



## ORIGINAL INSTRUCTIONS

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## Welcome to Lumberjack!

Dear Customer, Congratulations on your purchase. Before using the product for the first time please be sure to read these instructions for use.

They provide you with all the information necessary for using the product safely and to ensure its long service life.

Closely observe all safety information in these instructions!

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# GENERAL POWER TOOL SAFETY WARNINGS

**WARNING Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

**Save all warnings and instructions for future reference.** The term "power tool" in the warnings refers to your electric (corded) power tool or battery-operated (cordless) power tool.

## 1. Work area safety

**a) Keep work area clean and well lit.** Cluttered or dark areas invite accidents.

**b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.

**c) Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

## 2. Electrical safety

**a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.

**b) Avoid body contact with grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.

**c) Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

**d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.

**e) When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

**f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

## 3. Personal safety

**a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.

**b) Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

**c) Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

**d) Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

# GENERAL POWER TOOL SAFETY WARNINGS

**e) Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

**f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.

**g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

## 4. Power tool use and care

**a) Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.

**b) Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

**c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

**d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

**e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

**f) Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

**g) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

## 5. Service

**a) Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

**b) If the replacement of the supply cord is necessary, this has to be done by the manufacturer or its agent in order to avoid a safety hazard.**



# GENERAL POWER TOOL SAFETY WARNINGS

## 6 Additional Warnings for Bench Grinder

**a) Firmly bolt the grinder to a work bench or leg stand** at approximately hip height.

**b) Never** reach to pick up a workpiece, a piece of scrap, or anything else that is in or near the grinding path of the wheel.

**c) Avoid awkward operations and hand positions** where a sudden slip could cause your hand to move into the wheel. Always make sure you have good balance.

**d) Never** stand or have any part of your body in line with the path of the wheel.

**e) Do not turn the motor switch on and off rapidly.** This could cause the wheel to loosen and could create a hazard. Should this ever occur, stand clear and allow the wheel to come to a complete stop. Disconnect your grinder from the power supply and securely retighten the wheel nut.

**f) Use only flanges** furnished with this bench grinder.

**g) If any part of this grinder is missing** or should break, bend, or fail in anyway, or should any electrical component fail to perform properly, shut off the power switch, remove the machine plug from the power source and have damaged, missing, or failed parts replaced before resuming operation.

**h) Do not overtighten the wheel nut.** Excessive tightening can cause the wheel to crack during operation.

**i) Always use the grinder's wheel guards and safety shields.**

**j) Inspect grinding wheel** for visible defects. Check the wheel for fissures and cracks, and test for normal operation prior to use. Replace cracked wheel immediately.

**k) Adjust** distance between wheel and work rest to maintain 1/16" or less separation as the diameter of the wheel decreases with use. The value of separation used in the marking is to be the separation recommended by the manufacturer but shall not be more than 1/8".

**l) Always ease the workpiece against the abrasive wheel** when starting to grind. A harsh impact can break the wheel. Use light pressure when starting to grind; too much pressure on a cold wheel can cause the wheel to crack.

**m) Never start the grinder** when the wheel is in contact with the workpiece.

**n) Secure work.** Always hold workpiece firmly against the work rest.

**o) Do not use the bench grinder** if the flange nut or clamp nut is missing or if the spindle shaft is bent.

**p) Frequently** clean grinding dust from beneath the grinder.

**q) Secure long hair** so it is above shoulder level to prevent entanglement in any rotating parts.

**r) Stay alert and exercise control.** Watch what you are doing and use common sense. do not operate tool when you are tired. do not rush.

# GENERAL POWER TOOL SAFETY WARNINGS

**s) Do not touch** the cut material until it cools.

**t) If the power supply cord is damaged**, it must be replaced only by the manufacturer or by an authorised service centre to avoid risk.

**u) Make sure the grinder is securely mounted** as described in the assembly instructions before connecting the tool to a power supply.

**w) Save these instructions.** Refer to them frequently and use to instruct other users. If you loan someone this tool, loan them these instructions also.

