

RECORD MACHINE DETAILS

MODEL

SERIAL No.

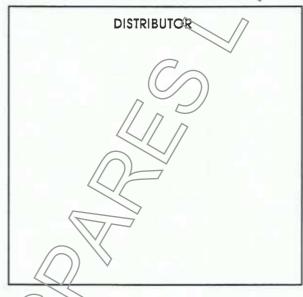
DATE OF PURCHASE

VOLTAGE

PHASE

CYCLES

QUOTE THIS INFORMATION WHEN REQUESTING SERVICE OR SPARES.





Model 351

SINGLE SPEED BANDSAWING MACHINE



Startrite Machine Specialist

Unit 15, Pier Road Industrial Estate Gillingham Kent

ME7 1RZ

Tel/Fax: 01634 850833 www.altsawsandspares.co.uk

ISSUE 1 22-04-91 RF10519



TO SUIT THE 351 MODEL

ORDER LINE- 01634 850833

A.L.T. SAWS & SPARES LTD

Unit 15, Pier Road Industrial Estate

Gillingham

Kent

ME7 1RZ

www.altsawsandspares.com

A.L.T. SAWS AND SPARES LTD



PART NUMBER STRG – UPPER £82.50+vat PART NUMBER STRG – LOWER = £79.50+vat

These precision roller guides are manufactured in the UK specifically for the older Startrite models 301 – 351 – 352, refer to the chart below for all models and recommended blade widths.

There is NO drilling, filing or any modification required unlike many cheap after market guides currently on the market.

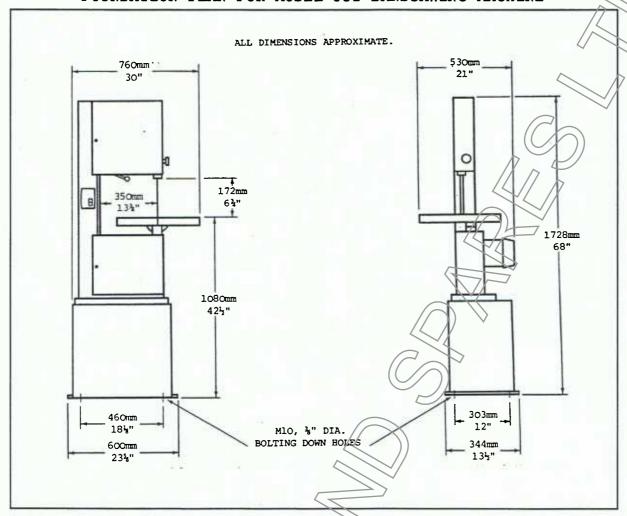
Manufactured in steel and aluminium, these guides will make a very good saw even better, they give superb blade control have low heat generation to the blade and produce no sparks.

Both side support rollers and thrust roller are adjusted by a cam system giving precision setting longer, and allows full contact to the blade, this eliminates any blade twist, cutting contours will particularly appreciate the blade control.

Although available as upper and lower guide assemblies some customers may only wish to change the upper set as this takes on 80% of the work.

STARTRITE MODEL	STRG – UPPER		STRG – LOWER	
	RECOMMENDED BLADE WIDTH		RECOMMENDED BLADE WIDTH	
	MAX	MIN	MAX	MIN
301,301E,301S	5/8"	1/4"	1/2"	1/4"
35/1/351E,351SE,351S	3/4"	1/4"	1/2"	1/4"
352,352S	3/4"	1/4"	1/2"	1/4"
RSY (Sold Under The Record Power Range)	5/8"	1/4"	1/2"	1/4"
RS2 (Sold Under The Record Power Range)	3/4"	1/4"	1/2"	1/4"

FOUNDATION PLAN FOR MODEL 351 BANDSAWING MACHINE



SPECIFICATION

71 - 0 - 1 - 0 - 1 - 0 - 1						
Model 351		Single Speed Bandsawing Machine				
Blade Speed	-	3000 ft/min	915 m/min			
Wheel Diameter	-	14"	355 mm			
Motor	-	1 H.P. 6.75kW	3400 R.P.M.			
(alternative)		1 H.P. (0.75kW	2850 R.P.M.			
Electric Supply		220/240 Volt	l Phase	50Hz		
(alternative 1)		380/440 Volt	3 Phase	50Hz		
(alternative 2)		110/220 Volt	l Phase	60Hz		
(alternative 3)		220/440 Volts	3 Phase	60Hz		
Blade Length	*	102"	2590mm			
Max. Blade Width	•	0.75"	20mm			
Weight	*	207/Ibs	94 kg			

FOR BEST RESULTS USE A.L.T. SAWS & SPARES BLADES

WHEN ORDERING PARTS, PLEASE STATE; -

1 Machine Model and Serial Number

2) Part Number (where applicable) and Description

Quantity required

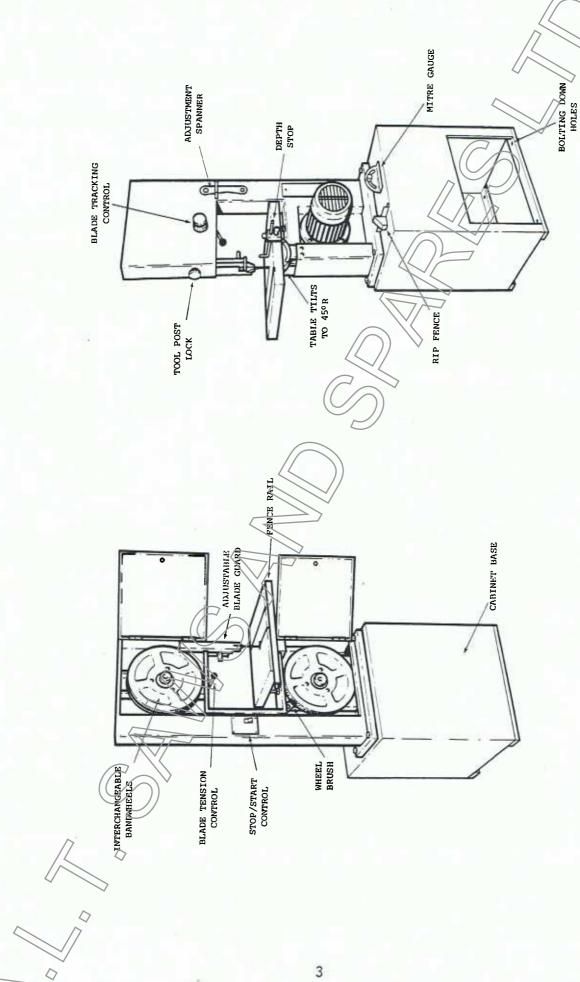
Specify power supply for electrical components

NOTE: ILLUSTRATIONS MAY VARY IN DETAIL, ACCORDING TO MODEL

We reserve the right to change design and specification without notice

Startrite Machine Tool Company Limited,
Waterside Works, Gads Hill,
GILLINGHAM,
Kent, ME7 2SF

Kent, ME7 2SF England



GENERAL LAYOUT OF MODEL 351 BANDSAWING MACHINE.

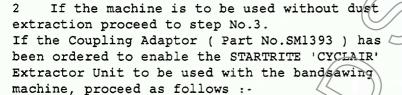
ASSEMBLING BANDSAWING MACHINE.

CAUTION: Motor must not be switched on unless the machine is fully assembled according to the instructions below.

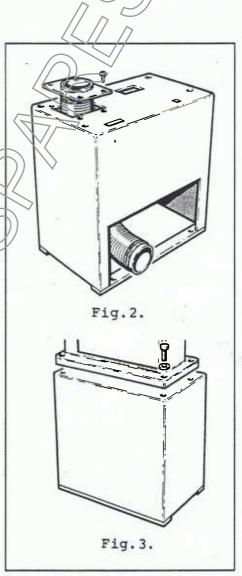
Remove contents from carton. Check and identify parts from Check list below before attempting to assemble machine.

CHECK LIST: cabinet Base Table, Cradle & Fence Rail Mitre Gauge circle Cutting Attachment Depth stop Rip Fence Adjustment Spanner 4 Hex Hd Screws M8 x 40mm 4 Hex Nuts M8

- 4 Std Washers 4 Shakeproof Washers
- 4 6942 Special Washers



- Connect and secure one end of flexible hose to adaptor plate using hose clip supplied.
- Place flexible hose through aperture in cabinet base and secure using 4 self tapping screws supplied (see Fig.2) [
- Secure connecting pipe to other end of flexible hose using clip supplied ready for coupling direct to 'CYCLAIR' Extractor Unit.
- Place bandsaw machine onto cabinet base with front of machine facing plain side of cabinet base as shown in Fig.3. Align holes in cabinet base with holes in bandsaw base and secure using 4 Hex. Screws M8 x 40mm, 4 Nuts M8 and 8 Washers M8 supplied.
- On table locating stud 'A' (see Fig.4), remove nut, washer and table clamp



On underside of (table,) slacken off four hex. screws 'B' and remove fence rail. Carefully place table and cradle over stud 'A' taking care not to damage the saw blade, and locate cradle onto cradle tilt plates. Secure in place using table clamp (curved edge downwards), washer and hex. nut.

