

DRAPER®

INSTRUCTIONS FOR Two Wheel Bandsaw

Stock No.76238

Part No.BS350C

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.



DRAPER®

GENERAL INFORMATION

Read all these instructions before operating this product and save these instructions.

This manual has been compiled by Draper Tools and is an integrated part of the product with which it is enclosed and should be kept with it for future references.

This manual describes the purpose for which the product has been designed and contains all the necessary information to ensure its correct and safe use. We recommend that this manual is read before any operation or, before performing any kind of adjustment to the product and prior to any maintenance tasks. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.



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GUARANTEE

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF, England.

Telephone Sales Desk: (023) 8049 4333 or Product Helpline (023) 8049 4344.

A proof of purchase must be provided with the tool.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee period covering parts/labour is 12 months from the date of purchase except where tools are hired out when the guarantee period is ninety days from the date of purchase. The guarantee is extended to 24 months for parts only. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

Note: If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the guarantee period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights.

Draper Tools Limited.



SPECIFICATION

The Draper Tools policy of continuous improvement determines the right to change specification without notice.

Stock no.	76238
Part no.....	BS350C
Rated voltage.....	230V
Rated frequency.....	50Hz
Rated input.....	1100W
Maximum throat capacity.....	340mm
Maximum capacity under guide	225mm
Table size	548x400mm
Table height from floor	520mm
Table hight from floor (with stand)	1000mm
Blade speed	400/840m/min
Band saw blade length	2,560mm
Maximum bandsaw blade width	20mm
Sound pressure level	87.9dB(A)
Sound power level	101.3dB(A)
Weight [net].....	82kg

ALWAYS WEAR APPROVED SAFETY GOGGLES, DUSK MASK AND GLOVES.



POWER SUPPLY

CAUTION: Risk of electric shock. Do not open.

This appliance is supplied with a moulded 3 pin mains plug for your safety. The value of the fuse fitted is marked on the pin face of the plug. Should the fuse need replacing, ensure the substitute is of the correct rating, approved to BS1362 and ASTA or BS Kite marked.

ASTA 
BSI 

The fuse cover is removable with a small plain slot screwdriver. Ensure the fuse cover is replaced before attempting to connect the plug to an electrical outlet. If the cover is missing, a replacement must be obtained or the plug replaced with a suitable type.

If a replacement plug is to be fitted this must be carried out by a qualified electrician.

The damaged or incomplete plug, when cut from the cable shall be disabled to prevent connection to a live electrical outlet.

This appliance is Class I[†] and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.

If an extension lead is required, use an approved and compatible lead rated for this appliance. Follow all the instruction supplied with the extension lead.

Earthed  : This product requires an earth connection to protect against electric shock from accessible conductive parts in the event of a failure of the basic insulation.

IMPORTANT:

On products exceeding 2000W it is recommended that the power cable and/or extension cable are fully unwound before a connection is made to the power supply. However, ensure the residual cable does not pose a trip hazard

⚠ WARNING: When using electric tools basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury including the following.

Read all these instructions before attempting to operate this product and save these instructions.

SAFE OPERATION

1. KEEP WORK AREA CLEAR

- Cluttered areas and benches invites injuries.

2. CONSIDER WORK AREA ENVIRONMENT

- Do not expose tools to rain.
- Do not use tools in damp or wet locations.
- Keep work area well lit.
- Do not use tools in the presence of flammable liquids or gases.

3. GUARD AGAINST ELECTRIC SHOCK

- Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).

4. KEEP OTHER PERSONS AWAY

- Do not let persons, especially children, not involved in the work touch the tool or the extension cord and keep them away from the work area.

5. STORE IDLE TOOLS

- When not in use, tool should be stored in a dry locked-up place, out of reach of children.

6. DO NOT FORCE THE TOOL

- It will do the job better and safer at the rate for which it was intended.

7. USE THE RIGHT TOOL

- Do not force tools to do the job of a heavy duty tool.
- Do not use tools for purposes not intended; for example do not use circular saws to cut tree limbs or logs.

8. DRESS PROPERLY

- Do not wear loose clothing or jewellery, they can be caught in moving parts.
- Non-skid footwear is recommended when working outdoors.
- Wear protective hair covering to contain long hair.

9. USE PROTECTIVE EQUIPMENT

- Use safety glasses.
- Use face or dust mask if working operations create dust.

10. CONNECT DUST EXTRACTION EQUIPMENT

- If the tool is provided for the connection of dust extraction and collecting equipment, ensure these are connected and properly used.

11. DO NOT ABUSE THE CORD

- Never yank the cord to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.

12. SECURE WORK

- Where possible use clamps or a vice to hold the work. It is safer than using your hand.

13. DO NOT OVERREACH

- Keep proper footing and balance at all times.

