nside you will find a wide selection of high-Thank you for your interest in our products. quality products for building log furniture and log railing.





ENON CUTTERS PAGES 5 - 7

DRILLS AND BITS

PAGES 4 & 10

23296 Bosworth Lane Swan Lake, MT 59911





www.bosworthtools.com 406.886.2500

BUILD YOUR OWN LOG FURNITURE!



BOSWORTH TOOLS offers a wide variety of high-quality products for building log furniture and railing for yourself or to sell.



BOSWORTH TOOLS

406.886.2500 · www.bosworthtools.com

BOSWORTH TOOLS





"I saved thousands of dollars making my own log railing."

Builder, Illinois



Have you always wanted to build your own log or rustic furniture?

Handcrafted log furniture offers many homes a customized decorating alternative that has become very popular in many parts of the country. This industry is continuously growing and *YOU* can take advantage of this opportunity to participate in this rapidly growing market.

Unlike other types of fine furniture that require flawless construction and finishing techniques, the hand-crafted look of log furniture enhances the value and demand of these products.

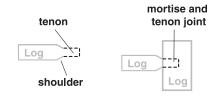
Safety is of foremost consideration in the design of our tools. We offer tools that hold the drill and log securely, so that hands are never close to spinning blades.

Its easy to get started. All you need is:

- ▶ Tenon Cutters
- ▶ Forstner Bits
- ▶ A Drill
- ▶ Bench Vise

Tenon Cutters

A tenon cutter cuts a tenon at the end of a log. That tenon then fits into a mortise hole on another log allowing connections to be made. **See pages 5 – 7**



Forstner Bits

A forstner bit cuts a mortise for the tenon. The mortise must be the same size as the diameter of the tenon. For example, a 2 1/2" diameter tenon will need a 2 1/2" mortise. *See pages 10*

A Drill

We recommend the Milwaukee Hole Hawg 1/2" drill for logs up to 4" and the Milwaukee 3/4" drill for anything larger. The 3/4" drill can be used on ANY size of log. **See page 4**

Bench Vise

It is important to secure the logs you are working with. It will not be possible for you to hold the log securely by hand! Attempting to do so may cause serious injury. We offer a clamp and carriage system that will hold both drill and log for greater security. See page 8

	Products	
4	Drills	
5	Barker Tenon Cutters NEW-TRIPLE	BLADES!
6	Tenon Cutters NEW-90° TENON	CUTTER
7	Custom Tenon Cutters NEW	SIZES
8	Barker Spindle Maker	
9	Draw Knifes	
9	Automatic Log Peeler NE	W
10–11	Drill Bits EXPANDED SELEC	TION
11	Furniture Building Classes	
12–13	Extra Value Kits SAVE MO	NEY
14	Plans & DVD	
14	Building Materials	
14	Rental Program	
14	Guarantee & Returns	
14	Shipping Policy	
15	Frequently Asked	

Questions

BOSWORTH TOOLS DRILLS



Hole Hawg 1/2" Drill

Model 1663-20. This variable speed drill offers 115 to 450 rpm, perfect for dialing in correct speeds for various materials. It also features electronics that enable the tool to maintain speed settings even under changing loads. A Quik-Lok cord is standard. Hi-torque and versatility makes this our premium offering. Includes drill and pipe handle. With just this drill and a tenon cutter you can be making your own log furniture or rails the first day. Recommended for working with logs UP TO 4" in diameter.

Super Hole Shooter Heavy-Duty Drill

Model 1854-1. A tool man's dream this drill has the most hand-held power available. It features 350 rpm with a 3/4" capacity chuck. Includes drill and pipe handle. Recommended for working with logs 4" OR LARGER.

How to read tenon sizes

The first number of a tenon cutter size is the diameter of the tenon it will cut.

The second number is the largest diameter log the cutter will accept.

Example: A 2" x 4 1/2" tenon cutter will cut a 2" tenon at the end of any log from 2" to 4 1/2" in diameter.

DRILL	OUR BEST VALUE PRICE	RETAIL PRICE
1/2" Milwaukee Drill	\$250	\$425
3/4" Milwaukee Drill	\$495	\$930

Shop and compare our price! We have the best price anywhere!

Prices subject to change without notice. For current pricing, call or visit our web site.



