

A SELECTION FROM THE VAST RANGE OF

Clarke[®]

QUALITY PRODUCTS

AIR COMPRESSORS
From DIY to industrial. Plus air tools,
spray guns and accessories.

GENERATORS
Prime duty or emergency standby
for business, home and leisure.

POWER WASHERS
Hot and cold, electric and engine
driven - we have what you need.

WELDERS
Mig, Arc, Tig and Spot. From DIY to
auto/industrial.

METALWORKING
Drills, grinders and saws for DIY and
professional use.

WOODWORKING
Saws, sanders, lathes, mortisers
and dust extraction.

HYDRAULICS
Cranes, body repair kits,
transmission jacks for all types of
workshop use.

WATER PUMPS
Submersible, electric and engine
driven for DIY, agriculture and
industry.

POWER TOOLS
Angle grinders, cordless drill sets,
saws and sanders.

STARTER/CHARGERS
All sizes for car & commercial use.



Clarke INTERNATIONAL

For spare parts and servicing, please contact your nearest dealer, or Clarke International on

020 - 8988 - 7400

e-mail: Parts@clarkeinternational.com e-mail: Service@clarkeinternational.com

Clarke[®]

WOODWORKER



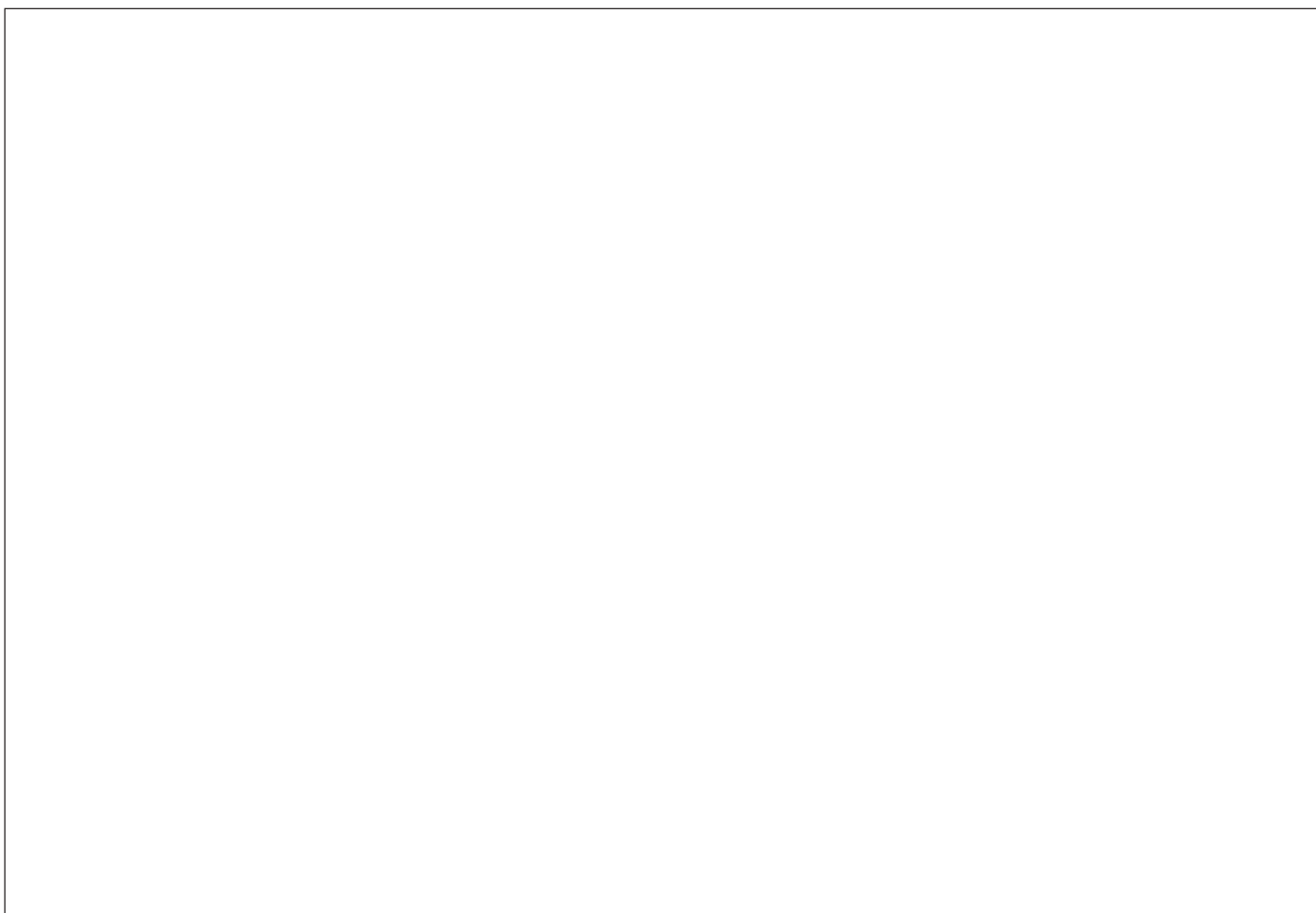
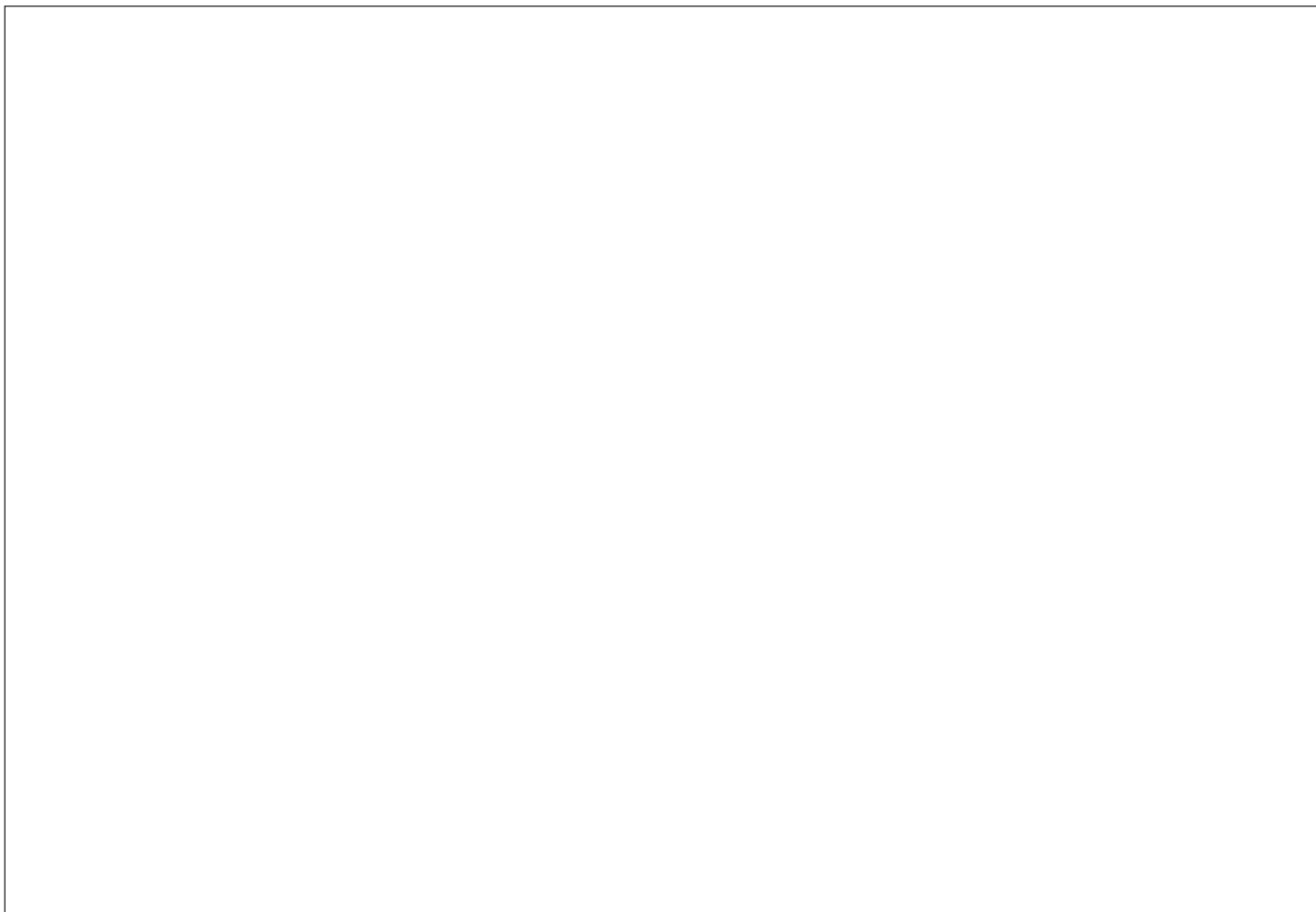
245 MM (10") BANDSAW & STAND
MODEL No. CBS250

