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Hults Bruk & Gränsfors
Axes, Hatchets, & More
Alaska Forge Black Iron
Kupilka Dishware
Winter Shipping*

**SCHROEDER
LOG HOME SUPPLY, INC.**
Grand Rapids, MN

Log Core

Inside Log Help For Those Into Log Buildings

WHAT'S THE R-VALUE OF A LOG WALL?



Wood has a thermal transmission factor, called k. It is used in calculations to generate the R-value of an assembly, but only certified insulation products have specific R-values. The U.S. Department of Energy (DOE) rates an Eastern White Pine log at R-1.42 per inch which might mean an 8" log would be R-11.4, but that's not the whole story.

Home Energy Raters do not take into account the thermal mass value of a solid wood assembly.

The DOE has issued a grant to Oak Ridge National Laboratory (ORNL) and the International Mass Timber Alliance (IMTA) to research the energy conserving properties of mass timber. Mass timber can be solid wood like logs and timbers, or laminated wood like glue-lam beams and cross-laminated timber panels.

Work done at the ORNL in Tennessee has proven the following:

A 7" thick mass timber wall is 22% more efficient than a stick built structure with R-19 insulation.

Improved thermal comfort with thermal mass (up to 46% fewer uncomfortable hours due to convective air flow). Thermal comfort is the condition of mind that expresses subjective satisfaction with the thermal environment.

- Lightweight assemblies (stick built structures) respond over a short time to temperature changes both inside and outside.

- Mass assemblies (Log, concrete, brick) respond slowly to changes not only in temperature, but relative humidity. Since mass absorbs and radiates heat and humidity, it tempers the indoor environment.

Peak demand was up to 50% lower with mass wood depending on the month and location.

An example of peak demand is everyone coming home from work at the same time and turning the air conditioning on.

IMTA efforts are continuing as they are building three pairs of 3-meter cubes, one stick built and one of mass timber. A pair of cubes are set up in Tennessee with more in Texas, and Colorado to replicate a more operational environment.

Over a 2-year period, constant temperature monitoring will take place. The data from these cubes will be used to prove the computer simulations used to design the cubes. The simulations will then be used to generate new thermal codes for mass timber walls.

Help build a future for log, timber, and mass wood by following and supporting the efforts of IMTA at: imtimberalliance.org

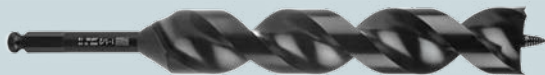


DID YOU KNOW?



There is a set of standards for minimum design requirements of log structures:
ICC 400

NEW TOOL TALK:



HOLZMASTER DOUBLE-CUT DRILL BITS

They need literally half the horsepower of a drill, because Double-Cut auger bits produce smaller, shorter wood chips, are teflon coated, and promote easy exit. Try it on the driest of cedar or even into the end-grain and be prepared for a surprise. Shank size 1/2" (7/16" hex), fits 1/2" chuck. [Made in Japan.](#)

Ultra Smooth cuts fast and leaves a clean, true hole.



Recommended for clean wood.

... versus other auger bits.



Size	Item Code	Price
1" x 24"	T217-7830-1X24	\$103.00
1 1/4" x 24"	T217-7833-1-25X24	\$127.00
1 1/2" x 24"	T217-7835-1-5X24	\$164.00



TIMBER TOOLS 18" DRILL BIT EXTENSION

Works with HolzMaster Drill Bits. [Made in Japan.](#)

T217-5306-18 \$146.99

[Order Online](#)



LUMBERJACK COUNTERSINK BIT SET

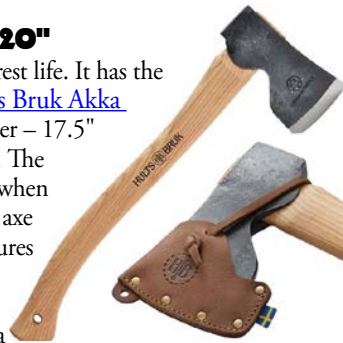
For use ONLY with Commercial & Industrial Series Tools