14. MAINTAIN TOOLS WITH CARE

- Keep cutting tools sharp and clean for better and safer performance.
- Follow instruction for lubricating and changing accessories.
- Inspect tool cords periodically and if damaged have them repaired by an authorized service facility.
- Inspect extension cords periodically and replace if damaged.
- Keep handles dry, clean and free from oil and grease.

15. DISCONNECT TOOLS

- When not in use, before servicing and when changing accessories such as blades, bits and cutters, disconnect tools from the power supply.

16. REMOVE ADJUSTING KEYS AND WRENCHES

- Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.

17. AVOID UNINTENTIONAL STARTING

- Ensure switch is in "off" position when plugging in.

18. USE OUTDOOR EXTENSION LEADS

- When the tool is used outdoors, use only extension cords intended for outdoor use and so marked.

19. STAY ALERT

- Watch what you are doing, use common sense and do not operate the tool when you are tired.

20. CHECK DAMAGED PARTS

- Before further use of tool, it should be carefully checked to determine that it will operate properly and perform its intended function.
- Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation.
- A guard or other part that is damaged should be properly repaired or replaced by an authorized service centre unless otherwise indicated in this instruction manual.
- Have defective switches replaced by an authorized service centre.
- Do not use the tool if the switch does not turn it on and off.

21. WARNING

- The use of any accessory or attachment other than one recommended in this instruction manual may present a risk of personal injury.

22. HAVE YOUR TOOL REPAIRED BY A QUALIFIED PERSON

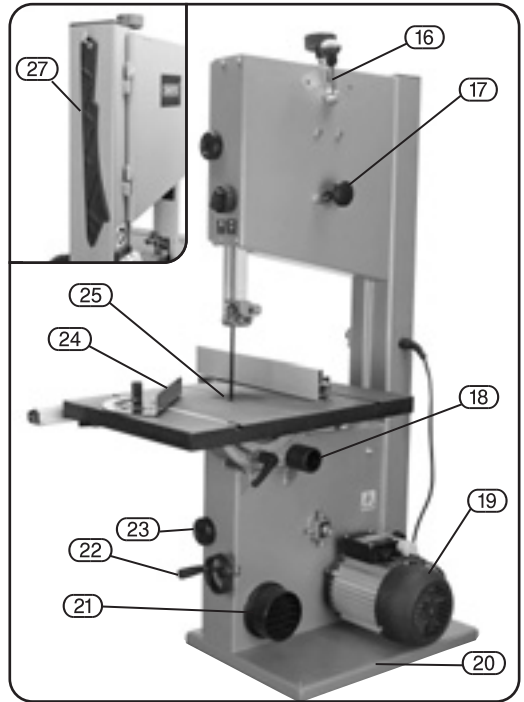
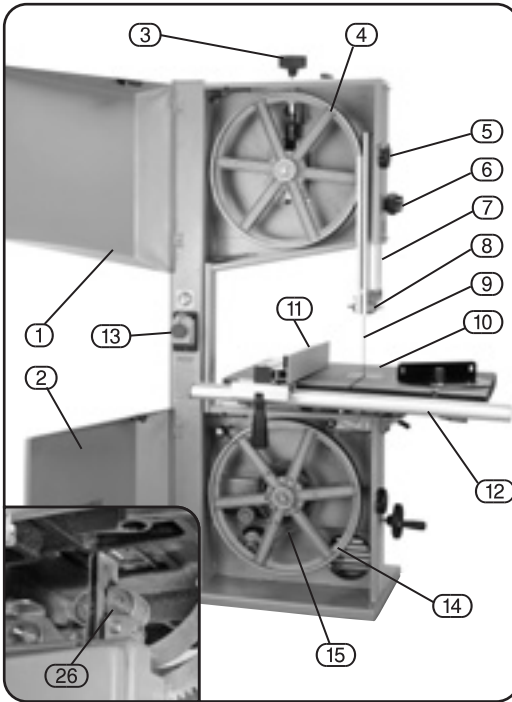
- This electric tool complies with the relevant safety rules. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.