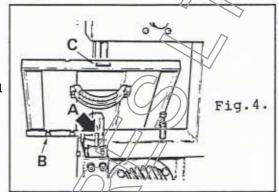
Re-assemble fence rail to table, and with 4 hex.screws 'B' (see Fig.4) only hand-tight, place rip fence onto rail so that fence is close to slot in table. Align rail so that fence is true to slot and tighten 4 hex. screws. NOTE: Fence rail may be assembled projecting either to left or right of the table sides as required.



ASSEMBLING BANDSAWING MACHINE (CONTINUED) .

6 Secure depth stop to rear edge of table through slot 'C' (see Fig.4) and secure in place using coach bolt, std. washer and wing nut supplied with depth stop.

The machine is now ready to be installed and connected to the electricity supply. Before doing so, read the Operating Safety Precautions below.



OPERATING SAFETY PRECAUTIONS.

BEFORE ATTEMPTING TO OPERATE THE MACHINE, BECOME FAMILIAR WITH THE CONTROLS AND OPERATING INSTRUCTIONS.

Before starting the machine, check that it is safe to do so. Make sure that all guards are in place and keep guards in place when sawing. Never at any time make an adjustment to any part of the machine while the saw blade is in motion.

Adjust and secure table before loading workpiece. Position the top guides as close as possible to the workpiece.

Hold small or unstable workpiece by means of a clamp or other device. Keep hands clear of the saw blade at all times.

Keep the machine table and work area free from tools and off-cuts.

Use only a saw blade that is in good condition a'nd suitable for the work in hand. A saw blade that is distorted, or has mis-shapen teeth is unsafe and should be discarded. Use care in uncoiling and installing new saw blades as the teeth are very sharp. It is advisable to wear gloves when handling saw blades. Do not leave saw blades on the floor.

Always stop the machine before leaving it unattended and isolate machine from mains supply.

Dust Extraction Equipment (Optional Extra) may be advantageous, particularly when some hardwoods are being sawn, to reduce pollution of the atmosphere. Some materials, such as asbestos, give off toxic fumes and dust when machined, and in such cases it is necessary to seek expert advice as to the method of extraction.

INSTALLATION.

Site the machine with adequate working space around it for ease of use. Avoid siting the machine in a cramped corner where operation may prove difficult or near a gangway where a long workpiece may cause an obstruction. The whole working area should be well illuminated and the floor around the machine provided with a level and non-slip surface.

A bench or table space, near the machine to accommodate work in progress will prove a real asset. Bandsaw blades tend to get tangled and damaged if hung from a hook or stacked on the floor, therefore cupboard space provided adjacent to the machine will protect saw blades in storage and encourage the operator to select a suitable saw blade for the job.



INSTALLATION (CONTINUED)

The cabinet base is provided with four bolting down holes to accept 10 mm (3/8") diameter bolts (not supplied). Where bolting down is required, ensure that the machine stands firm and level.

Remove the anti-rust protective coating where applied, and in particular from the working elements of the machine.

CONNECTION TO THE ELECTRICITY SUPPLY.

IMPORTANT : Check that the electricity supply voltage
is suitable for operation of the machine. (Voltage
stamped on serial plate).

IMPORTANT : IN ALL CASES THE MACHINE MUST BE EFFECTIVELY EARTHED.

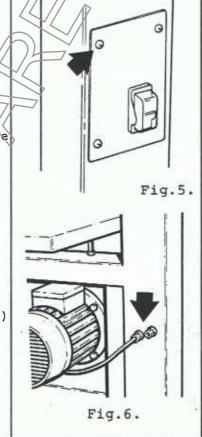
The service of a competent electrical engineer must be obtained if there is doubt on any point regarding electrical installation.

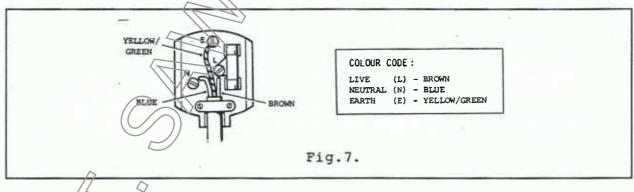
SINGLE PHASE.

Recommended cable size : 1.5 sq.mm Fuse rating : 13 amp

At front of machine remove electrical cover plate by means of four screws (see Fig.5.). Pass supply lead through cable entry nut at rear of machine (see Fig.6) and connect live lead to terminal L1, neutral supply lead to terdinal N and earth lead to terminal E (see Fig.8). Replace electrical cover plate, and tighten gland nut on cable entry nut.

Connection can be made to a 13 amp ring main circuit by wiring the supply lead to a 13 amp fused plug as shown in Fig.7. taking care to protect the cable from mechanical damage.

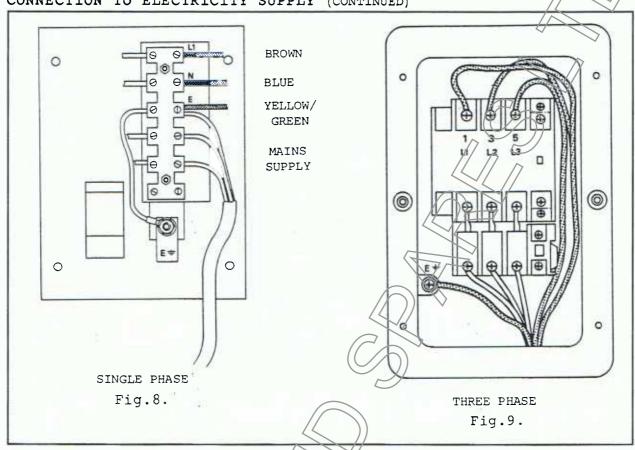




THREE PHASE

To connect machine to mains supply proceed as follows:- Remove cover of starter (two screws), and complete starter box assembly (four screws). Pass supply lead through cable entry nut at rear of machine (see Fig.6.) and up into starter box through hole provided.

CONNECTION TO ELECTRICITY SUPPLY (CONTINUED)

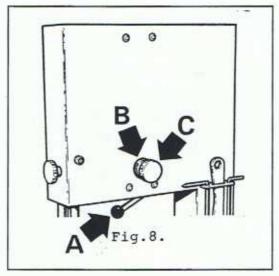


Connect mains supply leads to terminals Nos 1, 3 and 5 at top of contactor, and earth lead to earth connection provided (see Fig. 9.). Check that the motor rotates in the correct direction, i.e. blade passes downward through the table, and reverse motor rotation if necessary, by interchanging the two supply leads. Re-assemble starter assembly, and tighten gland nut at rear of machine.

OPERATING INSTRUCTIONS

SETTING UP THE MACHINE / FITTING A NEW SAWBLADE:

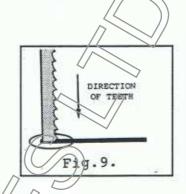
Select a saw blade suitable for the work in hand, see Chart on page 11. Open both bandwheel doors, remove upper and lower blade guards and rip fence rail. Lower the top bandwheel by turning the blade tension control handle 'A' (see Fig.8) anti - clockwise and remove saw blade. Place selected saw blade over both bandwheels with the teeth facing forward and downward through the table as shown in Fig. 9. Apply only sufficient/blade tension to remove the slack. It is important that both the top and bottom guides are set back clear of the saw blade so that it is not deflected and follows a true path between the bandwheels.





OPERATING INSTRUCTIONS (CONTINUED)

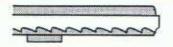
At rear of machine slacken off knurled locking ring 'B' (see Fig.8). Rotate the bandwheels by hand and at the same time operate the blade tracking control handknob 'C' so that the saw blade runs approximately central on the bandwheels, see Fig.10. When saw blade is tracked correctly hold handknob 'C' and lock using knurled locking ring 'B'.



To tension saw blade simply turn blade tension control handwheel 'A' clockwise until saw blade is taut.

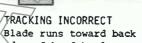


TRACKING CORRECT Blade runs approximately central on bandwheel.



TRACKING INCORRECT Blade runs toward front edge of bandwheel.

Fig. 10.



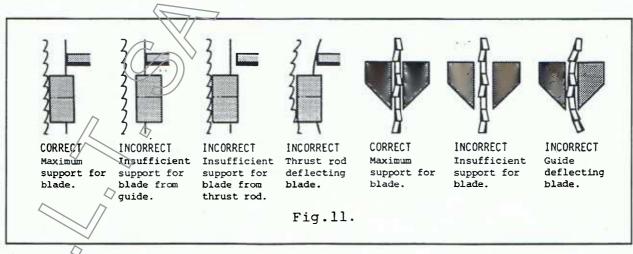
edge of bandwheel.

When the saw blade is tracking in a satisfactory manner. turn the blade tension control handle until the appropriate reading appears in the 'window' (see chart below) .

