



Woodworking machinery at its best!

9" BANDSAW OPERATORS MANUAL

MODEL: B225



**Charnwood, Cedar Court, Walker Road,
Hilltop Industrial Estate, Bardon Hill, Leicestershire, LE67 1TU**

**Tel. 01530 516 926
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GENERAL SAFETY RULES



WARNING: Do not attempt to operate the machine until you have thoroughly read and completely understood all instructions, rules, etc. contained in this manual. Failure to comply may result in accidents involving fire, electric shock, or serious personal injury. Keep this owner's manual and review frequently for continuous safe operation.

1. Know your machine. For your own safety, read the owner's manual carefully. Learn its application and limitations, as well as specific potential hazards pertinent to this machine.
2. Make sure all tools are properly earthed.
3. Keep guards in place and in working order. If a guard must be removed for maintenance or cleaning, make sure it is properly replaced before using the machine again.
4. Remove adjusting keys and spanners. Form a habit of checking to see that the keys and adjusting spanners are removed from the machine before switching it on.
5. Keep your work area clean. Cluttered areas and workbenches increase the chance of an accident.
6. Do not use in dangerous environments. Do not use power tools in damp or wet locations, or expose them to rain. Keep work areas well illuminated.
7. Keep children away. All visitors should be kept a safe distance from the work area.
8. Make workshop childproof. Use padlocks, master switches and remove starter keys.
9. Do not force the machine. It will do the job better and be safer at the rate for which it is designed.
10. Use the right tools. Do not force the machine or attachments to do a job for which they are not designed. Contact the manufacturer or distributor if there is any question about the machine's suitability for a particular task.
11. Wear proper apparel. Avoid loose clothing, gloves, ties, rings, bracelets, and jewellery which could get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.
12. Always use safety glasses. Normal spectacles only have impact resistant lenses. They are not safety glasses.
13. Do not over-reach. Keep proper footing and balance at all times.
14. Maintain the machine in good condition. Keep the machine clean for best and safest performance. Follow instructions for lubrication and changing accessories.
15. Disconnect the machine from its power source before servicing and when changing the blade.
16. Never leave the machine running unattended. Turn the power off. Do not leave the machine until it comes to a complete stop.
17. Do not use any power tools while under the effects of drugs, alcohol or medication.
18. Always wear a face or dust mask if operation creates a lot of dust and/or chips. Always operate the tool in a well ventilated area and provide for proper dust removal. Use a suitable dust extractor.

ADDITIONAL RULES FOR BAND SAWS

1. Ensure that the saw table is clear of off-cuts, tools or anything else that might foul the work-piece.
2. When cutting long boards use one or more roller stand(s) to support the work or have a competent helper to support it as it feeds off the rear of the table.
3. Always make sure that the blade is tracked and tensioned correctly before starting to use the saw.
4. Always use a brush to clear the table of dust or debris. **NEVER** use your hands, especially when the machine is running.
5. Always ensure that the thrust bearings and/or guide blocks are correctly adjusted before using the saw.
6. ALWAYS USE A PUSH STICK WHEN IT IS NECESSARY TO PUSH ANY PIECE OF MATERIAL OF SUCH SIZE THAT IT WOULD BRING YOUR HANDS WITHIN 30 CM OF THE BLADE.
7. Do not cut material that is badly warped or which has screws or nails in it.
8. Be extra vigilant when cutting stock which has loose knots in it as these may fly out of the saw.
9. NEVER tilt the table when the saw is running.
10. To avoid exposure to hazardous dust, do not use this saw without connecting it to a suitable dust extractor.
11. Always work with a sharp saw blade and feed the work at a rate suited to the thickness and hardness of the material.
12. Do not try to operate the saw with the doors open. There are safety interlocks to prevent this. Do NOT try to override them.

Note: This band saw has been designed and built solely as a woodworking machine. Do not modify it in any way or use it for anything other than its designated purpose. Neither the manufactures nor the supplier are liable for any damage or injury caused by incorrect assembly, operation or electrical connection of this machine.

Important:



Risk of Injury!
Never reach into
the running saw blade.



Wear Eye
Protection



Wear Ear
Protection

B225 Specification

Table size	300mm x 300mm
Table height form bench	333mm
Motor (Induction)	300W (0.4hp)
Blade length	1575mm (62")
Blade widths	6mm to 10mm (1/4" to 3/8")
Blade speeds (no load)	635m/min
Maximum depth of cut at 90	90 mm (2.5")
Throat capacity	228mm (9")
Dust Extractor Outlet	53mm OD / 48mm ID
Weight	20kg
Dimensions (W x D x H)	480mm x 400mm x 760mm
Rating	Hobby

Rating Description

Hobby Rating – Suitable for weekend DIY'ers and woodworking enthusiasts. Refers to generally lighter weight machines with lower power ratings and smaller tooling capacities. Typically only ever used by one person for short periods of time or longer periods infrequently. Machinery should be well maintained in a clean, dry environment such as a home workshop, garage or timber shed. **Expected maximum use of 100 hours annually.**

Please Note: Using a product in excess of its rating will void the manufacturer's free warranty.

Unpacking



Open the carton and remove all parts from the packaging.

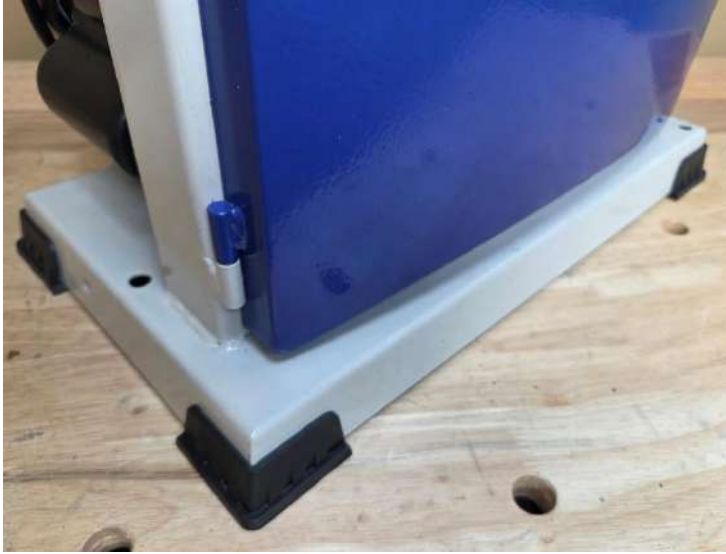
Do Not dispose of the packaging. In the unlikely event that the product needs to be returned the packaging must be re-used.



