

Electric Chainsaw Sharpener 10670 Instructions for Use

Please read and retain these instructions for future reference

v003: 23/10/17



Technical Details:	Voltage details:	230 V d.c.
	Frequency:	50Hz
	Motor Rating P1	220W:
	Cutting speed:	~40m/s
	Hand-arm vibration:	3.52 m/s ²
	Grinding Wheel	
	Ø x thickness x hole Ø:	Ø100 x 4.5 x Ø 10mm
	Weight:	1.6Kg approx.

Description of device / spare parts:

Position	Denomination
1.	Rotary table, complete
2.	Supporting table
3a/3b.	Mounting screw (with spring)
4.	Chain stop
5.	Guide plate
6.	Guide rail
7.	Locking nut
8.	Setting screw (for grinding depth)
9.	Grinding wheel (100 x 4.5 x 10 mm)
10.	Cover
11.	Handle
12.	ON-OFF Switch
13.	Grinding head
14.	Screw cap
15.	Nut M8, self-locking
16.	Flange
17.	Safety label
18.	1 pair of carbon brushes (not shown)
19.	Protective cover
20.	Nut

*Calls cost 7 pence per minute plus your telephone company's network access charge

Head Office, 11 Bridge Street,
Bishop's Stortford CM23 2JU
Tel: 0844 482 4400*
Fax: 01279 756 595
www.coopersofstortford.co.uk

Coopers
OF STORTFORD

Electric Chainsaw Sharpener 10670 Instructions for Use

Please read and retain these instructions for future reference

v003: 23/10/17

Please read this instruction manual thoroughly before starting and ensure you are familiar with the operation of your new electric chainsaw sharpener.

SAFETY INSTRUCTIONS:

WHEN USING ELECTRICAL APPLIANCES, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED:

- READ ALL INSTRUCTIONS BEFORE USE.
- TO PROTECT AGAINST ELECTRIC SHOCK, DO NOT IMMERSE CORD, PLUG OR APPLIANCE, IN WATER OR ANY OTHER LIQUID.
- UNPLUG FROM OUTLET WHEN NOT IN USE AND BEFORE CLEANING.
- DO NOT OPERATE ANY APPLIANCE WITH A DAMAGED CORD OR PLUG OR AFTER THE APPLIANCE MALFUNCTIONS, OR HAS BEEN DAMAGED IN ANY MANNER. WE RECOMMEND THAT THE POWER CORD IS NOT KINKED OR STORED IN A TWISTED MANNER, AND THAT YOU REGULARLY CHECK ITS CONDITION.
- THE USE OF ANY ACCESSORY OR ATTACHMENTS NOT RECOMMENDED BY COOPERS OF STORTFORD MAY CAUSE INJURIES AND INVALIDATE ANY WARRANTY YOU MAY HAVE.
- DO NOT LET CORD HANG OVER THE EDGE OF A TABLE OR COUNTER, OR TOUCH HOT SURFACES.
- DO NOT PLACE ON OR NEAR HEAT SOURCES.
- USE ON A LEVEL, STABLE SURFACE.
- **DO NOT** COVER THE ITEM IN ANY WAY WHEN IN USE AS THIS MAY CAUSE OVERHEATING.
- DO NOT USE THIS APPLIANCE FOR ANY OTHER USE THAN THE INTENDED USE IT IS DESIGNED FOR.
- ENSURE THERE IS SUFFICIENT DISTANCE BETWEEN THIS APPLIANCE AND OTHER ITEMS ON THE WORK SURFACE OR WORK STATION, OR SUFFICIENT DISTANCE BETWEEN THE APPLIANCE AND THE CONFINES OF THE AREA IN WHICH IT IS SITUATED. WE RECOMMEND A MINIMUM CLEARANCE AROUND ALL FACES OF AT LEAST 10CM.
- BEFORE USE, CHECK THOROUGHLY FOR ANY DEFECTS AND DO NOT USE IF DEFECTS ARE FOUND. TAKE CARE NOT TO DROP THE APPLIANCE AS HEAVY IMPACTS MAY CAUSE INTERNAL DAMAGE.