Industrial Grade Tenon Cutters

Barker Tenon Cutters Best Tenon Cutters Made!

The Barker Tenon Cutters are a heavy-duty design made of machined high-grade aluminum with two built-in bubble levels for precise tenons. Made in USA.

Blades are removable for sharpening or replacement. A single blade cutter will require less power from the drill to cut the stock but will take a few seconds longer to complete the cut. Both double and single blade cutters are same price. Triple blade tenon cutters are available for some sizes and are an additional \$50.

TENON CUTTER SIZE	MAX. LOG DIAMETER	ADJUSTABLE TENON LENGTH	BEST VALUE SALE PRICE	OFFERED WITH TRIPLE BLADES
3/4" x 2 1/2"	up to 2 1/2"	0" to 2"	\$350	\$400
1" x 3"	up to 3"	up to 2"	\$350	\$400
1 1/4" x 3 1/2"	up to 3 1/2"	up to 2"	\$375	_
1 1/2" x 4"	up to 4"	up to 2"	\$375	\$425
2" x 4 1/2"	up to 4 1/2"	up to 3 1/4"	\$375	\$425
2" x 5"	up to 5"	up to 3 1/2"	\$450	_
2 1/2" x 5"	up to 5"	up to 3 1/2"	\$450	_
2 9/16" x 5"	up to 5"	up to 3 1/2"	\$450	_
3" x 5 1/2"	up to 5 1/2"	up to 3 1/2"	\$475	_
3 5/8" x 6"	up to 6"	up to 3 1/2	\$525	_
4" x 6"	up to 6"	up to 3 1/2	\$550	_

Tenon Cutter heads fit 1/2" or 3/4" drills

Replacement Shafts: All sizes - \$20 each • **Replacement Blades**: All sizes - \$15 each; Case of 20 - \$200

BOSWORTH TOOLS TENON CUTTERS



Blue Ox Tenon Cutters

A heavy-duty steel cutter. A good choice for very high volume builders.

Northwest Tenon Cutter

A good lightweight tenon cutter made of cast high-grade aluminum. This tenon cutter is a double blade cutter only. We recommend a 3/4" drill for the 2" and 2 1/2" sizes.

Rodgers Tenon Cutter

A light weight tenon cutter made of cast high-grade aluminum. Ideal for the weekend woodworker. All tenon sizes require a 3/4" drill.

Tenon cutters above are available with double blades. Blades are removable for sharpening or replacement.

TENON CUTTER SIZE	MAX. LOG DIAMETER	MAX. TENON LENGTH	BLUE OX	NW	RODGERS
1" x 2 1/2"	up to 2 1/2"	up to 2 1/2"	\$395	\$425	\$370**
1 1/2" x 3 1/2"	up to 3 1/2"	up to 2 1/2"	\$425	\$445	\$370**
2" x 4 1/2"	up to 4 1/2"	up to 3 1/4"	\$495	\$490*	\$370**
2 1/2" x 5"	up to 5"	up to 3 1/4"	_	\$540*	_

Tenon Cutter heads fit 1/2" or 3/4" drills • * Recommend for use with 3/4" drill • ** Requires 3/4" drill • Replacement Shafts: All sizes — \$20 each • Replacement Blades: All sizes — \$15 each; Case of 20 — \$200

NEW Tenon Master 90 Degree Tenon Cutter



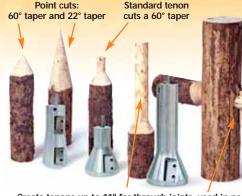
TENON CUTTER SIZE	MAX. LOG DIAMETER	ADJUSTABLE TENON LENGTH	OUR BEST VALUE PRICE
1" X 3 "	up to 3"	up to 2"	\$350
1 1/2" X 4"	up to 4"	up to 2"	\$375
2" X 4 1/2"	up to 4 1/2"	up to 3 1/4"	\$375

Tenon Cutter heads fit 1/2" or 3/4" drills • Replacement Shafts: All sizes — \$20 each • Replacement Blades: All sizes — \$15 each; Case of 20 — \$200

Prices subject to change without notice. For current pricing, call or visit our web site.

TENON CUTTERS BOSWORTH TOOLS





The 3 5/8" x 8" tenon cutter.

Create tenons up to 11" for through joints, used in peg construction. Create joints that become stronger with use.