Familiarise yourself with the components and read this manual.

- 1) Mitre Fence
- 2) Push Stick Hook
- 3) 6mm Hex Key
- 4) 8mm/10mm Spanner
- 5) Feet
- 6) 4mm Hex Key
- 7) Rip Fence
- 8) Push Stick
- 9) Work Table

Assembly



Fit The Feet

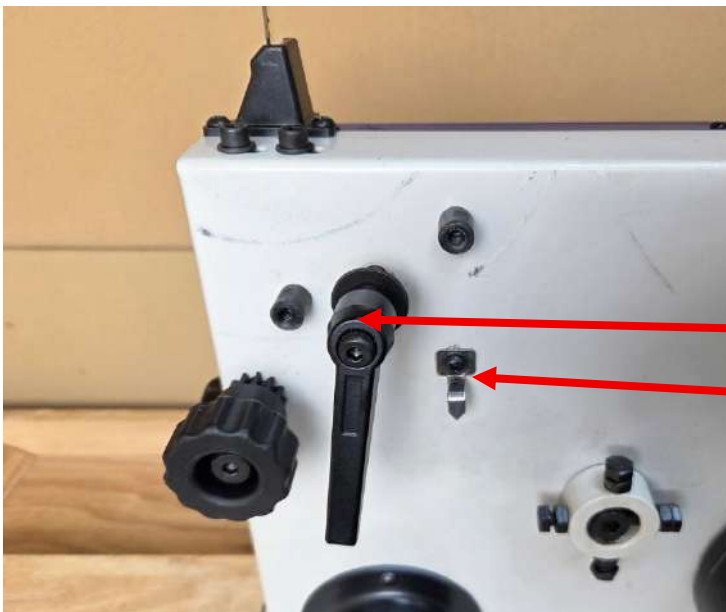
Attach the 4 feet to the base of the bandsaw. Push one onto each corner.



Prepare The Work Table

Undo the wingnut and remove the bolt, washer and D-nut from the front of the table.

Remove the table insert by pushing from the underside.



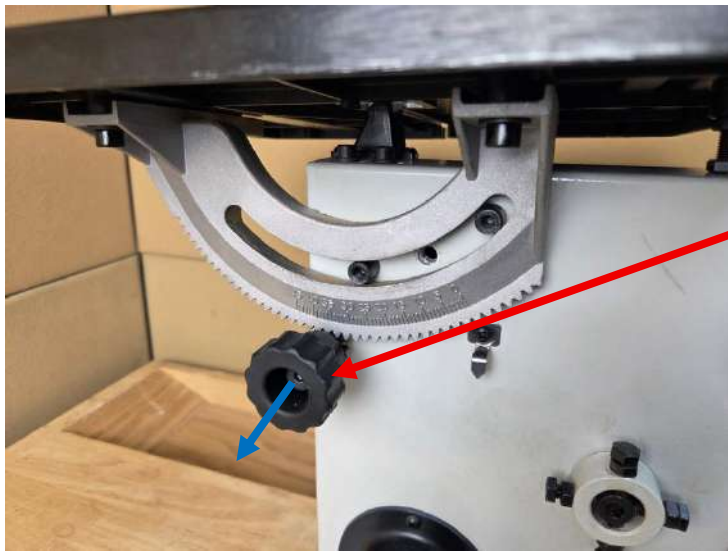
Prepare The Frame

Remove the Table Tilt Lock handle

Loosen the angle pointer and let it swing down so as not to obstruct the table trunnion.

Table Tilt Lock

Angle Pointer



Fit The Work Table

Offer the work table up from behind the bandsaw, so that the blade passes along the slot in the table.

Pull out, away from the frame, the Table Tilt Adjuster.

Tilt the work table backwards and fit the teeth of the table trunnion into the gap behind the tilt adjuster. Next tilt the table forward so that the two guides fit into the curved guide slot.

Release the Table Tilt Adjuster and rotate it so that the teeth are engaged with the trunnion teeth.



Set The Work Table

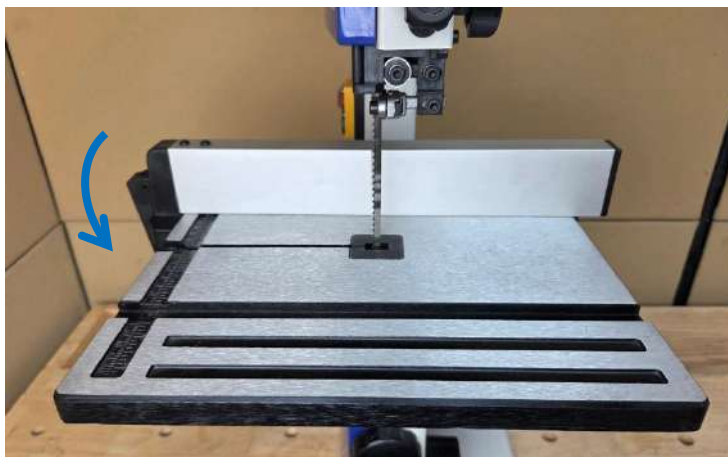
Refit the Table Tilt Lock.

Use a square to set the table at 90 degrees to the blade and then tighten the locking handle.

Set the Angle Pointer to the Zero position and tighten the screw.

Use a 10mm spanner to set the return stop. Wind the bolt out until it touches the frame. Tighten the nut to keep it in place.

Refit the table insert. Refit the D-nut, washer and wingnut to the front of the table.