*Calls cost 7 pence per minute plus your telephone company's network access charge

Head Office, 11 Bridge Street,
Bishop's Stortford CM23 2JU
Tel: 0844 482 4400*
Fax: 01279 756 595
www.coopersofstortford.co.uk

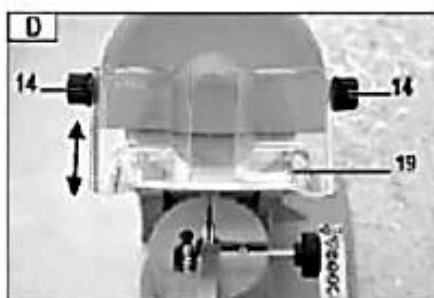
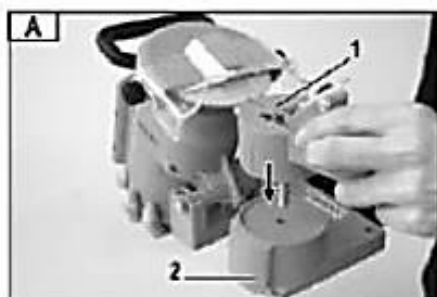
Coopers
OF STORTFORD

Electric Chainsaw Sharpener 10670 Instructions for Use

Please read and retain these instructions for future reference

v003: 23/10/17

USER INSTRUCTION IMAGES:



*Calls cost 7 pence per minute plus your telephone company's network access charge

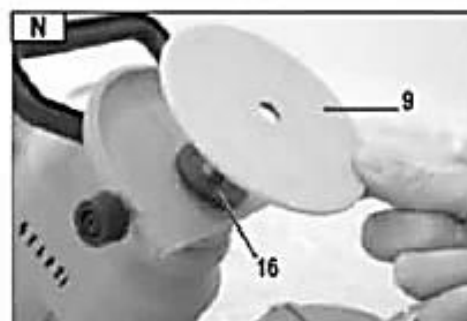
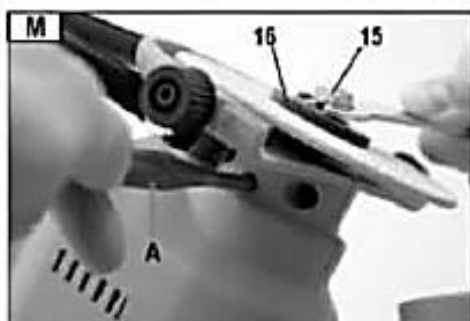
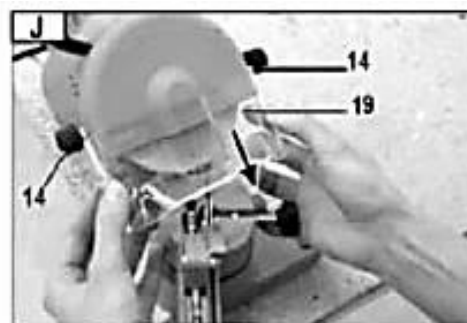
Head Office, 11 Bridge Street,
Bishop's Stortford CM23 2JU
Tel: 0844 482 4400*
Fax: 01279 756 595
www.coopersofstortford.co.uk

Coopers
OF STORTFORD

Electric Chainsaw Sharpener 10670 Instructions for Use

Please read and retain these instructions for future reference

v003: 23/10/17



*Calls cost 7 pence per minute plus your telephone company's network access charge

Head Office, 11 Bridge Street,
Bishop's Stortford CM23 2JU
Tel: 0844 482 4400*
Fax: 01279 756 595
www.coopersofstortford.co.uk







Coopers
OF STORTFORD

Electric Chainsaw Sharpener 10670 Instructions for Use





Please read and retain these instructions for future reference

v003: 23/10/17

SYMBOLS:

	Carefully read the instruction manual before handling this machine. Observe the instructions and safety rules when operating.
	Shut off the engine and remove the power cord before performing cleaning, maintenance or repair work.
	Attention! Risk of cutting injury. Do not place hands on or near the rotating cutting tool to avoid injury.
	Wear protective gloves.
	Wear dust mask protection.
	Wear eye and ear protection.