## 7. Using an Extension Cable.

**a) If an extension cable is required**, use an approved triple core extension cable suitable for the power input of the tool.

**b) Grounded tools** always require a three wire extension cable.

**c) As the distance from the supply outlet increases** you must use a heavier gauge extension cable. Using extension cables with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage.

**d) The smaller the gauge number of the wire** the greater the capacity of the cord.

**f) When using a cable reel**, always unwind the cable completely.

# SYMBOLS AND MACHINE DETAILS



**Danger! – Read the operating instructions to reduce the risk of injury.**



**Caution! Wear safety goggles.**



**Caution! Wear ear defenders.**



**Caution! Risk of Injury! Do not reach into the running saw blade.**



**Caution! Wear a dust mask.**

## Machine Details

### Specifications:

Mains Voltage -	230V / 50Hz
Power Consumption -	250W
No load Speed - Wet	320rpm 200 x
Stone Diameter - Dry	25mm 125 x
Stone Diameter -	50mm

Gross Weight -	16.7kg
Nett Weight -	17kg

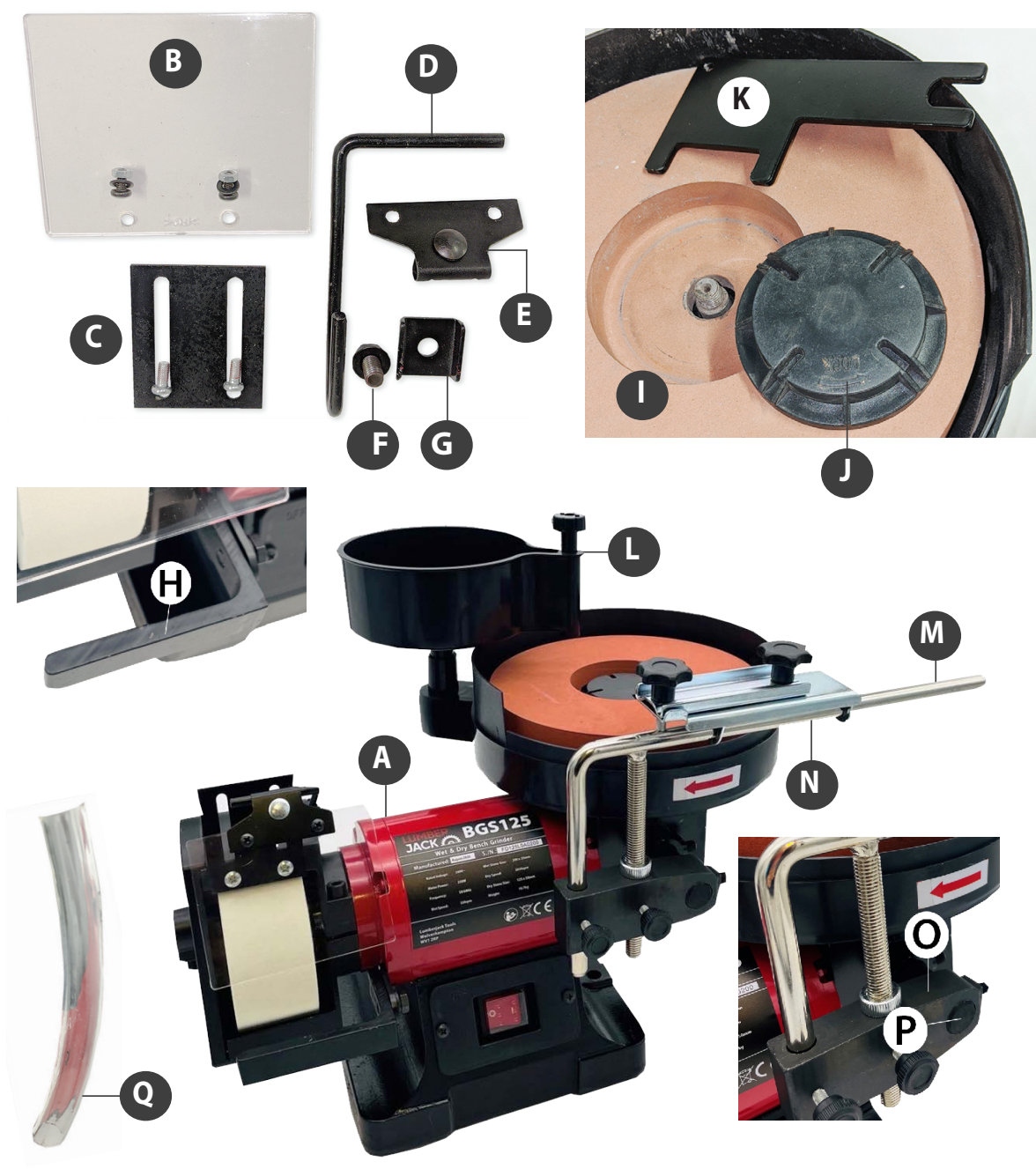
### Package Includes:

