

EZESHARP Blade Sharpener

OWNERS MANUAL



Photo shows knife in 100mm flip-over.

All parts will interchange.

Note: Wedge attachment (left of photo) for multipurpose use

We Supply a wide selection of Dexter, KA-BAR, Tramontina, AOS
Knives, Steels, Knife Wraps and More

AUSSIE OUTBACK SUPPLIES Pty Ltd

ABN: 79 065 812 615

info@aussieoutbacksupplies.com

www.ezesharp.com.au

Blade Sharpener with Flip-Over:

Note: Stones are not supplied and are available separately - for Knives only.

Supplied Standard with 100mm flip-over.
Supplied complete in box.

- 1) Clamp unit to bench
- 2) Fix "T Bar" to frame with knob
- 3) Assemble flip-over to frame
- 4) Suggested angle setting for knives
"T" bar 40° - flip-over 15° to 20°, then
Follow instructions to page 3.
- 5) Assemble stone frames and fix
selected stones in frames.
Stone frames for two 8"x2" stones
or one 8"x2" & one 9"x3"

Spanners are supplied for assembly



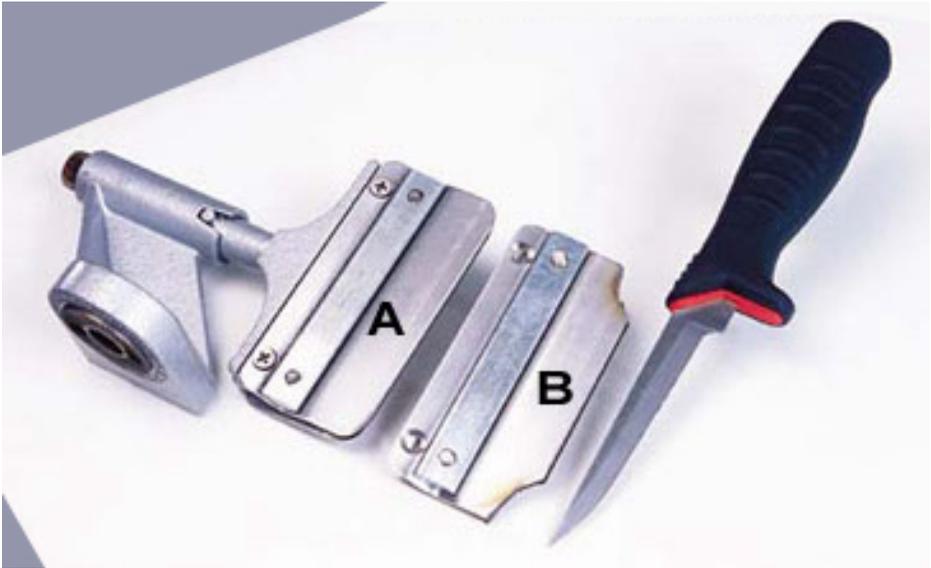
Flip-over (pictured above) shows knife being flipped over after sharpening the first side of knife. The Bladesharpener with flip-over is for Knives only.

Note: The stone frames are designed to take stones of 8"x2"x1" to 9"x3"x1".

You simply clamp the knife in the flip-over and set at any exact angle you require, pushing the stone over the knife until sharp, as per instruction manual on page 4.

Photo shows the knife being flipped over to sharpen the other side while retaining the same exact angle and edge.

Beware! Never leave any blade in your BladeSharpener unattended.



Standard 100mm flip-over can be machined to take short blade or pocket knives:

Note: Knives to 7" can still be sharpened.

Item 'A' pictured above shows a 100mm flip-over

Item 'B' pictured above shows how a flip-over can be machined to take short blade knives or pocket knives.

Please enquire with us or your local distributor as to the range and sizes of flip-overs that are available.

Beware! Never leave any blade in your BladeSharpener unattended.