EXAMPLE: 12mm (1/2") wide Metal Cutting Blade = MED

BLADE WIDTH	6mm (1/4")	12mm (1/2")	20mm (3/4")
BLADE TYPE	TEN	SION GUIDE	- M
METAL CUTTING	LOW	MED	HIGH
WOOD CUTTING, SCALLOPED, KNIFE EDGE	LOW	LOW- MED	MED - HIGH

It is important that the guides are set to offer maximum support to the saw blade without deflection, and to permit maximum engagement with the flanks of the saw blade without snagging the set of the teeth, see Fig.11.



SETTING UP THE MACHINE / FITTING A NEW SAW BLADE (CONTINUED)

Adjust the guides to support the saw blade in its natural path with the minimum of side clearance (.002" to .004"). A quick and positive method of setting the guides is to position one guide block to just contact the saw blade, then adjust the second guide block to contact the saw blade plus a piece of (single thickness) newspaper.

Set the thrust rod to support the back edge of the saw blade when finger pressure is applied to the blade teeth. There should be a small gap (.010" approximately) between the saw blade and the thrust rod.

After adjusting the top and bottom guides, rotate the bandwheels by hand to ensure that the saw blade runs free and that all the adjustments have been correctly carried out.

Replace upper and lower blade guards and close both bandwheel doors. Replace rip fence rail with securing screws only hand-tight. Place rip fence onto rail so that fence is close to slot in table. Align rail so that fence is true to slot and tighten securing screws.

TABLE:

The table can be tilted to any angle up to 45deg. To tilt table slacken off trunnion nutusing spanner provided (see Fig.12). Tilt table and align pointer with protractor scale for required angle and tighten nut. The machine is fitted with a setting stud, make sure the table rests firmly against the stud when re-setting the table to zero.

BLADE GUARDS:

The upper blade guard is fully adjustable and must be kept in position when the machine is in use. The guard height should be set as close as possible to the work piece by means of tool postlock (see Fig.13). The lower blade guard is designed to give under table protection at all angles of table tilt and must be kept in position when the machine is in use.

TOOLS :

A tool storage bracket is supplied at the rear of the machine (see Fig.13) to accommodate the adjust spanner, depth stop rod and circle cutting rod when not in use.

CUTTING:

Before starting the machine, check it is safe to do so. Make sure that all necessary adjustments have been completed and all

Fig.12.

guards are in position and secure. The switch incorporates overload protection. If the machine is overloaded the switch will automatically cut-out and stop the machine. In such cases remove workpiece, wait a few minutes and re-start the machine allowing it to run without any load. Proceed as before but using less force.



OPERATING INSTRUCTIONS (CONTINUED) .

RIP FENCE & DEPTH STOP:

Fig.14 shows the rip fence and depth stop in use. They are very useful accessories which widens the scope of the machine considerably, as apart from straight forward ripping it makes possible the production of tenons of consistent thickness. When cutting several tenons of the same thickness, set the fence and depth stop, produce the required shoulder dimension and make a single saw cut in each piece, so as to produce one flank of the tenon. Re-set the fence to produce a tenon of the correct thickness, making sure that the same face of the workpiece is against the fence as when making the first cut. In this way, any variation in the width of the workpiece will not affect the finished width of the tenon. With the rod removed, the depth stop can be swung aside when not required.

MITRE GAUGE:

Fig.15 shows the mitre gauge in use on the machine. Locate mitre gauge into slot in table, set to required angle and position workpiece. Start machine, hold workpiece firmly against mitre gauge and slide along slot in table. Compound mitres are also possible by setting both mitre gauge and table tilt as required.

CIRCLE CUTTING ATTACHMENT

Select a saw blade to suit the circle to be sawn (see Chart, page 1S). The circle cutting attachment is secured to the guide post plate, see Fig.16. This makes repetition cutting of blanks easy as the whole unit is raised and lowered on the guide post, thus avoiding disturbing the setting of the rod. The blanks should be made in the

Fig. 15. Fig. 16.

shape of a square just a little larger than the diameter of the proposed circle and the centre and diameter marked. It is important that the centre of the circle is level with the front edge of the saw blade. To achieve this place rip fence against blade, mark position of front of blade on top of fence and move fence so that distance between blade and fence is equal to required radius. Set rod to mark on fence and secure in place. Remove rip fence and raise tool post so rod is clear of workpiece. Produce cut parallel with one side of square and stop when cut meets drawn circle as shown in Fig.16. Lower guide post until point on rod touches workpiece at centre of circle, tap rod gently into workpiece, lock tool post and cut out complete circle.



MAINTENANCE.

NOTE: ATTENTION TO MAINTENANCE WILL BE REPAID BY MANY YEARS' TROUBLE FREE OPERATING.

MONTHLY:

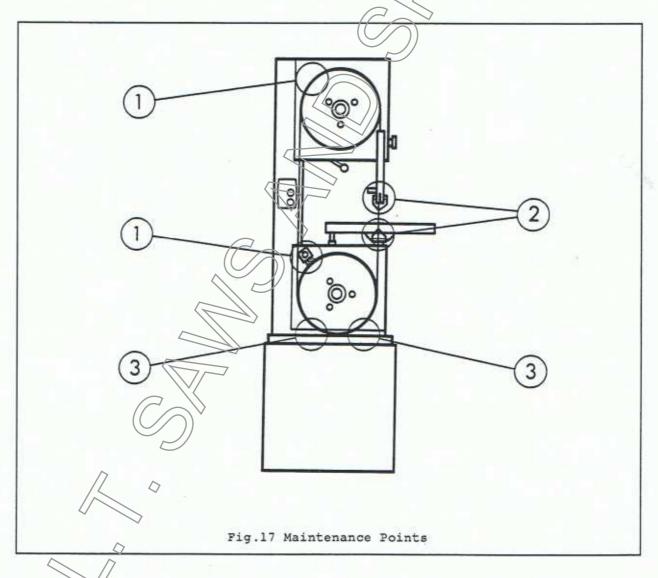
Remove imbedded chips from bandwheel tyres, check for wear and replace as necessary. Adjust wheel brush as required.

Clean and check upper and lower blade award assemblies. Replace worn parts as required. Check guide settings, and adjust if necessary (see pages 7 & 8).

GENERAL:

Frequently check that dust outlets in base of machine are not clogged and clean out as necessary.

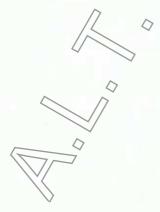
The bearings on the upper and lower bandwheel habs are prepacked with grease and do not require further maintenance.



SAW TYPE SELECTION CHART

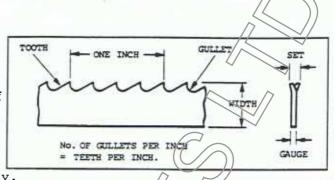
MATERIAL THICKNESS

Na men Ta I	IIIDED	6mm (1/4") TO	12mm (1/2") <	OVER
MATERIAL	UNDER 6mm (1/4")	12mm (1/2")	25mm (1")	25mm (1")
ALUMINIUM SECTIONS	18R	10R	8R) 6s
BAKELITE	14R	10R	6R /7 /7	38
BONE	lor	8R	6R	3\$
CARDBOARD CORRUGATED	SC	sc	SC	sc
CHIPBOARD		6S (3.5	3S
CORK	14R	6R	3R	3R
FIBRE BOARD	18R	14R	,	
FORMICA	18R		>	
HARDBOARD	lor			
LEATHER	14R			
LINEN	KN	R	sc	sc
PAPER - SHEET	lor <	6S		
PAPER - TISSUE	sc 🦳	sc	SC	
PAPER MACHE	KN	lor		
PERSPEX	14R	10R		
PLYWOOD	10R	8R	6S	38
STRAWBOARD	14R	10R	8S	68
WOOD - LOG				38
WOOD HARD & SOFT	6S	3S	38	38
	D TIME	n neoutan m	OOMU	CVID MOOM!
	ER INCH LLOPED EDGE	R = REGULAR T	KN = KNIFE E	



BANDSAW BLADES.

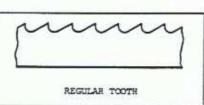
An understanding of the design and application of the various types of saw blades obtainable is essential if the bandsawing technique is to be fully exploited. Selection of the most suitable saw blade for the job is very important as a poor choice can lead to much wasted time and money.



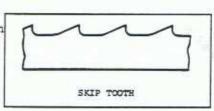
TOOTH PITCH is important if optimum blade performance is to be obtained. Tooth pitch is determined mainly on the basis of material thickness and to some extent on material hardness. For a given material thickness, a tough or abrasive material will require more teeth in engagement than a soft dustile one. Too many teeth in engagement will decrease the tooth loading to the point where the teeth cannot penetrate the material and so skid across the cutting face.

TOOTH FORM refers to the profile of the tooth. The two most popular styles are regular tooth and skip tooth as shown in the illustrations.