Part No. 6460135

OPERATING & MAINTENANCE

INSTRUCTIONS





Clarke[®] INTERNATIONAL

This is an important document and should be retained

DECLARATION OF CONFORMITY



We declare that this product complies with the following standards/directives:

- 61029-2-5-2002
- 89/336/EC
- 98/68 EEC
- 73/23 EEC
- 98/37/EC (Annex 1V)

EC Type Approval No. 0197

Issued by TUV Rheinland Product Safety GmbH.

Description: Bandsaw

Model No: CBS250

Serial (Batch) No: See Machine Data Plate

Signed: 

Clarke[®] INTERNATIONAL
Hemnal Street, Epping, Essex CM16 4LG

Clarke[®] INTERNATIONAL

Please read these instructions carefully before operating the tool

Thank you for purchasing this **CLARKE** bandsaw. Before using the device, please read this manual thoroughly and carefully follow all instructions given. This is for your own safety and that of others around you, and is also to help you achieve a long and trouble free service from your new tool.

CLARKE GUARANTEE

This CLARKE product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not affect your statutory rights.

PARTS & SERVICE TEL: 020 8988 7400

or e-mail as follows:

PARTS: Parts@clarkeinternational.com

SERVICE: Service@clarkeinternational.com

Please note that the details and specifications contained herein are correct at the time of going to print. However CLARKE International reserve the right to change specifications at any time without prior notice. Always consult the machines data plate

CONTENTS

- Guarantee 1
- Specifications 2
- Safety Precautions 3-4
- Electrical Connections 5
- Unpacking The Machine 6
- Assembly 7-8
- Adjustments 8-10
- Changing Sawblade 11
- Operating Instructions 11-13
- Maintenance 13
- Parts Diags 14-15
- Parts Lists 16-18

SPECIFICATIONS

- Model: CBS250
- Part No: 6460135
- Power Rating 370w
- Fuse Rating 5amp
- Blade Speed 700 m/min
- Blade Length 1712mm
- Throat 245mm
- Max Cutting Depth @ 90° 100mm
- Max Cutting Depth @ 45° 75mm
- Table Size 340 x 335mm
- Table Height 1075mm
- Mitre Gauge Tilt L60° R60°
- Dimensions D-450 xW-550 xH-1550mm