OPERATING SYMBOL INSTRUCTIONS:

	Warning! Threatened hazard or hazardous situation. Not following this instruction may lead to injuries or damage to property.
	Important information of proper handling. Not following this instruction may lead to faults in the machine.
	User information: This information helps you to use all the functions.
	Assembly, operation and servicing. Here you are advised the actions to follow.

USER INSTRUCTIONS:

- The chainsaw sharpener is intended for domestic DIY and craft use only. This is not for industrial or commercial use.
- This chainsaw sharpener is fitted with a mounted grinding wheel 100 x 4.5 x 10mm.
- Use only the grinding wheels suitable for this machine. Spare pack of 3 grinding wheels (100 x 4.5 x 10mm) are available to purchase separately - item code 10742
- Only chains that can be placed down in this chainsaw sharpener and guided securely may be sharpened.
- Do not use this machine to sharpen other objects as there is a risk of injury.

*Calls cost 7 pence per minute plus your telephone company's network access charge

Head Office, 11 Bridge Street,
Bishop's Stortford CM23 2JU
Tel: 0844 482 4400*
Fax: 01279 756 595
www.coopersofstortford.co.uk

Coopers
OF STORTFORD

Electric Chainsaw Sharpener 10670 Instructions for Use

Please read and retain these instructions for future reference

v003: 23/10/17

- Do not amend or alter this machine as this will void any warranty or liability in the event of injury or damage.
- Do not use this machine in potential explosive environment or use in rain or wet conditions.
- Do not touch the rotating grinding wheel - risk of injury to fingers and hands!
- Always wear eye protection to prevent injury from flying debris or sparks.
- Always wear ear protection when using this machine.
- Always use protective gloves when sharpening chainsaws.

PREPARING FOR COMMISSIONING:



Please follow the instructions below.

- Mount the rotary blade.
- Set up the device securely.

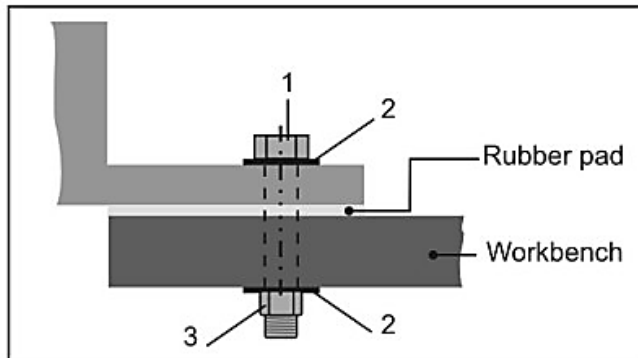
Assembling the rotary table:

- Place the rotary table (1) onto the supporting table (2) – see image A.
- Thread the mounting nut (7) on the locking screw – see image B.

Mounting the chainsaw sharpener on a workbench:

For secure operation, the machine must be mounted along the edge of a workbench or table. Use all three fixing points but ensure the recess for the saw chain remains free and the locking nut remains accessible. See image C.

We recommend the additional placement of a rubber pad to reduce noise and vibration (not included).



Parts required for mounting (not included)

Position	Description
1.	M8 Hexagonal screw
2.	8mm diameter Washer
3.	M8 Hexagonal self locking nut

Electric Chainsaw Sharpener 10670 Instructions for Use

Please read and retain these instructions for future reference

v003: 23/10/17

Place the machine at a location that meets the following conditions:

- Secured against slipping.
- Free of vibrations.
- Flat and stable surface.
- Clean and dry.
- Free of tripping hazards.
- Adequate light.
- Protected from rain and adverse weather.