ADDITIONAL SAFETY INSTRUCTIONS

- **BANDSAW SAFETY WARNINGS**

- Do not use saw bands which are damaged or deformed.
- Replace table insert when worn.
- Connect bandsaws to a dust collecting device when sawing wood.
- Do not operate the machine when the door or guard protecting the saw band is open.
- Take care; the selection of the saw band and the speed depends on the material to be cut.
- Do not clean the saw band whilst it is in motion.
- Wear suitable personal protective equipment, when necessary; this could include:
 - Hearing protection to reduce the risk of Induced hearing loss.
 - Respiratory [breathing] protection to reduce the risk of inhalation of harmful dust;
 - Gloves for handling the saw band and rough material.
- Always keep hands and fingers away from the saw band, especially when coming to the end of a cut.
- Use a push stick or piece of scrap wood to do the pushing and guiding when sawing small pieces which require the fingers to be close to the saw band.
- Switch the machine off and let the blade come to a stop before removing scrap pieces from the table.
- Make all adjustments and set up with the power off and plug removed from power supply. This includes tilting the table, adjusting the saw band guards, guide, tension and tracking.
- Guards must be in place and securely fastened when performing any operation.
- Securely lock all adjustable parts so they cannot move during operation. This will prevent distraction from the operation.
- When sawing curves, make relief cuts to allow removal of scrap material. This will help prevent undue twisting or binding of the saw blade. The relief cuts are made before starting the curved saw cut.
- Hold material firmly and feed into the band at a moderate speed.
- Be sure to use the correct band size and type for the application.
- Do not saw any material that does not have a flat surface, unless a suitable support is used.
- Permanently fix the bandsaw to a bench or stand before performing cutting operations.
- Use in a well ventilated area to minimise airborne dust. Use of a suitable extraction device and PPE equipment is required.
- Before freeing any jammed material turn switch off, disconnect from power supply and wait for all moving parts to stop.
- Before starting to cut, watch and listen to the saw while it runs. If it makes an unfamiliar noise or vibrates excessively, stop immediately. Turn the saw off and disconnect from the power supply. Do not attempt to use the saw until the problem has been identified and rectified.
- Repair or servicing required on this product should be carried out by a qualified service agent. When servicing use only identical replacement parts.
- When straight cutting against the fence use a push stick;
- During transportation the saw band guard should be fully down and close to the table;
- When bevel-cutting with the table inclined, place the guide on the lower half of the table;
- When cutting round timber use a suitable holding device to prevent twisting of the workpiece;
- Lifting and transportation must be carried out using the indicated points only;
- Do not use guarding for handling or transportation.
- Move the adjustable guard as to the workpiece as practicable;
- Use the correct adjustment of the saw band guards.



- | | |
|--|---|
| <ul style="list-style-type: none"> ① Guard [upper door]. ② Guard [lower door]. ③ Tensioner for saw band. ④ Upper saw band wheel. ⑤ Upper guard latch. ⑥ Blade guard adjustment/lock. ⑦ Blade guard. ⑧ Upper blade guide and back [thrust] bearing. ⑨ Saw band. ⑩ Table. ⑪ Rip fence. ⑫ Graduated rip fence rail. ⑬ No-volt switch. ⑭ Lower saw band wheel. | <ul style="list-style-type: none"> ⑮ Drive belt. ⑯ Quick release lever for saw band tension. ⑰ Saw band tracking knob. ⑱ Table tilt [bevel] adjustment mechanism. ⑲ Motor. ⑳ Base. ㉑ Dust extraction port. ㉒ Drive belt tensioner. ㉓ Lower guard latch ㉔ Mitre guide. ㉕ Table insert. ㉖ Lower blade guide and back [thrust] bearing. ㉗ Push stick. |
|--|---|

- **UNPACKING:** After removing the packing material, make sure the product is in perfect condition and that there are no visible damaged parts. If in doubt, do not use the product and contact the dealer from whom it was purchased.

The packaging materials (plastic bags, polystyrene, etc.), must be disposed of in an appropriate refuse collection container. These materials must not be left within the reach of children as they are potential sources of danger.



GETTING TO KNOW YOUR BANDSAW

- SCOPE

This machine is designed to cut wood, wood derived materials and plastics by means of a revolving endless saw band which is carried on two band wheels. The work piece is manual fed on to the saw band. Any other application is considered mis-use.



ASSEMBLY

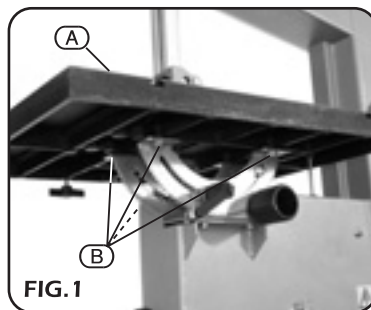
- **NOTE:** Remove the plug from the socket before carrying out adjustment, servicing or maintenance.

WARNING: Risk of injury! Seek assistance.

- **INSTALLING THE TABLE (Fig1.):**

NOTE: It may be necessary to remove the graduated rip fence rail before attempting to fit the table.

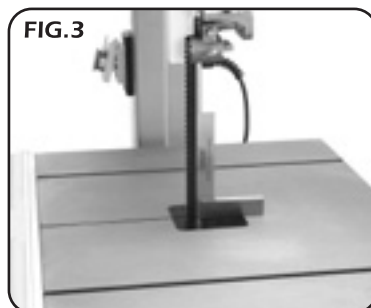
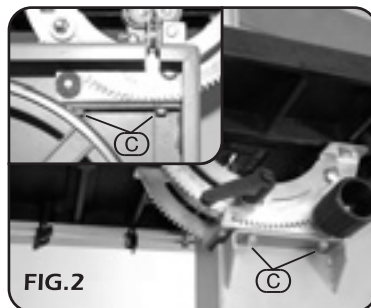
Guide the slot in the table (A) over the saw band. With the saw band central to the table, lower the table on to the cradle. Align the holes. Secure using the four bolts (B) and washers provided.