NOTES

Parts List

Item	Part No	Description	Qty
81	QD250081	Housing Upper	1
82	QD250082	Slide Board	1
83	QD250083	Guide Lever	1
84	QD250084	Rack	4
85	QD250085	Cross Pan Hd Screw	1
86	QD250086	Cover Board	1
87	QD250087	Shaft	2
88	QD250088	Roll Pin	1
89	QD250089	Guide Piece	2
90	QD250090	Adjusting Knob	1
91	QD250091	Hex.Hd Lock Nut	1
92	QD250092	Cross Pan Hd Screw	3
93	QD250093	Wheel Lower	1
94	QD250094	Pulley Lower	1
95	QD250095	V-Ribbed Belts	1
96	QD250096	Hex.Nut	1
97	QD250097	Spring Washer	1
98	QD250098	Key	1
99	QD250099	Motor Pulley	1
100	QD250100	Int.Hd.Screw	1
101	QD250101	Power Cord	1
102	QD250102	Motor Cord	1
103	QD250103	Capacitor	1
104	QD250104	Motor	1
105	QD250105	Plate Mounting Motor	1
106	QD250106	Spring Washer	4
107	QD250107	Bearing Bolt Upper	1
108	QD250108	Hex.Hd Bolt	4
109	QD250109	Strong Draw	2

IMPORTANT:

The use of parts other than CLARKE replacement parts may result in safety hazards, decreased tool performance and may invalidate your warranty.

SAFETY PRECAUTIONS



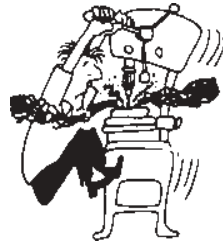
WARNING:

As with all machinery, there are certain hazards involved with their operation and use. Exercising respect and caution will considerably lessen the risk of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator or damage to property, may result.

- ALWAYS** Learn the machines' applications, limitations and the specific potential hazards peculiar to it. Read and become familiar with the entire operating manual.
- ALWAYS** use a face or dust mask if operation is particularly dusty.
- ALWAYS** check for damage. Before using the machine, any damaged part, should be checked to ensure that it will operate properly, and perform its intended function. Check for alignment of moving parts, breakage of parts, mountings, and any other condition that may affect the machines' operation. Any damage should be properly repaired or the part replaced. If in doubt, **DO NOT** use the machine. Consult your local dealer.
- ALWAYS** disconnect the tool/machine from the power supply before servicing and when changing accessories.
- ALWAYS** wear safety goggles, manufactured to the latest European Safety Standards. Everyday eyeglasses do not have impact resistant lenses, they are not safety glasses.
- ALWAYS** keep work area clean. Cluttered areas and benches invite accidents.
- ALWAYS** ensure that adequate lighting is available. A minimum intensity of 300 lux should be provided. Ensure that lighting is placed so that you will not be working in your own shadow.
- ALWAYS** keep children away. All visitors should be kept a safe distance from the work area, especially whilst operating the machine.
- ALWAYS** maintain machine in top condition. Keep tools/machines clean for the best and safest performance. Follow maintenance instructions.
- ALWAYS** handle with extreme care do not carry the tool/machine by its' electric cable, or yank the cable to disconnect it from the power supply.
- ALWAYS** ensure the switch is off before plugging in to mains. Avoid accidental starting.
- ALWAYS** concentrate on the job in hand, no matter how trivial it may seem. Be aware that accidents are caused by carelessness due to familiarity.
- ALWAYS** keep your proper footing and balance at all times don't overreach. For best footing, wear rubber soled footwear, keep floor clear of oil, scrap wood, etc.