Sharpening instructions for most KNIVES:

1. Set T-Bar at 40°.
2. Set main frame dial at 15° to 20°.
3. Mix up a stiff mix of detergent & water to lubricate the stone, apply with a sponge. You may also use a Kerosene and light oil mix.
4. Smear all screw threads and Allen screws with Vaseline.
5. Soak the stone in water first so the mix will not be absorbed.
6. Clamp blade in flip-over or wedge. Don't over tighten Allen screws!
7. Smear rough side of stone with mix and with rod resting on T-Bar rod, just push the stone over the blade from handle to point. If the blade is curved just follow the curve as you go down the blade. 'Count' the strokes it takes to get a burr on the underside of the knife blade.
8. When you feel the burr from the above process turn or flip the blade over and stroke or sharpen the blade with the same amount of strokes used in point 7. Use the detergent / water mix as required.
9. Turn or flip the blade so the burr is facing up.
10. Turn the stone over so the fine side is down and facing the blade, you are now going to hone the blade edge and remove the burr.
11. Very Lightly run the fine stone from the handle to the point 8 times.
12. Turn the blade over so burr is up and stroke 8 times as in point 11.
13. Turn the blade over so burr is up and stroke 6 times.
14. Turn the blade over so burr is up and stroke 6 times.
15. Turn the blade over so burr is up and stroke 4 times.
16. Turn the blade over so burr is up and stroke 4 times.
17. Turn the blade over so burr is up and stroke 2 times.
18. Turn the blade over so burr is up and stroke 2 times.
19. Turn the blade over so burr is up and stroke 1 times.
20. Turn the blade over so burr is up and stroke 1 times.

The Blade is now Finished!

When using a steel, you use the steel at the **same angle** you have created in the above process using the stone.

We highly recommend a good quality fine stone or steel for the honing and burr removal process.

To touch up knives each day leave the main frame setting as before and using a very fine stone hone with just a few strokes on each side of the knife as required.

For sharpening Shears and knives etc. using the Wedge attachment please refer to the manual and use the same settings as for the flip-over.

Serrated Edge Knife Sharpening:

Fitting supplied with all BladeSharpeners to take round or flat files. Photo below shows fitting for serrated edge knives and how the file works. Angle setting is the same as for the flip-over with ordinary blade knives.

'T" Bar set at 40° and the flip-over set to 15° to 20° or use your own settings.



Photo shows a round file to suit the serrated edge knife to be sharpened. Different files are used for different serration sizes.

The round Brass fitting shown in the photo will take a flat file as well as round.

Beware! Never leave any blade in your BladeSharpener unattended.

Using the Wedge:

Small Scissors

Dressing, Dressmaking, Crafting etc.

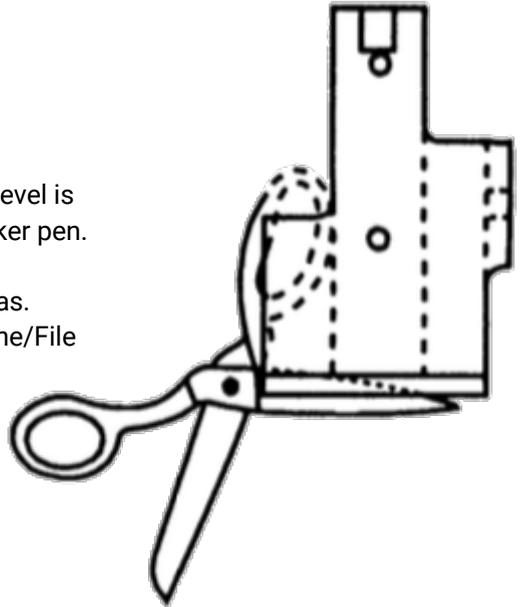
Bevels: There are many varied angles.

The best method of finding the factory bevel is by marking the existing edge with a marker pen.

Abrasives: Norton IB8 Red India Comb

Hairdressing: Coarse/Fine/Hard Arkansas.

