



D&C

DIAMOND CROSS

DC/RC/FC

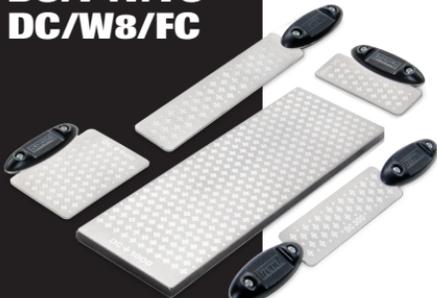
DC/CC/FC

DC/F5/FC

DC/F4T/CX

DC/F4T/FC

DC/W8/FC



INST/DC v1.0

trend
routing technology

Please read carefully before use

DIAMOND CROSS

REF. DC

Thank you for purchasing this Trend product, which should give lasting performance if used in accordance with these instructions.

The following symbols are used throughout these instructions.



Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions.

INTENDED USE

This product is intended to be used to sharpen TC and HSS tools. For professional and domestic use. Use with Trend Lapping Fluid (water can be used if necessary), this will prevent the diamond becoming clogged with swarf.

SAFETY

Please read and understand the safety points at the end of these instructions as well as your power tool instructions.

PLEASE KEEP THESE INSTRUCTIONS IN A SAFE PLACE.

All cutting edges are very sharp and care must be taken to prevent injury. Never sharpen blades towards the hand or body. Ensure all tools are used correctly, maintained properly and stored carefully.

Users must be competent in using woodworking equipment before using our products. Consider working environment before using tools. Ensure working position is comfortable and component is clamped securely. Please keep children and visitors away from tools and work area. All tools have a residual risk so must therefore be handled with caution.

GUIDELINES

Diamond Cross Stones allow fast, clean stock removal, with less effort and time required and can be used on a variety of cutting edges.

When using the stones, certain general guidelines should be followed to ensure that the stone will give lasting performance under normal conditions.

Follow the hints and tips explained here to help maximise the life of your stone:

- All tooling should be cleaned before sharpening. Resin build-up should be removed with Resin Cleaner and a wire brush.
- Use with Trend Lapping Fluid (water can be used if necessary), this will prevent the diamond becoming clogged with swarf.
- Stones require a 'break-in' period. Initially the diamond will feel coarse and will smooth overtime.
- Do not apply too much pressure.
- The diamond is extremely abrasive so what would normally take 5-10 minutes on an oilstone may take approximately 20 seconds on the diamond stone.
- Dry the stone thoroughly after use. Any wet steel filings left on the stone will cause surface rust to form!

Wear gloves.

All cutting edges are very sharp and care must be taken to prevent injury.

Never sharpen blades towards the hand or body.

TECHNICAL DATA

Product Ref.	Grade	Grit	Micron
DC/RC/FC	Fine	600	25
	Coarse	300	50
DC/CC/FC	Fine	600	25
	Coarse	300	50
DC/F5/FC	Fine	600	25
	Coarse	300	50
DC/F4T/CX	Coarse	300	50
	Extra coarse	100	140
DC/F4T/FC	Fine	600	25
	Coarse	300	50
DC/W8/FC	Fine	1000	15
	Coarse	300	50

Mounting the 8" Bench Stone on the Diamond Stone Holder

The 8" bench stone comes with a pair of bench holders.

- Attach one diamond holder to the underside of each end of the 8" diamond stone using the magnetic lock to secure in position. To prevent skidding ensure work surface is dry, flat and clean of debris.



OPERATION



Router Cutters/Bits

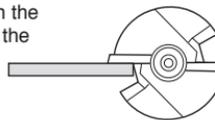


Suggested - DC/RC/FC

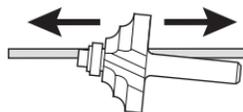
Fine: For Tungsten Carbide.
Coarse: For High Speed Steel.



- Always sharpen the flat face, never the profile/relief.



- Slide the cutter with slight pressure along the whetstone. Repeat same number of strokes on each cutting edge.



Circular Sawblades

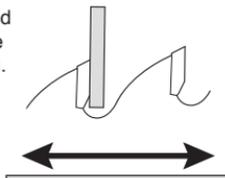


Suggested - DC/F5/FC

Fine: For regular maintenance.
Coarse: For dull blades.



- Keep the diamond surface flat to the face of saw tooth.



- Use a few light, smooth, back and forth strokes on each tooth.

- Repeat the same number of strokes on each tooth.
- Mark the first tooth sharpened with chalk or masking tape to avoid honing a second time.

Chisel/Plane Irons

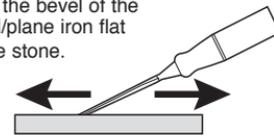


Suggested - DC/W8/FC

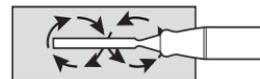
Fine: For edge honing.
Coarse: Areas of minor damage.



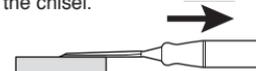
- Keep the bevel of the chisel/plane iron flat on the stone.



It is recommended to use a figure of eight motion when sharpening chisels.