COMMISSIONING:

Mains Connection - Ensure the voltage listed on the rating label matches with the domestic electrical supply voltage.

Connect the chainsaw sharpener to the grounded mains socket.



Always use with a safety residual current device plug adaptor when using the chainsaw sharpener.

Use connection cable or extension cable having a cross section of at least 1.5mm²

Switching ON / OFF

Do not use any device where the switch cannot be switched on and off. Damaged switches must be repaired or replaced by a qualified electrician.



Press "I" of the ON-OFF switch.



To turn the machine off, press the "O" of the ON-OFF switch.

WORKING CONDITIONS:



Before commencing work, ensure the following:

- The workplace is clean and tidy.
- The chainsaw sharpener is securely mounted on a workbench.

Using the chainsaw sharpener:



The protective cover (19) must cover the grinding wheel as much as possible. Adjust the protective cover by loosening the 2 screw caps (14), position as required and retighten the screw caps. See image D.



Always keep your hands a safe distance from the grinding wheel.

- Do not use any grinding wheels that are damaged or mis-shaped.
- Start working once the grinding wheel has reached its maximum speed.
- Only chains may be sharpened that can be put down and guided securely.
- Always be alert to potential safety hazards.

Electric Chainsaw Sharpener 10670 Instructions for Use

Please read and retain these instructions for future reference

v003: 23/10/17

Sharpening Chains.



Before making any settings to the machine firstly,

- Switch off the machine
- Wait for the grinding wheel to stop
- Disconnect from the mains supply.

Grinding all cutting links.

To grind the cutting edge of a cutting link, proceed as follows:

1. Set the grinding angle – loosen the locking nut (7) to turn the rotary plate to approximately 30 degrees and retighten the locking nut.



The cutting edges of the cutting links are normally ground at an angle between 30 and 35 degrees.

2. Loosen the mounting screw (3b) and place the cutting chain in the guide rail (6) between the guide plate (5). See image E.
3. Fold the chain stop (4) down and pull the chain toward the back until the cutting link to be ground rests against the stop. See image F.
4. Pull the grinding head (13) against the cutting link for exact alignment. Set the distance with the help of the mounting screw (3a) so that the grinding wheel touches the cutting link. In addition, adjust the grinding depth with the setting screw (8). See Image G.
5. Tighten the mounting screw (3b). Chain is fixed in place. See image H.
6. Carefully grind the cutting edge of the cutting link.



To avoid damage to the chain grind as briefly as possible and do not remove more material than necessary.

7. Grind every second cutting edge by performing steps 5 and 6.



Mark the first cutting link by a chalk mark. This will help you avoid grinding cutting links twice.

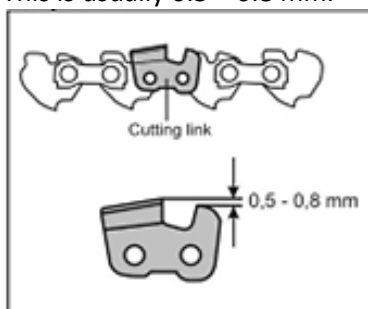
8. Turn the rotary table 30° of the other side and grind the remaining cutting edges as described above,

SETTING THE DEPTH DISTANCE LIMIT

Once all cutting edges of the cutting links have been sharpened, your chain will be sharp but may possibly not cut.

For this reason, a depth limit distance must be observed (=distance between depth limit and cutting edge).

This is usually 0.5 – 0.8 mm.