Dry Stone  
Wet Stone  
Eye Shield Water  
Bath Tool Rest

# WHAT'S INCLUDED

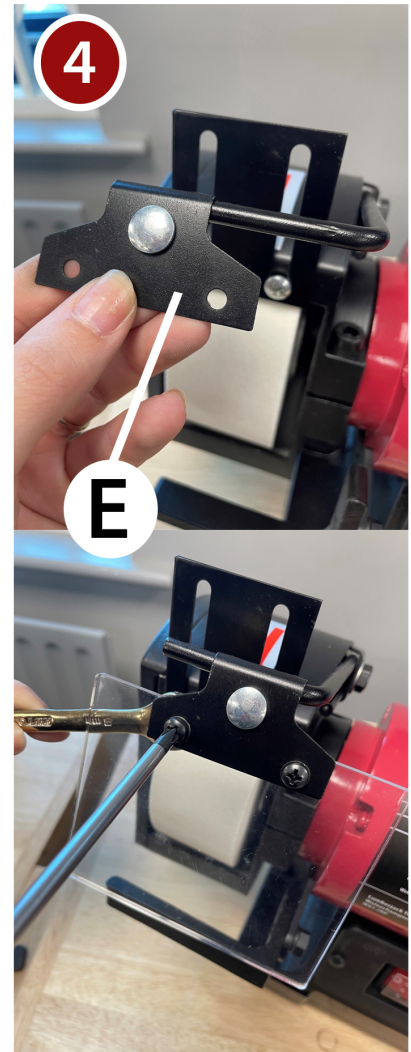
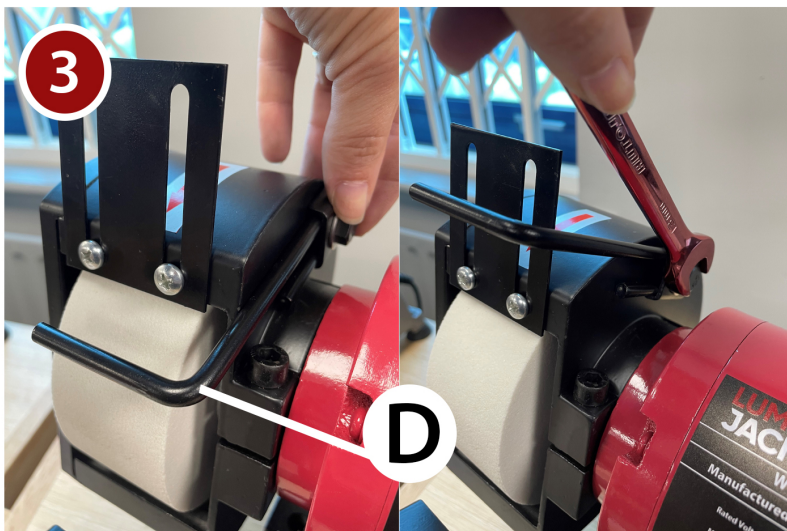
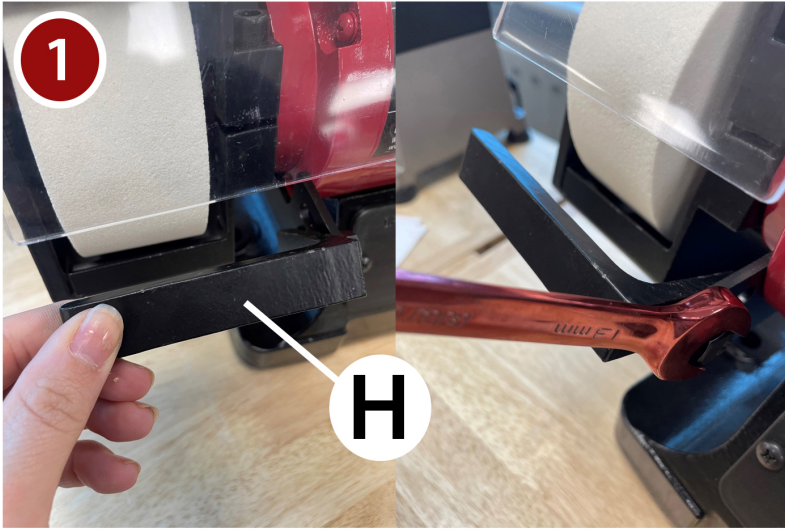
Quantity	Item	Part
1	Wet & Dry Grinder	A
1	Eye shield & fixing screws, nuts	B
1	Spark guard bracket & fixing screws	C
1	Eye shield mounting bar	D
1	Eye shield mounting bracket	E
1	Threaded bolt	F
1	Mounting bar square bracket	G
1	Tool rest, nut & washer	H