Tenon Master Tenon Cutters

Heavy-duty design made of machined high-grade aluminum with two built-in bubble levels for precise tenons. These custom cutters produce unique tenon shapes, such as peg construction, adding strength and interest. Blades are removable for sharpening or replacement.

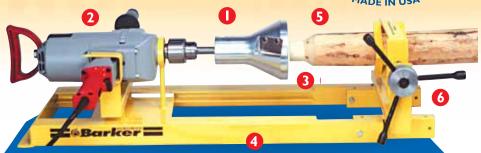
TENON CUTTER SIZE	MAX. LOG DIAMETER	MAX. TENON LENGTH	OUR BEST VALUE PRICE
22° Point Cutter	up to 3"	point	\$400
60° Point Cutter	up to 4 1/2"	point	\$400
1 1/2" x 4" x 8" Long Cutter	up to 4"	up to 8"	\$475
1 1/2" x 4" x 11" Long Cutter	up to 4"	up to 11"	\$525
2" x 4 1/2" x 8" Long Cutter	up to 4 1/2"	up to 8"	\$475
2" x 4 1/2" x 11" Long Cutter	up to 4 1/2"	up to 11"	\$525
2 9/16" x 5" x 8" Long Cutter	up to 5"	up to 8"	\$550
2 9/16" x 5" x 11" Long Cutter	up to 5"	up to 11"	\$600
1 1/2" x 6"	up to 6"	up to 2"	\$600
2" x 6"	up to 6"	up to 3 1/4"	\$600
Large Cutter 1" x 8"	up to 8"	up to 2"	\$700
Large Cutter 1 1/2" x 8"	up to 8"	up to 2"	\$700
Large Cutter 2" x 8"	up to 8"	up to 3 1/4"	\$700
Large Cutter 3" x 8"	up to 8"	up to 3 1/4"	\$700
Large Cutter 3 5/8" x 8" (shown above	e) up to 8"	up to 3 1/2"	\$700
Large Cutter 4 5/8" x 8"	up to 8"	up to 3 1/2"	\$700

If you don't see what you need, give us a call.

We can find or build custom tools to fit your needs. Call for details.

BOSWORTH TOOLS SPINDLE MAKER





Barker Spindle Maker/Tenon Cutter

Slide Base

The Slide Base holds the drill in place for tenon cutting. The base rails provide an even guide for sliding the drill over the log end for tenon cutting. Welded steel



construction with teflon slides and super tough finish. Portable.

Log Clamp

The self-centering Log Clamp holds your log securely in place, without marring,



while the drill cuts the tenon. Welded steel construction with teflon slides and a super tough finish. Portable.

Clamp and Carriage System

Precision Cutting Machine Package (*Slide Base and Log Clamp*) — The Slide Base combined with the Log Clamp creates a safe and secure system for cutting consistently level, measured tenons. Specifically built to accommodate Milwaukee drills, 1/2", 3/4" or both. For home or industrial use. Made in USA.

PRODUCT	PRICE
Slide Base	\$225
Log Clamp	\$350
Clamp and Carriage System for 1/2" Milwaukee Model 1663-20	\$569
Clamp and Carriage System for 3/4" Milwaukee Model 1854-1	\$569
Clamp and Carriage System for both 1/2" and 3/4" Milwaukee Drills	\$600

- **1 EASY TO USE** Attach the cutter head, clamp down the stock, start the drill and push forward towards the stock. Slide the drill back and you're done in five to ten seconds.
- **2 PORTABLE** Fits into the trunk of any standard car making it easy to transport to the job site or another location within your shop.
- **3 FAST, ACCURATE** Perfect tapered end cuts in a matter of seconds.
- **4 DURABLE** Welded steel frame with machined parts and bushings. Built to stand up to constant industrial use.
- **5 CONSISTENT, TIGHT FITTING JOINTS**The carriage system assures a precise, level cut every time.
- **6 SAFE TO USE** Your hands are on the drill, safely away from any of the spinning cutter heads.

Prices subject to change without notice. For current pricing, call or visit our web site.



LOG SKINNING BOSWORTH TOOLS



Draw Knifes

Barker Adjustable

Only draw knife on the market with 4-way adjustable handles with foam grips for ultimate comfort and efficiency. The blade angle is adjustable for easy sharpening. cleaning or replacement, making it the last draw knife you'll ever have to buy. Machined aluminum and stainless steel hardware. High carbon steel replacement blades available. Made in USA.