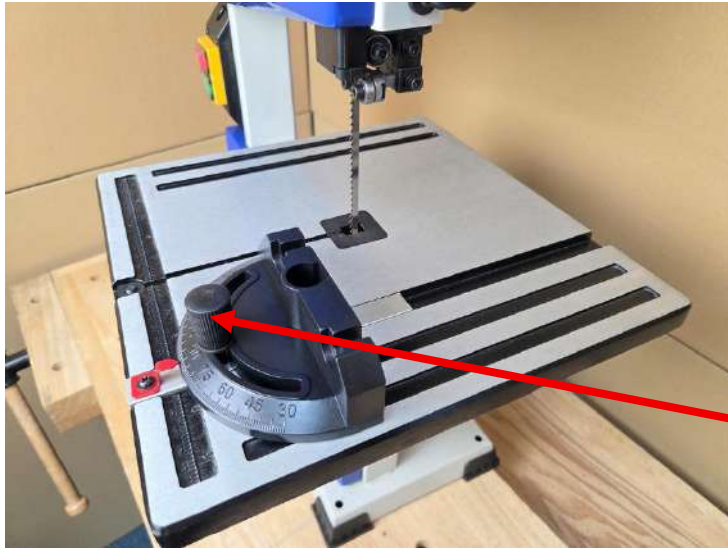
Fit The Rip Cut Fence

Fit the Rip Cut Fence across the Work Table.

Hook it over the front edge of the table, so it sits flat on the table.

Push forward on the front bracket to set the fence parallel to the blade, then press down the front locking lever.

There is a measuring scale across the front of the table to set the width of the cut.



Fit The Cross Cut Fence

Fit the Cross Cut Fence by sliding it into the channel on the right side of the Work Table.

The angle of the fence can be adjusted by loosening the knob and rotating the fence.

It can be set anywhere in a 120 degree range using the scale provided.

Fence Angle Adjuster

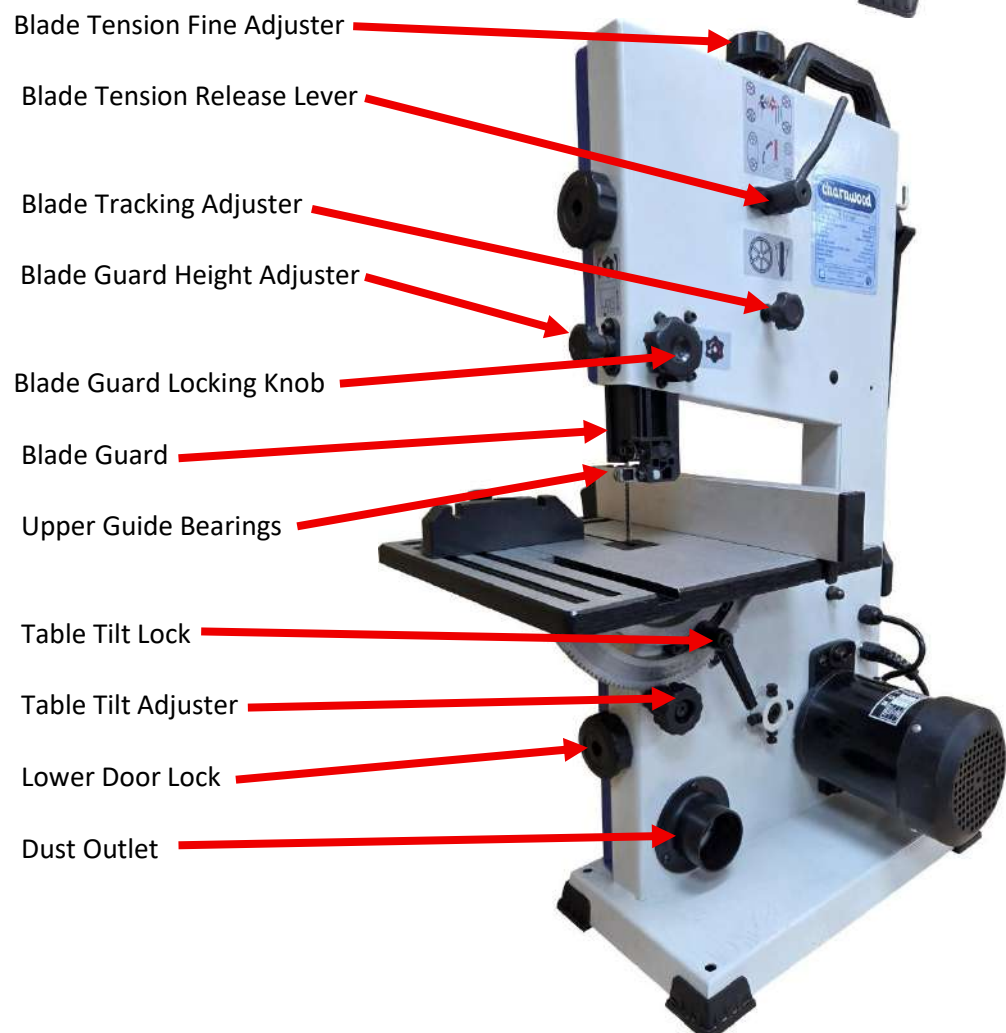
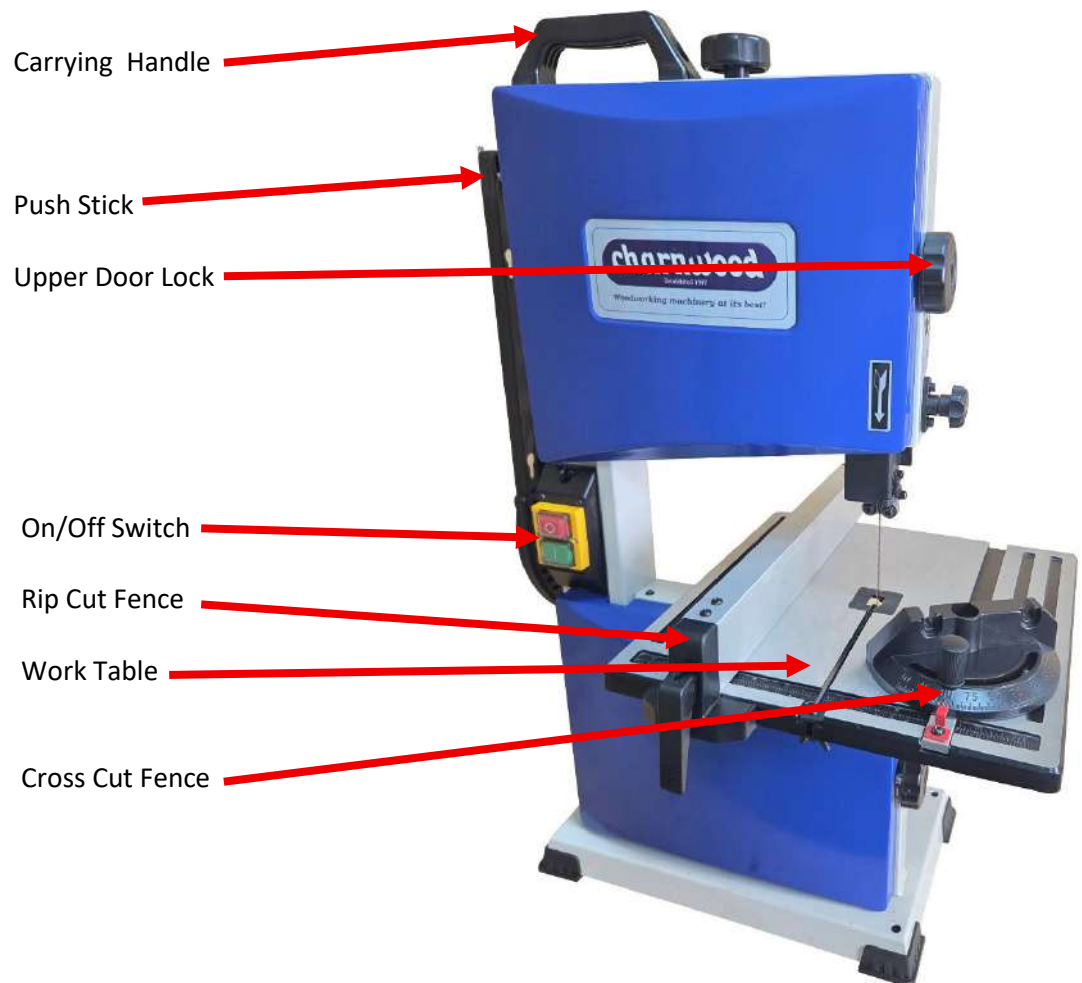


