



## Owner's Manual

Please read this manual and follow its instructions carefully. The words **WARNING**, **CAUTION**, and **IMPORTANT** carry special meanings and should be carefully reviewed.

**WARNING** - Failure to read, understand and follow all warnings and instructions listed could result in serious injury or death to self or others.

**CAUTION** - These instructions point out special safety procedures or precautions that must be followed to avoid damaging the augers, injuries to self and others.

**IMPORTANT** - This provides special information to make usage of the K-Drill easier and important instructions more clear.

## Table of Contents

Product Introduction	1	Free Lifetime Sharpening	9
Drill Setup	3	Parts & Accessories	10
Attaching to the Drill	3	Cordless Drill Requirements	11
Drilling Ice Holes	4	Specifications	11
Redrilling Holes	5	Limited Warranty	13
Safety & Usage Tips	6		
Replacing the Blades	8	<i>K-Drill Patent #7,946,355</i>	

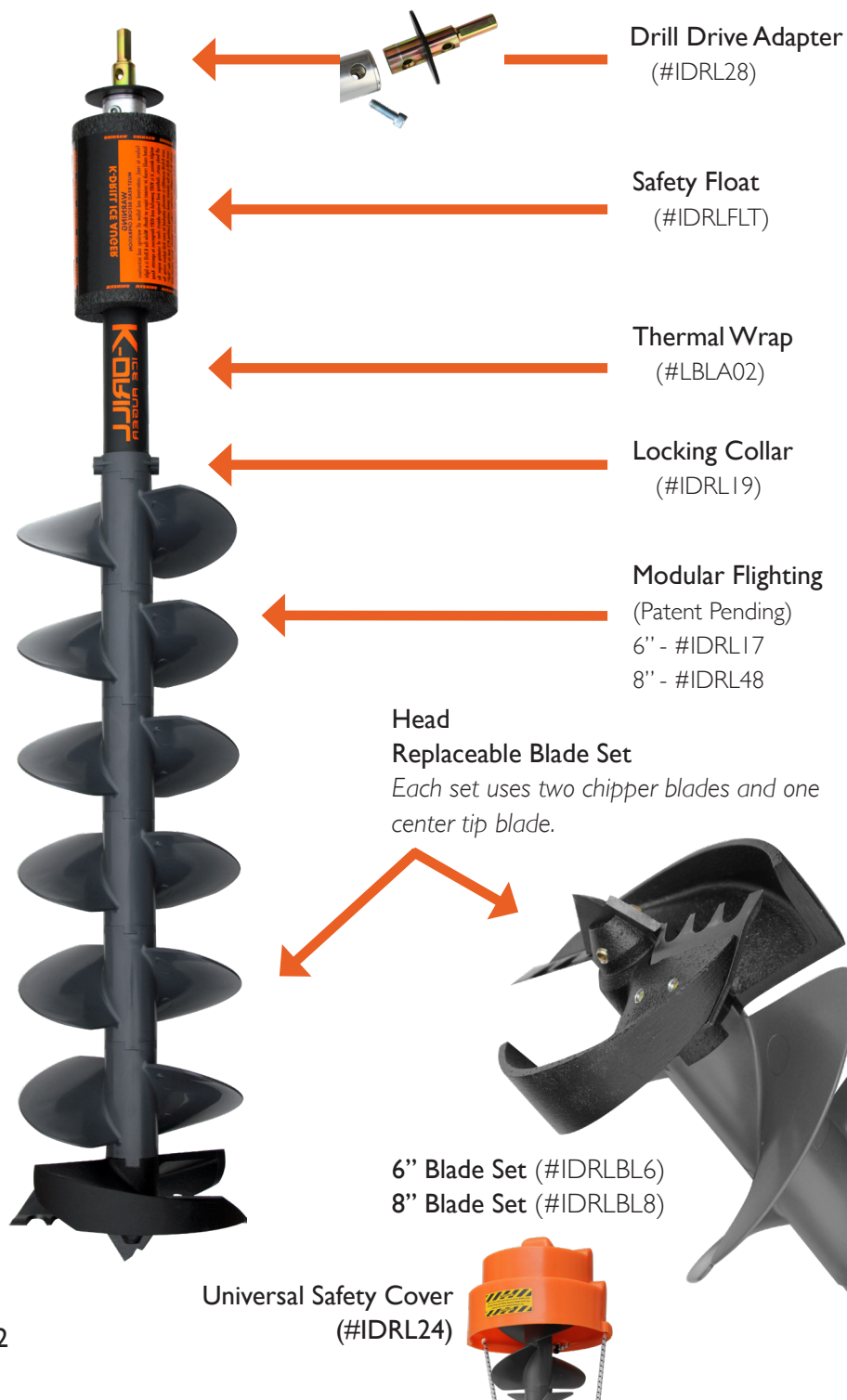
## Introducing the K-Drill Ice Auger

Efficiency and light weight performance best describes the K-Drill Ice Auger. Both the 6" and 8" K-Drill Ice Augers are designed to be driven with rechargeable electric drills or gas power heads.

The unique center tip and high carbon steel chipper blades allow for quick and clean holes under all ice conditions. K-Drill will also work exceptionally well when re-opening existing holes.

The K-Drill has its own flotation system to prevent it from sinking down the hole if it should come detached from the drill. The 6-inch K-Drill Ice Auger cuts a 6" hole. However, the 8-inch K-Drill cuts a 7-1/2" hole.





