SC 8.5x11"
\$28.99

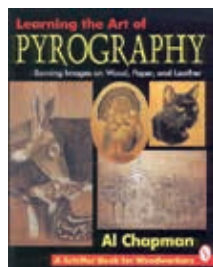
#BK03146



The Art and Craft of Pyrography
by Lora S. Irish

Drawing with Fire on Leather, Gourds, Cloth, Paper and Wood. 35 amazingly detailed new projects to broaden your skills.
144 pgs.
SC 8.5x11"
\$23.95

#BK4789

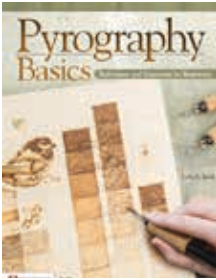


Learning the Art of Pyrography
by Al Chapman

An excellent mix of techniques and projects for wood, leather and paper. Sure to inspire and educate. Highly recommended.
66 pgs. SC 8.5x11"
\$17.95

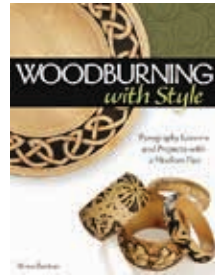
#BK7293

Books - Pyrography (Cont.)



Pyrography Basics
by Lora S. Irish
Techniques and exercises for beginners. A great starter book covers basic tools, materials and techniques with 7 skill-building projects. 32 pgs.
SC 8.5"x11" **\$12.00**

#BK5052



Woodburning with Style
Pyrography Lessons and Projects with a Modern Flair
by Simon Easton
Filled with lessons, projects and ideas using burning to decorate many different objects. Superbly written. 208 pgs.
SC 8.5"x11" **\$29.95**

#BK4437



Learn to Burn
by Simon Easton
A step-by-step guide to getting started in pyrography. Includes fifteen step-by-step projects for making decorative gifts and 50 bonus patterns. 96 pgs.
SC 8.5"x11" **\$20.40**

#BK7285



Pyrography
Volume 3 - 2013
The Art & Craft of Woodburning

3rd Pyrography annual from Fox Books is a wealth of the latest information, techniques and tips from the world's top artists. Magazine 112 pgs.
\$11.95

#BKSIPPY3



Pyrography
Volume 2 - 2012
17 New Projects - Beginner to Advanced
2nd Pyrography annual from Fox Books filled with tips from making your own patterns to adding colour. Includes a buyers guide. Magazine 112 pgs.
\$11.95

#BK1126



Pyrography
Volume 1 - 2011
Learn to Burn
1st Pyrography annual from Fox Books is filled with information, techniques and tips from the world's top artists. Magazine 112 pgs.
\$11.95

#BK01671



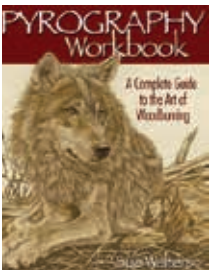
Buy all 3 and save!
Set of 3 Pyrography Annual magazines 2011, 2012 and 2013.
Save \$11.90!
\$23.95

#BKPSET3



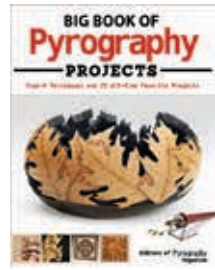
Woodburning Project & Pattern Treasury
by Deborah Pompano
A true treasury of techniques, tools, patterns and inspiration. Great first pyrography book or addition to your resource library. 176 pgs. SC 8.5"x11"
29.95

#BK4826



Pyrography Workbook
by Sue Walters
This has been one of the "hottest" books ever produced on pyrography by an artist who is truly one of the best in the world. 160 pgs.
SC 8.5"x11" **\$23.95**

#BK2585



Big Book of Pyrography Projects
from Woodcarving Illustrated
Expert techniques and 23 all-time favorite projects in multiple materials. Includes tool selection and care and an inspiring gallery. 128 pgs. SC 8.5"x11"
\$23.99

#BK8886

Razaire™ MINI

Smoke
Extractor
Model X60



Keep your pyrography workspace fresh and clear of smoke with the Razaire™ MINI - X60 Smoke Extractor. With multi-stage carbon filtration and a versatile design the Razaire™ MINI works in most settings and with any project. The soft Hood Grip allows the Razaire™ MINI to be used on top of your project to ensure maximum smoke capture and filtration.

RZ-X60
\$89.95



Razaire Mini - X60 Primary Filter Expansion Kit

You can increase the filtering efficiency of the Razaire™ MINI by adding one or more Primary Filter Expansion Kits. Each kit includes an Expansion Frame and a new Primary Filter.

RZ-XF200
\$18.95



Razaire Mini - X60 Pre-Filter

Pre-Filter replacements.

RZ-XF105
\$5.95



Razaire Mini - X60 Primary Filter

The Primary Filter.

RZ-XF102
\$10.95

Razertip® Woodburning Tools

P80

- Fully regulated, power supply.
- 3.5" digital touch-screen interface.
- Tip Temperature Range: 180°F (80°C) to 1400°F (800°C) (approx.) Settings 100-800.
- Built-in memory function, recall the 3 most recently keyed in heat settings
- R-Touch System expansion modules available. (P80x, P88x)
- Handpiece indicator light can help confirm proper pen and cord operation
- Compatible with all existing Razertip pens and accessories.



P80 Base Unit cat# RZ-P80-NA-PS	\$359.95
P80 Base Unit w/ standard pen cat# RZ-P80-NA-(F1L...etc.)	\$391.75
P80 Base Unit w/HD pen cat# RZ-P80-NA-(HD1L...etc.)	\$394.45
P80 Base Unit w/BPH pen cat# RZ-P80-NA-BPH	\$395.20

P80 Expansion Module cat# RZ-P80X **\$259.95**

Add-on module to convert P80 to double or triple burner.

Must be connected to a Base Unit to operate; uses power from P80 or P88 Base Unit.

All P80 and P80x units are supplied with one extra-flex handpiece cord # CORD1P.

Additional P80 handpiece cord cat# RZ-CORD1P **\$20.50**

P88

- Fully regulated, power supply.
- 3.5" digital touch-screen interface.
- Tip Temperature Range: 180°F (80°C) to 1400°F (800°C) (approx.) Settings 100-800.
- R-Touch System expansion modules available (P88x, P80x)
- 8 fully customizable memory channels (name and heat setting)
 - Additional 3 channel quick function
- Handpiece indicator light can help confirm proper pen and cord operation
- Compatible with all existing Razertip pens and accessories.



P88 Base Unit cat# RZ-P88-NA-PS **\$399.95**

P88 Expansion Module cat# RZ-P88X **\$299.95**

Add-on module to convert P88 to double or triple burner.

Must be connected to a Base Unit to operate; uses power from P88 or P80 Base Unit.

All P88 and P88x units are supplied with one extra-flex handpiece cord # CORD1P.

Additional P88 handpiece cord cat# RZ-CORD1P **\$20.50**

**Value-priced starter kits available for carvers,
pyrographers, turners and gourd artists.
See our website**

All machines have Razertip's 3 year unconditional warranty that covers everything.

SL1

- Bright LED Digital display
- Dial heat control with 99 settings
- Tip Temperature Range:
77°F (25°C) to 1650°F (900°C) approx.
- Retains setting when powered off/on
- Exceptional heat recovery
- Handpiece indicator lights can help confirm proper pen & cord operation
- Safety Certified with automatic Shut-off (after 60 minutes)
- Internal thermal overload protection



SL1 cat# RZ-SL1-NA-PS	\$195.00
SL1 w/HD pen cat # RZ-SL1-HD1L (HD1L...etc.)	\$250.75

Caution: Because of the high output of the SL Burners, using Standard Pens at heat settings greater than 60 is not recommended as pen damage may occur. For settings over 60 only use HEAVY DUTY PENS or BPH PENS.

SL3

- Bright LED Digital display
- Dial heat control with 99 settings
- 3 pen jacks (channels) selection – each with unique heat setting adjustment
- Tip Temperature Range:
77°F (25°C) to 1650°F (900°C) approx.
- Retains setting when powered off
- Exceptional heat recovery
- Handpiece indicator lights can help confirm proper pen and cord operation
- Safety Certified with automatic Shut-off (after 60 minutes)
- Internal thermal overload protection



SL3 cat# RZ-SL3-NA-PS	\$240.00
SL3 w/HD pen cat# RZ-SL3-HD1L (HD1L...etc.)	\$295.75

**Value-priced starter kits available for carvers,
pyrographers, turners and gourd artists.
See our website**

All machines have Razertip's 3 year unconditional warranty that covers everything.

SS-D10

- Razertip's legacy workhorse
- Dual handpiece capability
- Tip Temperature Range:
338°F (170°C) to 1373°F (745°C) approx.
- Extra low-end temperature adjustment allows you to turn the heat down further if the "1" setting is still too hot.



- SS-D10 burner w/ 1-std. pen & 1-18 gauge extra-flex cord**
cat# RZ-SS-DF(pen#) Example - w/ F1L pen # RZ-SS-DF(F1L)..... **\$210.80**
- SS-D10 burner w/ 1-heavy-duty pen & 1-16 gauge HD cord**
cat# RZ-SS-DHD(pen#) Example - w/ HD1L pen #RZ-SS-DHD(HD1L)..... **\$216.25**
- SS-D10 Power Supply only (no pen or cord) # RZ-120VSSD10..... \$160.50**

SK

- Razertip's legacy starter
- Tip Temperature Range:
473°F (245°C) to 1400°F (760°C) approx.
- Packed with the same power as the SS-D10
- Single handpiece capacity









- SK burner w/ 1-standard pen & 1-18 ga. extra-flex cord**
cat# RZ-SK(pen#) Example - w/ F1L pen use # RZ-SK(F1L)..... **\$165.75**
- SK burner w/ 1-heavy-duty pen & 1-16 ga. HD cord**
cat# RZ-SK(pen#) Example - w/ HD1L pen, # RZ-SK(HD1L)..... **\$170.75**
- SK Power Supply only (no pen or cord) # RZ-120VSK..... \$119.75**

**Value-priced starter kits available for carvers,
pyrographers, turners and gourd artists.
See our website**

All machines have Razertip's 3 year unconditional warranty that covers everything.

Burner Comparison Chart

Take a look at the comparisons of Razertip's various burners to help you make the decision of which burner is best for you. All burners are proudly made in Canada.