Dressmaking/Crafting: Coarse/Fine Stone/File



Please Note:

Don't sharpen special serrated edge on Dressmaking scissors

- A. Push into the edge from the tip to the handle and lift on return strokes. Use basic countdown method of counting strokes on each blade as per page 4. Be careful not to round the tip of the blade. Continue until the burr is raised along the entire edge. Stop, remove blade, re-mount mating blade being careful to close scissors at this stage
- B. Remove blades
- C. Check tensioning screw and adjust and lubricate if necessary (See maintenance section).

Large Scissors

Grass, Hedge and Lopping Shears etc.

Bevels: Many varied angles, try angle dial of 40° and 'T' Bar height 70

Abrasives: Flat mill cut file or straight edges, or combination stone. Half round mill cut file or wavy edges.

Disassemble: Face blades, use the basic guidelines of use to set up the blade. Repeat steps 'B' and 'C' of small scissors section

Reassemble: Burr removal is achieved by firmly closing the blades. Check tension screw and adjust and lubricate if necessary.

Beware! Never leave any blade in your BladeSharpener unattended.

Blade Sharpener with WEDGE (stone supplied separately) – for Multi-Purpose Sharpening, Mulesing & Dagging Shears.

Here's a tip or two on how to sharpen Mulesing and Dagging shears. (suggestion only)

- A. Set the 'T' bar on setting 70.
- B. Set the wedge dial at 24° to 28° for Mulesing shears.
Set the wedge dial at 30° to 32° for Dagging shears.
- C. Place Blade parallel in wedge, then clip other blade behind the special lip under the wedge.
- D. Sharpen using a mixture of Kerosene and Neatsfoot Oil 70/30% or liquid detergent/water mix, as this will keep your stone with a clean cutting face at all times.
- E. Sharpen from the tip to the handle using a fine stone until a burr appears along the entire length of the blade. Place stone on a flat surface, on the back of the blade remove the burr. Repeat 3 or 4 times using light pressure on the stone. Remove shears from the Blade Sharpener, once again rub the stone on the flat surface of the shears to remove the burr, then cross the blades 3 or 4 times (very important as this makes sure that no burr remains).
- F. Use the same method for Dagging Shears.
- G. Remember that you can alter these angles if it suits your particular situation.



Photo shows blade tucked under wedge out of the way.

The chain & cup (item 'A') is for covering scissor blade that is standing up when sharpening – (Eye Protection)

Using the Wedge:

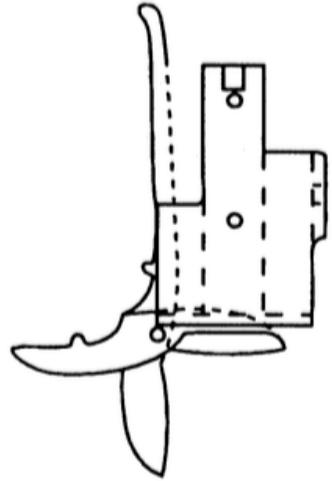
Tin Snips

Suggested Angle Dial 70

'T' Bar height 90

Abrasive – Use flat mill cut file

Release blades and close blades firmly to cut off the burr.



Planes, Chisels, Buzzer and Hat Cutter Blades

All bevels depend on the type of material you are cutting!

Chisel and Plane Blades

Shoulder bevel – Suggested angle dial 40.

'T' Bar height 60.

Edge bevel angle dial 20, 'T' Bar height 60

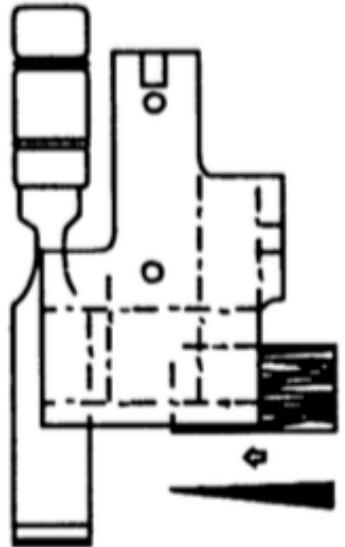
Mount chisel as shown to keep the blade square.

Buzzer Blades

Single bevel – Suggested angle dial 10.