Fit The Push Stick

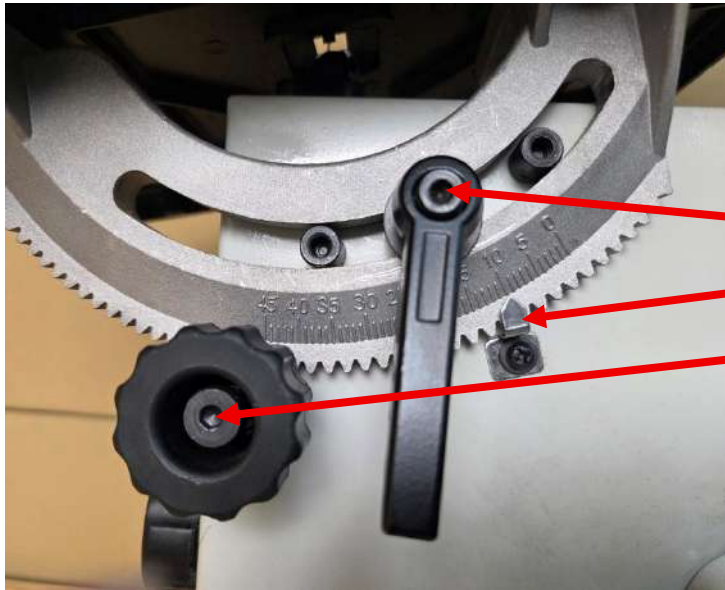
Screw the hook into the side of the frame.

Use a 10mm spanner on the locking nut to secure it.

Familiarise Yourself With The Bandsaw



Setting Up The Bandsaw



Set The Work Table Angle

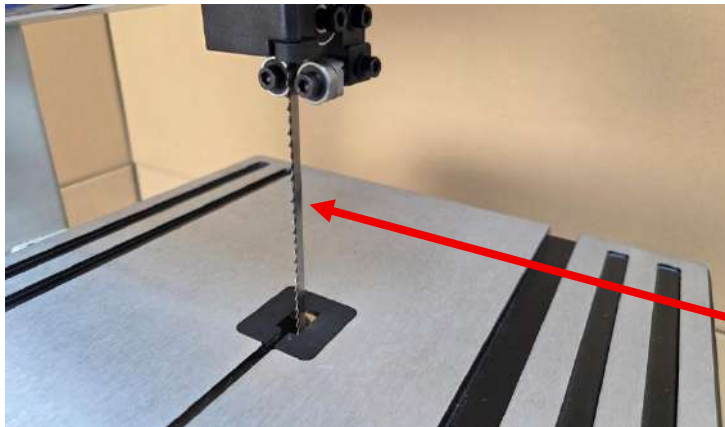
The work table angle can be adjusted from 90 degrees, for a straight cut, to 45 degrees, for a bevel cut.

Table Tilt Lock

Angle Pointer

Table Tilt Adjuster

To adjust the table angle:
Loosen the lock.
Rotate the tilt adjuster until the desired angle is aligned with the angle pointer.
Tighten the tilt lock.



Set The Blade Tension

Raise the Blade Guard to its highest position and at the midway point between table and guard, press on the side of the blade.

When the blade tension is correctly set, the blade should deflect by 2 to 3mm.

Press the blade here



If necessary, turn the Blade Tension Fine Adjuster clockwise to increase the tension of the blade.

Turn the knob anticlockwise to lower the blade tension.

Blade Tension Fine Adjuster



Set The Blade Tracking

Before first use and when replacing the blade: Check the blade tracking.

Rotate the Door Lock and pull open the upper door. Repeat for the lower door.