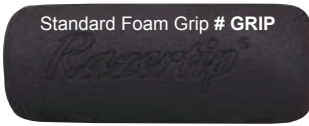
	No. of Connections	Universal Input	Input /Output Power	Temp. Precision	Controls	Tip Temp. range using (Cord)+(Pen)	Dimensions
 <i>SK</i>	1	✗	120VAC 2.2VAC 10.0A max.	Good	Analog/ Dial	245°C-760°C	4" W 5" L 3.5" H
 <i>SS-V10</i>	2	✗	120VAC 2.2VAC 10.0A max.	Good	Analog/ Dial	170°C-745°C	5¾" W 5" L 3.5" H
 <i>SL1</i>	1	✗	120VAC 3.2VAC 14A max	Better	Digital/Dial	24°C-900°C	5.5" W 4.6" L 3¾" H
 <i>SL3</i>	3	✗	120VAC 3.2VAC 14A max	Better	Digital/Dial	24°C-900°C	5" W 5" L 3.5" H
 <i>P80</i>	1 Expandable	✓	Fully regulated 90-240VAC 6VDC 8.0A max. (works worldwide)	Best	Digital/ Touch Screen	80°C-800°C	4¾" W 3.5" L 3.5" H
 <i>P88</i>	1 Expandable	✓	Fully regulated 00-240VAC 6VDC 8.0A max. (works worldwide)	Best	Digital/ Touch Screen	80°C-800°C	4.5" W 4.5" L 3.6" H

NOTE: Heat settings based on standard #1L tip. Actual tip temperature will depend on the tip size (heavier tips run cooler than smaller, lighter tips)

Accessories

Foam GRIPS (all shown actual size)

Standard Foam Grip # GRIP



Replacement foam grip for standard Razertip pens.
RZ-GRIP **\$1.75 ea.**

Grip for HD Pen # GRIPHD



Replacement foam grip for heavy duty Razertip pens.
RZ-GRIPHD **\$1.75 ea.**

Silicone GRIPS (all shown actual size)



Silicone Grips \$4.00 ea.

This replacement silicone grip protects sensitive fingers from heat when burning for an extended period. Fits best on standard pens, will also work with heavy duty pens.

- Ocean #RZ-GRIPSIL-01
- Coral #RZ-GRIPSIL-02
- Grey #RZ-GRIPSIL-03
- Green #RZ-GRIPSIL-04
- Purple #RZ-GRIPSIL-05
- Black #RZ-GRIPSIL-BLK

Razaire's
MINI

**Smoke Extractor
Model X60**



Keep your pyrography workspace fresh and clear of smoke with the Razaire™ MINI - X60 Smoke Extractor. With multi-stage carbon filtration and a versatile design the Razaire™ MINI works in most settings and with any project. The soft Hood Grip allows the Razaire™ MINI to be set on top of your project to ensure maximum smoke capture and filtration.

RZ-X60 **\$89.95**



PYRO STUDIO™

PYRO STUDIO™

Helpful and innovative products that help you to complete those amazing projects.

Burn-through transfer paper

Draw or trace directly on the transfer paper, or use in you laser or inkjet printer. Attach to your project surface and begin burning - right through the paper! Speeds up pattern layout & provides faster more consistent results. Make sure ink is dry; paper is not porous.



**15 Sheets
Transfer Paper**

#RZ-PSPAP15 **\$9.95**



**100 Sheets
Transfer Paper**

#RZ-PSPAP100 **\$39.95**

No-Slip Silicone Mat

Our no-slip silicone mats come in three different colours: Ocean, Coral and Grey. They will give you that grip to work on your project steadily and effortlessly for those precision burns you require.



Ocean #RZ-PSMAT1218-01
Coral #RZ-PSMAT1218-02
Grey #RZ-PSMAT1218-GRY

\$26.95

Tip Cleaners

This ingenious tool removes carbon buildup from most sharp Razertip® tips quickly and easily. Prolongs tip life (compared to using abrasives). One hand operation; works without turning off power. Includes a flip-away blade cover for safety.

RZ-CLEANER
\$12.75



NOTE

We suggest that you never use abrasives to clean burner tips. Abrasives wear your tip out and will cause it to carbon up quicker than if you scraped it. We realize that some manufacturers advocate abrasives to clean tips. Either they don't know about scraping or they have other motives (i.e. selling you more tips). Scraping works best!
For tips that can't be scraped (scale tips, Feather Formers™, ball tips), use a dense brass brush.

Razertip Brass Brush Cleans tips of all shapes and sizes. Used to clean BPH pens. Gently removes carbon.

#RZ-BRASSBRUSH
\$6.18



Clips



Handpiece clip, with snap-in mount
RZ-SCLIP \$2.50 ea.

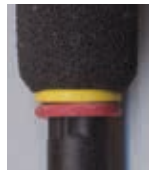


Handpiece clip with adhesive back
RZ-CLIP \$2.50 ea.

Coloured ID Rings for Pens

These "O"-rings are a simple way to identify one pen from another without having to look carefully at the tip. Sold in a set of 24 (3 each of 8 colours), they can be rolled onto the pen body (just behind the grip is a good place) in any combination to quickly ID different pens by the ring colours. They are re-usable and will fit Standard or HD pens.

24 rings, 3 ea. black, blue, green, orange, purple, red, white, yellow. # RZ-RINGSET24
Also available individually # RINGS16(colour) ie: RZ-RINGS16BLUE \$4.25



Razertip® Handpiece Cords

Razertip® cords are the most flexible and reliable cords available. All Razertip RCA connectors are custom made to ensure the proper connection is made, providing many years of dependable service.

Frequently Asked Questions

Q): What's the difference between Standard and Heavy-duty cords?

A): Standard ("FL" cords w/black ends) **18-gauge cord for maximum flexibility.**

Heavy-Duty ("HD" cords w/red end) **16-gauge cord for better tip heat recovery, less flexible.**

Any Razertip pen works on either cord, but HD pens perform best with HD cords. (Except P80 - See page 2).



RZ-CORD1FL (39") \$18.50



RZ-CORD1HD (39") \$19.50

#1 Cord Male RCA connectors on each end.

Use with Razertip® power supplies. Available in "FL" (super-flexible) or "HD" (heavy-duty). 1M (39") long.

A 12" version of the #1 cord is available for use as a patch cord on Colwood burners:

RZ-CORD7FL (12") \$17.50

RZ-CORD7HD (12") \$18.50

Adapter Cords



#RZ-CORD2FL (39") \$18.50

#RZ-CORD2HD (39") \$19.50

#2 Cord RCA (Male and female). Razertip extension cord. Also allows many other pens (Colwood, Optima) on a Razertip® power supply.



#RZ-CORD3FL (39") \$24.95

#RZ-CORD3HD (39") \$25.95

#3 Cord One male RCA, one 1/4" phone plug. Use Razertip® pens on power supplies with a 1/4" phone jack (Detail Master, Burnmaster).



#RZ-CORD4FL (39") \$18.50

#RZ-CORD4HD (39") \$19.50

#4 Cord Use Razertip® pens on power supplies with two "U" connector screws (Colwood).



#RZ-CORD5FL (39") \$24.95

#5 Cord To use Razertip® pens on power supplies that have two banana connectors.



#RZ-CORD8HD (12") \$19.50

#8 Cord To use Detail Master pens on Razertip® power supplies. Available in HD only.

Adapters



Adapts Optima, Colwood or Nibs pens to a Razertip® standard cord. (CORD1FL, CORD1HD, CORD7FL, CORD7HD) # RZ-AD1 \$5.00



Adapts Detail Master or similar pen to a Razertip® power supply. # RZ-AD2 \$6.75



Adapts Razertip® pens to Colwood, Nibs, Optima etc. # RZ-AD4 \$6.00

Razertip® Pen Features

All Razertip® pens have a well-earned reputation.

All pens are built to last a lifetime and operate up to 5 times cooler than other pens. For high-heat users, Razertip® pen bodies will cool off much quicker than any others.



Standard Fixed-tip Pens:

Standard pens are the smallest, most comfortable pens made. They are ideal for any application where fine detail is desirable.

Starting at \$31.80 ea

Heavy-Duty Fixed-tip Pens:

HD pens have a larger body than the Standard pens and are built for maximum durability. They have heavier tips and posts.

**higher heat settings often required, best used with a heavy-duty cord.*

Starting at \$36.25 ea

Pens shown actual size.



#BPH Interchangeable-tip Pen

Great if you want to try out new tips, make your own tips or for those rarely-used-but-still-important tips. The stainless steel plates and screws offer secure contact and make for easy removal and cleaning.

- Accepts all Razertip® wire tips
- Tip wire from 16-22 ga. as well.
- Screw plates act as a heatsink, keeps heat from transferring into the pen.
- Made from the HD pen, the BPH is cooler to hold than any other interchangeable-tip handpiece.

\$36.25 ea

Razertip® Tips

We Carry over 900 different Razertip™ tip and pen shapes and styles. We've grouped tips according to their most common uses (see tip index on [page 112](#) to see the groupings). If you're not sure which tip or pen is best for your needs, please drop us a line or give us a call and we will be happy to help.

Heavy-Duty (HD) vs. Standard Tips

Generally speaking, standard tips and standard fixed-tip pens are your best choice for fine detail work. They recover their heat more quickly than most HD tips and standard pens are smaller in size.

Heavy-duty pens and tips are your best choice for shading and cutting. Overall they will stand up better to harder use; for this reason they tend to be more popular with schools.

Fixed-tip vs. Interchangeable

For the most part our advice is to use fixed-tip pens for those tip shapes that you will use a lot.

Fixed-tip pens allow you to work closer to your project surface, allowing better control. The fixed-tip is usually more rigid than in a BPH pen - again - better control.

If you decide on BPH pens and changing tips, consider more than one because changing tips on a hot pen is no fun (also you won't need to change tips as often).

Fixed-tip pens are absolutely essential when cutting any material, especially plastics or anything that melts. Melted material can get into contact areas on BPH pens and cause the tip to stop heating.

Sharp Tips for Fine Lines

All "sharp" tips are supplied "Razer"-sharp and are capable of burning up to 120 lines per inch right out of the package. Different tip shapes have somewhat different applications, but all sharp tips are ideally suited for fine detail work such as feathers or hair on carved or flat surfaces. Some sharp tips are also used for cutting plastics, paper, fabric, gourds, leather and thin wood.

All Tips Shown Actual Size.

Skew Tips, Traditional (Series 1)

Very versatile tips. General use tip for pyrography, cutting and fine detail.

#1L is often supplied with new burners.

#1S-L is used for cutting gourds as well as detail work and long reach.



Availability and Price Key:

✓RZ-T(#) Standard tip only \$7.85	✓RZ-TH(#) Heavy-duty tip only \$8.45	✓RZ-F(#) Fixed-tip Standard Pen \$31.80	✓RZ-HD(#) Fixed-tip Heavy-duty Pen \$36.25
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Note: Certain tips and pens are priced differently from prices shown at left. The price for each of these items will be listed beside the item.

Sharp Tips for Fine Lines (continued)...

Skew Tips, Pointed (Series 13)

Medium skew with a sharper angle than a standard skew for those who prefer a more pointed tip. For general fine detailing of feathers and hair.