Head Office, 11 Bridge Street,
Bishop's Stortford CM23 2JU
Tel: 0844 482 4400*
Fax: 01279 756 595
www.coopersofstortford.co.uk

Coopers
OF STORTFORD

*Calls cost 7 pence per minute plus your
telephone company's network access charge

Electric Chainsaw Sharpener 10670 Instructions for Use

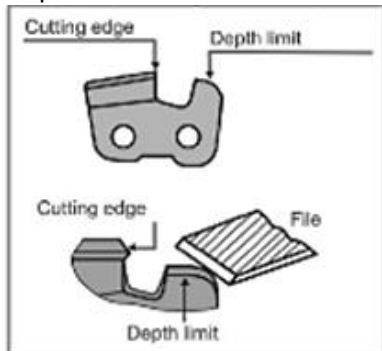
Please read and retain these instructions for future reference

v003: 23/10/17



A depth limit distance that is too great represents a risk of kickback. For this purpose, you must check the distance according to the specifications of your chain and file it off with a file if necessary.

Be sure to chamfer the leading edge of your depth limiter. The original shape of the cutting link must be preserved.



MAINTENANCE AND CARE:





Before each maintenance and cleaning work:

- Switch off the machine.
- Wait for the grinding wheel to fully stop.
- Disconnect from the mains supply.



Replacing the grinding wheel:

- Do not use any damaged grinding wheels or those that are mis-shapen.
 - Do not use any grinding wheels which do not comply with the indicated characteristics of this instruction manual.
1. Loosen the screw caps (14) and remove the protective cover (19). See image J.
 2. Loosen the nut (20) on both sides of the cover (10). Remove the cover. See images K and L.
 3. To lock the grinding wheel, insert a screw driver or mandrel (4mm diameter) in the hole provided.
 4. Loosen the nut (15).
 Right hand thread.
 5. Remove the nut, the front flange (16), the grinding wheel (9) and the rear flange (16). See images M and N.
 6.  Clean the flanges.
 7. Reassembly is conducted in the opposite sequence.

For maintaining and cleaning, removed security devices must be mounted correctly and proved again.

Use only original parts. Other parts can result in unexpected damage and injury.



Note the following to keep your chainsaw sharpener functioning:

Head Office, 11 Bridge Street,
Bishop's Stortford CM23 2JU
Tel: 0844 482 4400*
Fax: 01279 756 595
www.coopersofstortford.co.uk

Coopers
OF STORTFORD

*Calls cost 7 pence per minute plus your
telephone company's network access charge

Electric Chainsaw Sharpener 10670 Instructions for Use

Please read and retain these instructions for future reference

v003: 23/10/17

- Clean and oil all moving parts regularly (except for the drive system).
- Remove dust and dirt with a cloth or brush.
- Clean the machine dry.
- Do not use solvents for the synthetic parts (petrol, alcohol, etc) as these can damage.



Never use any grease.



Use environmentally acceptable spray oil.

STORAGE



Disconnect the mains plug.

Store unused equipment in a dry, secured location out of reach of children.

Before extended storage, thoroughly clean the machine, to increase its service life and to ensure smooth operation.

POSSIBLE FAULTS:



Before each fault clearance

- switch off device
- wait for the shutdown of the grinding wheel
- pull out main plug



After each fault clearance, put into operation and recheck all security installations.

Fault	Possible cause	Remedy
Chain sharpener does not operate.	⇒ no power ⇒ Extension cable defect ⇒ Main plug, motor or switch defect	⇒ Check power supply, power socket and fuse protection ⇒ Check extension cable, exchange defect cable immediately ⇒ Have motor or switch checked by an approved electrician or replaced by original spare parts
Chain sharpener grinds with interruptions	⇒ Extension cable defect ⇒ Internal fault. ⇒ ON/OFF button defective.	⇒ Check extension cable, exchange defect cable immediately ⇒ Please contact the after sales service. ⇒ Please contact the after sales service.
Grinding wheel becomes hot	⇒ Grinding wheel is dull or defective	⇒ Replace grinding wheel
Motor is humming, grinding wheel stops	⇒ Grinding wheel is blocked	⇒ Remove object
Unusual vibrations	⇒ Grinding wheel is defective	⇒ Replace grinding wheel