(The saw is fitted with interlock switches which prevent the saw from starting when either door is open.)

The blade should be sitting in the centre or to the front of the rubber band on the wheel.

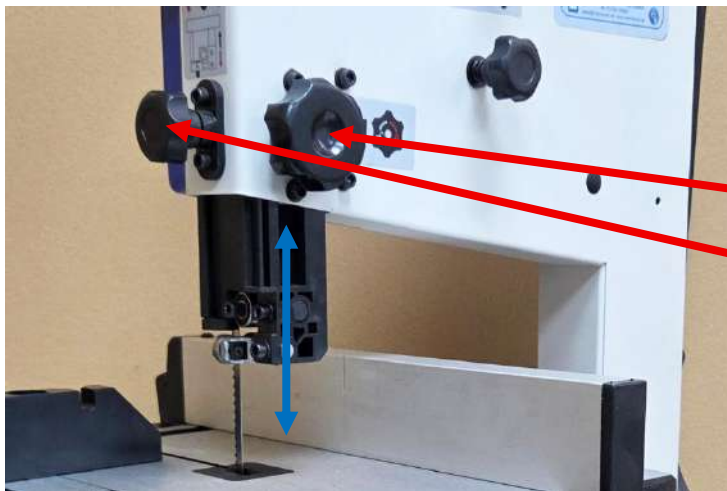
Rotate the top wheel, in a clockwise direction, several turns by hand.



If the blade starts to move towards the front edge of the wheel, turn the Blade Tracking Adjuster clockwise.

Make very small adjustments until the blade is balanced and runs without moving forwards or backwards on the wheel.

Blade Tracking Adjuster



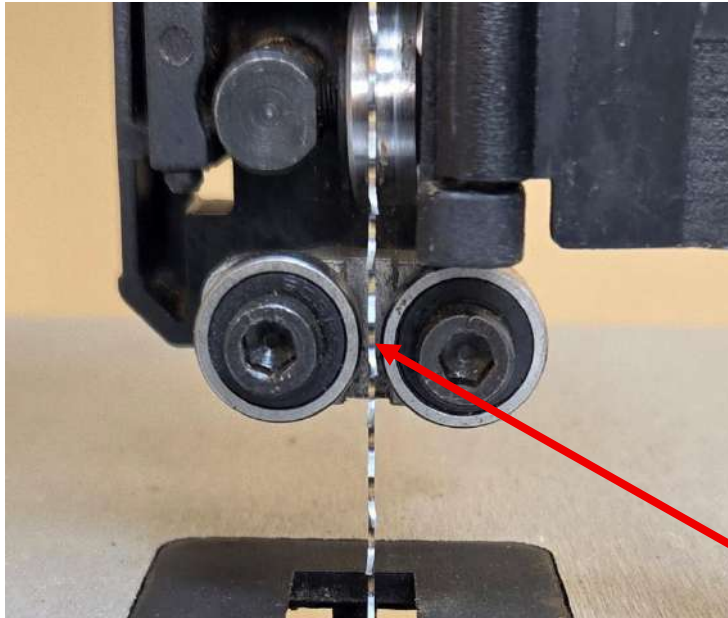
Set The Blade Guard

Always adjust the height of the Blade Guard so that it sits 3mm above the piece to be cut.

Loosen the Blade Guard Locking knob

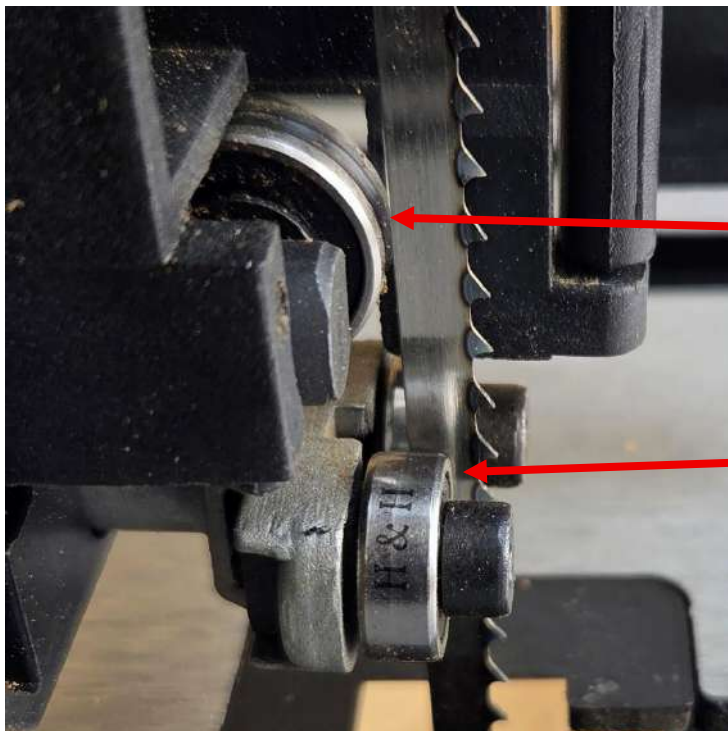
Rotate the Blade Guard Height Adjuster clockwise to lower the guard.

Check the blade guides are correctly positioned and adjust them if necessary.