Traditional Draw Knife

Traditional 13" Drawknife

Heavy duty design with wood handles. Comes with a 13 1/2" blade and a rubber sheath blade cover.

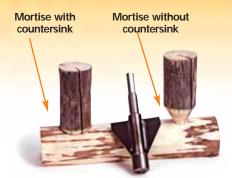
KNIFE	SIZE	PRICE	REPLACEMENT BLADES	CASE OF 8 BLADES
Barker Adjustable	10"	\$149	\$25	\$150
Barker Adjustable	12"	\$159	\$25	\$150
Traditional	13"	\$80		



Automatic Log Peeler

Three-bladed German style disks give you a great hand-peeled look in seconds — without all the hard work of a draw knife. The blades strike the log length-wise like a draw knife, so it doesn't leave unsightly bumps that you get using a log wizard or an electric planer. Other German style peelers sell for over \$5,000. Build your own and save!

DISK	PRICE
Automatic Log Peeler	\$400



Taper Countersink Bits





Drill Bits

Taper Countersink Bits

Cut a tapered funnel shape from your mortise hole to allow the tapered end of the tenon to fit flush inside the connecting log. The result is a tighter, stronger fit in furniture or railing and a more finished look.

Milwaukee Self Feeding Bits

Furniture builders use Self feed Bits for drilling large holes in wood. The inside cutting plane shaves the hole radius for clean smooth holes. A removable, replaceable feed screw draws the bit into

the gummiest of woods effortlessly. Coated with a rust inhibitor.

Forstner Drill Bits

Steel bits with teeth that are a skewed shear-cut design to prevent fiber pull and to give clean holes. Slightly sloped chipping bevels allow bits to ride a shallow cone of wood to keep them boring straight. Bits have been finished with extra-fine grinding wheels to reduce friction. These are a great value.

BIT SIZE	TAPER COUNTERSINKS	MILWAUKEE SELF FEEDING*	FORSTNER BITS
3/4"	\$88	\$10 (Spade	Bit) \$6
1"	\$88	\$30	\$7
1 1/4"	\$88	\$30	\$10
1 1/2"	\$88	\$30	\$10
2"	\$88	\$35	\$12
2 1/2"	\$99	_	\$20
2 9/16"	\$99	\$40	\$20
3"	\$99	\$90	\$25
3 5/8"	_	\$120	\$33
4 5/8"	_	\$135	_
5 1/2" Forstner Bit Extension	n –	\$15	_

Fits 1/2" drill or larger

Prices subject to change without notice. For current pricing, call or visit our web site.

"Great quality at the best price I've found anywhere."

Woodworker, Arkansas



Forstner Drill Bits

Forstner bits give you smooth, flat-bottomed and clean-sided mortise holes in most materials. They bore pocket holes, partial arcs and end grain holes. Recommended for building log furniture and railing.

	FORSTNER KITS
16 pc	1/4", 3/8", 1/2", 5/8", \$60
	3/4", 7/8", 1", 1 1/8",
	1 1/4", 1 3/8", 1 1/2",
	1 5/8", 1 3/4", 1 7/8",
	2", 2 1/8"

8 pc Large Bit: 2 1/4", 2 3/8", \$90 2 1/2", 2 5/8", 2 3/4", 2 7/8", 3", 3 1/8"

New Service

Log Furniture and Railing Building Classes

Looking increase your skills? Want to improve the quality of your work? These courses have been developed to cover basic skills for beginners and more advance building techniques to help an experienced builder develop more productive skills. Classes are kept to a maximum of six people to insure personal attention. Held quarterly in Bigfork, MT. Please call for more information and a schedule.

BEGINNER CLASS

Basic furniture/log railing including:

- log selection and sizing
- peeling procedures, strip and clean peel techniques
- · basic tenon cutter and equipment use
- core requirements and railing spacing procedures explained
- · assembly and installation on-site

INTERMEDIATE FURNITURE BUILDING

Furniture building techniques including:

- · learning the hand scribed method
- · sanding and finishing techniques

ADVANCED FURNITURE BUILDING

Furniture building techniques including:

 learning the non-typical and wind swept techniques and approach to the exclusive high-end home furnishings.