Quantity	Item	Part
1	Wet stone grinding stone	I
1	Wet stone locking clamp	J
1	Wet stone locking spanner	K
1	Water container & regulator	L
1	Universal support bar	M
1	Square edge jig	N
1	Universal support bar holder	O
1	Support bar	P
1	Water trough drain hose	Q



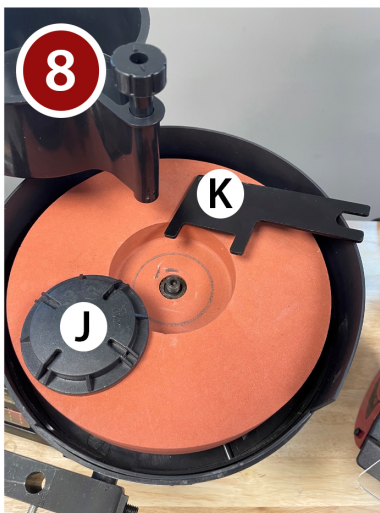
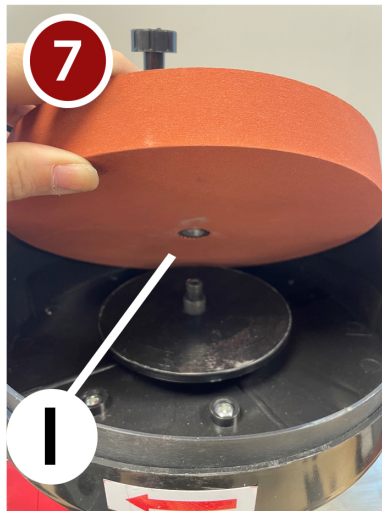