Medium Pointed Skew # RZ-13M



- ✓RZ-T13M
- ✓RZ-F13M
- ✓RZ-TH13M
- ✓RZ-HD13M

Skew Tips, Flat-angle (Series 4)

General detail work, used in much the same way as Traditional Skew (Series 1) tips, but for those who prefer a flatter angle to the tip end. Ideal for situations where it is necessary to work at or near right angles to the work surface.

Large Flat Skew # RZ-4L



- ✓RZ-T4L
- ✓RZ-TH4L
- ✓RZ-F4L
- ✓RZ-HD4L

Medium Flat Skew # RZ-4M



- ✓RZ-T4M
- ✓RZ-TH4M
- ✓RZ-F4M
- ✓RZ-HD4M

Small Flat Skew # RZ-4S



- ✓RZ-T4S
- ✓RZ-TH4S
- ✓RZ-F4S
- ✓RZ-HD4S

All Tips Shown Actual Size.

Skew Tips, Round-ended (Series 7)

General detail work. Great for fine detail on feathers, hair, or sculpted surfaces. Works very well on concave surfaces, like the low areas on "bumped" feathers. Popular with more advanced bird and animal carvers.

Large Round Skew # RZ-7L



- ✓RZ-T7L
- ✓RZ-TH7L
- ✓RZ-F7L
- ✓RZ-HD7L

Medium Round Skew # RZ-7M



- ✓RZ-T7M
- ✓RZ-TH7M
- ✓RZ-F7M
- ✓RZ-HD7M

Small Round Skew # RZ-7S



- ✓RZ-T7S
- ✓RZ-TH7S
- ✓RZ-F7S
- ✓RZ-HD7S

Extra-Small Round Skew # RZ-7XS



- ✓RZ-T7XS
- ✓RZ-F7XS

Round Tips (Series 2)

General fine detail work as well as detail on concave and uneven surfaces. Also popular for delicate pyrography shading.

Large Round # RZ-2L



- ✓RZ-T2L
- ✓RZ-TH2L
- ✓RZ-F2L
- ✓RZ-HD2L

Medium Round # RZ-2M



- ✓RZ-T2M
- ✓RZ-TH2M
- ✓RZ-F2M
- ✓RZ-HD2M

Small (or Tight) Round # RZ-2S



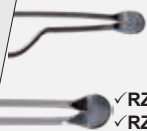
- ✓RZ-T2S
- ✓RZ-TH2S
- ✓RZ-F2S
- ✓RZ-HD2S

Extra-Small Round # RZ-2XS



- ✓RZ-T2XS
- ✓RZ-F2XS

Med/Small Round # RZ-2M-S



- ✓RZ-T2M-S
- ✓RZ-F2M-S
- ✓RZ-TH2M-S
- ✓RZ-HD2M-S

Modified Tight Round # RZ-2A



- ✓RZ-T2A
- ✓RZ-F2A
- ✓TRZ-H2A
- ✓RZ-HD2A

Extended Tight Round # RZ-2B



- ✓RZ-T2B
- ✓RZ-F2B
- ✓RZ-TH2B
- ✓RZ-HD2B

Availability and Price Key:

✓RZ-T(#) Standard tip only \$7.85	✓RZ-TH(#) Heavy-duty tip only \$8.45	✓RZ-F(#) Fixed-tip Standard Pen \$31.80	✓RZ-HD(#) Fixed-tip Heavy-duty Pen \$36.25
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Note: Certain tips and pens are priced differently from prices shown at left. The price for each of these items will be listed beside the item.

Sharp Tips for Fine Lines (continued)...

Spear Tips (Series 5)

Fine or extremely fine detail work. Excels at working in confined spaces and for delicate undercutting. Spear tips are also popular for general pyrography, wood-turning and gourd work. Large Heavy-duty Spear can be used for detail but is also very popular for cutting.

Our special extra-long spear pens and curved spear pens will only get hot at the very tip, not along their entire length. This allows you to reach into deep spaces without fear of burning your entry points.

**Large
Spear # RZ-5L**



✓RZ-T5L ✓RZ-TH5L
✓RZ-F5L ✓RZ-HD5L

**Medium
Spear # RZ-5M**



✓RZ-T5M ✓RZ-TH5M
✓RZ-F5M ✓RZ-HD5M

**Small
Spear # RZ-5S**



✓RZ-T5S ✓RZ-TH5S
✓RZ-F5S ✓RZ-HD5S

**Extra-Small
Spear # RZ-5XS**



✓RZ-T5XS
✓RZ-F5XS

2" Special Extra-long Spear # RZ-5X2



✓RZ-F5X2
\$43.85

3" Special Extra-long Spear # RZ-5X3



✓RZ-F5X3
\$43.85

Spear Tips, Curved (Series 12)

Curved spear tips allow you to reach into areas otherwise unreachable. The point of the tip overhangs the pen barrel, allowing the hot point to contact the surface even in very tight areas. Sliding the foam grip back on the pen will extend your reach. Unbeatable for reaching into undercuts and other hard-to-access places. Can also be used for general fine detail. The #12XS is the finest tip available, capable of extremely fine marks and dots.

**Large Curved
Spear # RZ-12L**



✓RZ-T12L
✓RZ-F12L

**Small Curved
Spear # RZ-12S**



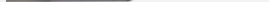
✓RZ-T12S
✓RZ-F12S

**Extra-Small Curved
Spear # RZ-12XS**



✓RZ-F12XS

**2" Special Extra-long
Curved Spear # RZ-12SX2**



✓RZ-F12SX2
\$42.80

Chisel Tips (Series 6)

Used for general fine detailing and repetitive lines and markings. Larger chisel tips can also be bent for repetitive curved "stamped" shapes (see [page 103](#) for Stamping tips).

**Large
Chisel # RZ-6L**



✓RZ-T6L ✓RZ-TH6L
✓RZ-F6L ✓RZ-HD6L

**Medium
Chisel # RZ-6M**



✓RZ-T6M ✓RZ-TH6M
✓RZ-F6M ✓RZ-HD6M

**Small
Chisel # RZ-6S**



✓RZ-T6S ✓RZ-TH6S
✓RZ-F6S ✓RZ-HD6S

**Large Wide
Chisel # RZ-2L**



✓RZ-T6LW
✓RZ-F6LW

**Extra-Small
Chisel # RZ-6XS**



✓RZ-T6XS
✓RZ-F6XS

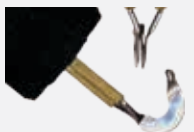
All Tips Shown Actual Size.

Sharp Tips for Fine Lines (continued)...

Multi-Line Tips (Series 11)

Burn multiple lines approximately 1/32" apart. Available in 2-line and 8-line configurations. Speeds up fine detailing of hair and feathers (see Feather Formers™ on pages 109-111 for more multi-line options). HD cord is recommended for the 8-line tip.

Large Dual Line # RZ-11-2L



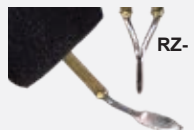
✓RZ-T11-2L \$8.45
✓RZ-F11-2L \$37.30

Medium Dual Line # RZ-11-2M



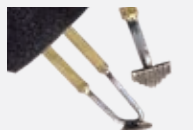
✓RZ-T11-2M \$8.45
✓RZ-F11-2M \$37.30

Small Dual Line # RZ-1-2S



RZ- ✓RZ-T11-2S \$8.45
✓RZ-F11-2S \$37.30

8-Line # RZ-11-8



✓RZ-T11-8 \$22.50
✓RZ-F11-8 \$43.85

Knife Tips (Series 14)

General detail in pyrography, gourds, hair, or feathers. The rounded heel can be very helpful when working on flat surfaces and is preferred by some artists.

Large Knife # RZ-14L



✓RZ-T14L ✓RZ-TH14L
✓RZ-F14L ✓RZ-HD14L

Medium Knife # RZ-14M



✓RZ-T14M ✓RZ-TH14M
✓RZ-F14M ✓RZ-HD14M

Small/Medium Knife # RZ-14SM



✓RZ-T14SM ✓RZ-TH14SM
✓RZ-F14SM ✓RZ-HD14SM

Small Knife # RZ-14S



✓RZ-T14S ✓RZ-TH14S
✓RZ-F14S ✓RZ-HD14S

Extra-Small Knife # RZ-14XS



✓RZ-T14XS
✓RZ-F14XS

Small Blunt Heel Knife # RZ-14D



✓RZ-T14D ✓RZ-TH14D
✓RZ-F14D ✓RZ-HD14D

General Purpose Tips

Excellent for general, all-around use.

General Pyrography Tips (Series 10)

For writing, shading, small scale marks, burnishing, and burning 2 parallel lines approximately 1/16" apart. Very durable.

Large General Pyrography Tip # RZ-10L



✓RZ-T10L
✓RZ-F10L

Regular General Pyrography Tip # RZ-10R



✓RZ-T10R
✓RZ-F10R

Availability and Price Key:

✓RZ-T(#) Standard tip only \$7.85	✓RZ-TH(#) Heavy-duty tip only \$8.45	✓RZ-F(#) Fixed-tip Standard Pen \$31.80	✓RZ-HD(#) Fixed-tip Heavy-duty Pen \$36.25
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Note: Certain tips and pens are priced differently from prices shown at left. The price for each of these items will be listed beside the item.

Sharp Tips for Wide Detail Lines

"Wide-line" sharp tips are used mainly for feather and hair detail. They don't burn as fine as the fine-line sharp tips, and tend to give a shallower texture. This is the style of texturing preferred by many top carvers including Larry Barth and Pat Godin.

Coarse Detail Tips (Series 17)

Used in much the same way as Series 7 Round Skew tips, but yielding a wider detail line. HD versions yield a slightly thicker line than standard versions.

Large Coarse Detail # RZ-17L



✓RZ-T17L ✓RZ-TH17L
✓RZ-F17L ✓RZ-HD17L

Medium Coarse Detail # RZ-17M



✓RZ-T17M ✓RZ-TH17M
✓RZ-F17M ✓RZ-HD17M

Small Coarse Detail # RZ-17S



✓RZ-T17S ✓RZ-TH17S
✓RZ-F17S ✓RZ-HD17S

Wide-Groove Detail Tips (Series 71)

Even wider than Series 17 tips, these tips have a steel blade welded onto the end. They can burn a groove up to 3/32" wide. They take a bit longer to heat up but once heated, they hold their heat better than a wire tip. They are also much stronger than a plain wire tip. The 6mm tip holds heat a bit better than the 4mm but is not quite as nimble. Use an HD cord with all Series 71 tips for best results.