Hide the shoulder profile on your 60° tapered shoulder tenons with the Lumberjack Tools Countersink Bit Set. This tool is used to cut a countersink profile in a mortise hole. The result is a refined tenon joint for a clean-looking log furniture project. Can be used with a hand drill and does not require a drill press. Kit includes: Countersink, blade, screws, and wrenches, 1", 1 1/2", and 2" bushings. [Made in the USA.](#) T120-CSK4000 \$169.00

[Order Online](#)

HULTS BRUK SPIKA AXE 20"

The perfect all-purpose axe for the forest life. It has the same 1 1/2 lb. type of head as the [Hults Bruk Akka Forester's axe](#), but the handle is shorter – 17.5" long – making the axe more portable. The shorter handle also makes it versatile when you want to be able to work with the axe closer to the body. The Spika axe features a well-balanced head, making it ideal for precision work like carving, whittling, and building shelters. The Spika includes the new design leather sheath with attachment hole for use with the axe sling (sold separately). [Made in Sweden.](#) T089-840771 \$199.99



[Order Online](#)

HULTS BRUK LEATHER AXE SLING

For carrying your axe on your back, perfect when you don't want to carry a backpack. The axe sling is between 1-2" in width. It is extra wide over the shoulder to distribute the weight and comfort. One end attaches to the hole in the handle via an extra leather strap (included), the other end is attached to the newly designed axe sheath (currently only works with the Spika Axe & sheath). [Made in Sweden.](#)



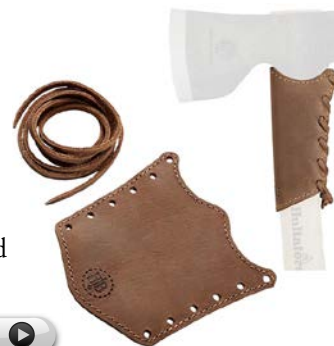
[Order Online](#)

T089-840796 \$49.00

HULTS BRUK AXE OVERSTRIKE GUARD

4 3/4" long leather strike guard that protects the handle closest to the axe head in the event of an overstrike. The guard (also known as a handle protector or an axe collar) is tied around the handle using the included leather cords. [Made in Sweden.](#)

T089-840793 \$27.00



[Order Online](#)

DID YOU KNOW?

Q8 Log Oil Can Be Applied in Colder Temps?

[Q8 Log Oil](#) can be applied during a wide range of weather conditions. Wet or cold logs/wood will not absorb as much product as dry/warm ones. Below 50°F, it will become too thick to pump through a pump sprayer and may require hand brushing. Streaking of pigment may result if wood is exposed to rain within 36 hours of treatment. Simply re-spray the surface with more product, let it sit for 15 minutes, and smooth out any streaks with a stiff paintbrush.



AXES AND HATCHETS



GRÄNSFORS BRUKS

A family of high quality Swedish hand forged tools with a 20-year guarantee. Each axe comes with a grain-leather sheath.



GRANSFORS HAND HATCHET

The distinguishing feature is its short handle relative to the size of its head. It is extremely practical to carry in your rucksack on forest walks, or to keep in the car as it takes up very little space. The shape of the sheath, which covers the edge and the top part of the poll, also stops the axe head cutting into your rucksack. An excellent scouting and camping axe. Despite its short handle, it can fell small trees, limbing, and splitting kindling and firewood. 9.45" long and weighs 1.32 lbs. T074-480413 **\$190.00**

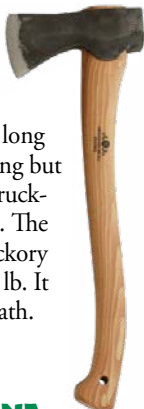
SMALL HATCHET

Cliff Jacobson, *Tactical Knives Magazine* writes: "It will fillet a fish, skin a moose, ... pound tent stakes and chop vegetables. And it will ride as lightly on your hip as the average hunting knife." 10" long and weighs 11 ounces. T074-480410 **\$183.00**