# PART 1



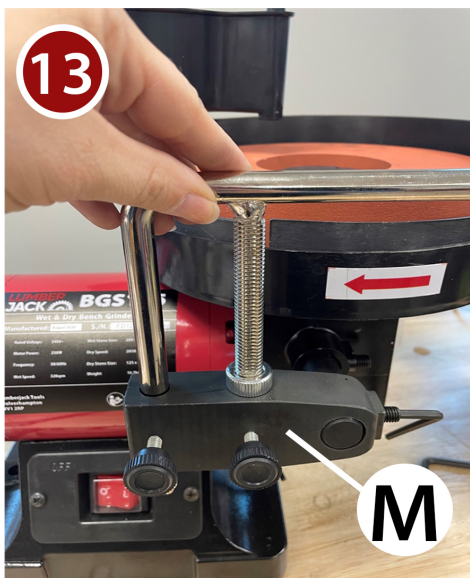


# PART 2





# PART 3



# OPERATING INSTRUCTIONS



**WARNING! KEEP TOOLS AND EQUIPMENT OUT OF THE REACH OF YOUNG CHILDREN**

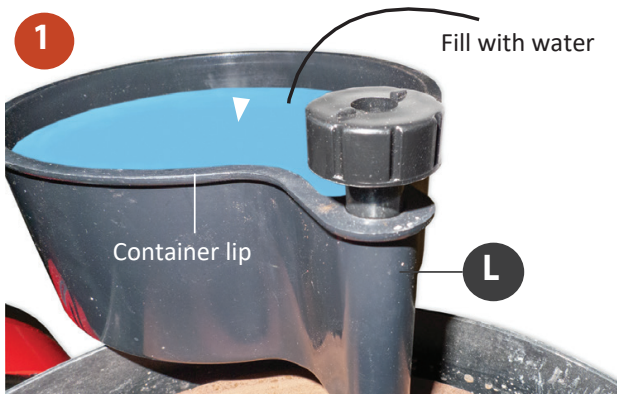


**CONNECT THE WET & DRY GRINDER TO THE MAINS SUPPLY.**

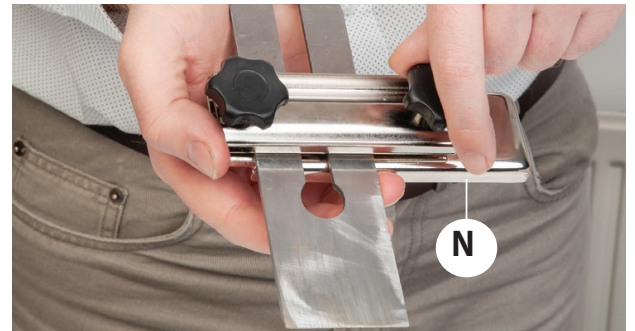


**ALWAYS WEAR EAR DEFENDERS AND SAFETY GOGGLES.**

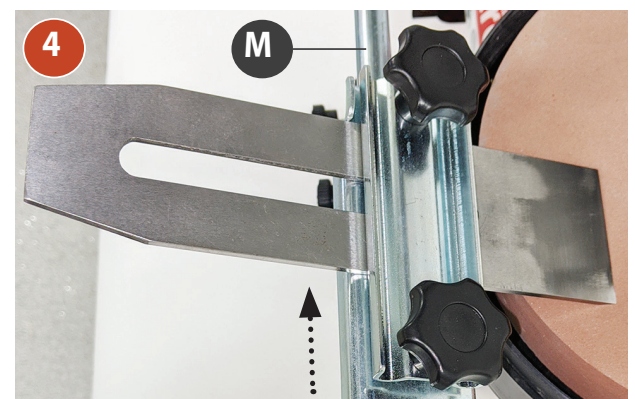
Carry out final checks e.g. check the gap between the tool rest and the stone is correct, check the stones are not badly deformed (rounded edges, grooved face, etc; unless you have specifically shaped the stone to these profiles), check the eye shield is correctly positioned. Have a cooling pot to hand if you need it. Fill the water container (L) to a level about 15-20mm below the lip of the container, see fig 01



Mark the bevel with a marker to allow you to see where the grinding will occur.



Place the tool into the jig (N) around half way along the blade and position it against the jig's stops, see fig 3. Tighten the clamping knobs. Slide the assembly onto the universal bar (M), see fig 04.



The most common secondary bevel is 30° when the main body of the tool is ground at 25°. The chart below gives you some guidance as to which angle is most suited to which materials.