4mm Wide-Groove Detail # RZ-71-04



✓RZ-T71-04
✓RZ-F71-04

6mm Wide-Groove Detail # RZ-71-06



✓RZ-T71-06
✓RZ-F71-06

Larry Barth Detail Tips (Series 36)

Designed by multi-time World-champion carver Larry Barth, these tips are made to his exact specifications. Larry uses these tips for virtually every aspect of burning detail, including his feather shafts. The sharpened angle of the blade is similar to that of a tapered texturing stone, allowing for easy transitions from burned texture to stoned texture.

9mm (Large) Barth Detail # RZ-36-09



✓RZ-T36-09 ✓RZ-TH36-09
✓RZ-F36-09 ✓RZ-HD36-09

7mm (Med.) Barth Detail # RZ-36-07



✓RZ-T36-07 ✓RZ-TH36-07
✓RZ-F36-07 ✓RZ-HD36-07

5mm (Small) Barth Detail # 3RZ-6-05



✓RZ-T36-05 ✓RZ-TH36-05
✓RZ-F36-05 ✓RZ-HD36-05

3mm (X-Sm) Barth Detail # RZ-36-03



✓RZ-T36-03
✓RZ-F36-03

Michael Hosaluk Wide-Groove Medium Spear (Series 5)

Designed by renowned wood-turner Michael Hosaluk. Mike uses this tip to burn defining lines on his wood turnings. Its unique design gives a heavier line and gives the tip more strength than thinner tips.

Medium Hosaluk Spear # RZ-5MH



✓RZ-TH5MH
✓RZ-HD5MH

Multi-Use Tips (Series 18)

These Multi-Use tips, all unique to Razertip®, are probably the most versatile tips in the history of pyrography. They can all be used for fine feather and hair detail, wide-groove detailing, and carving or relieving feathers and shafts. They can also be used for scaling, shading, and calligraphy. They are the only tip that can simulate "stoning" effects as well as "rippling" on feathers. Their unique shape makes them very tough and durable. They are available in 5 sizes - from extra-small to extra-large. Medium and large are the most popular. The small version is very useful for smaller songbirds around the size of a chickadee. The extra-small version is great for miniatures and fine detail work.

Extra-Large Multi-Use # RZ-18XL



✓RZ-T18XL
✓RZ-F18XL

Medium Multi-Use # RZ-18M



✓RZ-T18M
✓RZ-F18M

Large Multi-Use # 1RZ-8L



✓RZ-T18L
✓RZ-F18L

Small Multi-Use # RZ-18S



✓RZ-T18S
✓RZ-F18S

Extra-Small Multi-Use # RZ-18XS



✓RZ-T18XS
✓RZ-F18XS

Cutting Tips

These tips excel at cutting. Use on fabrics, plastics, thin wood & leather, paper, stencils and gourds. For strength, reliability and longevity, we recommend using fixed-tip pens for cutting, especially when cutting materials that melt.

All Tips Shown Actual Size.

Large Skew # RZ-1L



✓RZ-TH1L
✓RZ-HD1L

Our most popular cutting tip. Great for general cutting and trimming of plastics, thin wood, leather, stencils, fabric and paper.

This tempered tip is great for piercing/cutting gourds. Use at fairly high heat with a "sawing" action.

Long Small Skew # RZ-1S-L



✓RZ-TH1S-L
✓RZ-HD1S-L

Most often used for cutting and detailing gourds, but will also work for cutting other materials as well as for fine detail work.

Large Spear # RZ-5L



✓RZ-TH5L
✓RZ-HD5L

Can be used for most of the same cutting and trimming applications as the Skew tip. Also particularly useful for cutting gourds.

Gourd Cutter # RZ-9G-17



✓RZ-T9G-17
✓RZ-F9G-17

Split-Making Tips

Designed for making subtle splits in feathers. They can take a bit of practice but the results can be very impressive.

Mueller Split Maker (Series 35) Designed by World Champion Carver Keith Mueller and exclusive to Razertip®, this tip allows for subtle and varying splits to be made quickly and easily. Made like a miniature boat hull, you use the end for a finer groove and gradually lay the tip down while sliding it along the feather surface, giving a gradually widening and smoothing split, which is easily accented or enhanced when you paint.



✓RZ-F35S
\$36.20

All Tips Shown Actual Size.



Simkin Split Makers (Series 34)

Designed by World Champion Carver Wayne Simkin and exclusive to Razertip®, these tips allow you to make gently-curved splits of almost any length. Available individually as left or right-curved tips; also available in a set of either 2 tips or 2 pens.



Left curve



Right curve

✓RZ-TH34.18LH \$11.25
✓RZ-HD34.18LH \$38.60

✓RZ-TH34.18RH \$11.25
✓RZ-HD34.18RH \$38.60

Set of 2 "Simkin" Split tips (one each Left and Right)

RZ-SET2-TH34.18 \$17.35

Set of 2 "Simkin" Split pens (one each Left and Right)

#RZ-SET2-HD34.18 \$69.85

Availability and Price Key:

✓RZ-T(#)	✓RZ-TH(#)	✓RZ-F(#)	✓RZ-HD(#)
Standard tip only	Heavy-duty tip only	Fixed-tip Standard Pen	Fixed-tip Heavy-duty Pen
\$7.85	\$8.45	\$31.80	\$36.25

Note: Certain tips and pens are priced differently from prices shown at left. The price for each of these items will be listed beside the item.

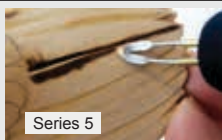
Shaft-Making (or Quill-Making) Tips

Most commonly used for "raising" feather shafts or for layering wing and tail feathers on bird carvings. They have a square cross-sectional edge that won't "skate" when following a long line, and they leave a nice wide ramp into the raised area, reducing or eliminating the need to sand. *All Tips Shown Actual Size.*

Spear-Shaped Shaft-Making Tips (Series 5)

Cam designed these tips back in 1991 while working on a life-size flying Magpie.

He used this style of tip to raise all of the tail and flight feather shafts. Cam prefers this style of tip because it is ambidextrous, and the fine point allows him to get into corners that the Guge-style tip won't.



Medium Spear Shaft Tip # RZ-5MC



✓ RZ-TH5MC
✓ RZ-HD5MC

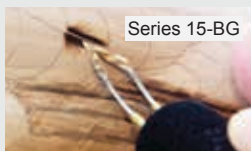
Small Spear Shaft Tip # RZ-5SC



✓ RZ-TH5SC
✓ RZ-HD5SC

Bob Guge Style Shaft-Making Tips (Series 15-BG)

This is the style of shaft-making tip preferred by Bob Guge. We offer two sizes (large and small) in either left or right-handed versions. All are available in standard or heavy-duty pens or tips. For most users we recommend the HD pens and tips as they will withstand more sideways pressure without bending.



Large Skew Shaft Tip (Right-hand) # RZ-15L-BG

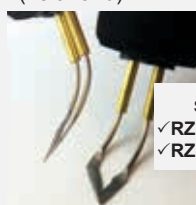


Standard
✓ RZ-T15L-BG
✓ RZ-F15L-BG



Heavy-Duty
✓ RZ-TH15L-BG
✓ RZ-HD15L-BG

Large Skew Shaft Tip (Left-hand) # RZ-15LH-BG

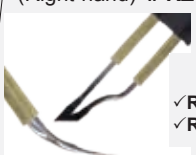


Standard
✓ RZ-T15LH-BG
✓ RZ-F15LH-BG



Heavy-Duty
✓ RZ-TH15LH-BG
✓ RZ-HD15LH-BG

Small Skew Shaft Tip (Right-hand) # RZ-15S-BG

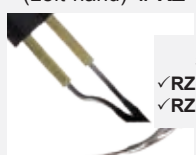


Standard
✓ RZ-T15S-BG
✓ RZ-F15S-BG

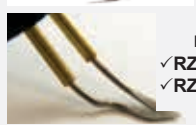


Heavy-Duty
✓ RZ-TH15S-BG
✓ RZ-HD15S-BG

Small Skew Shaft Tip (Left-hand) # RZ-15SH-BG



Standard
✓ RZ-T15SH-BG
✓ RZ-F15SH-BG



Heavy-Duty
✓ RZ-TH15SH-BG
✓ RZ-HD15SH-BG

Traditional Skew-Shaped Shaft-Making Tips (Series 15)

The original style of shaft (or quill) making tip is still preferred by many artists. Also popular as a shading tip.

Large Skew Shaft Tip (Right-hand) # RZ-15L



Standard
✓ RZ-T15L
✓ RZ-F15L



Heavy-Duty
✓ RZ-TH15L
✓ RZ-HD15L

Large Skew Shaft Tip (Left-hand) # RZ-15LH



Standard
✓ RZ-T15LH
✓ RZ-F15LH



Heavy-Duty
✓ RZ-TH15LH
✓ RZ-HD15LH

Writing & Stylus Tips

Razertip's selection of writing and stylus tips is second to none. With ball stylus tips from 1/64" to 7/32" as well as wire tips in several different shapes and point sizes, we're sure to have the tip you need.

Chisel Calligraphy Tips (Series 6)

Very similar to our small chisel tip, (pg 18) the 6SB has had the knife edge buffed so the tip will be less prone to digging into your work surface from any angle.

Small Calligraphy Chisel # RZ-6SB



✓ RZ-T6SB
✓ RZ-F6SB



✓ RZ-TH6SB
✓ RZ-HD6SB

All Tips Shown Actual Size.

Brass Calligraphy Tips (Series 68)

The brass sleeve on these tips takes a bit longer to heat up but will maintain its heat more consistently than a plain wire tip. Very smooth to use and not at all prone to "digging in".

Large Brass Calligraphy # RZ-68L

Medium Brass Calligraphy # RZ-68M



✓ RZ-T68L
✓ RZ-F68L



✓ RZ-TH68L
✓ RZ-HD68L



✓ RZ-T68M
✓ RZ-F68M



✓ RZ-TH68M
✓ RZ-HD68M

Writing Tips (Series 9)

These tips heat fairly quickly and recover their heat well. Good for general writing, signing and drawing.

Writing Tip # RZ-9



✓ RZ-T9
✓ RZ-F9



✓ RZ-TH9
✓ RZ-HD9

Small Writing Tip # RZ-9S



✓ RZ-T9S
✓ RZ-F9S



✓ RZ-TH9S
✓ RZ-HD9S

Extra-Small Writing Tip # RZ-9XS



✓ RZ-T9XS
✓ RZ-F9XS

Pointed Writing Tip # RZ-9P



✓ RZ-F9P

Ball Stylus Tips (Series 99; 0.4mm-2.3mm)

Chrome steel balls welded onto the end of the tip give excellent heat retention (better as the ball is bigger). The polished ball ends are buttery-smooth to write and draw with. Line widths are consistent and repeatable in all directions. The 1/64" ball tip is the smallest in the world.