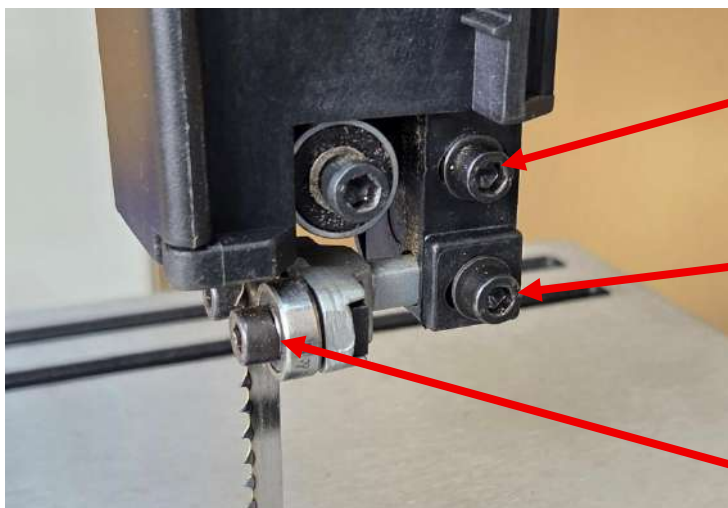
Set The Blade Guides

Side bearings should sit 0.2mm away from the side of the bandsaw blade



Rear thrust bearing should sit 0.5mm from the back of the bandsaw blade

Front of guide bearing sits 1 - 2mm behind the start of the teeth

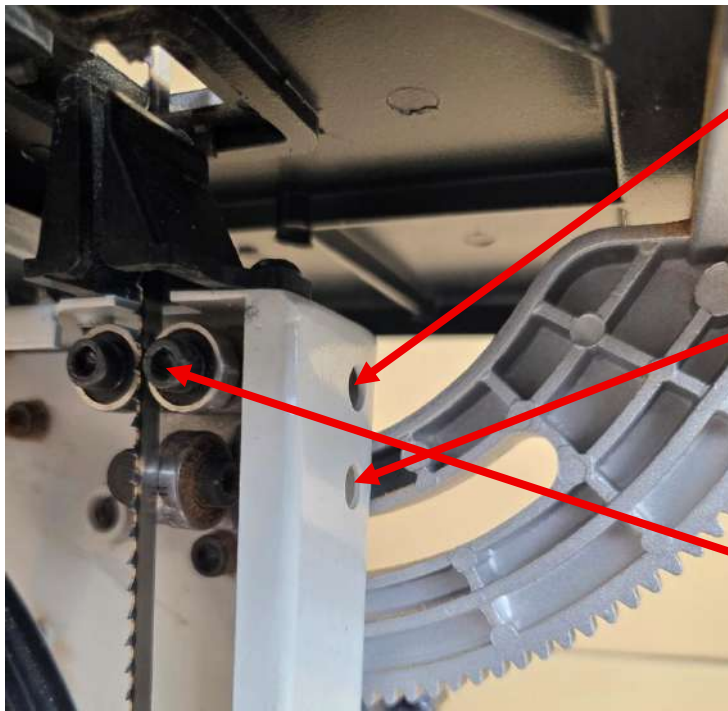


Setting The Upper Blade Guides

Use a 4mm hex key to loosen the screw (A), and adjust the rear thrust bearing to a position of 0.5mm from rear edge of the blade. Retighten the screw (A).

Use a 4mm hex key to loosen screw (B), and adjust side guide bearing position, so that the front edge of the guide bearing is positioned 1 or 2mm behind the teeth of the blade. Retighten screw (B).

Use a 4mm hex key to loosen screw (C) and slide the guide bearing sideways to a position of 0.2mm away from blade. Retighten screw (C). Repeat for the other side.



Setting The Lower Blade Guides

Pass a 4mm hex key through the hole to loosen screw (A), and adjust side guide bearing position, so that the front edge of the guide bearing is positioned 1or 2mm behind the teeth of the blade.
Retighten screw (A).

Pass a 4mm hex key through the hole to loosen the screw (B) and adjust the rear thrust bearing to a position of 0.5mm from rear edge of the blade.
Retighten the screw (B).

Use a 4mm hex key to loosen screw (C) and slide the guide bearing sideways to a position of 0.2mm away from blade.
Retighten screw (C).
Repeat for the other side.

NOTE: Remember to reset the upper and lower guides after changing to a different width of blade.



Dust Extraction

The bandsaw is fitted with an outlet to connect a dust extractor or vacuum cleaner.

Minimum recommended airflow 800m³/hour.

The outside diameter of the outlet is 50mm.

A 50mm hose can be fitted directly onto the outlet or use a reducer to step the outlet to required diameter.

It is strongly recommended that this bandsaw is connected to a suitable dust extraction unit at all times.

Making A Cut

For every type of cut, the blade guard should be lowered so that the bottom edge of the bearing guides are just above the work piece. This is for safety and to better control the blade during the cut.

Always use a push stick so that you keep your fingers at least 10cm from the blade.

For any type of cut: Start the extractor, start the bandsaw, wait for them both to get up to full speed before starting the cut.



Straight Rip Cuts

Ripping cuts are generally made using the guide fence and run along the grain of the timber.

The rip fence may be used on either side of the blade.

Use the embedded scale to set the fence and then lock it into position. Ensure the fence is sitting parallel to the blade.

Lower the blade guard, so it sits just above the work piece.

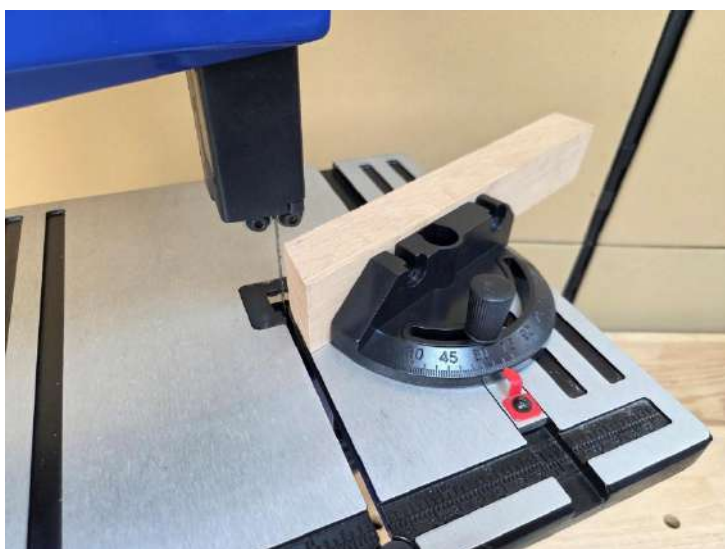
Start the dust extractor.

Start the bandsaw.

Once it is running at full speed, feed the timber into the blade whilst holding it against the guide fence.

Do not force the feed speed, let the blade do the cutting.

Use a push stick when cutting narrow pieces and for the final part of the cut.