**IMPORTANT** - At the end of the ice fishing season, before storing for summer, please spray WD-40 on the blades. This simple maintenance prevents rusting during storage. Also, K-Drill offers free blade sharpening. See page 9 for details.

**CAUTION** - Always place protective cover over blades when not drilling. Keep the electric drill assembly out of the water.

## K-Drill Ice Auger Operation

### Proper Drill Setup

- 1) Ensure that you have an adequate drill, meaning a half-inch chuck and at least 725 in/lbs of torque.
- 2) Ensure the drill is set to its DRILL mode, not ratchet or hammer.
- 3) Ensure the drill is set to its LOWEST (slowest) gear setting.
- 4) Ensure your drill has a side-arm attachment so you can maintain a secure two-handed hold on the drill.



### Attaching the K-Drill to your Electric Drill 3 Times Method

- 1) Set drill to neutral position or remove battery for your safety.
- 2) Insert the drive adapter of the k-drill into your electric drill aligning the flats on the drive adapter with the 3 jaws of in the chuck of the electric drill.
- 3) Begin hand tightening the chuck down on the drive adapter while rotating the handle of the electric drill back and forth 15-20 degrees. Continue this hand tightening until the chuck feels tight on the adapter. Possible to use both hands to assure chuck is tight. That's one.
- 4) Re-install battery to drill and drill 3-4 inches of ice - tighten chuck more. That's two
- 5) Drill 2-3 complete holes and tighten chuck more. That's three, now the chuck is secure on the drive adapter and should be good for drilling most of your holes for the day. Always good to check again every 15-20 holes being certain nothing loosens up during use.



**IMPORTANT:** At no time is it safe to insert the K-drill into the chuck and power-up the drill to tighten it onto the shaft. The same also holds true of removing the K-drill from the chuck. Do it manually for your own safety and the safety of others. If necessary set the drill in Neutral mode or simply remove the battery when inserting or removing the K-drill from the chuck of the electric drill.