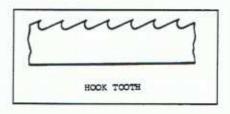
REGULAR TOOTH is the standard style for most saw blades. The zero front rake and well rounded guilets present a robust tooth with good shock resistance and work penetration properties. It will produce accurate fine finish work in most hard materials but tends to clog when used on soft materials. Standard pitches are 6, 8, 10, 14 & 18 teeth per inch.



SKIP TOOTH form is similar to the regular tooth form but alternate teeth are omitted, a design which allows greater gullet capacity without unduly weakening the body of the blade. Providing the thickness of the material permits, a skip tooth saw blade will give best performance on aluminium and soft alloys. Standard pitches are 3, 4 & 6 teeth per inch.

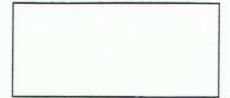


HOOK TOOTH form has positive front rake which considerably assists work penetration and hence produces faster cutting times on harder materials. The coarse pitch and large gullets associated with this type of saw blade make it particularly suitable for sawing deep sections. However, it is not recommended for use on abrasive materials. standard pitch@s are 2, 3, 4 & 6 teeth per inch.



TOOTH SET is the angling of the saw blade teeth so that the tips protrude beyond the body of the saw blade. The width of the saw cut produced provides the working clearance necessary for the body of the saw blade and permits some degree of steering to negotiate curves.

STANDARD SET teeth are set alternately to the left and to the right, a style which is popular for cutting soft materials and wood.





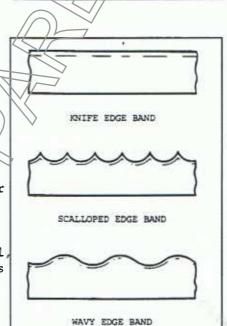
BANDSAW BLADES (CONTINUED) .

RAKER SET saw blades have one tooth set to the left and one tooth set to the right, followed by one unset tooth. This style of set is widely used and is to be preferred for contour sawing.

WAVY SET saw blades have the teeth alternately set to the left and right in groups or waves. With this formation of tooth set, relatively few teeth are cutting at the side of the kerf and therefore there is some tendency for the saw blade to jam when sawing abrasive materials.

SAW GAUGE is the actual thickness of the body of the saw blade. Some manufacturers produce special gauge saw blades for specific purposes, but generally saw blades up to and including 1/2" wide are .020' thick and 5/8" wide are .032" thick.

KNIFE EDGE bands are suitable for cutting soft materials such as woven fabrics, sponge, rubber, and corrugated cardboard. Where the nature of the material is fibrous and difficult to sever, wavy or scalloped edge blades are better as the teeth provide a more positive cutting action. Typical applications are cutting cork, filter elements and felt etc. Because these bands separate the material, no dust or swarf is produced and a smooth finish is usually obtained.



RAKER SET

WAVY SET

Sometimes even though the machine appears to be in good working condition, the saw blade persists in wandering from the true path of the cut. This is usually due to the workpiece being forced into the saw blade at a greater pace than the saw blade can cope with, or the teeth of the blade are not evenly sharpened and set. Repeat the cut using less feed pressure. If this does not cure the trouble, replace the saw blade.

NOTE: 'Hardedge' saw blades cannot be resharpened, but the teeth of wood cutting saw blades may be dressed by the following method:

The saw blade should be sharpened square across and without hook, i.e. the front face of the hook square to the flank of the saw blade. The stroke of the file should be one smooth movement using the whole cutting length of the file and maintaining even pressure from start to finish. Mark the starting point for easy identification and proceed around the saw blade using one stroke per tooth. Should one stroke not be sufficient to produce a sharp tooth, go around the saw blade a second time in preference to repeated strokes to each tooth at one setting. It is important to maintain the correct size and shape of each-tooth to avoid weakening the saw blade by forming a sharp corner in the gullet.

It is essential to use a genuine bandsaw file which has three sides and well rounded corners, the normal small file not being suitable. The purchase of a saw vice will prove a real asset as the long jaws permit about 18" or so of the saw blade to be sharpened at one setting.



BANDSAW BLADES (CONTINUED) .

A saw blade should be re-sharpened as soon as the teeth lose their fine point. Dull teeth tear the fibres of the wood instead of severing them cleanly and the increased feed press@re thus required produces a ragged inaccurate cut and considerably shortens the life of the saw blade.

The saw blade must be in reasonable condition to warrant re-sharpening. A saw blade that shows signs of fatigue, i.e. cracks at the gullets of the teeth, or one that has come into contact with a nail will not usually justify any further effort being expended on it and is best discarded.

Usually it is not necessary to re-set the teeth of the blade as the initial set will last for several sharpenings. The correct amount of set is about 0.005" each side and adjacent teeth are set in opposite directions. It is important that the saw blade be sharpened after it has been set.

Welding units and brazing units are available for repairing saw blades, or making blades from bulk coil and details of these units will be sent upon request.

BANDSAWING PRACTICE.

Having selected the best saw blade for the job, the most important rule to follow is to allow the saw blade to cut freely. Forcing the workpiece into the saw blade produces a ragged inaccurate cut and considerably reduces the working life of the saw blade.

For contour sawing the width of the saw blade must be chosen with regard to the smallest radius to be sawn, thus a small radius will demand the use of a narrow saw blade. The beam strength and permissible tension decreases rapidly for narrow sawblades and it therefore follows that narrow saw blades are particularly sensitive to excessive stress which will cause stretching and premature breakage through fatigue at high speed. Saw blades which fail through abuse of this kind are useless and must be discarded although the teeth may still be in good condition. It is impossible to be precise as to the smallest radius any given saw blade will cut as so much depends on job conditions and the skill of the operator, but the Chart on page 16 offers a basic guide on this point.

BLADE WINTH SELECTION CHART

BLADE WIDTH 3mm (1/8") 6mm (1/4") 10mm (3/8") 12mm (1/2") 15mm (5/8") 20mm (3/4")

MINIMUM mm	8	25	38	62	100	136
CURVE ins	5/16		1.5	2.5	4	5.375
PANTUS						

Several drilled holes at strategic points around the contour may be necessary to negotiate small radii or cut to a sharp corn@r. Experiment may show that it is advantageous to use a wood cutting blade with increased set when sawing small radii as the increased width of kerf allows the blade more freedom to follow a tight curve. It should be kept in mind, however, that the greater the set the more power is required to make the cut, and hence due care must be exercised to avoid working the saw blade beyond its limit.

It is often found that when cutting a scroll or similar shape the forward cut cannot be completed and the workpiece must be backed off the saw. Care is necessary here to ensure that the wood is backed out gently, and turned at She same time so that the kerf is always in line with the saw. When removing large pieces of waste material, make the shorter end first to avoid backing out of the longer cut.



BANDSAWING PRACTICE (CONTINUED).

Three dimensional shapes are easily produced on the bandsaw. A suitable block of square or rectangular section is prepared with the front and side profiles marked out on adjacent faces. Make all the necessary cuts on one face and carefully replace the waste pieces in position. Turn the block on its side and cut out the seco@d profile. With some jobs of this nature it may prove useful to tape the waste pieces in position to retain the block profile for ease of handling.

Light metals must always be sawn with a 'Hardedge' saw blade. Some aluminium alloys tend to clog the blade teeth but an occasional application of lubricant in the form of paraffin or wax should solve this problem.

Very little difficulty will be experienced in cutting solid plastic materials although some have an abrasive nature which tends to shorten the effective life of the saw blade.

Heat generated by sawing friction cause thermoplastic materials to become sticky and there is a marked tendency for the saw blade texth to be clogged by swarf, particularly when blunt or fine pitch saw blades are used. The tendency to clog can be reduced by lubricating the saw blade with water or wax.

Some materials, the thermosetting phenolics in particular, give off a toxic airborne dust and in order to avoid possible risk to health, advice on dust extraction should be obtained.

COMMON SAWING PROBLEMS

BLADE WANDERS FROM TRUE LINE:
Excessive feed pressure.
Blade teeth dull or of too fine pitch.
Guide inserts not controlling blade
through wear or incorrect adjustment.
Blade tracking incorrect.
Loss of set to one side of saw teeth.

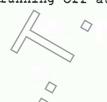
PREMATURE BLADE BREAKAGE:
Excessive feed pressure, and/or too much blade tension.
Worn or incorrectly set guides.
Joint improperly welded and annealed.
Blade too wide for curved cut.
Bandwheels worn.
Blade teeth of too fine pitch.

Excessive feed pressure.

Blade teeth dull or of too fine pitch.

Insufficient blade tension, and/or blade too narrow for depth of cut.

Blade running off at start of cut.



BLADE TEETH DULL RAPIDLY:
Insufficient feed pressure.
Guide inserts snagging set of teeth.
Blade speed too fast, and/or blade
pitch too fine.
Hard spots in material.