- **SQUARING UP THE TABLE (Fig2-3.):**

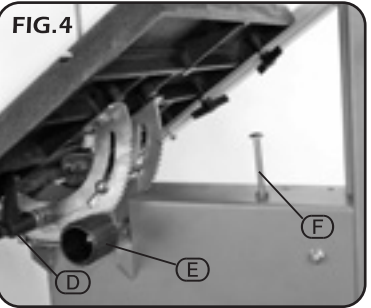
With the blade guard in the highest position, place an engineers square on the table resting it against the back of the blade to check the alignment. If it is square no adjustment is required. To adjust, loosen off the four fastening bolts (C) that hold the lower support of the cradle (two bolts outside the cabinet, other two bolts are located inside the cabinet). Align the table using the engineers square, tighten all four bolts.

NOTE: Ensure the saw band is central to the table and the insert.



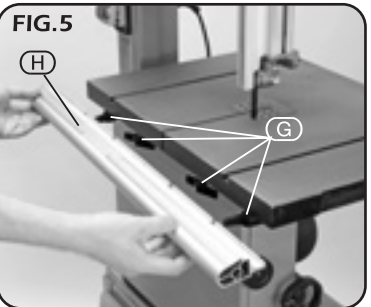
- LEVELLING THE TABLE (Fig4.):

Tilt the table [loosen the locking handle (D); rotate handle (E) clockwise]. Install bolt (F) into the housing with the locking nut already wound well onto the thread. Bring the table to approx. 90°. Set up the engineers square on the table and against the side of the saw band. Adjust the bolt [into or out of the housing] until the table is level. Set the bolt firmly in position with the locking nut. Tighten locking handle (D) to secure the table.

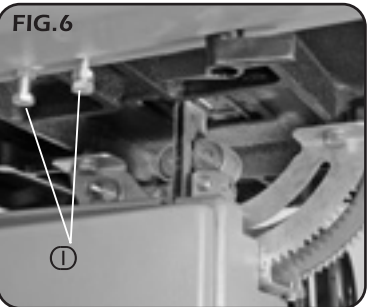


- GRADUATED RIP FENCE RAIL (Fig5-6.):

On the underside of the table [front edge] are four thumb screws (G). Line up the rip fence rail so the notches [cut outs] engage. Tighten the thumb screws to secure in place.

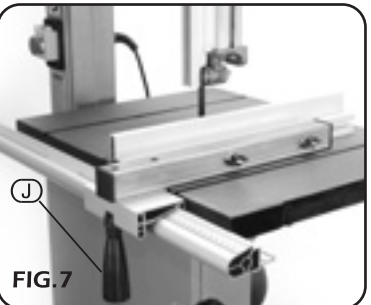


NOTE: With a straight edge, check both halves of the table remain level across the blade slot. If necessary adjust the two bolts (I) on the under side of the rip fence rail to bring it level again. When adjustment is complete tighten the lock nuts to prevent movement.



- RIP FENCE (Fig7.):

The rip fence can be used on both sides of the saw band; however the fence will need swapping to the opposite side of the main body. Hook the rip fence on to the graduated rail. Lower the locking handle (J) to secure in place.



- **NOTE:** Before attempting to operate the bandsaw, it must be secure mounted to a suitable bench or bandsaw stand.

- **FASTENING TO WORK BENCH (fixings not supplied). (Fig.8.):**

To ensure sufficient upright stability of the machine it should be bolted to a bench, table, or mounted on a cabinet (optional accessory Stock No. 76253). Holes are provided in the machine's base plate for this purpose .

WARNING: The supporting surface where the bandsaw is mounted should be examined carefully after mounting to ensure that no movement during use can result. If any tipping or walking is noted, secure the workbench or supporting surface before operating the bandsaw.

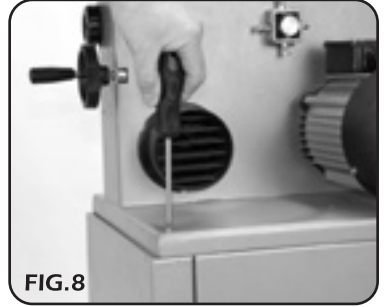


FIG.8

- **DUST EXTRACTION (Fig.9.):**

NOTE: Inhalation of dust particles can be detrimental to your health. The dust outlet must be connected with a dust extraction machine. Breathing fine dust is bad for your health and can result in cancer.

NOTE: Due to the outlet diameter, a size adaptation may be necessary. All wood dust [including dust from composites like chipboards and fibre boards etc.] is hazardous to health; it can affect the nose, the respiratory system and the skin for example MDF [medium density fibreboard] which can contain formaldehyde [a known carcinogen].