## Drilling Holes in the Ice

- 1) Important to keep protective cover in place until you are ready to start drilling ice.
- 2) Ensure drill settings are correct - lowest speed and drill mode.
- 3) Ensure K-Drill is secure in the electric drill chuck
- 4) Set center tip where you want to drill the hole and that you are holding the drill straight down.
- 5) Hold the drill handle and side-arm support firmly and pull the trigger fully while using minimum downward force to begin guiding the drill through the ice. Occasionally it will help with the support by resting the support handle on your hip/leg while drilling.
- 6) On thicker ice, beyond 24 inches, you will drill continuously until the top flighting is not visible, **THEN CLEAR THE HOLE!** Without letting up on the trigger, resume drilling and clear the hole again of ice chips every 5 seconds until break-through. Then slow the drill speed until hole is clear of ice chips or stop drill and reverse drill direction and drive the chips down under the ice. **DO NOT** let up on the drill speed until break-through as this may result in the k-drill binding and sticking in the hole.
- 7) Failure to clear the hole of ice chips and allowing it to build these ice chips on top of the flighting will result in damage to the top flighting sections. This will **NOT** be covered under warranty. It is the responsibility as operator to adequately "Clear Your Hole" .



## Redrilling of Holes in the Ice

Before explaining how to re-drill an old hole you must first understand how an existing hole refreezes.

- 1) It will begin refreezing from the top and outside edges
- 2) As it continues to freeze, the ice will continue thickening in from the sides with more ice at the top of the hole than the bottom
- 3) Given enough time and the right freezing conditions the hole would become a solid water column and would appear as though a hole had never been in that location. However, if you come back to this hole in a day or 2 it is possible to have a solid layer of ice on the top 1-2 inches and then you will experience the center core being of water while the outside edges are being frozen. The further you drill down through the existing hole you will notice less and less ice on the outside perimeter of the hole and more water in the center. This is where reopening these holes may get a little tricky depending upon which blade configuration and auger head you are using and how close the auger head and cutting blades match in size. The more closely the cutting head comes to meeting the blade size, the easier it will cut and the further you will get down the existing hole.
- 4) Once the ice on the side of the hole is smaller than the cutting head diameter, the blades will want to grab the side walls of the remaining ice and cork-screw itself down through the rest of the ice in the hole.
- 5) It is extremely important to hold back on the auger at that time to prevent it from doing this little cork-screw maneuver. By holding back on the auger and allowing the blades to cut away on the thin layer of ice on the outside edge of the hole you will cut out as much of this ice as possible **ALL** the way down to the bottom of the hole giving you a clean hole much the same as your original hole.



## Safety and Usage Tips

- DO NOT use the K-Drill Auger for anything else except for drilling ice. It was not designed to drill into soil or lumber.
- KEEP a firm hold on the drill handle and side-arm as you drill. Also maintain proper footing and balance at all times.
- DO NOT leave drill standing in partially drilled hole. It can freeze into place.
- TRAIN inexperienced operators to regularly clear hole during drilling.
- DO NOT wear loose clothing or lanyards. They can be caught in moving auger.
- BE AWARE that when cutting ice, the auger can bind, causing the drill to stop suddenly. Use caution and don't force the drill.
- CLEAR ice shards and slush several times while drilling to assure excess ice shavings do not buildup in the hole, or binding may result. CLEAR ice shards just before breaking through.
- ALWAYS set the auger in a safe place to prevent personal injury or damage to the auger shaft or blades.
- KEEP your electric drill assembly out of standing water. Rest the drill horizontally using the drill handle (battery) and side-arm as the props.
- KEEP the drill battery in a warm location prior to use in colder conditions. Keep spare batteries warm as well.
- INSPECT your K-Drill auger periodically. If damaged, have it repaired or replaced by an authorized service facility.
- KEEP the blades sharp and clean for best performance.
- DO NOT try to sharpen the blades yourself. K-Drill offers Lifetime Blade Sharpening as long as the blades remain within specifications. Free Lifetime Blade Sharpening does NOT cover negligence or misuse.



## Proper Auger-to-Drill Chucking

It is important to ensure that your K-Drill Auger is properly attached (chucked) into your cordless drill. Look closely to ensure the drill bites the auger stem properly on all three sides. Failure to do so will cause the auger to come lose as well as stem stripping shown here.