.4mm (1/64") Ball Stylus Tip # RZ-99-004



✓ RZ-T99-004
✓ RZ-F99-004

.8mm (1/32") Ball Stylus Tip # RZ-99-008



✓ RZ-T99-008
✓ RZ-F99-008



✓ RZ-TH99-008
✓ RZ-HD99-008

1.2mm (3/64") Ball Stylus Tip # RZ-99-012



✓ RZ-T99-012
✓ RZ-F99-012

1.5mm (1/16") Ball Stylus Tip # RZ-99-015



✓ RZ-T99-015
✓ RZ-F99-015

2.0mm (5/64") Ball Stylus Tip # RZ-99-020



✓ RZ-T99-020
✓ RZ-F99-020



✓ RZ-TH99-020
✓ RZ-HD99-020

2.3mm (3/32") Ball Stylus Tip # RZ-99-023



✓ RZ-T99-023
✓ RZ-F99-023

Ball Stylus Tips (Series 99; 3.0mm-5.5mm)

Nickel-plated brass balls with tip wire passing through the center of the ball gives very uniform heat. These tips take a while to heat up (the 5.5mm ball may take up to 90 seconds), but they hold their heat very well and are a joy to use. Great for writing thicker lines as well as shading and dimpling backgrounds.

3.0mm (1/8") Ball Stylus Tip # 99.030



✓ RZ-T99.030
✓ RZ-F99.030

3.9mm (5/32") Ball Stylus Tip # 99.039



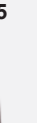
✓ RZ-TH99.039
✓ RZ-F99.039

4.7mm (3/16") Ball Stylus Tip # 99.047



✓ RZ-T99.047
✓ RZ-F99.047

5.5mm (7/32") Ball Stylus Tip # 99.055



✓ RZ-TH99.055
✓ RZ-F99.055

Shading Tips

As their name suggests, these tips are used primarily for shading on all surfaces. Shaders have slightly rounded edges so they won't dig into your work surface. Generally speaking, the spear and spoon shaders are the best ones to start with. Other tip shapes would be selected based on your preference and specific needs. HD cord recommended with all shading tips.

All Tips Shown Actual Size.

Round Shading Tips (Series 2)

Popular for general shading applications, round shaders excel at shading where outer margins are concave (like the inside of a circle or eye). Also popular for shading using circular motions on the surface.

Large Round Shader # RZ-2LC



✓RZ-TH2LC
✓RZ-HD2LC

Medium Round Shader # RZ-2MC



✓RZ-TH2MC
✓RZ-HD2MC

Small Round Shader # RZ-2SC



✓RZ-TH2SC
✓RZ-HD2SC

Spear Shading Tips (Series 5)

One of our most popular shading tip styles. Spear shaders are useful for most shading techniques from straight lines to points and inside sharp corners. As with all shaders, the edge can also be used for dark, crisp lines.

Medium Spear Shader # RZ-5MP



✓RZ-TH5MP
✓RZ-HD5MP

Medium/Small Spear Shader # RZ-5MSP



✓RZ-TH5MSP
✓RZ-HD5MSP

Small Spear Shader # RZ-5SP



✓RZ-TH5SP
✓RZ-HD5SP

Small Long Spear Shader # 5SP-L



✓RZ-TH5SP-L
✓RZ-HD5SP-L

Chisel Shading Tips (Series 6)

Useful for general shading applications. Also used for crisp, straight shaded edges as well as 90 degree corners, simulating shingles, etc.

Large Chisel Shader # RZ-6LC



✓RZ-TH6L
✓RZ-HD6L

Medium Chisel Shader # RZ-6MC



✓RZ-TH6MC
✓RZ-HD6MC

Small Chisel Shader # RZ-6SC



✓RZ-TH6SC
✓RZ-HD6SC

45-Degree Shading Tips (Series 16)

A very useful general-purpose shader. Recommended in several popular pyrography books and articles.

Large 45-Degree Shader # RZ-16L



✓RZ-TH16L
✓RZ-HD16L

Medium 45-Degree Shader # RZ-16M



✓RZ-TH16M
✓RZ-HD16M

Small 45-Degree Shader # RZ-16S



✓RZ-TH16S
✓RZ-HD16S

Spoon Shading Tips (Series 30)

One of our most popular and versatile shading tips. They can be used for a wide variety of shading applications and techniques on all surfaces (flat, concave or convex). Also popular for working with wax.

Medium Spoon Shader # RZ-30M



✓RZ-TH30M
✓RZ-HD30M

Small Spoon Shader # RZ-30S



✓RZ-TH30S
✓RZ-HD30S

Shading Tips (continued)

Stainless Steel Transfer-Shader Tips (Series 73)

Steel blade is great for general shading. Also excellent for heat transfer of photocopied patterns onto almost any surface (wood, gourds, paper....). 10mm Transfer/shader with larger blade is best suited for transfer work, but can also be used to shade (takes a bit longer to heat than the 7mm tip).

7mm Transfer Shader # RZ-73-07



✓RZ-T73-07
✓RZ-F73-07

10mm Transfer Shader # RZ-73-10



✓RZ-T73-10
✓RZ-F73-10

Copper Spear Shader (Series 93)

In addition to shading and general pyrography, this tip can also be used for light soldering.



✓RZ-T93M
✓RZ-F93M

Wax Tips

Commonly used for working with jeweller's wax. Designed to be used at low temperature settings. Standard cord is recommended. "PK" Series tips are too weak to use on materials other than wax.

Akers Point # RZ-32M



✓RZ-TH32M
✓RZ-HD32M

Long Waxing Point # RZ-PK1



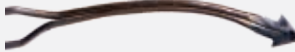
✓RZ-HDPK1 \$47.00

Long Waxing Point # RZ-PK2



✓RZ-HDPK2 \$47.00

Long Waxing Point # RZ-PK3



✓RZ-HDPK3 \$47.00

All Tips Shown Actual Size.

Wax Writing Tips

Used for writing and drawing with beeswax when making **Pysanky (Ukrainian Easter eggs)**. Designed to be used at low temperature settings. Different tube sizes for varying line widths. Supplied with cleaning needle.

Fine Wax Writer

(22 ga. tube) # **RZ-79-22**



✓RZ-T79-22 \$8.45
✓RZ-F79-22 \$36.25

Small Wax Writer

(20 ga. tube) # **RZ-79-20**



✓RZ-T79-20 \$8.45
✓RZ-F79-20 \$36.25

Medium Wax Writer

(18 ga. tube) # **RZ-79-18**



✓RZ-T79-18 \$8.45
✓RZ-F79-18 \$36.25

Large Wax Writer

(16 ga. tube) # **RZ-79-16**



✓RZ-T79-16 \$8.45
✓RZ-F79-16 \$36.25

Availability and Price Key:

✓RZ-T(#) Standard tip only \$7.85	✓RZ-TH(#) Heavy-duty tip only \$8.45	✓RZ-F(#) Fixed-tip Standard Pen \$31.80	✓RZ-HD(#) Fixed-tip Heavy-duty Pen \$36.25
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Note: Certain tips and pens are priced differently from prices shown at left. The price for each of these items will be listed beside the item.

Special-purpose Tips

Lamiae Making Tips (Series 3)

Specialized tip for forming the lamiae, or tooth-like serrations on duck bills. Has a triangular cross-section; the pointed end is pushed into the underside of the bill repeatedly, leaving realistic-looking lamiae. HD cord recommended.



✓RZ-TH3
✓RZ-HD3

Copper Spear Shader (Series 93)

In addition to shading and general pyrography, this tip can also be used for light soldering. HD cord recommended.



✓RZ-T93M
✓RZ-F93M

Burnishing Tips (Series 8)

Useful for burnishing bird bills and hooves on animal carvings. Can also be used as a very strong general pyrography tip. Excellent on leather. HD cord recommended.

Burnishing Tips # RZ-8



✓RZ-T8
✓RZ-F8

✓RZ-TH8
✓RZ-HD8

Bead-Maker Tips

Used to "push" material down, leaving a raised "bead". Popular with gourd artists and woodturners.

Bead Makers (Series 98)

Used to form round raised "beads" on any surface, but very popular on gourds and woodturnings. Each depression forms a portion of the bead radius. HD cord recommended.



3.0mm Bead Maker

✓RZ-T98-030
✓RZ-F98-030



4.7mm Bead Maker

✓RZ-T98-047
✓RZ-F98-047



6.0mm Bead Maker

✓RZ-T98-060
✓RZ-F98-060

Individual Beading Tips \$12.20 ea. Pens \$35.45 ea.
Set of 3 Beading Tips # RZ-SET3-T98 \$27.85/set
Set of 3 Beading Pens # RZ-SET3-F98 \$95.30/set

Stamping (Branding) Tips

Great for repetitive designs on all surfaces.

"V" Branding Tips (Series 66)

Used to "brand" or stamp 90 degree "V" shapes into all surfaces. Stamping corner-to-corner will give a square shape. Also excellent for "herringbone" patterns.

3.0mm "V" Brand # RZ-66-030R



✓RZ-T66-030R
✓RZ-F66-030R

6.5mm "V" Brand # RZ-66-065R



✓RZ-F66-065R
✓RZ-HD66-065R

4.0mm "V" Brand # RZ-66-040R



✓RZ-T66-040R
✓RZ-F66-040R

12mm "V" Brand # RZ-66-120R



✓RZ-F66-120R

Circle Stamping Tips (Series 92)

Used to "brand" or stamp small circles into all surfaces. Copper tube is crimped on to the tip. Allow extra time for heating up and cooling down. HD cord recommended.

2.1mm Circle Stamping Tip # RZ-92-21



✓RZ-T92-21
✓RZ-F92-21

3.0mm Circle Stamping Tip # RZ-92-30



✓RZ-T92-30
✓RZ-F92-30

3.8mm Circle Stamping Tip # RZ-92-38



✓RZ-T92-38
✓RZ-F92-38

Square Stamping Tips (Series 96)

Used in the same way as the circle stampers (above). HD cord recommended.

2.2mm Square Stamping Tip # RZ-96-22



✓RZ-T96-22
✓RZ-F96-22

























3.0mm Square Stamping Tip # RZ-96-30



✓RZ-T96-30
✓RZ-F96-30

Steel Blank Tips

"Do-it-yourself" tip blanks with carbon steel welded on to the end can be used "as-is", or you can custom grind and polish them to desired shape and profile. The original idea for these tips came to us from world-champion carvers Clark Schreiber and Jeff Compton. They grind the ends of these blanks to impart very fine texture to coral, among other things. Ideal for custom stamps, brands or whatever your imagination allows. They can also be made into superb custom calligraphy tips! HD Cord recommended.