- Finish with one light stroke on the back of the chisel.

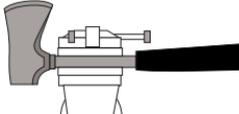
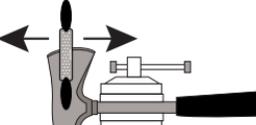


Axes

Suggested - DC/F4T/FC

- Fine:** To hone the edge.
- Coarse:** To prepare the edge.



- Mount the axe in a vice. 
- Keep the diamond surface flat to the tip of the axe blade edge. 
- Perform light strokes back and forth on both sides. 

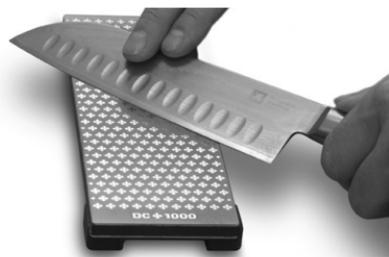


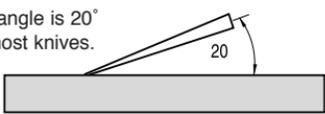
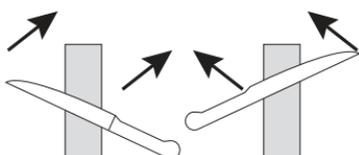
Use with caution. Wear gloves.

Knives

Suggested - DC/W8/FC

- Fine:** To keep a razor edge.
- Coarse:** To restore an edge.



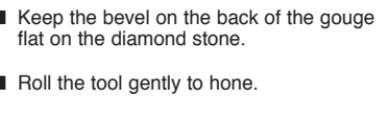
- Keep the same angle as the knife bevel on the diamond stone. The angle is 20° for most knives. 
- Stroke away from the body, alternating on each side of the knife. 
- Light strokes will produce a finer edge.

Small Pointed Tools & Gouges

Suggested - DC/CC/FC

- Fine:** To maintain an edge.
- Coarse:** To restore a dull edge.



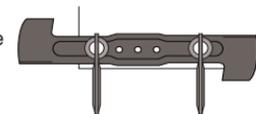
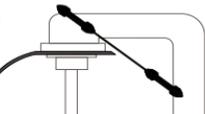
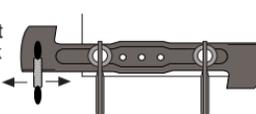
- Keep the bevel on the back of the gouge flat on the diamond stone. 
- Roll the tool gently to hone. 
- Small tools should be honed as per chisels, pointed tools should be honed as per gouges.

Mower Blades

Suggested - DC/F4T/CX

- Fine:** To hone the edge.
- Coarse:** To prepare the edge.

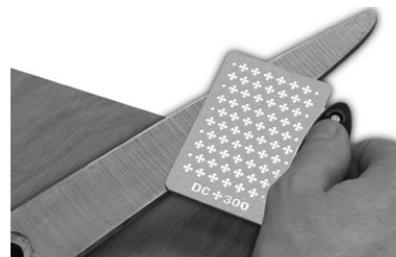


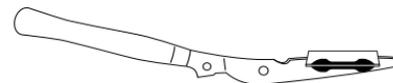
- Fix the mower blade position using two clamps. 
 - Keep the diamond surface flat to the face of the blade edge. 
 - Perform light strokes back and forth. 
-  Use with caution. Wear gloves.

Shears and Scissors

Suggested - DC/CC/FC

- Fine:** To hone the edge.
- Coarse:** To prepare the edge.



- Dismantle the shears to work on the cutting blade.
- Lay the diamond stone flat on the cutting edge bevel. 
 - Stroke smoothly towards the outside of the blade.
 - Remove the burr on the sliding face with a light stroke.

ACCESSORIES

Please use only Trend original accessories.

Non-slip Magnetic Diamond Stone Holder

Ref. DC/BH/A (pair)

- Suitable for use with Diamond Cross Router Cutter Sharpener, Credit Card & 8" Bench Stones.
- Also fits all other brands of credit card and bench diamond stones.

Diamond Abrasive Lapping Fluid

Ref. DWS/LF/100, DWS/LF/250, DWS/LF/500

- Suitable for all diamond abrasive products.
- Use instead of water to reduce the threat of rusting by 95%.
- Reduces possibility of clogging of diamond surface and improves diamond stone performance.

DIAMOND STONE MAINTENANCE

Please use only Trend original spare parts and accessories.

Continual satisfactory operation depends upon proper tool care and regular cleaning.

Cleaning

- Clean with a damp cloth or use with a Trend cleaning block Ref. DWS/CB/A.

Storage

- Ensure diamond stones are stored separately.
- Do not store the stones in damp conditions.
- Always return stone to its packaging after use.

ENVIRONMENTAL PROTECTION

Recycle raw materials instead of disposing as waste.

Packaging should be sorted for environmental-friendly recycling. The product and its accessories at the end of its life should be sorted for environmental-friendly recycling.

GUARANTEE

All Trend products are guaranteed against any defects in either workmanship or material, except products that have been damaged due to improper use or maintenance.

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RECYCLABLE