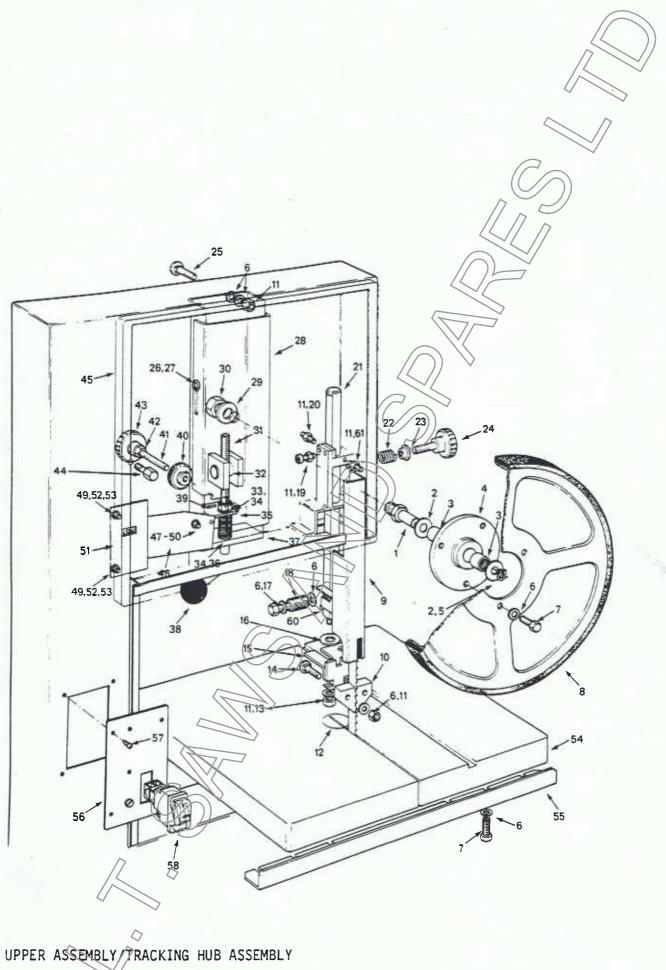
TEETH TORN FROM BLADE:
Excessive feed pressure.
Gullets of teeth loading.
Blade speed too fast, and/or blade
pitch too coarse.
Material pressure welding to teeth.

Excessive feed pressure.
Guide inserts snagging blade.
Blade too wide for radius of cut.
Excessive blade tension.
Blade not tracking correctly.
Loss of set to one side of saw teeth.

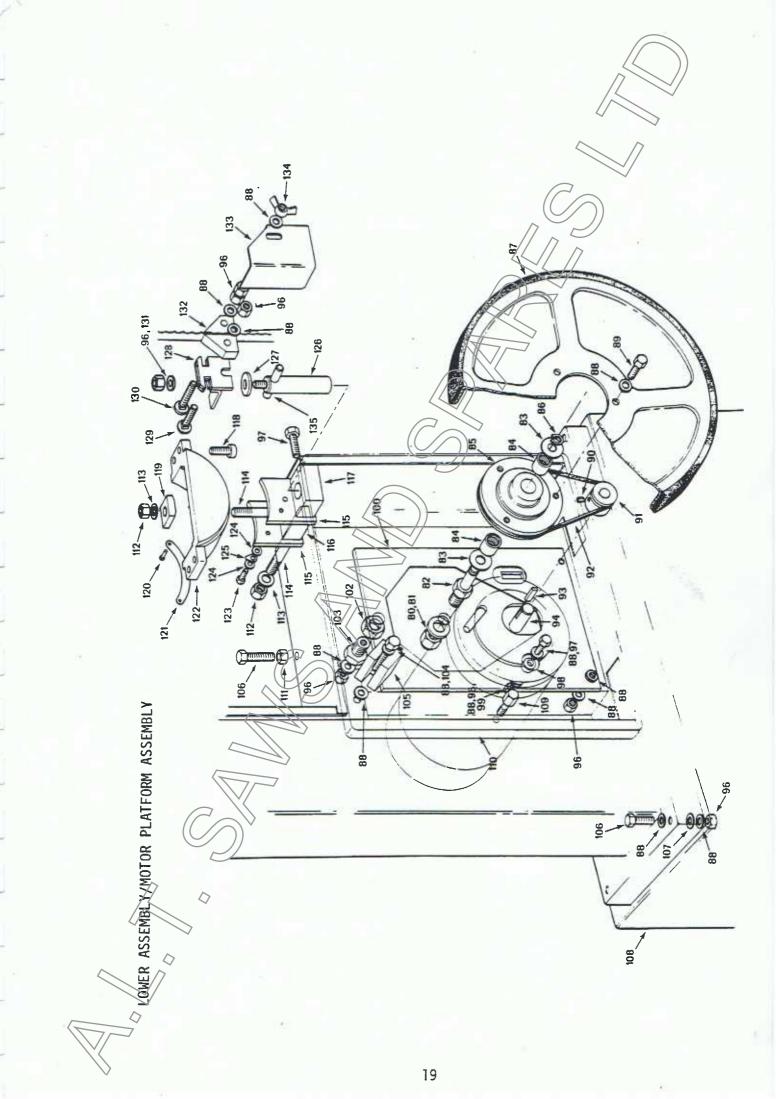
BLADE VIBRATES IN CUT:
Workpiece not properly seated or
securely held.
Blade speed too fast, and/or blade
pitch too coarse.
Insufficient blade tension.
Blade not backed up by guide
thrust pads.

UPPER ASSEMBLY / TRACKING HUB ASSEMBLY - ASSEMBLY NO: SM1669 NOTE: SM1669 Nos, 1-5, 26-33, 35-37 & 39 ONLY.

ITEM	PT NO	DESCRIPTION	NO.OFF
1	6701	Bandwheel Spindle	1
2	BO2082	Thrust Washer;	2
3	BO2081	Needle Roller;	2
4	6700	Bandwheel Hub - Top	1
5	B06001	External Circlip;	
6	B05917	Washer	19
7	B05560	Hex. Screw;	7
8	2473	14" Dia. Bandwheel	1
9	SM1667	Top Guard	1
10	4891	Blade Guide	2
11	B05715	Full	11
12	6756	Table Insert	1
13	4919	Washer	1
14	BO5621	Coach Bolt;	2
15	SM1434	Guide Bracket	1
16	5060	Washer	1
17	BO5566	Hex. Screw;	1
18	5496	Blade Guard Handle	1
19	5313	Modified Cap Screw	2
20	B05210	Set Screw;	1
21	4889/C	Top Guide Post	1
22	BO2208	Spring;	1
23	4988	Special Nut	1
24	B02545	Handwheel;	1
25	BO5620	Coach Bolt;	4
26	6705	Pivot Pin	1
27 28	B05930	Star Washer	2
29	SM1676 BO5922	Tracking Channel Washer	1
30	B05777	Binx Nut	1
31	4902/B	Tension Screw	1 1
32	7805	Trunnion Nut	1
33	8315	Slotted Nut	1
34	BO5919	Washer	3
35	7834	Spring Plate	1
36	BO2241	Pisc Spring;	22
37	SM1675	Guide	1
38	BO2530	Ball Knob;	1
39	B05370	Sel Loc;	1
40	6706	Tracking Lock Knob	1
41	5352/B	\times Stud	1
42	B05757	Locknut	1
43	BO2557)) Handknob;	1
44	7835	Captive Thumb Screw	1
45	SM1665	Top Door	1
46	7354	Tension Indicator Plate	1
47	7839	Bush	1
48	B05547	Hex. Screw;	1
49	B05914	Washer	3
50 51	BO5773 7878	Binx Nut	1
51 52 <	7878 BØ\$713	Tension Plate	1
52	D05/13	Full Nut	4

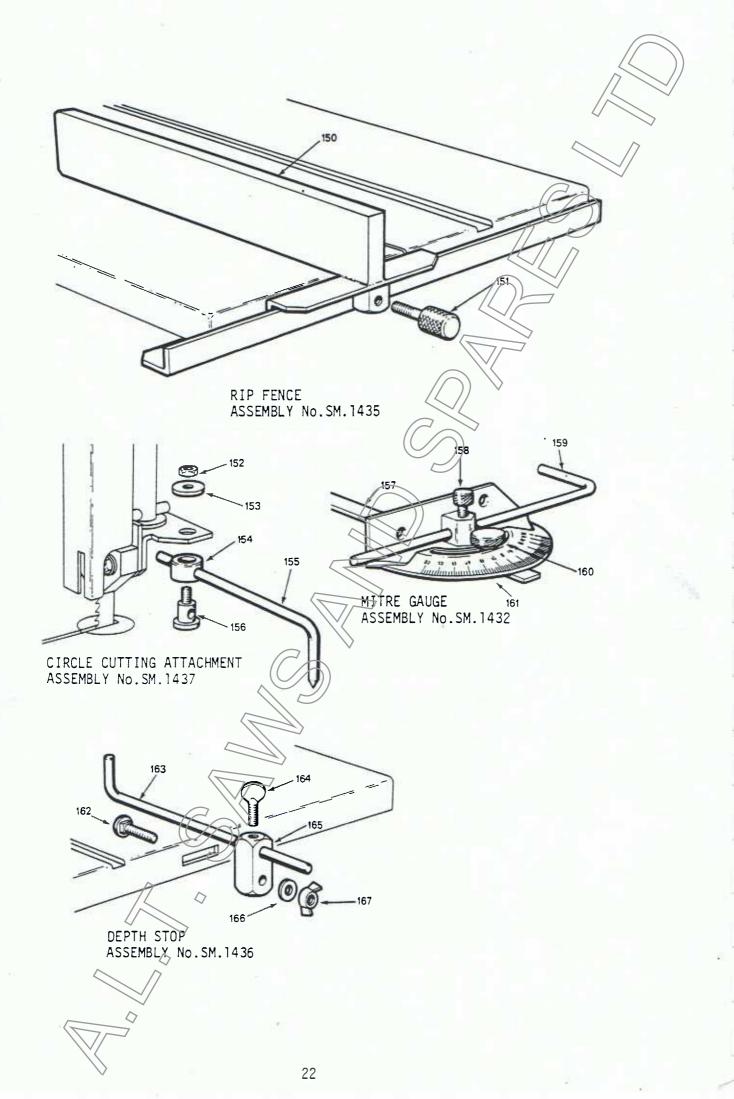






UPPER ASSEMBLY (CONTINUED).