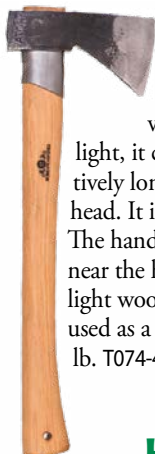
SMALL FOREST AXE

Same size as the Hunter's Axe but a more traditional pattern and poll, or butt. The handle is long enough to allow powerful chopping but not too long so it will fit into a rucksack, the back of a car, or a boat. The axe has a 3 1/4" face and a 19" hickory handle and the head weighs 1 1/2 lb. It comes with a grain-leather sheath. T074-480420 **\$210.00**



CERAMIC GRINDING STONE

A man-made sharpening stone with two grinding faces: a coarse side (180 grit) for repairing damage and heavy wear, and a fine side (600 grit) for sharpening axes. T074-4034 **\$58.00**



GRANSFORS OUTDOOR AXE

Developed with the help of survival expert Lars Fält. Although light, it can fell a tree, thanks to its relatively long handle and heavy, elongated head. It is also excellent for limbing a tree. The handle has a protective steel collar near the head so that it can be used for light wood splitting tasks and can also be used as a large knife. 14.5" long, weighs 1 lb. T074-480425 **\$223.00**

LARGE CARVING AXE



For hewing bowls and other wooden objects, artistic carving and architectural work, as well as for log work. Developed in collaboration with master craftsmen [Wille Sundqvist](#) and Onni Linnanheimo, with inspiration from old designs. 4 1/3" face, 2 lb. head, and a 14" hickory handle. T074-480475 **\$264.00**



HALDER HAND AXE

Robust all-metal design made from special heat-treated steel forged in one piece and finely ground and polished. The blade is carefully hardened and ground to sharpness. The hand-made, anti-slip leather handle absorbs moisture and releases it again when the work is done. Over time, it will fit the shape of the hand. Weighing 2.2 lbs with a length of 16", it is perfectly balanced for optimum handling. High-quality leather sheath. [Made in Germany.](#) **Hand Axe \$159.99**
Hand Axe & Gift Box \$169.99

AXE WAX

Based on an antique recipe, the wax blend brings ancient ingredients into the modern world. Axe Wax dries fast, is completely natural and food-safe, and provides excellent resistance to water. Axe Wax provides unparalleled protection for leather, steel, and wood. [Made in the USA.](#) **2 oz. AXEWAX \$22.00**



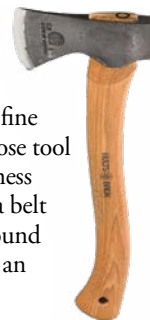
HULTS BRUK

Originally founded in 1697 in the Hulta Valley of southeastern Sweden. Quality hand forged, each axe comes with a grain-leather sheath and hickory handle.

HULTS BRUK ALMIKE HATCHET

A perfect size for camping, cutting small firewood, and fine carving. A life long all-purpose tool for garden, camp, or wilderness survival. It can be worn on a belt or tucked in a pack. One pound head and a 16" handle with an overall weight of 1 3/4 lbs.

T089-H840702 **\$199.00**
Replacement Handle T089-H840702H **\$36.99**
Replacement Sheath T089-H840762S **\$28.99**



HULTS BRUK JONAKER

Ideal for your pack or belt for tasks such as making kindling, doing light clearing, and for any number of back-country jobs. It has a 1 lb. axe head and a 9.4" handle; overall weight is 1 1/2 lbs.

T089-H840762 **\$189.00**
Replacement Handle T089-H840762H **\$36.99**
Replacement Sheath T089-H840762S **\$28.99**



HULTS BRUK KISA FELLING AXE

A compact axe with a head weight of 2 lbs. and a handle length of 26". Comparable to the Gransfors bruks Scandinavian Forest axe. Great for hunting and camping.