WARNING

- CHECK THE APPLIANCE AND POWER CABLE CAREFULLY FOR DAMAGE BEFORE EACH USE.
- KEEP THE APPLIANCE AWAY FROM CHILDREN.
- BEFORE CONNECTING THE APPLIANCE, CHECK IF THE VOLTAGE INDICATED ON THE BOTTOM OF THE APPLIANCE IS IN ACCORDANCE WITH THE MAINS VOLTAGE IN YOUR HOME.
- THIS APPLIANCE CAN BE USED BY CHILDREN AGED FROM 8 YEARS AND ABOVE AND PERSONS WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES OR LACK OF EXPERIENCE AND KNOWLEDGE IF THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF THE APPLIANCE IN A SAFE WAY AND UNDERSTAND THE HAZARDS INVOLVED. CHILDREN SHALL NOT PLAY WITH THE APPLIANCE. CLEANING AND USER MAINTENANCE SHALL NOT BE MADE BY CHILDREN WITHOUT SUPERVISION.

Head Office, 11 Bridge Street,
Bishop's Stortford CM23 2JU
Tel: 0844 482 4400*
Fax: 01279 756 595
www.coopersofstortford.co.uk

Coopers
OF STORTFORD

*Calls cost 7 pence per minute plus your
telephone company's network access charge

Electric Chainsaw Sharpener 10670 Instructions for Use

Please read and retain these instructions for future reference

v003: 23/10/17

- **SOME PARTS OF THIS PRODUCT CAN BECOME VERY HOT AND CAUSE BURNS. PARTICULAR ATTENTION HAS TO BE GIVEN WHERE CHILDREN AND VULNERABLE PEOPLE ARE PRESENT.**
- CHILDREN OF LESS THAN 3 YEARS SHOULD BE KEPT AWAY UNLESS CONTINUOUSLY SUPERVISED.
- DO NOT USE IF THE POWER CORD OR PLUG IS DAMAGED. TO BE REPAIRED BY A QUALIFIED ELECTRICIAN OR TO BE REPLACED BY THE MANUFACTURER, SERVICE AGENT OR SIMILARLY QUALIFIED PERSON, IN ORDER TO AVOID A HAZARD.

PLUG WIRING (UK & IRELAND)

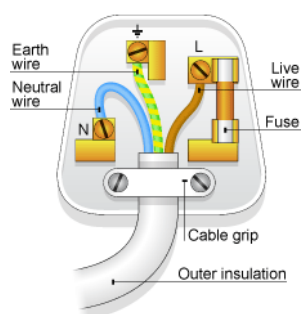
This appliance is fitted with a BS 1363 **13-amp** plug. If you have to replace the fuse, only those that are ASTA or BSI approved to BS1362 and with a rated current of **13-amps** should be used. If there is a fuse cover fitted, this cover must be re-fitted after changing the fuse. If the fuse cover is lost or damaged the plug must not be used. Spare fuse holders and fuses are available from electrical outlets. If the socket outlets in your home or office are not suitable for this product's plug, the plug must be removed and disposed of safely. Attempts to insert the plug into the wrong socket is likely to cause electric hazard. A replacement plug should be wired according to the following instructions:

The cable

A mains electricity cable contains two or three inner wires. Each has a core of copper and an outer layer of flexible plastic. This product is **double insulated**; the wires in the cord set are colour coded in the following way:

BLUE	NEUTRAL
BROWN	LIVE
GREEN & YELLOW	EARTH

The diagram below shows the key features of a correctly wired three-pin mains plug.



Note:

Double insulated appliances do not need the green & yellow Earth wire. They may only have the Brown and Blue wires.

DISPOSAL

- Dispose of all packaging, paper, cartons and plastic, plastic bags in accordance with your local recycling regulations.
- At the end of the product's lifespan please dispose of it at an authorised household WEEE waste recycling centre.



*Calls cost 7 pence per minute plus your telephone company's network access charge

Head Office, 11 Bridge Street,
Bishop's Stortford CM23 2JU
Tel: 0844 482 4400*
Fax: 01279 756 595
www.coopersofstortford.co.uk

Coopers
OF STORTFORD