EXTRA VALUE KITS BOSWORTH TOOLS

"After using my first Barker Tenon Cutter to build a chair, I loved it so much, I bought the Pro Tenon Kit. These cutters are easy to use and produce beautiful results."

Furniture Builder, Tennessee

Kits Save You Time and Money



Starter Kit Essentials \$599

The basic tools you need to start building log furniture. Great standard size for beds, railing, sofas and other standard log furniture pieces.

Includes your choice of either a 1", 1 1/2" or 2" Barker Tenon Cutter, extra blades, Forstner bit, Tapered Countersink, 13" Drawknife*, Log Furniture Plan Book and a Demo DVD*. A \$624 value!



\$1,599 Starter Kit Deluxe

Contains everything listed above in the Starter Kit with the addition of a Slide System and 3/4" Milwaukee Drill (Model 1854-1).

Includes a 2" Barker Tenon Cutter, extra Blades, Forstner bit, Tapered Countersink, 13" Drawknife*, Slide System, 3/4" Drill, Log Furniture Plan Book and a Demo DVD*. A \$1650 value!



Contractors Kit Essentials \$1,499

Contains the three key size tenon cutters you need to get started building log furniture, including small-, medium- and large-sized Barker Tenon Cutters, to work with log sizes ranging from 3/4" to 5 1/2" in diameter.

Includes 3/4", 1 1/2", and 3" Barker Tenon Cutters, extra Blades, 3 Forstner bits, 3 Tapered Countersinks, a 13" Drawknife*, Log Furniture Plan Book and a Demo DVD*. A \$1556 value!

All Deluxe Kits include the Barker Spindle Maker. See page 8 for product details.



*All packages that include a drawknife ship with the Traditional 13" drawknife.

Packages that include a plan book and demo DVD will ship with the most current material available (subject to change without notice).

Prices subject to change without notice. For current pricing, call or visit our web site.

Contractors Kit Deluxe \$2,499

Contains everything listed in the Contractors Kit Essentials with the addition of a Slide System and 3/4" Milwaukee Drill (Model 1854-1).

Includes 3/4", 1 1/2", and 3" Barker Tenon Cutters, extra blades, 3 Forstner bits, 3 Tapered Countersinks, 13" Drawknife*, Slide System, 3/4" Drill, Log Furniture Plan Book and a Demo DVD*. A \$2,585 value!



Pro Tenon Kit

\$1,999

You'll have a better set of tools than most professional log furniture shops are using today, enabling you to build any log furniture and railing.

Includes 3/4", 1", 1 1/2", 2", 2 9/16" and 3" size Barker Tenon Cutters. A \$2,375 value!



Professional Kit Essentials \$2,798

Includes everything you need to build log furniture and railing projects. You'll be able to work with most any size logs to build beds, sofas, hand railing or custom furniture. Includes 3/4", 1", 1 1/2", 2", 2 9/16" and 3"

size Barker Tenon Cutters, 6 Forstner Bit sizes. 6 Tapered Countersink sizes, a 13" Drawknife*, Log Furniture Plan Book and a Demo DVD*. A \$3580 value!



Professional Kit Deluxe \$3,798

Have a better set-up than most professional log furniture builders! Contains everything listed in the Professional Kit Essentials with the addition of a Slide System and 3/4" Milwaukee Drill (Model 1854-1).

Includes 3/4", 1", 1 1/2", 2", 2 9/16" and 3" size Barker Tenon Cutters, 6 Forstner Bit sizes, 6 Tapered Countersink sizes, a 13" Drawknife*, Slide System, 3/4" Drill, Log Furniture Plan Book and a Demo DVD*. A \$4600 value!

Plans and DVD Set of 7 step-by-step plans



How to build log beds, benches, sofas, coffee tables, love seats, end tables and bunk beds. \$14.95 + 4.05 \$&H

Demo DVD. Shows how to use our tenon cutters and tools with an overview of how to build a log bed. \$9.95 + 4.05 S&H **Both DVD and plans** *Only \$19.95* plus 4.05 S&H

TWO EASY WAYS
TO ORDER

By phone: **406.886.2500**Online: www.bosworthtools.com

Building Materials

Unpeeled Montana lodgepole pine logs are offered at a special price for high schools. Also available, tabletop slabs, fireplace mantels, twisted character and catface logs. Call for a complete list and pricing.