# OPERATING INSTRUCTIONS

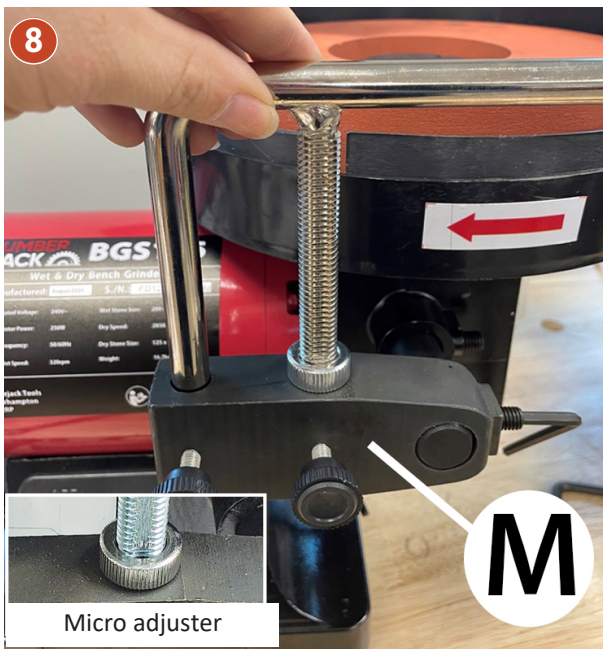
## Bevel edge chisels

Primary Bevel		Secondary Bevel
20°	Paring	N/A
25°	12mm-50mm	27° - 30°
30°	6mm-10mm	32° - 35°

In general, secondary bevels can be between 2° and 5°

Primary Bevel		Secondary Bevel
<b>Mortice chisels</b>		
30°		No secondary bevel needed
<b>Plane blades</b>		
25°		30°

Bevel up blades can be sharpened at different angles dependant on the grain and difficulty of the timber.

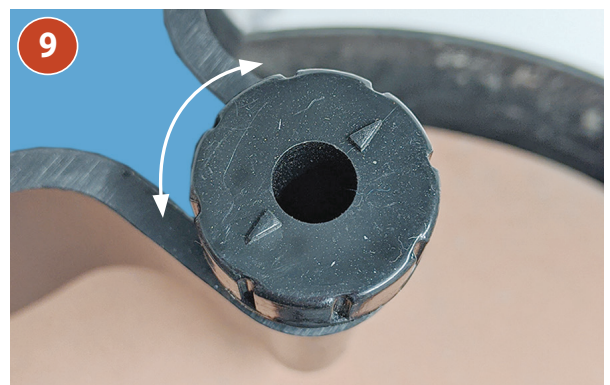


Using an angle gauge, adjust the universal support bar with the micro adjuster (M) to set the 'Primary Bevel' at 25° degrees. Make sure the heel of the bevel touches the grinding stone, see fig 06-08. Turn the wet stone (I) by hand to check the full width of the 'Primary Bevel' is in contact with the stone. Make adjustments to the universal support bar until even contact.



**CLEAR ALL TOOLS AWAY FROM WORK AREA!**

Check that everything is secure, place a container under the water trough drain hose (Q). Make sure the bevel is not in contact with the wet stone and switch on the grinder. Wait until it reaches full speed. Check it runs smoothly, no knocking or scraping noises for example. Twist the regulator knob to allow water to cascade down onto the wet stone. Allow the water to cover the stone.



Lower the blade so it is in contact with the revolving stone. Observe how the water flows over the width of the blade. This is very important to create an even bevel. Keep light finger pressure on the tool and slide it from left to right.

# OPERATING INSTRUCTIONS

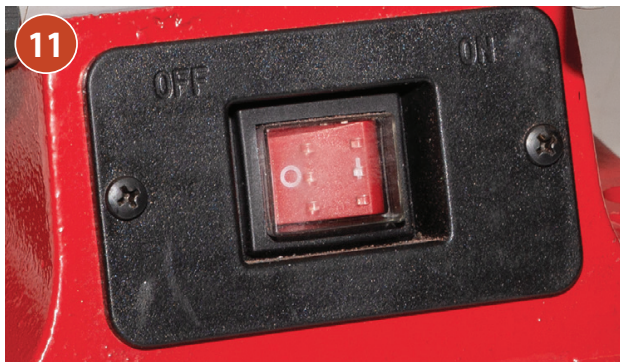


After a number of passes wipe the blade to assess the progress. A new, very bright line should appear which needs to be even across the length of the blade. If the honed edge appears one-sided simply return the guide and tool to the water stone and draw back again applying more pressure to the side with the least apparent grind. You should apply slightly more pressure to the side least ground.