New Stem



Stripped Stem



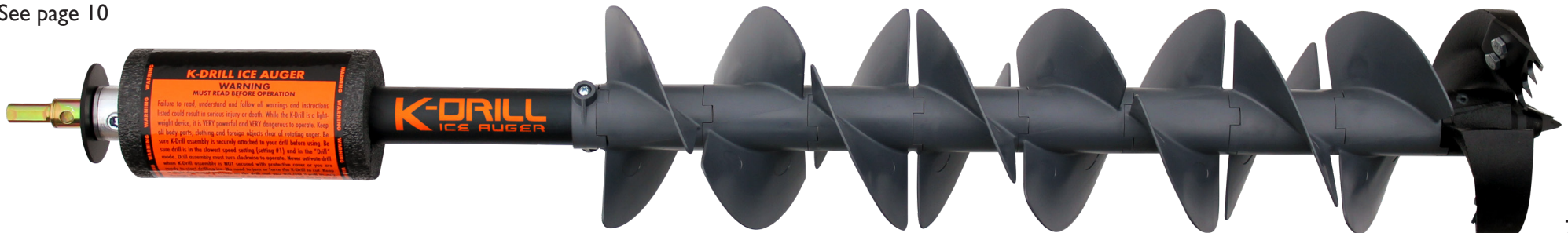
## Storage & Maintenance

Make sure to store the K-Drill auger in a safe location, and out of reach of children and animals. **MAKE SURE THE SAFETY COVER IS IN PLACE DURING STORAGE!**

At the end of the ice fishing season before storing for summer, spray WD-40 on the blades to prevent rusting during the off season.

**If you have problems or have a defective K-Drill, DO NOT return it to the retailer. Contact K-Drill directly for all warranty issues.**

See page 10

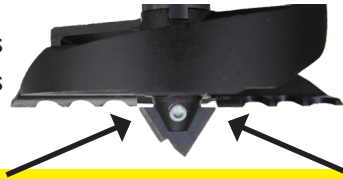




## Replacing the Blades

**WARNING** – Blades are sharp! Use leather gloves when handling blades.

- 1) Remove the center tip blade with 3/16" Allen wrench.
- 2) Remove the outside chipper blades with 7/16" open end wrench.
- 3) Replace the outside chipper blades and snug the bolts into position. Then torque an additional 1/4 turn and STOP! (If possible torque to 115 in/lbs)
- 4) Replace the center tip. Adjust the blade so it is equally spaced side-to-side from the chipper blades installed in the previous step.



**IMPORTANT** - The center point blade when being re-installed needs to be centered between the two main chipper blades. The unique two stage point may look like a broken tip but it is designed this way.

**CAUTION** - DO NOT OVER TIGHTEN as it will strip the threads and this will not be covered under warranty.

- 5) Torque bolt of center tip to 115 in/lbs.

## K-Drill Extension Installation

The standard K-Drill can drill through up to 36" of ice. The K-Drill extension can be added for thicker ice conditions. Extensions can be "stacked" if needed to create a very long ice auger.

- 1) Slide the down float, exposing the Allen bolt.
- 2) Remove the bolt and remove the drive adapter with washer.
- 3) Install the stem of extension. Replace and tighten bolt removed in step #2.
- 4) Install the driver adapter with washer into top of extension. Secure it with the bolt provided.



8

#IDRLEXT - 12" Auger Extension

## Free Lifetime Blade Sharpening\*

\*Blade sharpening for the K-Drill is FREE unless the blades have been abused drilling into rock, gravel, sand, etc., or until the blades can no longer be sharpened. Refer to the warranty policy at the back of this manual.

The blades can be re-sharpened 2-3 times under normal use, before needing replacement. After re-sharpening blades multiple times they may fall outside the specification and will no longer cut efficiently. It will then be necessary to purchase a new replacement set of blades for your K-Drill. Under normal use, blades should be sharpened every 2 to 3 years.