Sign	ITEM	I PT NO	DESCRIPTION	OFF
SM1392	53	BO5942	Washer	2
Second				
SM1671/A Control Panel 1 1 57 B05860 Self Tap; 3 4 58 Starter 59 Flush Mounted Starter Switch 1 for 3 Phase Machines. (Not Illustrated) 1 60 SM585/A Thrust Rod - Top 1 1 1 1 1 1 1 1 1			()	
Self Tap; 4 58				
Starter				
Flush Mounted Starter Switch 1		203000		
for 3 Phase Machines. (Not Illustrated) 1 BO5205 Set Screw; LOWER ASSEMBLY/MOTOR PLATFORM ASSEMBLY SM1670/A; B & D NOTE: SM1670 Nos: 80.86; 88; 90-1037 80 BO5777 Binx Nut 81 BO5922 Washer 82 6701 Bandwheel Spindle 83 BO2082 Thrust Washer; 84 BO2081 Needle Roller; 85 7795 Bandwheel Pulley (50Hz) 86 BO6001 Circlip External; 87 2473 14" Dia Bandwheel 88 BO5917 Washer 89 BO5560 Hex. Screw; 90 BO5189 Set. Screw; 91 77997/B Motor Pullay 92 BO2160 Polyflex Vee Belt 93 Motor Small Key 94 STARCRO019 Motor; 0.75kW 230/1/60 STARCRO020 Motor; 0.75kW 240/3/50 STARCRO021 Motor; 0.75kW 240/3/50 STARCRO022 Motor; 0.75kW 440/3/50 STARCRO020 Motor; 0.75kW 440/3/50 STARCRO021 Motor; 0.75kW 440/3/50 STARCRO022 Motor; 0.75kW 440/3/50 STARCRO022 Motor; 0.75kW 440/3/50 STARCRO024 Motor; 0.75kW 440/3/50 STARCRO025 Motor; 0.75kW 440/3/50 STARCRO026 Motor; 0.75kW 440/3/50 STARCRO027 Motor; 0.75kW 440/3/50 STARCRO028 Motor; 0.75kW 440/3/50 STARCRO029 Motor; 0.75kW 420/3/50 NOT USED 96 BO5715 Full Nut 10 BO5568 Hex. Screw; 98 7826 Spaces 99 BO5944 Washer 100 7840 Motor Platform 101 7840 Motor Platform 102 BO5764 Lepknut 103 7824 Jacking Bolt 104 BO5568 Hex. Screw; 105 2270 Hex. Screw; 106 BO5566 Hex. Screw; 107 6942 Special Washer 108 SM1668 Cabinet Base 109 7835 Captive Thumb Screw 110 SM1666 BO5566 Bottom Door 111 BO5753 Locknut 112 BO5717 Full Nut 113 BO5921 Washer 114 BO5841 Stud;				
60 SM585/A Thrust Rod - Top 1 61 B05205 Set Screw; LOWER ASSEMBLY/MOTOR PLATFORM ASSEMBLY SM1670/A; B & D NOTE: SM1670 Nos: 80.86; 88; 90-103; 80 B05777 Binx Nut 81 B05922 Washer 1 82 6701 Bandwheel Spindle 1 83 B02082 Thrust Nasher; 2 84 B02081 Needle Roller; 2 85 7795 Bandwheel Pulley (50Hz) 1 7796 Bandwheel Pulley (50Hz) 1 88 B05917 Washer 2 89 B05506 Hex. Screw; 3 90 B05189 Set. Screw; 3 91 7797/B Motor Pulley vee Relt 92 B021610 Polyflex Vee Relt 93 Motor; 0.75kW 230/1/60 STARCR0019 Motor; 0.75kW 230/1/60 STARCR0021 Motor; 0.75kW 240/1/50 STARCR0021 Motor; 0.75kW 240/1/	3,7		// // ^	-
LOWER ASSEMBLY/MOTOR PLATFORM ASSEMBLY SM1670/A; B & D NOTE: SM1670 Nos: 80.86; 88; 90-1037	60	SM585/3		1
LOWER ASSEMBLY/MOTOR PLATFORM ASSEMBLY SM1670/A; B & D NOTE: SM1670 Nos: 80.86; 88; 90.1037 80 B05777 Binx Nut 81 B05922 Washer 82 6701 Bandwheel Spindle 83 B02082 Thrust Washer; 84 B02081 Needle Roller; 85 7795 Bandwheel Fulley (50Hz) 7796 Bandwheel Fulley (60Hz) 86 B06001 Circlip External; 87 2473 14" Dia Bandwheel 88 B05917 Washer 89 B05560 Hex. Screw; 90 B05189 Set. Screw; 90 B05189 Set. Screw; 91 7797/B Motor Pullex 92 B0216D Polyflex Vee Belt 93 Motor Shaff Rey; 94 STARCR0019 Motor; 0.75kW 230/1/60 STARCR0020 Motor; 0.75kW 240/1/50 STARCR0021 Motor; 0.75kW 240/1/50 STARCR0022 Motor; 0.75kW 420/3/50 NOTUSED 95 NOTUSED 96 B05715 Full Nut 97 B05564 Hex Screw; 98 7826 Space; 99 B05944 Washer 100 7840 Motor Platform 101 B05764 Jacking Bolt 104 B05568 Hex. Screw; 105 2270 Wheel Brush 106 B05764 Jacking Bolt 107 6942 Special Washer 108 SM1668 Cabinet Base 109 7835 Captive Thumb Screw 110 SM1666 Bottom Door 111 B05753 Lockmut 112 B05717 Full Nut 113 B05821 Washer 3 3 114 B05841 Stud;		-	-	
NOTE:- SM1670 Nos: 80.86, 88, 50.1037	Ų1	103203	Set Screw;	÷
NOTE:- SM1670 Nos: 80.86, 88, 50.1037		TOWN LOSTING		
80 B05777 Binx Nut 81 B05922 Washer 82 6701 Bandwheel Spindle 83 B02082 Thrust Washer; 84 B02081 Needle Roller; 85 7795 Bandwheel Pulley (50Hz) 7796 Bandwheel Pulley (60Hz) 86 B06001 Circlip External; 87 2473 14" Dia Bandwheel 88 B05917 Washer 89 B05560 Hex. Screw; 90 B05189 Set. Screw; 91 7797/B Motor Pulley 92 B02160 Polyflex Vee Relt 93 Motor Shaff Rey 94 STARCR0019 Motor; 0.75kW 23001/60 STARCR0021 Motor; 0.75kW 24001/50 STARCR0021 Motor; 0.75kW 24001/50 STARCR0022 Motor; 0.75kW 420/3/50 NOT USED 95 NOT USED 96 B05715 Full Nut 97 B05564 Hex. Screw; 98 7826 Spacer 99 B05944 Washer 100 7840 Motor Shaff Medical Results 101 7824 Hex. Screw; 102 B05764 Locknut 103 7824 Jacking Bolt 104 B05568 Hex. Screw; 105 2270 Wheel Brush 106 B05565 Captive Thumb Screw 110 SM1666 Cabinet Base 109 7835 Captive Thumb Screw 110 SM1666 Bottom Door 111 B05753 Locknut 112 B05717 Full Nut 113 B05921 Washer 114 B057841 Stud;				
B1		N	OTE: SM1670 Nos: 80.86; 88; 90 103.	
B1	80	BO5777	Binx Nut	1
82 6701 Bandwheel Spindle 1 83 B02082 Thrust Washer; 2 84 B02081 Needle Roller; 2 85 7795 Bandwheel Pulley (50Hz) 1 7796 Bandwheel Pulley (60Hz) 1 86 B06001 Circlip External; 1 87 2473 14" Dia Bandwheel 1 88 B05917 Washer 27 89 B05560 Hex. Screw; 3 90 B05189 Set. Screw; 1 91 7797/B Motor Pulley 92 B0216D Polyflex Vee Relt 93 Motor Shart Key 1 94 STARCR0019 Motor; 0.75kW 230/1/60 STARCR0020 Motor; 0.75kW 440/3/60 STARCR0021 Motor; 0.75kW 440/1/50 STARCR0021 Motor; 0.75kW 420/3/50 NOT USED 95 95 NOT USED 98 7826 Spacer 3 99 B05944 Washer 3 100 7840 Motor Flatform 1 102 B05764 Hex Screw; 3 99 B05944 Washer 3 104 B05568 Hex. Screw; 1 105 2270 Wheel Brush 1 106 B05566 Hex. Screw; 5 107 7935 Captive Thumb Screw 1 108 SM1668 Cabinet Base 1 109 7835 Captive Thumb Screw 1 111 B05753 Locknut 1 112 B05717 Full Nut 1 113 B05921 Washer 3 114 B05841 Stud; 3				