Rental Program

For the builder who wants to do short or one-time projects we have a tool rental program. There is a 2 week minimum. At the time of rental, we charge your credit card the complete cost of the tools. Upon return of the tools, we credit your card for the price of the tool minus the rental cost. The customer pays for initial shipping to themselves. Sizes available: 3/4" x 2 1/2"; 1" x 3"; 1 1/2" x 4"; 2" x 4 1/2"; 2 1/2" x 5"; 3" x 5 1/2"; 3 5/8" x 6". Rental Rates: \$100 for the first 2 Weeks; \$10 per day after the first 2 weeks. Sizes and rates are subject to change. For complete policy details, call

406.886.2500 or visit www.bosworthtools.com.

Guarantee & Returns

All of our products come with our 100% satisfaction guarantee. If you are not completely satisfied with your order when it arrives, we'll refund your money or exchange any item. Please call us and we will arrange the return. COD's are not accepted. Send Returns and Exchanges to: Bosworth Tools, 23296 Bosworth Lane. Swan Lake. MT 59911

If the package was damaged in shipment, or was drop shipped directly from the manufacturer, please call Customer Service at 1.406.886.2500 or contact us by e-mail at info@bosworthtools.com before returning. Some products we sell are covered by a manufacturer's warranty that requires items to be sent directly to the manufacturer for replacement or repair.

If we make a mistake on your order, your return surface shipping will be reimbursed.

Shipping Policy

We ship via UPS ground unless otherwise requested. Please expect 7-10 days for delivery. Alaska, Hawaii, Canada and other non-US orders can expect a longer delivery period.

In stock items ship promptly, usually the same day.

Out of stock items will be back ordered, and customers will be contacted with the expected date of shipment.

Prices subject to change without notice. For current pricing, call or visit our web site.

Frequently Asked Questions

What size tenon cutter do you need?

For most furniture and railing a 1 1/2" or 2" tenon cutter is ideal. For smaller projects like lamps or coat racks, the 3/4" and 1" tenon cutters work well. For larger projects, consider the size of the logs you will be using. If you are using large logs, 5" or 6" in diameter, use larger sized tenon cutters, 2 9/16" or 3 x 5 1/2", for example.

Can you put smaller logs into a tenon cutter?

Tenon cutters will accommodate any log smaller than the wide end of the tenon cutter. So If you have a 2 x 4 1/2" tenon cutter, you can use any log with a diameter up to 4 1/2". So logs 2 1/2", 3" or 4" in diameter will all fit.

How often should blades be changed?

Depending on use, you should get hundreds of cuts before needing to resharpen or replace the blades. Using only dry stock that is free of dirt and debris will help keep blades sharp.

What size drill is needed?

We sell Milwaukee Drills because we have worked with them and know they will do the job. We recommend a 1/2" drill for logs up to 4" and a 3/4" drill for anything larger. We offer a clamp and carriage system that will hold both drill and log securely. Specifically built to accommodate Milwaukee drills, 1/2", 3/4" or both.

Where to get logs?

Most people use wood that is common in their area. Oak, cherry, ash, pine and spruce are a few types commonly used by log furniture builders.

Chairs, beds and other furniture will require logs at least 2 1/2" diameter. Many people use logs between 3" and 5" for these types of projects. Bed posts will generally range in size from 4" to 8".

Lamps, shelves, coat racks and other non-weight bearing projects can utilize any size logs.

Is dryness important?

Using dry logs is especially important in making furniture or railing. Wood shrinks as it drys, so using green wood may causing joints to become loose as the wood drys. To avoid this problem, wood should be at a dryness level of about 15%.

How to determining if wood is dry.

Lift a log and if it feels light for its diameter and size then it is probably dry enough.

Where do I find logs?

Here are some sources that we suggest.

- ▶ Bosworth Tools. See page 14 or visit our web site at bosworthtools.com
- ▶ A local lumber yard
- Check yellow pages or local paper for firewood cutters or tree removal
- National or State Forest request permit to cut logs
- Private individual may have standing dead on their property and may allow you to cut them. ALWAYS GET PERMISSION FROM THE LAND OWNER FIRST!