T089-H840722 **\$209.00**
Replacement Handle T089-H840722H **\$39.99**
Replacement Sheath T089-H840712S **\$28.99**



See These Axes Online!

NEW

TOOL TALK: HULTS BRUK LEATHER

HULTS BRUK LEATHER BELT

A timeless accessory made from vegetable-tanned leather that matches Hults Bruk's premium axe sheaths and other accessories. It is 1½" wide and features a sturdy buckle with an antique brass finish. The buckle can be unscrewed, allowing you to shorten the belt to any desired length. Two sizes available. [Made in Sweden.](#)

37" T089-840797 **\$54.00**

45" T089-840798 **\$59.00**



[Order Online](#)

HULTS BRUK LEATHER AXE HOLSTER

lets you carry your hatchet with you in your belt and always have it close and ready to use. 5¼" tall and can accommodate Hults Bruk and Gransfors axes and hatches (even the big double bit [Motala](#)). Fits belt widths up to 2" and a perfect companion to the Hults Bruk belt. Remember to always have the axe sheath on when carrying the axe in the holster. [Made in Sweden.](#) T089-840795 **\$29.00**



[Order Online](#)

[See More New Products Online!](#)



ALASKA FORGE BLACK IRON HARDWARE

BEAR



WOLF



MOOSE



HORIZONTAL



BEAR



WOLF



VERTICAL

MOOSE

BEAR & WOLF TRACK CABINET PULLS

4¼" x 1"; horizontal or vertical.

Bear Horizontal or Vertical \$11.00 each

Moose Horizontal or Vertical \$11.00 each

Wolf Horizontal or Vertical \$11.00 each

[Order Online](#)



Coat Hooks: Bear Head Left or Right \$19.99 each

Dog Droopy Ears or Flyaway Ears \$27.50 each

Fish Tail Left or Right \$11.00 each

Moose Head or Ram Head \$27.50 each

[Order Online](#)



BATH TISSUE, PAPER TOWEL, & TOWEL BARS

Bath Tissue Holders: 6" H x 5¾" W. Projects 3" from the wall. Choose left or right (right shown). **Heart Left H320-BH17L**

\$19.00 each

Heart Right H320-BH17R \$19.00 each

Leaf Left H320-BH16L \$19.00 each

Leaf Right H320-BH16R \$19.00 each

Moose Left H320-BH18LW \$30.08 each

Moose Right H320-BH18RW \$30.08 each

Ram Left H320-BH19LC \$30.08 each

Ram Right H320-BH19RC \$30.08 each

[Order Online](#)

Paper Towel Holders: 6" H x 15" W. Projects 3½" from the wall. Choose left or right (right shown).

Heart Left H320-BH07L \$19.99 each

Heart Right H320-BH07R \$19.99 each

Leaf Left H320-BH06L \$19.99 each

Leaf Right H320-BH06R \$19.99 each

Moose Left H320-BH08LW \$28.99 each

Moose Right H320-BH08RW \$28.99 each

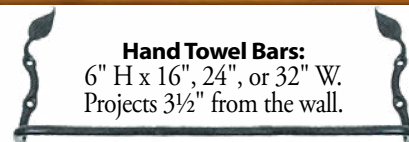
Ram Left H320-BH09LC \$28.99 each

Ram Right H320-BH09RC \$28.99 each

[Order Online](#)

SEE MORE ALASKA FORGE HARDWARE ONLINE: WWW.LOGHELP.COM

[See More Online](#)



Hand Towel Bars:

6" H x 16", 24", or 32" W. Projects 3½" from the wall.

16" Heart or Leaf \$26.00 each

24" Heart or Leaf \$28.00 each

24" Moose or Ram \$49.99 each

32" Heart or Leaf \$34.00 each

[Order Online](#)



LEAF DOOR PULLS:

Large 14" Left or Right \$42.00

Small 9½" Left or Right \$22.00

[Order Online](#)

LEAF KNICK KNACK HOOK

Approximately 6" tall. Extends 3". **H320-OH01 \$11.00 each**

[Order Online](#)



VINE & LEAF DOOR SWING BAR LATCH

Approximately 8" tall and 5¾" wide; extends out about 1½". **H320-DL01 \$39.99**

[Order Online](#)

Merry Christmas!