'T' Bar height 65

Abrasives – Combination Stone/Arkansas



Note: Use of wooden wedge as shown will keep the clamp face square. This is important on narrow blades, especially chisels.

Beware! Never leave any blade in your BladeSharpener unattended.

How it Works

The "EZESharp Blade-Sharpener" works by clamping the blade to be sharpened in a rotatable vice-like clamping jig with variable degree angle adjustments. An oil stone, file or diamond stone can be used resulting in no loss of temper in the blade being sharpened.

Infinite angle adjustments together with the 'T' Bar, gives the operator total control over movement, pressure and angle. This degree of control and safety and the ability to sharpen such a wide range of blades, to either factory specifications or to create a variation to suit the work or individual make the "EZESharp Blade-Sharpener" totally unique.

The "EZESharp Blade-Sharpener" takes the guess work out of sharpening by providing control and repeatability of the correct sharpening angle (the true secret of sharpening).

Abrasive Options

Any 8"x2"x1" or 9"x3"x1" oil stone

Aluminium Oxide: Called India stones or Wheatstone's cut a fine finish with shallow scratches.

Silicon Carbide: (Carborundum) is a fast cutting stone.

Washita: (Soft Arkansas) is a natural stone for fast cutting and relatively fine sharpening.

Halls Black or White Arkansas: (Extra Fine) This extra hard natural stone is used for precision polishing on already sharp edges or for intricate tools for the professional.

Diamond Stones: Various shapes and sizes can be accommodated.

Movements and Pressure

Experimentation will find the best method for each blade. The simplest but very efficient method of push and lift on the return stroke, and counting the strokes works well. With this plus attention to the pressure used, you can't go wrong. Basically, you start heavy on pressure and strokes and gradually lighten pressure and reduce the number of strokes as you near the goal of a sharp edge. All blades can be sharpened this way. Finish by using the weight of the stone while just gliding over the stone. This method is called countdown. The countdown is used to finish the blade that has a correct and even bevel but has lost its edge. The edge can be restored quickly by using the countdown method.

Crossing Blades

This is a method of burr removal for scissors or shear blades. After sharpening, the burr needs to be returned or removed. This is done by crossing the blades, close the blades carefully but at the same time trying to stop the newly sharpened (with burr on) blades from touching each other. There is usually enough slack in the tensioning screw to allow this. Once you have the blades closed, press the blades together with your thumb or index finger. Open the blades, wipe off the burr with a piece of clean cloth, repeat the blade crossing, wipe, then work the blades normally.

Maintenance Section

General Care of you “EZESharp Blade-Sharpener”

Due to the very nature of the type of work for which the Blade-Sharpener is used, it is essential to keep the Blade-Sharpener clean and well lubricated to ensure smooth operation. Wash the unit if needed and spray some C.R.C or similar dewatering compound on the guide rods and apply Vaseline on the threads to keep the Blade-Sharpener in good working condition. After each use close the jaws of the wedge to protect the thin edge.

Stone Care

1. To keep the stone flat and level, rub two stones together with a mixture of Neatsfoot Oil and Kerosene (30:70). Rub firmly together until the hollow of the stone is removed.
2. To keep the stone clean, with a keen cutting edge, use a Neatsfoot Oil and Kerosene (30:70) mixture or Detergent/Water mix on the stone when sharpening.
3. If a stone is clogged, soak in Petrol or Kerosene, then rub clean with a stiff brush.
4. Household detergent may be used as a lubricant.



Beware! Never leave any blade in your BladeSharpener unattended.

EZESHARP Blade Sharpener

Made by:

AUSSIE OUTBACK SUPPLIES Pty Ltd

ABN: 79 065 812 615

Trade Enquiries Welcome

Unit 9 / 40-42 Meliador Way, Midvale 6056
Western Australia, Australia

Website: www.ezesharp.com.au

Email: info@aussieoutbacksupplies.com.au

Phone: (08) 9274 1997

INT Phone: +618 9274 1997

We Supply many brands of knives, steels, diamond and oil stones along knife rolls with other equipment at competitive prices.

Please enquire.