Crosscutting

Cutting across the grain is generally done using the mitre fence.

The angle of the fence can be set within a 120 degree range.



Cutting Curves

The bandsaw can be used to cut freehand curves.

Re-set the 4 side bearings, so that they sit further away from the blade and allow it to twist during the cut.

The diameter of the curve you can cut depends on the width of the blade. A narrower blade can cut tighter curves than a wide blade. The table on the left gives a guide.

Note: Once you have cut curves with a blade, the set of the teeth will have changed. After having cut curves with a blade it will not cut so accurately in a straight line. Ideally you should keep one blade for straight cuts and one blade for curved cuts.

Blade width	Min. Diameter
6mm (1/4")	60mm (2.1/2")
10mm (3/8")	100mm (4")

Changing The Saw Blade



Take care as the blade teeth are sharp.
Wear protective gloves if necessary.

To Remove the blade:

Remove the wingnut, washer and D-nut at the front of the table slot.

Open both doors.

Lower the blade guard to its lowest position.

Open the hinged cover of the blade guard.

Rotate the Blade Tension Release Lever anticlockwise to remove the blade tension.

Remove the blade by pulling it forward and guiding it through the slot near the on/off switch.

Follow the instructions in reverse to fit the new blade.

After fitting a new blade, follow the instructions to check:

Blade Tension
Blade Tracking
The Guide bearings

Tensioning The Drive Belt



If the blade ever stalls during a cut, a possible cause is the drive belt has stretched and needs re-tensioning.

Use a 6mm hex key to loosen this bolt.

The motor can then be rotated to re-tension the belt.

Maintenance

Clean the interior of the machine on a regular basis, especially if you use it without a dust extractor connected. Any build up of dust must be removed with a vacuum cleaner as an accumulation will reduce the efficiency of the saw and in an extreme case will pose a fire risk.

It is strongly recommended that this saw is connected to a suitable dust extractor unit.

Troubleshooting

Problem	Cause	Remedy
Machine does not start	Blown Fuse	Replace Fuse
	Loose switch terminal	Inspect back of switch
	Faulty switch	Replace switch
	Doors not closed	(The machine is fitted with a safety interlock switch. The motor will not run if a door is open)
Only starts when Green button is held down	Faulty switch	Replace switch
Motor slows down during operation	Blade is blunt	Replace blade
	Feed Speed is Too high	Feed the Work slower, let the blade do the cutting
	Drive belt is slipping	Re-tension drive belt
	Attempting to take too deep a cut	It may exceed the capacity of the machine
Machine does not run but buzzing noise heard from motor	Failed capacitor	Replace the motor start capacitor.

Declaration of Conformity

Charnwood Declare that Woodworking Band Saw, Model B225

Conforms with the following Directives: Machinery Directive 2006/42/EC
EMC Directive 2004/30/EU

And further conforms to the machinery example for which the EC type examination Certificate No. M8A 028954 0099 and E8A 028954 0075 have been issued by TUV SUD Product Service GmbH, Zertifizierstelle, Ridlerstrasse 65, 80339 Munchen, Germany.

I hereby declare that equipment named above has been tested and found to comply with the relevant sections of the above referenced specifications. The machinery complies with all essential requirements of the directives and regulations.

Signed:  Dated: 10/07/2026 Location: Leicestershire
Richard Cook, Director



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.