In addition to the above measures a correctly fitted dust mask, suitable for the activity and in accordance to the relevant standard, must be worn. For work activities involving exposure to fine wood dust a mask rated to at least FFP2 should be used.

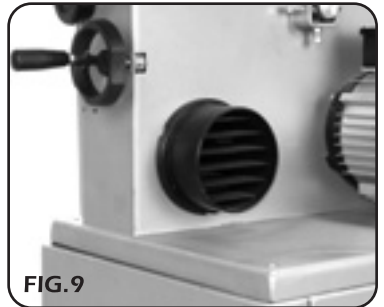
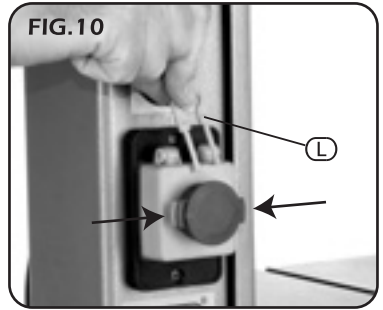


FIG.9

- COVER LOCK (Fig.10.):

As a safety device the emergency cover can be locked shut to prevent unauthorised use. To unlock the cover insert pin (L).



- NO-VOLT ON/OFF SWITCH (Fig.11.):

The bandsaw is fitted with a no-volt switch with an emergency shut-off cover (K).

In the event of an emergency, closing the cover firmly will cause the stop button to be triggered, stopping the machine. To re-open the cover, squeeze the tabs to release the stop button.

In the event of a power failure the bandsaw will have to be manually re-started.

To switch the bandsaw on, lift up the cover and push the green button marked 'I'.

To switch the bandsaw off, lift up the sprung cover and push the red button marked 'O'.

To switch the bandsaw off in an emergency striking the cover firmly will trigger the 'O' button.

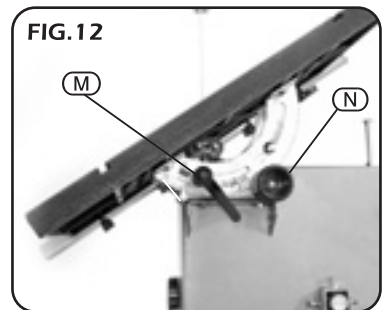


- **NOTE: The cover must never be latched in the up position. Regular inspection/cleaning should be carried out to prevent any build up of sawdust, etc.**

- TILTING THE TABLE (Fig.12.):

Using the bevel indicator as a guide the angle of the table can be adjusted between 0° and 45°. To tilt, loosen the locking lever (M). Rotate the adjustment mechanism (N) clockwise to tilt the table or anticlockwise to level the table. When set, secure using the locking lever (M).

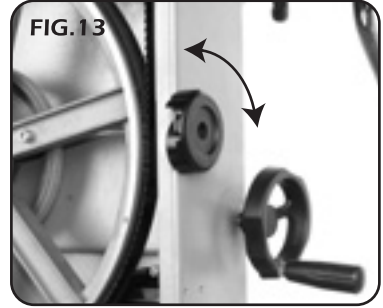
- **NOTE:** When greater accuracy is required set the table angle with a protractor against the blade and then make a practice cut.



- UPPER AND LOWER GUARDS (Fig.13.):

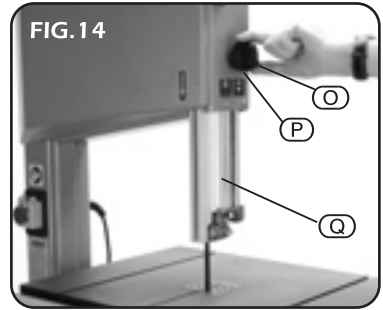
The upper and lower guards are independently protected by a microswitch which prevents the saw operating with the doors open.

To open the guard rotate the latch clockwise until the pin on the door is released. To lock the door and engage the pin into the latch, rotate the latch anticlockwise fully.



- BLADE GUARD SLIDE ADJUSTMENT (Fig.14.):

The blade guard assembly (Q) should be adjusted to within 3mm of the workpiece. Always adjust the blade guide assembly to suit the workpiece before each operation. Loosen the locking knob (O), and adjust the control knob (P) to raise or lower the guard. When complete, tighten locking knob (O) to secure.



- SELECTING THE CORRECT BLADE SPEED:

This bandsaw can be operated at two different speeds. By changing the V-belt on the pulleys 400-850m/min. The bandsaw blade speed most suitable for the job at hand should be found by making trial cuts in scrap wood.

We recommend:

400m/min for hardwoods, etc.

850m/min for most other timber.

- CHANGE OF SAW BLADE SPEED (Fig.15-16.):

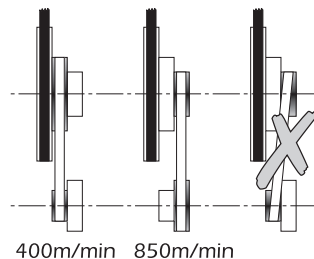
Slacken the V belt by turning the drive belt tensioner (R) clockwise. Place the belt as shown in fig.16. Depending on the speed required.