<p>Square Steel Skew Blanks (Series 70) Square steel blank is welded to a skew tip on flat side of blank. HD cord recommended.</p>	<p>Large 1/8" x 6mm ✓ RZ-T70L-06 ✓ RZ-F70L-06</p> 	<p>Medium 3/32" x 6mm ✓ RZ-T70M-06 ✓ RZ-F70M-06</p> 	<p>Small 1/16" x 6mm ✓ RZ-T70S-06 ✓ RZ-F70S-06</p> 
<p>Diamond Steel Skew Blanks (Series 71) Square steel blank is welded to a skew tip on corner of blank. HD cord recommended.</p>	<p>Large 1/8" x 6mm ✓ RZ-T71L-06 ✓ RZ-F71L-06</p> 	<p>Medium 3/32" x 6mm ✓ RZ-T71M-06 ✓ RZ-F71M-06</p> 	<p>Small 1/16" x 6mm ✓ RZ-T71S-06 ✓ RZ-F71S-06</p> 
<p>Round Steel Skew Blanks (Series 72) Round steel blank is welded to a skew tip along length of blank. HD cord recommended.</p>	<p>Large 1/8" x 6mm ✓ RZ-T72L-06 ✓ RZ-F72L-06</p> 	<p>Medium 3/32" x 6mm ✓ RZ-T72M-06 ✓ RZ-F72M-06</p> 	<p>Small 1/16" x 6mm ✓ RZ-T72S-06 ✓ RZ-F72S-06</p> 
<p>Square Steel Chisel Blanks (Series 76) Square steel blank is welded to a chisel tip on flat side of blank. HD cord recommended.</p>	<p>Large 1/8" x 6mm ✓ RZ-T76L-06 ✓ RZ-F76L-06</p> 	<p>Medium 3/32" x 6mm ✓ RZ-T76M-06 ✓ RZ-F76M-06</p> 	<p>Small 1/16" x 6mm ✓ RZ-T76S-06 ✓ RZ-F76S-06</p> 
<p>Diamond Steel Chisel Blanks (Series 75) Square steel blank is welded to a chisel tip on corner of blank. HD cord recommended.</p>	<p>Large 1/8" x 6mm ✓ RZ-T75L-06 ✓ RZ-F75L-06</p> 	<p>Medium 3/32" x 6mm ✓ RZ-T75M-06 ✓ RZ-F75M-06</p> 	<p>Small 1/16" x 6mm ✓ RZ-T75S-06 ✓ RZ-F75S-06</p> 
<p>Round Steel Chisel Blanks (Series 74) Round steel blank is welded to a chisel tip along length of blank. HD cord recommended.</p>	<p>Large 1/8" x 6mm ✓ RZ-T74L-06 ✓ RZ-F74L-06</p> 	<p>Medium 3/32" x 6mm ✓ RZ-T74M-06 ✓ RZ-F74M-06</p> 	<p>Small 1/16" x 6mm ✓ RZ-T74S-06 ✓ RZ-F74S-06</p> 
<p>Square Steel Long Blanks (Series 78) Square steel blank is welded to a pointed tip at end of the blank. HD cord recommended.</p>	<p>Large 1/8" x 6mm ✓ RZ-T78L-06 ✓ RZ-F78L-06</p> 	<p>Medium 3/32" x 6mm ✓ RZ-T78M-06 ✓ RZ-F78M-06</p> 	<p>Small 1/16" x 6mm ✓ RZ-T78S-06 ✓ RZ-F78S-06</p> 
<p>Round Steel Long Blanks (Series 77) Round steel blank is welded to a pointed tip at end of the blank. HD cord recommended.</p>	<p>Large 1/8" x 6mm ✓ RZ-T77L-06 ✓ RZ-F77L-06</p> 	<p>Medium 3/32" x 6mm ✓ RZ-T77M-06 ✓ RZ-F77M-06</p> 	<p>Small 1/16" x 6mm ✓ RZ-T77S-06 ✓ RZ-F77S-06</p> 

Tip Wire

This is the high-quality tip wire used to make all Razer-tips. Use with #BPH Pen.

<p>Heavy-Duty Wire (18Ga./ 0.040") 3pcs x 6" ea (18" total)..... # RZ-TW3-1806</p>	<p>\$8.45</p>	<p>Light Wire (22Ga./ 0.025") 3pcs x 6" ea (18" total)..... # RZ-TW3-2206</p>	<p>\$8.45</p>
<p>Standard Wire (20Ga./ 0.032") 3pcs x 6" ea (18" total)..... # RZ-TW3-2006</p>	<p>\$8.45</p>	<p>6-pc. Assortment: 6" x 2ea. of 18, 20 & 22ga (36" total) # RZ-TW6-AST</p>	<p>\$13.15</p>

Scale Tips

With over 185 different tip shapes and styles, available in your choice of fixed or interchangeable tips. HD Cord is recommended for all scale tips.

“Full-Scale” Tips (Series 20)

With each depression, these tips will form a full raised scale. They push down the wood behind the scale, leaving a clean, uniform, raised scale.

Available from 1mm to 8mm wide.



Scales formed with # 2RZ-0-05R tip.

Tip Width	Availability	Reg. Curve #	Deep Curve #	Flat Curve #
1mm	Tip \$12.20	RZ-T20-01R	RZ-T20-01D	RZ-T20-01F
	Pen \$35.45	RZ-F20-01R	RZ-F20-01D	RZ-F20-01F
2mm	Tip \$12.20	RZ-T20-02R	RZ-T20-02D	RZ-T20-02F
	Pen \$35.45	RZ-F20-02R	RZ-F20-02D	RZ-F20-02F
3mm	Tip \$12.20	RZ-T20-03R	RZ-T20-03D	RZ-T20-03F
	Pen \$35.45	RZ-F20-03R	RZ-F20-03D	RZ-F20-03F
4mm	Tip \$12.20	RZ-T20-04R	RZ-T20-04D	RZ-T20-04F
	Pen \$35.45	RZ-F20-04R	RZ-F20-04D	RZ-F20-04F
5mm	Tip \$12.20	RZ-T20-05R	RZ-T20-05D	RZ-T20-05F
	Pen \$35.45	RZ-F20-05R	RZ-F20-05D	RZ-F20-05F
6mm	Tip \$12.20	RZ-T20-06R	RZ-T20-06D	RZ-T20-06F
	Pen \$35.45	RZ-F20-06R	RZ-F20-06D	RZ-F20-06F
7mm	Tip \$14.40	RZ-T20-07R	RZ-T20-07D	RZ-T20-07F
	Pen \$37.30	RZ-F20-07R	RZ-F20-07D	RZ-F20-07F
8mm	Tip \$14.40	RZ-T20-08R	RZ-T20-08D	RZ-T20-08F
	Pen \$37.30	RZ-F20-08R	RZ-F20-08D	RZ-F20-08F

All Tips Shown Actual Size.

“Half-Scale” Tips (Series 21)

With each depression, the half-scale tip forms two halves of a raised scale. This design allows for some variation in scale size as shown below.

Available from 2mm to 10mm wide.



Scales formed with # RZ-21-09R tip.

Tip Width	Availability	Reg. Curve #	Deep Curve #	Flat Curve #
2mm	Tip \$12.20	RZ-T21-02R	RZ-T21-02D	RZ-T21-02F
	Pen \$35.45	RZ-F21-02R	RZ-F21-02D	RZ-F21-02F
3mm	Tip \$12.20	RZ-T21-03R	RZ-T21-03D	RZ-T21-03F
	Pen \$35.45	RZ-F21-03R	RZ-F21-03D	RZ-F21-03F
4mm	Tip \$12.20	RZ-T21-04R	RZ-T21-04D	RZ-T21-04F
	Pen \$35.45	RZ-F21-04R	RZ-F21-04D	RZ-F21-04F
5mm	Tip \$12.20	RZ-T21-05R	RZ-T21-05D	RZ-T21-05F
	Pen \$35.45	RZ-F21-05R	RZ-F21-05D	RZ-F21-05F
6mm	Tip \$12.20	RZ-T21-06R	RZ-T21-06D	RZ-T21-06F
	Pen \$35.45	RZ-F21-06R	RZ-F21-06D	RZ-F21-06F
7mm	Tip \$14.40	RZ-T21-07R	RZ-T21-07D	RZ-T21-07F
	Pen \$37.30	RZ-F21-07R	RZ-F21-07D	RZ-F21-07F
8mm	Tip \$14.40	RZ-T21-08R	RZ-T21-08D	RZ-T21-08F
	Pen \$37.30	RZ-F21-08R	RZ-F21-08D	RZ-F21-08F
9mm	Tip \$14.40	RZ-T21-09R	RZ-T21-09D	RZ-T21-09F
	Pen \$37.30	RZ-F21-09R	RZ-F21-09D	RZ-F21-09F
10mm	Tip \$14.40	RZ-T21-10R	RZ-T21-10D	RZ-T21-10F
	Pen \$37.30	RZ-F21-10R	RZ-F21-10D	RZ-F21-10F

All scales formed in the illustration to the left were made with a 9mm Regular curve tip. Scale sizes and curves were deliberately varied to illustrate the range of shapes possible from a single tip. Uniform scales are easily achieved too.

Regular

Flat

Deep

Tip Curves



Scale curves and shapes vary from one species to another. Razertip scale tips are available with your choice of regular, deep or flat curves to work for most species. Be sure to check your reference before ordering so you get just the right look to your scales.

Current pricing available at mapleandass.com

Scale Tips (continued)

All Tips Shown Actual Size.

“Lateral Line” Tips (Series 25)

Used much like the half-scale tips, these tips have a “tunnel” that leaves a raised rib in the center. Scales are burned in rows, leaving a raised lateral line. Available from 2mm to 10mm wide.



Upper scales formed with #21.09R.



Lateral line formed with #RZ-25-09R.

Prices & Availability:
Same as “Half-Scale” Series 21 tips (refer to the price chart on page 24). To order, substitute #25 in place of the original #21 shown in the charts. Example: 3mm Regular curve pen #RZ-F25-03R, \$35.45

“Realistic Full-Scale” Tips (Series 22)

Forms the most accurate scales possible, mimicking the real thing. Requires a bit more concentration; recommended for more advanced users. Custom species-specific tips can also be made (call for details).



Available from 0.5mm to 10mm wide.

Scales formed with # RZ-22-05R tip.