The secondary bevel will work even if it is very small. It doesn't need to be much more than 1.0mm in width for it to achieve the desired effect. When finished switch off the grinder.



**SWITCH OFF THE MACHINE!**



**Tip:** Before removing the blade from the square edge jig (N), use a marker to mark the position of bevel angle as shown in fig 12. This will allow you to clamp the blade in the same position the next time it needs re-sharpening.

As with all tools, this guide will need care and a fair degree of familiarisation before the user is able to get perfect results. You might want to spend time on sharpening some old tools first.

Remember, any edge is a combination of two faces. The tools, no matter how finely ground, will need to have had their reverse side flattened and honed so that it is as equally fine as the bevel edge is ground.

# MAINTENANCE AND SERVICE

## Maintenance and Service

### Maintenance and Cleaning

**WARNING:** When servicing, use only identical replacement parts. Use of any other parts could create a hazard or cause product damage.

**WARNING:** Always wear eye protection with side shields marked to comply. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

### GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

**WARNING:** Do not at any time let brake fluids, fuel, petroleum based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which could result in serious personal injury.

### Lubrication

All of the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. Therefore, no further lubrication is required.

### Power supply cord replacement

If replacement of the power supply cord is necessary, this must be done by an authorised service centre in order to avoid a safety hazard.

# LUMBERJACK GUARANTEE

## 1. Guarantee

**1.1** Lumberjack guarantees that for a period of 12 months from the date of purchase the components of qualifying products (see clauses 1.2.1 to 1.2.8) will be free from defects caused by faulty construction or manufacture.

**1.2.** During this period Lumberjack, will repair or replace free of charge any parts which are proved to be faulty in accordance with paragraph 1.1 providing that:

**1.2.1** You follow the claims procedure set out in clause 2

**1.2.2** Lumberjack and its authorised dealers are given reasonable opportunity after receiving notice of the claim to examine the product

**1.2.3** If asked to do so by Lumberjack or its Authorised dealer, you return the product at your own cost to Lumberjack's or supplying Authorised Dealer's premises, for the examination to take place clearly stating the Returns Material Authorisation number given by Lumberjack or an Authorised Dealer.

**1.2.4** The fault in question is not caused by industrial use, accidental damage, fair wear and tear, wilful damage, neglect, incorrect electrical connection, misuse, or alteration or repair of the product without approval.

**1.2.5** The product has been used in a domestic environment only

**1.2.6** The fault does not relate to consumable items such as blades, bearings, drive belts, or other wearing parts which can reasonably be expected to wear at different rates depending on usage.

**1.2.7** The product has not been used for hire purposes.

**1.2.8** The product has been purchased by you as the guarantee is not transferable from a private sale.

## 2. Claims Procedure

**2.1** In the first instance please contact the Authorised Dealer who supplied the product to you. In our experience many initial problems with machines that are thought to be faulty due to faulty parts are actually solved by correct setting up or adjustment of the machine. A good Authorised Dealer should be able to resolve the majority of these issues much more quickly than processing a claim under the guarantee. If a return is requested by the Authorised Dealer or Lumberjack, you will be provided with a Returns Material Authorisation number which must be clearly stated on the returned package, and any accompanying correspondence. Failure to provide a Returns Material Authorisation number may result in item being refused delivery at Authorised Dealer.

**2.2** Any issues with the product resulting in a potential claim under the guarantee must be reported to the Authorised Dealer from which it was purchased within 48 hours of Receipt.