- **NOTE:** DO NOT CROSS OVER BELT DIAGONALLY.

Re tension the drive belt. When correctly tensioned the belt will flex by approx. 10mm.

FIG.16



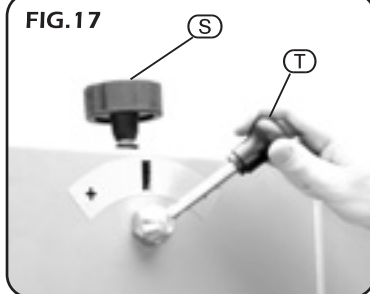
- **TENSIONING THE SAW BAND (Fig.17.):**

Turn the blade tensioning knob (S) clockwise until the blade is tensioned. The blade tension can be checked by pushing down on the blade midway between the two wheels. When the tension is correct the blade should move slightly with firm finger pressure.

NOTE: Adjust the saw band carefully. Too much tension may cause blade breakage. Too little tension may cause the blade to slip on the wheels.

The quick release lever (T) will immediately release the blade tension for removal of the saw band etc.

FIG.17



- **WARNING!**

Select a blade suitable for the intended material and use on this machine. Read the safety instructions.

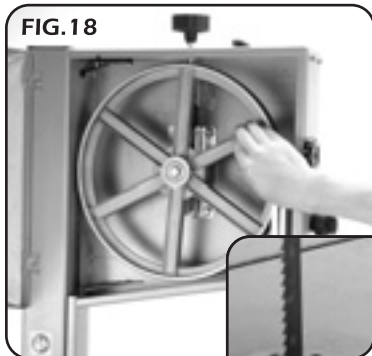
- **REPLACING AND SETTING THE SAW BAND: (Fig.18.)**

To change the saw band, remove the graduated rip fence rail from the table. Slacken the blade tension with the quick release lever. Remove the blade carefully.

Fit the new saw band carefully [with the teeth facing down]. When the saw band is located correctly through the guide and is sat centrally on the upper and lower wheels, operate the tension quick release lever to re engage the tension.

As the tension has been released during this process, the tracking should be checked and adjusted. The blade should run in the centre of the rubber lined bandsaw wheels otherwise it may jump off.

FIG.18



- TRACKING THE SAW BAND: (Fig.19-20.)

NOTE: The blade tension must be correctly adjusted before tracking the blade.

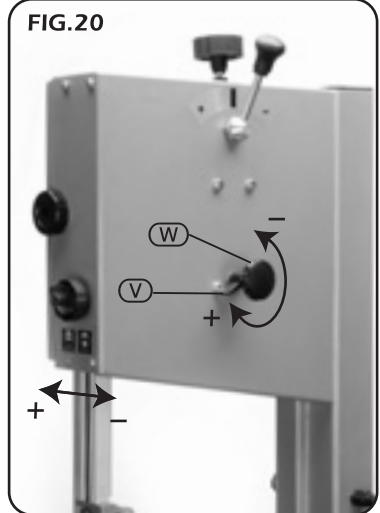
Slowly turn the upper wheel (U) clockwise by hand and watch the blade on the tyre. If the blade does not stay central on the tyre the tracking will have to be adjusted.

To adjust the upper wheel tracking loosen the lock nut (V), turn control knob (W) [clockwise if the blade runs towards the front of the saw anti clockwise if the blade runs towards the rear of the saw]. Watch the reaction of the small adjustments on the blade's tracking.

FIG.19



FIG.20



- ADJUSTING THE UPPER BLADE GUIDE ASSEMBLY: (Fig.21-22.)

The saw band guides ensure an exact clean cut by keeping the blade central and firm on the cutting line. Especially when using narrow blades ensure that the blade guides positively support the blade from both sides and the rear.

Set the bearings of the upper blade guide to within approximately 0.15mm of the blade, and the large thrust bearing at the back of the blade, just clear of it. Do not set the bearing too close, as the friction generates heat, which may have an adverse effect on the bearings and the saw band as well.

For small adjustment: Loosen bolts (X) enabling the two side guides to be moved closer to the blade [turn adjusters (Y) which move the bearing eccentrically]. When in position, retighten. Loosen bolts (X) and adjust thumb screw (Z) which moves the guide back and forth to the blade. This allows you to position it as far on or off the blade, as required.

For larger adjustment: Loosen grub screw (AA) allowing the guide holder assembly to slide backwards or forwards.

Loosen grub screw (AB) and turn the adjuster (AC) to move the thrust [back guide] closer to or further from the back of the saw band. Once these adjustments have been made, the small adjustments should be carried out.