CALENDAR:

Christmas	Dec. 24th - 25th	Offices Closed
New Year's	Dec. 31st - Jan 1st	Offices Closed
Daylight Saving Time	March 9th	Clocks Ahead

TO PLACE AN ORDER:

Call Toll Free: 1-800-359-6614 or order online:
www.loghelp.com Fax Toll Free: 1-800-755-3249

SCHROEDER LOG HOME SUPPLY, Inc.
 1101 SE 7th Ave Grand Rapids, MN 55744

BUSINESS HOURS:

MAY - OCT: Weekdays 8:00 - 4:30 p.m. CST (Saturdays by appointment).

NOV - APRIL: Weekdays 8:00 - 4:30 p.m. CST (Closed Saturdays).

If traveling long distances - Please Call Ahead



RESTORATION SPECIAL



We are often asked how to restore rotten logs. We suggest [The Log Home Maintenance Guide](#). It reveals tips and tricks for using wood epoxies for log home restoration. To help you get started with your restoration project, we now offer a 15% Discount off *The Log Home Maintenance Guide* when you buy any wood epoxy products like [LiquidWood](#), [WoodEpoxy](#), [M-Balm](#), [E-Wood](#), or the [Wood Restoration Kit](#) and this book. If you call in your order, just ask for the "Restoration Special". If you order online, your discount will be applied after we receive your order. Offer good for one book per order.

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KUPIILKA 37: 2-IN-1 DRINKING CUP The ecological dishware can withstand boiling hot water and sub-zero temps as cold as -22°F. Wash by hand or by dishwasher, they're made from bio-material using EKOenergy, and each item ages beautifully, yet keeping its qualities. You can check how fresh the product is from its wooden scent – the stronger the scent, the newer the product! To ensure longevity, do not put in the microwave, stove, or open fire. At the end of their life span, the products can be recycled, incinerated for heat energy or returned to the manufacturer for re-use. 12.5 fl oz • Weight 4.7 oz • Height 2.9", Width 4.4", Length 7.9". The 37 is great for soup or oatmeal, as well as a that big cup of coffee. **Made in Finland. \$24.00 each**

[Order Online](#)



The **Scandinavian Outdoor Hardware Accessories Award** is a testimony of outstanding quality, functionality, and Scandinavian design. An international jury consisting of the most influential outdoor journalists and product experts has declared this product to be one of the finest Scandinavian products currently on the market.

KUPIILKA 21: CLASSIC DRINKING CUP

Includes teaspoon of the same material. 7.10 fl oz • Weight 2.93 oz • Height 2.36" x Width 3.66" x Length 6.5". **\$23.00 each**



[Order Online](#)



CRANBERRY (RED)

CONIFER (GREEN)

KILO (BLACK)

ORIGINAL (BROWN)

KUPIILKA SPOKS

The utensil option for longer outdoor trips when you need to cut down weight, yet want the functionality and looks. Great for bushcrafting, camping, hiking, and backpacking trips - a wonderful biodegradable spork!

205: Length 8.07" Weight .49 oz **\$6.50 ea.**

225: Length 8.86" Weight .56 oz **\$7.00 ea.**

[Order Online](#)



DID YOU KNOW?

In an effort to reduce damage, we typically stop shipping temperature sensitive products around the middle of December to the northern states. There is no hard-and-fast rule when we stop shipping so please understand that it is important to plan ahead and order before cold weather hits. Also, there are times in the winter when we will only ship temperature sensitive products Monday through Wednesday. We do this because we've found that delivery vehicles are typically left unheated over the weekend. By not shipping on Thursday & Friday we can minimize possible freeze damage of products, saving a lot of hassle in the long run.