Tip Width	Availability	Reg. Curve #	Deep Curve #	Flat Curve #	Tip Width	Availability	Keeled #
0.5mm	Tip \$15.00	RZ-T22-005R	RZ-T22-005D	RZ-T22-005F	2mm	Tip \$15.00	RZ-T22-02K
	Pen \$37.80	RZ-F22-005R	RZ-F22-005D	RZ-F22-005F		Pen \$37.80	RZ-F22-02K
1mm	Tip 15.00	RZ-T22-01R	RZ-T22-01D	RZ-T22-01F	2.5mm	Tip \$15.00	RZ-T22-025K
	Pen \$37.80	RZ-F22-01R	RZ-F22-01D	RZ-F22-01F		Pen \$37.80	RZ-F22-025K
2mm	Tip 15.00	RZ-T22-02R	RZ-T22-02D	RZ-T22-02F	3mm	Tip \$15.00	RZ-T22-03K
	Pen \$37.80	RZ-F22-02R	RZ-F22-02D	RZ-F22-02F		Pen \$37.80	RZ-F22-03K
3mm	Tip 15.00	RZ-T22-03R	RZ-T22-03D	RZ-T22-03F	3.5mm	Tip \$15.00	RZ-T22-035K
	Pen \$37.80	RZ-F22-03R	RZ-F22-03D	RZ-F22-03F		Pen \$37.80	RZ-F22-035K
4mm	Tip 15.00	RZ-T22-04R	RZ-T22-04D	RZ-T22-04F	4mm	Tip \$15.00	RZ-T22-04K
	Pen \$37.80	RZ-F22-04R	RZ-F22-04D	RZ-F22-04F		Pen \$37.80	RZ-F22-04K
5mm	Tip 15.00	RZ-T22-05R	RZ-T22-05D	RZ-T22-05F	4.5mm	Tip \$15.00	RZ-T22-045K
	Pen \$37.80	RZ-F22-05R	RZ-F22-05D	RZ-F22-05F		Pen \$37.80	RZ-F22-045K
6mm	Tip 15.00	RZ-T22-06R	RZ-T22-06D	RZ-T22-06F	5mm	Tip \$15.00	RZ-T22-05K
	Pen \$37.80	RZ-F22-06R	RZ-F22-06D	RZ-F22-06F		Pen \$37.80	RZ-F22-05K
7mm	Tip \$17.85	RZ-T22-07R	RZ-T22-07D	RZ-T22-07F	6mm	Tip \$15.00	RZ-T22-06K
	Pen \$40.20	RZ-F22-07R	RZ-F22-07D	RZ-F22-07F		Pen \$37.80	RZ-F22-06K
8mm	Tip \$17.85	RZ-T22-08R	RZ-T22-08D	RZ-T22-08F	7mm	Tip \$17.85	RZ-T22-07K
	Pen \$40.20	RZ-F22-08R	RZ-F22-08D	RZ-F22-08F		Pen \$40.20	RZ-F22-07K
9mm	Tip \$17.85	RZ-T22-09R	RZ-T22-09D	RZ-T22-09F	8mm	Tip \$17.85	RZ-T22-08K
	Pen \$40.20	RZ-F22-09R	RZ-F22-09D	RZ-F22-09F		Pen \$40.20	RZ-F22-08K
10mm	Tip \$17.85	RZ-T22-10R	RZ-T22-10D	RZ-T22-10F	Keel tips are great for rattlesnakes.		
	Pen \$40.20	RZ-F22-10R	RZ-F22-10D	RZ-F22-10F			

Realistic Full-Scale Tips all have a steel blade welded onto the tip. Larger sizes will require a higher heat setting and longer heat-up and cool-down time.

“Clark Schreibeis” Scaler (Series 23)

Designed by world-champion fish carver Clark Schreibeis and built exclusively by Razertip®. This tip is more of a “freehand” scale maker, allowing you to form raised scales of any size or shape. It takes a bit of practice to get the hang of this tip, but it is the most versatile freeform scaler you can get.



- ✓ RZ-TH23S \$8.45
- ✓ RZ-HD23S \$36.25

Scales formed with # RZ-23S tip.



Current pricing available at mapleandass.com

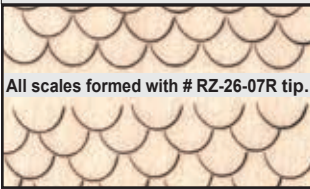
Scale Tips (continued)

“Sharp Outline” Tips (Series 26)

With each depression, the #26 tip forms a sharp “smile”. The fine line left in the surface makes quick, simple, effective and uniform scale outlines.



Available from 2mm to 14mm wide.



All scales formed with # RZ-26-07R tip.

Tip Width	Availability	Reg. Curve #	Deep Curve #	Flat Curve #
2mm	Tip \$10.95	RZ-T26-02R	RZ-T26-02D	RZ-T26-02F
	Pen \$34.40	RZ-F26-02R	RZ-F26-02D	RZ-F26-02F
3mm	Tip \$10.95	RZ-T26-03R	RZ-T26-03D	RZ-T26-03F
	Pen \$34.40	RZ-F26-03R	RZ-F26-03D	RZ-F26-03F
4mm	Tip \$10.95	RZ-T26-04R	RZ-T26-04D	RZ-T26-04F
	Pen \$34.40	RZ-F26-04R	RZ-F26-04D	RZ-F26-04F
5mm	Tip \$10.95	RZ-T26-05R	RZ-T26-05D	RZ-T26-05F
	Pen \$34.40	RZ-F26-05R	RZ-F26-05D	RZ-F26-05F
6mm	Tip \$10.95	RZ-T26-06R	RZ-T26-06D	RZ-T26-06F
	Pen \$34.40	RZ-F26-06R	RZ-F26-06D	RZ-F26-06F
7mm	Tip \$10.95	RZ-T26-07R	RZ-T26-07D	RZ-T26-07F
	Pen \$34.40	RZ-F26-07R	RZ-F26-07D	RZ-F26-07F
8mm	Tip \$10.95	RZ-T26-08R	RZ-T26-08D	RZ-T26-08F
	Pen \$34.40	RZ-F26-08R	RZ-F26-08D	RZ-F26-08F
9mm	Tip \$12.85	RZ-T26-09R	RZ-T26-09D	RZ-T26-09F
	Pen \$36.25	RZ-F26-09R	RZ-F26-09D	RZ-F26-09F
10mm	Tip \$12.85	RZ-T26-10R	RZ-T26-10D	RZ-T26v10F
	Pen \$36.25	RZ-F26-10R	RZ-F26-10D	RZ-F26-10F
11mm	Tip \$12.85	RZ-T26-11R	RZ-T26-11D	RZ-T26-11F
	Pen \$36.25	RZ-F26-11R	RZ-F26-11D	RZ-F26-11F
12mm	Tip \$12.85	RZ-T26-12R	RZ-T26-12D	RZ-T26-12F
	Pen \$36.25	RZ-F26-12R	RZ-F26-12D	RZ-F26-12F
13mm	Tip \$12.85	RZ-T26-13R	RZ-T26-13D	RZ-T26-13F
	Pen \$36.25	RZ-F26-13R	RZ-F26-13D	RZ-F26-13F
14mm	Tip \$12.85	RZ-T26-14R	RZ-T26-14D	RZ-T26-14F
	Pen \$36.25	RZ-F26-14R	RZ-F26-14D	RZ-F26-14F

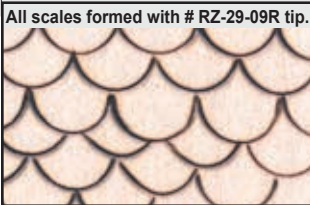
Series 26 tips are all formed from tip wire as shown above (left). They can be used to indicate scales as shown above (left). Leaving a bit of space between each scale when making the first row gives a more realistic scale pattern as shown on the lower half of the illustration above (the same technique works with Series 29 tips, too).

“Blunt Outline” Tips (Series 29)

With each depression, the #29 tip forms a blunt “smile”. Versatile, allows for slight variations in scale size. Our most durable and versatile scale tip.



Available from 2mm to 14mm wide.



All scales formed with # RZ-29-09R tip.

Tip Width	Availability	Reg. Curve #	Deep Curve #	Flat Curve #
2mm	Tip \$8.45	RZ-T29-02R	RZ-T29-02D	RZ-T29-02F
	Pen \$32.05	RZ-F29-02R	RZ-F29-02D	RZ-F29-02F
3mm	Tip \$8.45	RZ-T29-03R	RZ-T29-03D	RZ-T29-03F
	Pen \$32.05	RZ-F29-03R	RZ-F29-03D	RZ-F29-03F
4mm	Tip \$8.45	RZ-T29-04R	RZ-T29-04D	RZ-T29-04F
	Pen \$32.05	RZ-F29-04R	RZ-F29-04D	RZ-F29-04F
5mm	Tip \$8.45	RZ-T29-05R	RZ-T29-05D	RZ-T29-05F
	Pen \$32.05	RZ-F29-05R	RZ-F29-05D	RZ-F29-05F
6mm	Tip \$8.45	RZ-T29-06R	RZ-T29-06D	RZ-T29-06F
	Pen \$32.05	RZ-F29-06R	RZ-F29-06D	RZ-F29-06F
7mm	Tip \$8.45	RZ-T29-07R	RZ-T29-07D	RZ-T29-07F
	Pen \$32.05	RZ-F29-07R	RZ-F29-07D	RZ-F29-07F
8mm	Tip \$8.45	RZ-T29-08R	RZ-T29-08D	RZ-T29-08F
	Pen \$32.05	RZ-F29-08R	RZ-F29-08D	RZ-F29-08F
9mm	Tip \$8.45	RZ-T29-09R	RZ-T29-09D	RZ-T29-09F
	Pen \$32.05	RZ-F29-09R	RZ-F29-09D	RZ-F29-09F
10mm	Tip \$8.45	RZ-T29-10R	RZ-T29-10D	RZ-T29-10F
	Pen \$32.05	RZ-F29-10R	RZ-F29-10D	RZ-F29-10F
11mm	Tip \$8.45	RZ-T29-11R	RZ-T29-11D	RZ-T29-11F
	Pen \$32.05	RZ-F29-11R	RZ-F29-11D	RZ-F29-11F
12mm	Tip \$8.45	RZ-T29-12R	RZ-T29-12D	RZ-T29-12F
	Pen \$32.05	RZ-F29-12R	RZ-F29-12D	RZ-F29-12F
13mm	Tip \$8.45	RZ-T29-13R	RZ-T29-13D	RZ-T29-13F
	Pen \$32.05	RZ-F29-13R	RZ-F29-13D	RZ-F29-13F
14mm	Tip \$8.45	RZ-T29-14R	RZ-T29-14D	RZ-T29-14F
	Pen \$32.05	RZ-F29-14R	RZ-F29-14D	RZ-F29-14F

Series 29 tips are all formed from tip wire as shown above (left). They leave a heavier groove than Series 26 tips, but they have the ability to vary the depth, curve and width of the scale shape. The top two rows of scales above show uniform scale shape/size while the rows below show how variable the shape/size can be if desired.

All Tips Shown Actual Size.

Current pricing available at mapleandass.com

Tip sets are a convenient and economical way to try a variety of tip shapes. These sets have been designed for specific users (pyrographers, bird carvers, gourd artists, etc.), so selecting just the right tip assortment could not be easier! All tips will fit in the #BPH interchangeable-tip pen. We highly recommend that you get at least 2 BPH pens; this will make changing tips much easier because you'll never have to change tips in a hot pen.