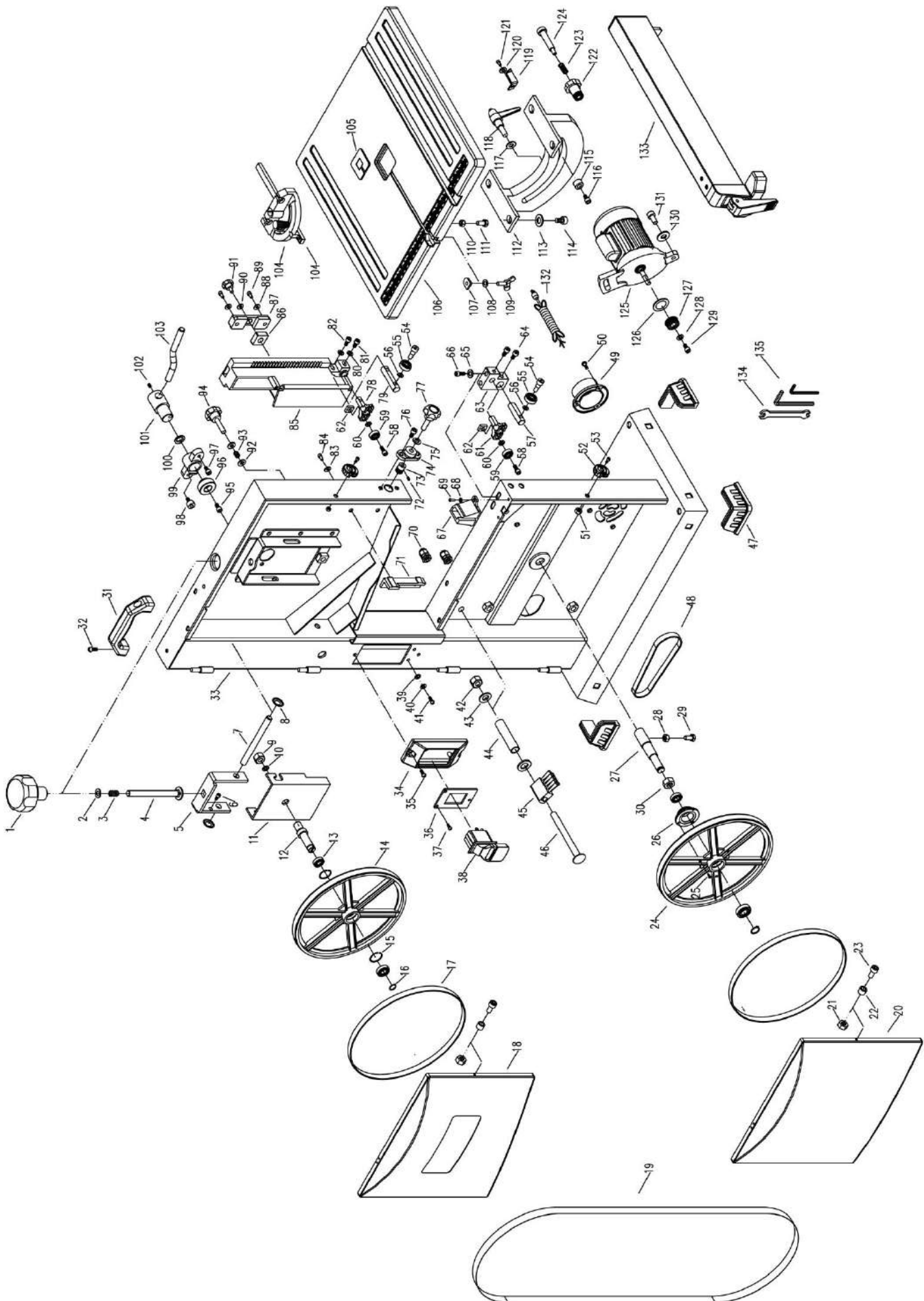


Only for EU countries
Do not dispose of electric tools together with household waste material!
In observance of European Directive 2002/96/EC on waste electrical and electronic equipment (EEE) and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.



Your local refuse amenity will have a separate collection area for EEE goods

B225 Parts Diagram



B225 Parts List

No.	Description	QTY		No.	Description	QTY
001	Blade tension knob	1		069	Pan head screw M4-0.7X10	2
002	Flat washer 8mm	1		070	Strain relief	2
003	Blade tension spring	1		071	Guide plate	1
004	Carriage blot M8-1.25X80	1		072	Set screw M4-0.7X6	1
005	Pulling plate	1		073	Pinion	1
006	Socket head screw M5-0.8X8	1		074	Adjustment knob seat	1
007	Shaft	1		075	Flat washer 6mm	1
008	Lock catch	2		076	Socket head screw M5-0.8X10	2
009	Hex nut M10-1.5	1		077	Adjustment knob	1
010	Lock washer 10mm	1		078	Upper guide block	1
011	Bevel support plate	1		079	Support rod	1
012	Upper wheel shaft	1		080	Flat washer 5mm	2
013	Ball bearing 6000ZZ	4		081	Socket head screw M5-0.8X12	1
014	Upper wheel	1		082	Socket head screw M5-0.8X16	1
015	INT retaining ring 26mm	4		083	Flat washer 5mm	2
016	EXT retaining ring 10mm	2		084	Socket head screw M5-0.8X10	2
017	Tyre	2		085	Upper protecting cover assembly	1
018	Upper wheel cover	1		086	Square nut	1
019	Blade	1		087	Guide block	1
020	Lower wheel cover	1		088	Flat washer 5mm	2
021	Lock nut M6-1.0	2		089	Socket head screw M5-0.8X10	2
022	Bushing	2		090	Flat washer 8mm	1
023	Socket head screw M6-1.0X16	2		091	Locking knob	1
024	Lower wheel	1		092	Flat washer 8mm	2
025	Thread forming screw ST4.8X13	3		093	Spring	1
026	Driven pulley	1		094	Tracking knob	1
027	Lower wheel shaft	1		095	Socket head screw M6-1.0X16	1
028	Hex nut M6-1.0	4		096	Release block	1
029	Hex bolt M6-1.0X16	4		097	Socked head screw M5-0.8X10	1
030	Lock nut M12-1.75	1		098	Limiting screw	1
031	Lifting handle	1		099	Sleeve	1
032	Pan head screw M6-1.0X10	2		100	Wave washer	1
033	Frame	1		101	Shaft	1
034	Switch box	1		102	Set screw M5-0.8X6	1
035	Pan head screw M5-0.8X10	2		103	Release handle	1
036	Switch mounting plate	1		104	Cross Cut Fence	1

037	Thread forming screw ST2.9X9.5	1		105	Table insert	1
038	Switch DKLD DZ-6-2 / 4T	1		106	Work Table	1
039	Lock washer 5mm	2		107	D nut	1
040	Serrate washer 5mm	2		108	Flat washer	1
041	Pan head screw M5-0.8X10	2		109	Wing screw	1
042	Hex nut M8-1.25	1		110	Hex nut M6-1.0	1
043	Flat washer 8mm	2		111	Hex bolt M6-1.0X22	1
044	Bushing	1		112	Bevel case	1
045	Brush	1		113	Flat washer 8mm	4
046	Carriage bolt M8-1.25X65	1		114	Socket head screw M8- 1.25X14	4
047	Foot	4		115	Guide bushing	2
048	Drive Belt 130-XL-037	1		116	Socket head screw M6-1.0X12	2
049	Dust port	1		117	Flat washer 8mm	1
050	Pan head screw M5-0.8X8	3		118	Locking handle	1
051	Lock nut M6-1.0mm	2		119	Pointer	1
052	Catching knob	2		120	Flat washer 5mm	1
053	Socket head screw M6-1.0X16	2		121	Pan head screw M5-0.8X10	1
054	Socket head screw	2		122	Table adjusting handle	1
055	Ball bearing 606ZZ	2		123	Spring	1
056	Flat washer 5mm	2		124	Bolt	1
057	Support rod	1		125	Motor 240v	1
058	Socket head screw M5-0.8X14	4		126	Sponge ring	1
059	Ball bearing 605ZZ	4		127	Motor pulley	1
060	Flat washer 5mm	4		128	Flat washer 5mm	1
061	Lower guide block	1		129	Socket head screw M5-0.8x12	1
062	Square nut M5-0.8	4		130	Flat washer 8mm	2
063	Support block	1		131	Socket head screw M8- 1.25X25	2
064	Socket head screw M5-0.8X12	2		132	Power cord	1
065	Flat washer 6mm	2		133	Rip Fence assembly	1
066	Socket head screw M6-1.0X10	2		134	Open spanner	1
067	Lower protecting cover	1		135	Hex wrench	2
068	Flat washer 4mm	2		136	Motor Capacitor 10uf 450VAC	1



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