FIG.21

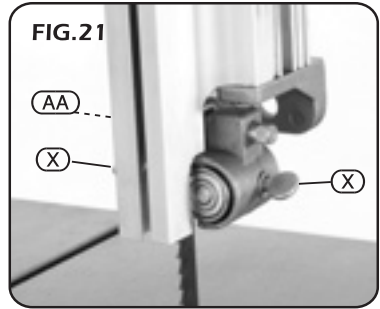
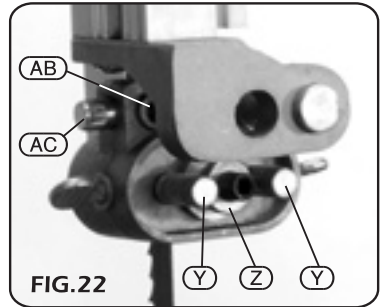


FIG.22



- ADJUSTING THE LOWER BLADE GUIDES: (Fig.23.)

Adjustment for the lower guides are similar to the upper guides.

- **WARNING: Do not start the band saw until all blade guides have been correctly adjusted and all locking screws and bolts are secured.**

FIG.23



- MITRE GUIDE (Fig.24.):

Most cross cut work, especially with small pieces is more easily controlled with the use of the mitre guide (AD). The guide is graduated to 45° for both left and right hand angles.

Simply slide the guide into one of the two channels provided in the work table.

To alter the angle loosen knob (AE), set to desired angle and retighten.

NOTE: The scale on the mitre guide is a guide only.

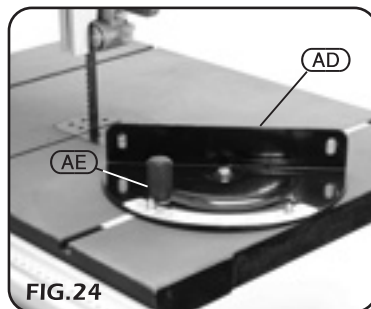


FIG.24

- RIP FENCE (Fig.25.):

The rip fence supplied with this saw can be used both sides of the blade.

For use on each side of the blade loosen knobs (AF) and remove fence. Slide holder to the left of the blade and replace fence.

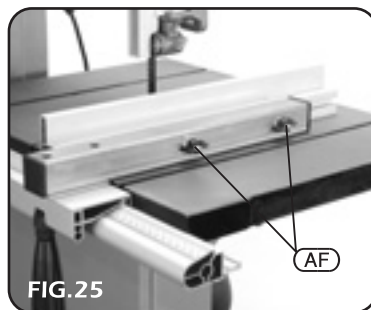


FIG.25



TIPS ON USING YOUR BANDSAW

For all cutting operations the upper blade guard should be adjusted to just clear the work being cut (3mm). Not only does this provide the best operator safety, but it also brings the blade guides closer to the work giving more accurate results and easier control.

Use both hands to feed the workpiece to the blade. The work must be held flat on the table at all times to prevent binding of the blade. Use a steady even pressure just sufficient to keep the blade cutting.

Always use a rip fence or mitre guide where possible to eliminate any sideways slip of the work. This is most important when the table is tilted to an angle.

Always plan work ahead. The tradesman's rule is "measure twice, cut once". It is best to finish a cut in one continuous operation, but frequently backtracking will be necessary. Turn off the motor and allow the blade to come to a complete stop before backing the blade out of the cut. Remember that the blade removes material during the cut. This gap created by the blade is called the kerf and must be allowed for when cutting to exact sizes. Plan your cut so that the kerf is to the scrap side of the line you wish to cut. If necessary, allow a little more for finish sanding.

RIP SAWING

This term refers to the cutting of timber with the grain rather than at a right angle to the grain. You can rip wood freehand to a previously drawn line, but best results are obtained by using the rip fence. If the table is set at a level angle set the rip fence to the left hand side of the blade.

This allows you to use your right hand to hold the work firmly against the fence. The width of cut indicator on right hand side of the blade if the width of the workpiece allows it.

With the fence on the downhill side of the table it will help support the work against slipping. The width cut indicator shows the distance between the blade and the rip fence.

CROSS CUTTING

This term refers to cutting of timber at right angles to the grain. This type of cut can also be made freehand but the mitre guide is used to ensure accurate results. The mitre guide can be adjusted to a 45° angle to produce mitre cuts, or with the table tilted as well, compound mitre cuts.

Make sure the work is held firmly against the table and against the face of the mitre guide. Be careful to keep your fingers away from the blade, particularly at the end of the cut.

FREEHAND SAWING

The ease with which many different and varied shapes can be cut is one of the most important features of the bandsaw. Select a blade suitable for cutting the smallest radius in the work you have planned.

When freehand cutting always feed the work slowly so that the blade can follow the line you wish to saw. Make sure not to drag the work off line forcing the blade sideways, or twisting it. In many cases, it is helpful to rough cut about 6mm away from the line in difficult curves and corners. In the case of very sharp curves which may be too tight for the blade, make relief cuts onto the face of the curve so that these scraps will fall as the final radius is sawn.



MAINTENANCE

WARNING For your own safety turn switch off and remove plug from power supply before attempting any adjustment or repairs.