Bird Carver's Micro 5-Tip Set

Contains 5 of our smallest fine detail tips (Skew #1S, Round #2S, Spear #5S, Chisel #6S and Round Skew #7S).



Standard Tips
✓RZ-SET5BC \$24.15

Heavy-Duty Tips
✓RZ-SETHD5BC \$26.25

Bird Carver's 8-Tip Set

Contains 8 of our most popular bird-carver's tips (Small Skew #1S, Medium Round #2M, Flat Skew #4M, Medium Spear #5M, Medium Chisel #6M, Large Round Skew #7L, Burnisher #8 and Writer #9).



Standard Tips
✓RZ-SET8 \$35.70



Heavy-Duty Tips
✓RZ-SETHD8 \$39.40

Pyrography 5 Tip Set

Contains Shader #TH30M, Writer #T9, Small Round #T2S, Small Spear #T5S and Transfer/ Shader #T73.07.



✓RZ-SET5PY
\$24.15

Gourd Artist 5 Tip Set

Contains Long Small Skew Cutter #TH1S-L, Gourd Cutter #T9G.17, Small HD Skew #TH1S, Small/Med Spear Shader #TH5MSP and 1/16" Ball Writer #T99.015.



✓RZ-SET5GD
\$24.15

Ball Tip Sets

Two "ball" tip sets: The small set of 5 includes 0.8mm(1/32"); 1.2mm(3/64"); 1.5mm(1/16"); 2.0mm(5/64"); and 2.3mm(3/32") tips. The larger set includes all 10 tips: the 5 above plus 0.4mm(1/64"); 3.0mm(1/8"); 3.9mm(5/32"); 4.7mm(3/16"); and 5.5mm(7/32") tips.



✓RZ-SET99X5
\$24.15

All Tips Shown Actual Size.



✓RZ-SET99X10
\$64.60

Other Sets Available:

Feather Former™ Sets ([pages 109-111](#))

Bead-Maker Tip Set ([page 103](#))

"Simkin" Split-Maker Sets ([page 98](#))

Current pricing available at mapleandass.com

Razertip's Exclusive Unconditional Warranty:

One year on fixed-tip pens and 90 days on interchangeable tips.

Imagine texturing a bird carving in minutes instead of hours! Razertip's revolutionary Feather Formers™ let you define a feather and burn the barb texture in seconds. They're easy to learn and easy to use. There are 63 different Feather Formers™ available from 40 lines per inch to 250 lines per inch.

Not only are Feather Formers™ faster to burn with, but painting a "Feather-Formed" surface is easier because the texture isn't too deep. You can easily paint accent marks at angles to the main texture, creating a very soft, natural look. Once your bird has been textured with Feather Formers™ you can come back with your regular pens to create stray barbs or splits as desired, or you can continue on with stoning techniques. The possibilities are endless!

Feather Former™ tips are made from wrapped wire that burns multiple lines on contact. Feather and hair textures of almost any type can be achieved by using the bent portions (corners) of the various tip shapes (skew, spear, chisel and round). Sets of 4 tips are available in each different coarseness. Tip sets are a great way to get started with Feather Formers™ as they will allow you to achieve whatever texture you want. If using interchangeable tips we recommend that you have at least 2 of our #BPH pens on hand. This allows you to spend less time changing tips and also should prevent the need to change tips in a hot pen.











Ridiculously Fine (RF)

They burn 250 lines per inch, much finer than anyone can burn with a single-point tip. Great for very small miniature carvings. Use with standard or HD cord.

Round Series RZ-52(RF)	Spear Series RZ-55(RF)	Chisel Series RZ-56(RF)	Skew Series RZ-57(RF)
 4mm RZ-TH52-04RF RZ-HD52-04RF	 4mm RZ-TH55-04RF RZ-HD55-04RF	 4mm RZ-TH56-04RF RZ-HD56-04RF	 4mm RZ-TH57-04RF RZ-HD57-04RF
Tip Set (One each of tips shown above) # RZ-SET4FFRF \$37.30			
Pen Set (One each of tips shown above, welded into HD pens) # RZ-SET4HD-FFRF \$143.35			
Also Available:			
 2mm Round RZ-TH52-02RF RZ-HD52-02RF	 3mm Round RZ-TH52-03RF RZ-HD52-03RF	Burned with #52.04RF Round Tip  Magnified 2X	
<i>All Tips Shown Actual Size</i>			
Individual Tips \$12.50 ea.		Pens \$39.30 ea.	

Extra-Fine (XF)

Burn 120 lines per inch, still finer than most people can burn with a single-point tip. Ideal for miniatures. Use with HD cord for best results.

Round Series RZ-52(XF)	Spear Series RZ-55(XF)	Chisel Series RZ-56(XF)	Skew Series RZ-57(XF)
 4mm RZ-TH52-04XF RZ-HD52-04XF	 4mm RZ-TH55-04XF RZ-HD55-04XF	 4mm RZ-TH56-04XF RZ-HD56-04XF	 4mm RZ-TH57-04XF RZ-HD57-04XF
Tip Set (One each of tips shown above) # SET4FFXF \$37.30			
Pen Set (One each of tips shown above, welded into HD pens) # SET4HD-FFXF \$143.35			
Also Available:			
 2mm Round RZ-TH52.02XF RZ-HD52.02XF	 5mm Round RZ-TH52.05XF RZ-HD52.05XF	 10mm Spear RZ-TH55.10XF RZ-HD55.10XF	Burned with #52.04XF Round Tip  Magnified 2X
 3mm Round RZ-TH52.03XF RZ-HD52.03XF	 6mm Round RZ-TH52.06XF RZ-HD52.06XF		
<i>All Tips Shown Actual Size</i>			
Individual Tips \$12.50 ea.		Pens \$39.30 ea.	

Frequently Asked Questions

How do I clean Feather Former™ tips?

Use a dense brass brush. Simply brush the tip clean - the tip can be hot or cold when being cleaned in this way.

**Fine
(F)**

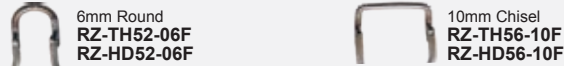
Burn 85 lines per inch. Fine tips are great for miniatures and very small birds such as Hummingbirds, Siskins, etc. Use with HD cord for best results.

Round Series RZ-52(F) **Spear Series RZ-55(F)** **Chisel Series RZ-56(F)** **Skew Series RZ-57(F)**



Tip Set (One each of tips shown above) **# SET4FFF \$37.30**
Pen Set (One each of tips shown above, welded into HD pens) **# SET4HD-FFF \$143.35**

Also Available:



Burned with #57-04F Skew Tip



Burned with #52-05F Round Tip



Individual Tips \$12.50 ea. Pens \$39.30 ea.

All Tips Shown Actual Size

**Medium
(M)**

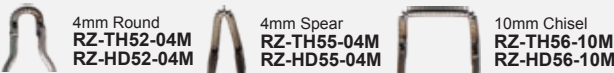
Burn 70 lines per inch. This is close to the lines per inch experienced carvers burn with a single-point tip. Medium tips can be used even on small birds and are ideal for many birds from sparrow size up. Can even be used on ducks if you want a fine detail finish on your duck. Use with HD cord for best results.

Round Series RZ-52(M) **Spear Series RZ-55(M)** **Chisel Series RZ-56(M)** **Skew Series RZ-57(M)**



Tip Set (One each of tips shown above) **# RZ-SET4FFM \$37.30**
Pen Set (One each of tips shown above, welded into HD pens) **# RZ-SET4HD-FFM \$143.35**

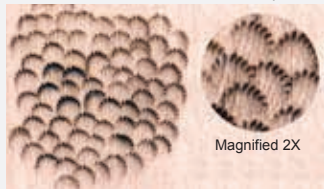
Also Available:



Burned with #55-10M Spear Tip



Burned with #52-04M Round Tip



Burned with #57 Skew Tips

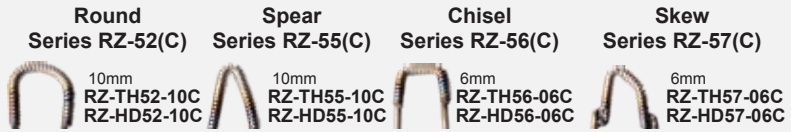


Individual Tips \$12.50 ea. Pens \$39.30 ea.

Feather Formers™ (continued) All Tips Shown Actual Size

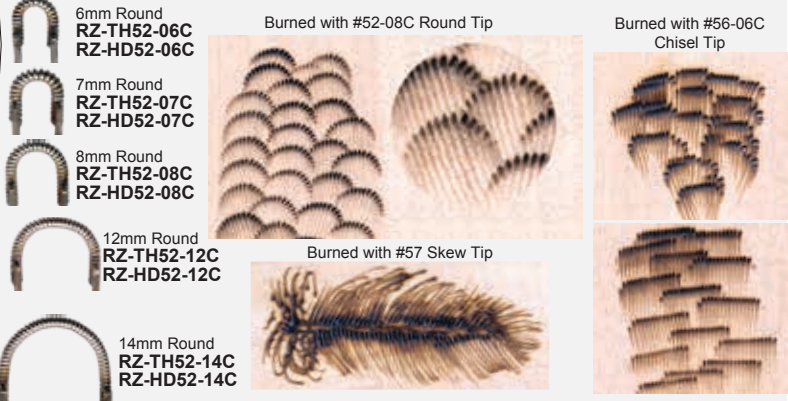
Coarse (C)

Burn 50 lines per inch. Coarse tips are very well-suited for larger birds (crow size) as well as most ducks. They take a bit longer than other Feather Formers™ to heat and to recover their heat. Should only be used with HD cord.



Tip Set (One each of tips shown above) # RZ-SET4FFC **\$37.30**
 Pen Set (One each of tips shown above, welded into HD pens) # RZ-SET4HD-FFC **\$143.35**

Also Available:



Individual Tips \$12.50 ea. Pens \$39.30 ea.

All Tips Shown Actual Size

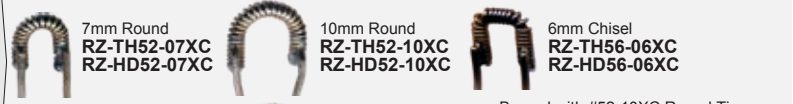
Extra-Coarse (XC)

Burn 40 lines per inch. Extra-Coarse tips are best suited for very large birds and birds with very coarse plumage (like herons, cranes etc.). Because of the large tip size they take longer to heat and to recover than other tips. HD cord is essential.



Tip Set (One each of tips shown above) # RZ-SET4FFXC **\$37.30**
 Pen Set (One each of tips shown above, welded into HD pens) # RZ-SET4HD-FFXC **\$143.35**

Also Available:



Individual Tips \$12.50 ea. Pens \$39.30 ea.

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