### B02082			/ \ / /	
84 B02081 Needle Roller; 85 7795 Bandwheel Pulley (50Hz) 7796 Bandwheel Pulley (60Hz) 86 B06001 Circlip External; 1 14" Dia Bandwheel 88 B05917 Washer 89 B05560 Hex. Screw; 30 B05189 Set. Screw; 91 7797/B Motor Pulley 92 B0216D Polyflex Vee Relt 93 Motor Shall Key 94 STARCR0019 Motor; 0.75kW 230/1/60 STARCR0020 Motor; 0.75kW 240/1/50 STARCR0021 Motor; 0.75kW 440/3/60 STARCR0022 Motor; 0.75kW 420/3/50 Not USED 95 Not USED 96 B05715 Full Nut 97 B05564 Hex. Screw; 98 7826 Spacet 99 B05944 Washer 100 7840 Motor Platform 101 B05764 Lecknut 102 B05764 Lecknut 104 B05568 Hex. Screw; 105 2270 Wheel Brush 106 B05566 Hex. Screw; 107 6942 Special Washer 108 SM1668 Cabinet Base 109 7835 Captive Thumb Screw 110 SM1666 Bottom Door 111 B05753 Locknut 112 B05717 Full Nut 113 B05921 Washer 13 B05921 Washer 14 B05841 Stud;				
85 7795 Bandwheel Fulley (50Hz) 7796 Bandwheel Pulley (60Hz) 86 B06001 Circlip External: 87 2473 14" Dia Bandwheel 88 B05917 Washer 89 B05560 Hex. Screw; 90 B05189 Set. Screw; 91 7797/B Motor Fulley 92 B0216D Polyflex Vee Relt 93 Motor Shell Key 94 STARCR0019 Motor; 0.75kW 230/1/60 STARCR0020 Motor; 0.75kW 240/1/50 STARCR0021 Motor; 0.75kW 240/1/50 STARCR0022 Motor; 0.75kW 420/3/50 NOT USED 95 NOT USED 96 B05715 Full Nut 14 97 B05564 Hex Screw; 98 7826 Spaced: 99 B05944 Washer 100 7840 Motor Flatform 101 B05764 Lecknut 102 B05764 Lecknut 103 7824 Jacking Bolt 104 B05568 Hex. Screw; 105 2270 Wheel Brush 106 B05566 Hex. Screw; 107 6942 Special Washer 108 SM1668 Cabinet Base 109 7835 Captive Thumb Screw 110 SM1666 Bottom Door 111 B05753 Locknut 112 B05717 Full Nut 113 B05921 Washer 13 B05921 Washer 14 B05841 Stud;			. // ~ *	
7796 Bandwheel Pulley (60Hz) 86 B06001 Circlip External: 87 2473 14" Dia Bandwheel 88 B05917 Washer 89 B05560 Hex. Screw; 90 B05189 Set. Screw; 91 7797/B Motor Pulley 92 B02160 Polyflex Vee Relt 93 Motor Shell Key 94 STARCR0019 Motor; 0.75kW 230/1/60 STARCR0020 Motor; 0.75kW 240/1/50 STARCR0021 Motor; 0.75kW 420/3/50 STARCR0022 Motor; 0.75kW 420/3/50 NOT USED 95 NOT USED 96 B05715 Full Nut 97 B05564 Hex. Screw; 98 7826 Spacel 99 B05944 Washer 100 7840 Motor Platform 101 7840 Motor Platform 102 B05764 Locknut 103 7824 Jacking Bolt 104 B05568 Hex. Screw; 105 2270 Wheel Brush 106 B05566 Hex. Screw; 107 6942 Special Washer 108 SM1668 Cabinet Base 109 7035 Captive Thumb Screw 110 SM1666 Bottom Door 111 B05753 Locknut 112 B05717 Full Nut 13 B05921 Washer				
86 B06001 Circlip External: 87 2473 14" Dia Bandwheel 88 B05917 Washer 27 89 B05560 Hex. Screw; 390 B05189 Set. Screw; 91 7797/B Motor Pulley 92 B0216D Polyflex Vee Belt 93 Motor Shart Key 94 STARCR019 Motor; 0.75kW 230/1/60 STARCR020 Motor; 0.75kW 440/3/60 STARCR0021 Motor; 0.75kW 420/1/50 STARCR0022 Motor; 0.75kW 420/3/50 95 STARCR0021 Motor; 0.75kW 420/3/50 96 B05715 Full Nut 97 B05564 Hex Screw; 98 7826 Spacer 99 B05944 Washer 30 T840 Metor Platform 102 B05764 Lecknut 103 7840 Metor Platform 100 7840 Metor Platform 1102 B05764 Lecknut 103 7824 Jacking Bolt 104 B05568 Hex. Screw; 105 2270 Wheel Brush 106 B05566 Hex. Screw; 107 6942 Special Washer 108 SM1668 Cabinet Base 109 7035 Captive Thumb Screw 110 SM1666 Bottom Door 111 B05753 Locknut 112 B05717 Full Nut 13 B05921 Washer				•
87 2473	86			1
88 B05917 Washer 89 B05560 Hex. Screw; 90 B05189 Set. Screw; 91 7797/B Motor Pulley 92 B0216D Polyflex Vee Helt 93 Motor Shaft Key 94 STARCR0019 Motor; 0.75kW 230/1/60 STARCR0020 Motor; 0.75kW 240/1/50 STARCR0021 Motor; 0.75kW 420/3/50 STARCR0022 Motor; 0.75kW 420/3/50 STARCR0022 Motor; 0.75kW 420/3/50 95 NOT USED 96 B05715 Full Nut 97 B05564 Hex Screw; 98 7826 Spacer 99 B05944 Washer 100 7840 Motor Platform 102 B05764 Lecknut 103 7824 Jacking Bolt 104 B05568 Hex. Screw; 105 2270 Wheel Brush 106 B05566 Hex. Screw; 107 6942 Special Washer 108 SM1668 Cabinet Base 109 7035 Captive Thumb Screw 110 SM1666 Bottom Door 111 B05753 Locknut 12 B05717 Full Nut 13 B05921 Washer 13 B05921 Washer 14 B05841 Stud;				
89 B05560 Hex. Screw; 90 B05189 Set. Screw; 91 7797/B Motor Pulley 92 B0216D Polyflex Vee Relt 93 Motor Shaft Key 94 STARCR0019 Motor; 0.75kW 230/1/60 STARCR0020 Motor; 0.75kW 240/1/50 STARCR0021 Motor; 0.75kW 440/3/60 STARCR0022 Motor; 0.75kW 420/1/50 STARCR0022 Motor; 0.75kW 420/1/50 STARCR0022 Motor; 0.75kW 420/3/50 95 Nor USED 96 B05715 Full Nut 14 97 B05564 Hex Screw; 3 98 7826 Spacer 3 99 B05944 Washer 3 100 7840 Motor Platform 1 102 B05764 Locknut 1 103 7824 Jacking Bolt 1 104 B05568 Hex. Screw; 1 105 2270 Wheel Brush 1 106 B05566 Hex. Screw; 5 107 6942 Special Washer 4 108 SM1668 Cabinet Base 1 109 7835 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 B05753 Locknut 1 112 B05717 Full Nut 3 113 B05921 Washer 3 114 B05841 Stud; 3				
90 B05189 Set. Screw; 1 91 7797/B Motor Pulley 1 92 B0216D Polyflex Vee Belt 9 3 Motor Shaft Key 1 94 STARCR0019 Motor; 0.75kW 230/1/60 1 STARCR0020 Motor; 0.75kW 440/3/60 STARCR0021 Motor; 0.75kW 420/3/50 STARCR0022 STARCR0022 Motor; 0.75kW 420/3/50 STARCR0022				
91 7797/B Motor Pulley 92 B0216 D Polyflex Vee Relt 93 Motor Shaft Key 94 STARCR0019 Motor; 0.75kW 230/1/60 STARCR0021 Motor; 0.75kW 440/3/60 STARCR0021 Motor; 0.75kW 420/1/50 STARCR0022 Motor; 0.75kW 420/3/50 95 NOT USED 96 B05715 Full Nut 14 97 B05564 Hex Screw; 3 98 7826 Spacet 3 99 B05944 Washer 3 100 7840 Motor Platform 1 102 B05764 Locknut 1 103 7824 Jacking Bolt 1 104 B05568 Hex. Screw; 1 105 2270 Wheel Brush 1 106 B05566 Hex. Screw; 5 107 6942 Special Washer 4 108 SM1668 Cabinet Base 1 109 7835 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 B05753 Locknut 1 112 B05717 Full Nut 3 113 B05921 Washer 3 114 B05841 Stud; 3				
92 B0216 Polyflex Vee Helt 93				
93				