Please let us know if you would like to purchase an additional set of blades when you return your blades for re-sharpening. We will notify you at the time of re-sharpening whether your blades cannot be re-sharpened due to wear or neglect.

When returning a set of blades for re-sharpening please wrap them securely to protect the sharp edges. Allow 2 to 3 weeks for processing. Send them to the address shown below:

**K-Drill Blade Re-Sharpening**  
6667 West Old Shakopee Rd. Suite 102  
Bloomington, MN 55438

**WARNING** - Even used blades can be SHARP. Handle them with care. Wrap lose blades in cardboard to protect sharp edges.

**IMPORTANT** - Be certain to include your name, address and phone number along with your returned blades.



#IDRLBL6 (6") & #IDRLBL8 (8")  
(shown)

9



## Parts and Accessories

To purchase other parts and accessories for the K-Drill Ice Auger Systems please contact K-Drill customer service at 952-224-3649 or visit [kdrillauger.com](http://kdrillauger.com) to place an order online.

### Replacement Parts

IDRLBL6:	6" Replacement Blades (Set of 3 blades)
IDRLBL8:	8" Replacement Blades (Set of 3 blades)
IDRL24:	Replacement Safety Cover for 6" or 8" K-Drill
IDRLFLT:	Replacement Float for K-Drill
IDRL28:	Replacement Drive Adapter
LBLA02:	Replacement Thermal Wrap
IDRLI9:	Replacement Locking Collar
IDRLI7:	Replacement Flighting for 6" Auger
IDRL48:	Replacement Flighting for 8" Auger

### Accessories

IDRLEXT:	12" Auger Extension
IDRLADPC:	Adapter for Clam Drill Plate
KLG001:	Kluge Drill Attachment



#IDRLADPC  
Clam Drill Plate Adapter



#KLG001  
Kluge Drill Attachment  
T-Handle Adapter to be used  
from StrikeMaster **hand** auger to  
electric drill

## K-Drill Cordless Drill Requirements

You can use any cordless drill brand you choose, as long as it meets the following minimum requirements:

- 1) Side Stabilizer Arm (for a secure two-handed grip)
- 2) 1/2" Drill Chuck
- 3) 18 Volt/4 Amp Lithium Ion Battery (or higher)
- 4) Brushless Motor Design
- 5) 500-750 RPM with a minimum of
- 6) 725 in/lbs of torque (or higher)

The Milwaukee M18 Fuel and DeWalt Max XR series are both officially approved for K-Drill use.

### Latest Approved Models:

Milwaukee #2803-22 & #2804-22  
DeWalt #DCD997P2 BT,  
#DCD991P2,  
& #DCD996P2



Milwaukee M18 Fuel

## K-Drill Specifications

Weight:	5 LBs
Overall Length:	38"
Flighting Length:	24"
Drive Stem Dia:	1/2"
Cutting Dia:	7.5" (#IDRL08) 6" (#IDRL06)
Float Length:	7"
Float Dia:	3.5"
Shaft Dia:	1.375"



# K-DRILL

ICE AUGER

## Wear

### Hoody Sweatshirt

Our charcoal K-drill hoodies are definitely one of the heaviest and warmest hoodies around.

- Sueded 70% cotton & 30% polyester fleece
- Rib knit side gussets, cuffs and waist
- Key pocket inside pouch
- 1/4 zip collar with YKK zipper
- Super-thick draw cords
- Screen printed logo



#KAP002

### Truckers Cap

2-tone grey and black with K-Drill embroidered logo, mesh top with snap back.

- Grey / Black
- Mesh top
- Snap back
- Screen printed logo



#KAP001

### Knit Stocking Cap

A very comfortable 2-tone grey and black knit, with K-Drill embroidered logo. Fits nicely over the Truckers Cap.

- Warm knit material
- Embroidered logo



Go to [kdrillauger.com](http://kdrillauger.com) to Order!