CHANGING TYRES

Eventually the rubber tyres on the bandsaw wheels will wear due to the constant contact of the sharp teeth of the blade. Lift the edge of the tyre with a small screwdriver and the tyre can be worked off the wheel easily. We recommend that the two tyres be changed at the same time. (See Spare Parts Listing/Drawing).

BLADE GUIDES

Blade guides should be inspected regularly for wear or chipping. When replacing guides replace all guides at the same time, both upper and lower. (See Spare Parts Listing/Drawing).

BEARINGS

All bearings used in the construction of your bandsaw and its motor are sealed and lubricated for life.

CLEAN OUT

Accumulated dust and chips should be removed from inside the bandsaw frequently. Open the front covers and use a brush or vacuum cleaner. At the end of every work session clean sawdust away from the motor vents.

Regular inspection and cleaning reduces the necessity for maintenance operations and will keep your tools in good working condition.

The motor must be correctly ventilated during the tools operation. For this reason avoid blocking the air inlets.

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

Remove the plug from the socket before carrying out adjustment, servicing or maintenance.



OPTIONAL ACCESSORIES

Stock No.	Part No.	Stock No.	Teeth	Width	Application
Bandsaw Stand	ABS5	76253	N/A	N/A	Supports BS350C.
Bandsaw Blade	BB2560	76738	6skip	1/4"	Wood/Plastic.
Bandsaw Blade	BB2560	76739	6skip	3/8"	Wood/Plastic.
Bandsaw Blade	BB2560	76740	6skip	1/2"	Wood/Plastic.
Bandsaw Blade	BB2560	76741	24tpi	1/4"	Metal.
Bandsaw Blade	BB2560	76742	14tpi	1/2"	General purpose.



TROUBLESHOOTING

WARNING: For your own safety, turn the switch off and remove the plug from the power supply socket.

PROBLEM	POSSIBLE CAUSE	REQUIRED ACTION
<ul style="list-style-type: none">▪ Breaking blades.	<ul style="list-style-type: none">▪ Wrong tension.▪ Over working blade.▪ Wrong blade application. ▪ Twisting blade.	<ul style="list-style-type: none">▪ Adjust blade tension.▪ Reduce feed rate.▪ Use narrow blades for cutting thin material or sharp curves, wide blades for thicker material or straight cuts.▪ Avoid side pressure on blade.
<ul style="list-style-type: none">▪ Motor will not run.	<ul style="list-style-type: none">▪ Defective cable or plug.▪ Defective motor.	<ul style="list-style-type: none">▪ Replace defective parts.▪ Consult your service agent. Any attempt to repair this motor may be dangerous unless the repair is carried out by a qualified service agent.
<ul style="list-style-type: none">▪ Vibration..	<ul style="list-style-type: none">▪ Increase mounting of saw.▪ Unsuitable mounting surface. ▪ Loose table.▪ Loose motor mounting.	<ul style="list-style-type: none">▪ Refer to the mounting instructions in this manual.▪ The heavier your work bench is, the less vibration. A plywood workbench is not as good as solid timber.▪ Tighten table locking knob. Adjust table if necessary.▪ Tighten mounting screws.

IMPORTANT: Please note all repairs/service should be carried out by a qualified person.

DISPOSAL

- At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.
- Contact your local authority for details of collection schemes in your area.

In all circumstances:

- Do not dispose of power tools with domestic waste.
- Do not incinerate.
- Do not abandon in the environment.
- Do not dispose of WEEE* as unsorted municipal waste.



* Waste Electrical & Electronic Equipment.

EXPLANATION OF SYMBOLS/PICTOGRAMS



Do not dispose of WEEE* as unsorted municipal waste.

* Waste Electrical & Electronic Equipment.



GLOSSARY OF TERMS FOR WOODWORKING

1. KERF

The material which is removed by the blade in a through cut or the slot produced by the blade in a non-through or partial cut.

2. LEADING EDGE

The edge of the workpiece which is pushed into the blade first.

3. SAW BLADE PATH

The area of the workpiece directly in line with and moving towards the saw blade edge.

4. BLADE TOOTH SET

The distance that the teeth of the saw blade are bent (on set) outward from the side of the blade.

5. TRAILING EDGE

The workpiece edge last cut by the saw blade.

6. WORKPIECE

The item on which the cutting operation is being performed. The surfaces of the workpiece are commonly referred to as faces, ends and edges.

7. RESIN

A sticky sap-based substance that has dried.

8. CROSS CUT

A cutting operation made across the grain of the wood.

9. BEVELLING

An angle cutting operation through the face of the workpiece.

10. MITERING

An angle cutting operation through the face of the workpiece.

11. COMPOUND CUTTING

A simultaneous bevel and mitre cutting operation.



NOTES

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For aftersales servicing or warranty repairs, please
contact the Draper Tools Helpline for details of an
agent in your local area.

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