**2.3** If the Authorised Dealer who supplied the product to you has been unable to satisfy your query, any claims made under this Guarantee should be made directly to Lumberjack. The Claim itself should be made in a letter setting out the date and place of purchase, giving a brief explanation of the problem which has led to the claim. This letter should be then sent with proof



# LUMBERJACK GUARANTEE

of purchase to Lumberjack. If you include a contact number with this it will speed your claim up.

**2.4** Please note that it is essential that the letter of claim reaches Lumberjack on the last day of this Guarantee at the latest. Late claims will not be considered.

## **3. Limitation of Liability**

**3.1** We only supply products for domestic and private use. You agree not to use the product for any commercial, business or resale purposes and we have no liability to you for any loss of profit, loss of business, business interruption or loss of business opportunity.

**3.2** This Guarantee does not confer any rights other than those expressly set out above and does not cover any claims for consequential loss or damage. This Guarantee is offered as an extra benefit and does not affect your statutory rights as a consumer.

## **4. Notice**

This Guarantee applies to all product purchased from an Authorised Dealer of Lumberjack within the United Kingdom. Terms of Guarantee may vary in other countries.

## CE DECLARATION OF CONFORMITY

### TOOLSAVE

Unit C, Manders Ind. Est.,  
Old Heath Road, Wolverhampton,  
WV1 2RP.

Tel: 01902 450 470

Declares that the Wet & Dry Bench Grinder (BGS125)  
Is in compliance with the regulations included in the Directives:2006/95/EC

## EC DECLARATION OF CONFORMITY

Certificate for EC-type examination delivered by Intertek Testing Services Ltd.,Shanghai,ETL Semko  
Building No.86,1198 Qinzhou Road(North),Caohejing Development Zone,Shanghai 200233,China.

(Verification No.:xxxxxxxxxx)

Person who declares: Bill Evans

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25/08/2020

The Director

A handwritten signature in black ink, appearing to be 'Bill Evans', written over a faint circular stamp.

# Parts List

NO.	Description	Qty
1	Cover plate	1
2	Wheel flange	2
3	Dry grinding wheel 125x50x12.7mm 80#	1
4	Wheel guard	1
5	Hexagon screw M8x40	1
6	Eye shield support fix piece	1
7	Flat washer D8	1
8	Hexagon bolt M8x14	1
9	Phillips screw M4x10	2
10	Cup head square neck screw M6x16	1
11	Eye shield pressing plate	1
12	Eye shield	1
13	Flat washer D4	12
14	Type I hex nut M4	6
15	Flat washer D6	1
16	Hex screw M6x16	3
17	Special locking nut	1
18	Wet grinding wheel 200x25x12.7mm 320#	1
19	Water flow regulating rod	1
20	Water cup	1
21	Plate	1
22	Wet grinding wheel guard	1
24	Plain knife jig assembly	1
25	F bar tool holder	1
26	F bar support piece	1
27	Locking knob M6x16	1
28	Spark deflector	2
29	Flat washer D5	1
30	Phillips screw M5x8	1
31	Hex screw M3x10	1
32	Small cover plate	1

33	Set screw M8x20	3
37	Phillips screw M4x8	11
38	Water pipe	1
39	Box cover plate	1
41	Worm	1
42	Elastic cylindrical pin 4x22	1
43	Phillips screw M4x7	2
44	Worm wheel shaft	1
45	Short shaft	1
46	Box	1
47	Eye shield support	6
48	Right end cover	1
49	Rotor	1
50	Motor housing	1
51	Left end cover	1
52	Phillips screw M4x145	4
53	Spring washer D8	2
54	Work rest	1
55	Work rest support	1
56	Spring washer D6	2
57	Base	1
58	Phillips screw M5x8	4
59	Switch	1
60	Phillips screw M6x20	2
61	Base plate	1
62	Rubber foot	4
63	Capacitor 14μF/300V	1
64	Capacitor support	1
65	Type I hex nut M8	1
66	Phillips screw M5x12	4
67	Power cord	1
68	Cir-clip for shaft D15	2
69	Bearing	2

# Parts Diagram