94 STARCRO019 Motor; 0.75 W 230/1/60 STARCRO020 Motor; 0.75 W 440/3/60 STARCRO021 Motor; 0.75 W 240/1/50 STARCRO022 Motor; 0.75 W 240/1/50 95 NOTUSED 96 BO5715 Full Nut 14 97 BO5564 Hex Screw; 3 98 7826 Spacer 3 99 BO5944 Washer 3 100 7840 Motor Platform 1 102 BO5764 Lecknut 1 103 7824 Jacking Bolt 1 104 BO5568 Hex. Screw; 1 105 2270 Wheel Brush 1 106 BO5566 Hex. Screw; 5 107 6942 Special Washer 4 108 SM1668 Cabinet Base 1 109 7835 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 BO5753 Locknut 1 112 BO5717 Full Nut 3 113 BO5921 Washer 3 114 BO5841 Stud; 3		202202		1
STARCR0020 Motor; 0.75kW 440/3/60 STARCR0021 Motor; 0.75kW 240/1/50 STARCR0022 Motor; 0.75kW 420/3/50 95 NOT USED 96 BO5715 Full Nut 14 97 BO5564 Hex Screw; 3 98 7826 3 99 BO5944 Wesher 3 100 7840 Motor Platform 1 102 BO5764 Lecknut 1 103 7824 Jacking Bolt 1 104 BO5568 Hex. Screw; 1 105 2270 Wheel Brush 1 106 BO5566 Hex. Screw; 5 107 6942 Special Washer 4 <		STARCRO019		
STARCR0021 Motor; 0.75kW 240/1/50 95 NOT USED 96 BO5715 Full Nut 14 97 B05564 Hex Screw; 3 98 7826 Spacer 3 99 B05944 Washer 3 100 7840 Motor Platform 1 102 B05764 Locknut 1 103 7824 Jacking Bolt 1 104 B05568 Hex. Screw; 1 105 2270 Wheel Brush 1 106 B05566 Hex. Screw; 5 107 6942 Special Washer 4 108 SM1668 Cabinet Base 1 109 7%35 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 B05753 Locknut 1 112 B05717 Full Nut 3 113 B05921 Washer 3 114 B05841 Stud; 3				-
STARCRO022 Motor; 0.75kW 420/3/50 95				
95				
96 B05715 Full Nut 14 97 B05564 Hex Screw; 3 98 7826 Spacer 3 99 B05944 Washer 3 100 7840 Motor Platform 1 102 B05764 Locknut 1 103 7824 Jacking Bolt 1 104 B05568 Hex. Screw; 1 105 2270 Wheel Brush 1 106 B05566 Hex. Screw; 5 107 6942 Special Washer 4 108 SM1668 Cabinet Base 1 109 7/335 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 B05/53 Locknut 1 112 B05717 Full Nut 3 113 B05921 Washer 3 114 B05/841 Stud; 3	95			
97 B05564 Hex Screw; 3 98 7826 Spacer 3 99 B05944 Washer 3 100 7840 Motor Platform 1 102 B05764 Locknut 1 103 7824 Jacking Bolt 1 104 B05568 Hex. Screw; 1 105 2270 Wheel Brush 1 106 B05566 Hex. Screw; 5 107 6942 Special Washer 4 108 SM1668 Cabinet Base 1 109 7835 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 B05753 Locknut 1 112 B05717 Full Nut 3 113 B05921 Washer 3 114 B05841 Stud; 3		BO5715		14
98 7826 Spacer 3 99 BO5944 Washer 3 100 7840 Motor Platform 1 102 BO5764 Locknut 1 103 7824 Jacking Bolt 1 104 BO5568 Hex. Screw; 1 105 2270 Wheel Brush 1 106 BO5566 Hex. Screw; 5 107 6942 Special Washer 4 108 SM1668 Cabinet Base 1 109 7835 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 BO5753 Locknut 1 112 BO5717 Full Nut 3 113 BO5921 Washer 3 114 BO5841 Stud; 3				
99 B05944 Washer 100 7840 Meter Platform 1102 B05764 Lecknut 103 7824 Jacking Bolt 104 B05568 Hex. Screw; 105 2270 Wheel Brush 106 B05565 Hex. Screw; 107 6942 Special Washer 108 SM1668 Cabinet Base 109 7035 Captive Thumb Screw 110 SM1666 Bottom Door 111 B05753 Locknut 112 B05717 Full Nut 113 B05921 Washer 114 B05841 Stud;				
100 7840 Meter Platform 1 102 BO5764 Lecknut 1 103 7824 Jacking Bolt 1 104 BO5568 Hex. Screw; 1 105 2270 Wheel Brush 1 106 BO5566 Hex. Screw; 5 107 6942 Special Washer 4 108 SM1668 Cabinet Base 1 109 7835 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 BO5753 Locknut 1 112 BO5717 Full Nut 3 113 BO5921 Washer 3 114 BO5841 Stud; 3				
102 B05764 Locknut 1 103 7824 Jacking Bolt 1 104 B05568 Hex. Screw; 1 105 2270 Wheel Brush 1 106 B05566 Hex. Screw; 5 107 6942 Special Washer 4 108 SM1668 Cabinet Base 1 109 7035 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 B05753 Locknut 1 112 B05717 Full Nut 3 113 B05921 Washer 3 114 B05841 Stud; 3				
103 7824 Jacking Bolt 1 104 BO5568 Hex. Screw; 1 105 2270 Wheel Brush 1 106 BO5566 Hex. Screw; 5 107 6942 Special Washer 4 108 SM1668 Cabinet Base 1 109 7835 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 BO5753 Locknut 1 112 BO5717 Full Nut 3 113 BO5921 Washer 3 114 BO5841 Stud; 3				
104 B05568 Hex. Screw; 1 105 2270 Wheel Brush 1 106 B05566 Hex. Screw; 5 107 6942 Special Washer 4 108 SM1668 Cabinet Base 1 109 7%35 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 B05753 Locknut 1 112 B05717 Full Nut 3 113 B05921 Washer 3 114 B05841 Stud; 3			7 - /	
105 2270 Wheel Brush 1 106 B05566 Hex. Screw; 5 107 6942 Special Washer 4 108 SM1668 Cabinet Base 1 109 7835 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 B05753 Locknut 1 112 B05717 Full Nut 3 113 B05921 Washer 3 114 B05841 Stud; 3		/ 4		
106 B05566 Hex. Screw; 5 107 6942 Special Washer 4 108 SM1668 Cabinet Base 1 109 7835 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 B05753 Locknut 1 112 B05717 Full Nut 3 113 B05921 Washer 3 114 B05841 Stud; 3				
107 6942 Special Washer 4 108 SM1668 Cabinet Base 1 109 7/835 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 B05753 Locknut 1 112 B05717 Full Nut 3 113 B05921 Washer 3 114 B05841 Stud; 3				
108 SM1668 Cabinet Base 1 109 7835 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 B05753 Locknut 1 112 B05717 Full Nut 3 113 B05921 Washer 3 114 B05841 Stud; 3			·	
109 7835 Captive Thumb Screw 1 110 SM1666 Bottom Door 1 111 B05753 Locknut 1 112 B05717 Full Nut 3 113 B05921 Washer 3 114 B05841 Stud; 3			_	
110 SM1666 Bottom Door 1 111 BO5753 Locknut 1 112 BO5717 Full Nut 3 113 BO5921 Washer 3 114 BO5841 Stud; 3				
111 BO5753 Locknut 1 112 BO5717 Full Nut 3 113 BO5921 Washer 3 114 BO5841 Stud; 3				
112 B05717 Full Nut 3 113 B05921 Washer 3 114 B05841 Stud; 3				
113 B05921 Washer 3 114 B05841 Stud; 3				
114 B05841 Stud; 3				
		/ 7		



OPTIONAL EXTRAS AND ACCESSORIES.

'Cyclair' Extraction Unit - 1 Phase
'Cyclair' Extraction Unit - 3 Phase

169 SM1393 Dust Extraction Unit to be coupled directly to machine.

Model B15 Bandsaw brazer unit, for joining blades up

Model B15 Bandsaw brazer unit, for joining blades up to 5mm wide from bulk coil stocks.

A.L.T. SAWS AND SPARES LTD BAND SAW BLADES

www.altsawsandspares.co.uk