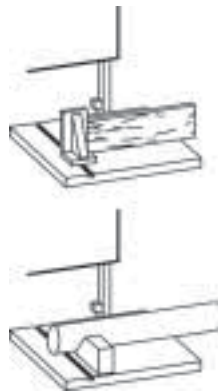


14. **ALWAYS** wear proper apparel. loose clothing or jewellery may get caught in moving parts. wear protective hair covering to contain long hair.
15. **ALWAYS** use recommended accessories. the use of improper accessories could be hazardous.
16. **ALWAYS** remove plug from electrical outlet when adjusting, changing parts, or working on the machine.
17. **NEVER** operate machine while under the influence of drugs, alcohol or any medication.
18. **NEVER** leave machine running unattended. turn power off. Do not leave the machine until it comes to a complete stop.
19. **NEVER** force the machine. it will do a better and safer job at the rate for which it was designed.
20. **NEVER** use power tools in damp or wet locations or expose them to rain. Keep your work area well illuminated. do not use in explosive atmosphere (around paint, flammable liquids etc). Avoid dangerous environment.



ADDITIONAL PRECAUTIONS FOR BANDSAWS

1. **ALWAYS** check safety guards are in place and functioning correctly before switching the machine ON.
2. **ALWAYS** use a push stick, especially on small workpieces.
3. **ALWAYS** use the appropriate saw blade for the material being cut.
4. **DO NOT** use the machine if the electric cable, plug or motor is in poor condition.
5. **DO NOT** allow the ventilation slots in the motor to become blocked.
6. **DO NOT** touch the blade immediately after use. when changing blade always allow time for it to cool.
7. **DO NOT** use bent or cracked blades.
8. Replacement blades are available from your CLARKE dealer.
9. Replace table insert if slot has become enlarged.
10. When cutting wood, ensure all nails have been removed beforehand. Nails will damage the saw blade.
11. When cutting boards in upright position use a suitable push block to prevent kickbacks
12. When cutting round stock, use a suitable jig or fixture to keep the work from turning.
13. Ensure the blade is fully tightened and correctly adjusted before use.
14. Keep the mains cable well away from the machine and ensure an adequate electrical supply is close at hand so that the operation is not restricted by the length of the cable.
15. Switch the machine OFF immediately the task is completed.



Additionally, please keep these instructions in a safe place for future reference.

Parts List

Item	Part No	Description	Qty
41	QD250041	Hex.Hd Flange Nut	1
42	QD250042	Spacer Bushing	1
43	QD250043	Bush	1
44	QD250044	Cup Square Neck Bolt	4
45	QD250045	Cross Pan Hd Screw	4
46	QD250046	Hex.Hd Lock Nut	2
47	QD250047	Blade Guard	1
48	QD250048	Cup Square Neck Bolt	4
49	QD250049	Blade Trunnion Lower	1
50	QD250050	Washer	2
51	QD250051	Int.Hd.Screw	5
52	QD250052	Roller Guide	1
53	QD250053	Pilot Pin	2
54	QD250054	Thrust Bearing Shaft	4
55	QD250055	Bearing	4
56	QD250056	Idler Wheel Shaft	1
57	QD250057	Int.Hd.Screw	2
58	QD250058	Blade Fork	1
59	QD250059	Table	1
60	QD250060	Cup Square Neck Bolt	1
61	QD250061	Guide Piece	1
62	QD250062	Table Trunnion Upper	1
63	QD250063	Hex.Hd Bolt	8
64	QD250064	Handle Assembly	1
65	QD250065	Hex.Hd Bolt	1
66	QD250066	Hex Nut	5
67	QD250067	Hex.Hd Bolt	6
68	QD250068	Rip Fence Extrusion	1
69	QD250069	Roll Pin	1
70	QD250070	Partiality Piece	1
71	QD250071	Connet Set	1
72	QD250072	Baffle Bracket	1
73	QD250073	Stuck Piece	2
74	QD250074	Baffle`	1
75	QD250075	Spring	1
76	QD250076	Clamp Board	1
77	QD250077	Clamp Screw	1
78	QD250078	Fastening Shaft	1
79	QD250079	Seat Guide Upper	1
80	QD250080	Cross Pan Hd Screw	2

Parts List


Item	Part No	Description	Qty
1	QD250001	Slotted Insert	3
2	QD250002	Washer	3
3	QD250003	Housing	3
4	QD250004	Washer	3
5	QD250005	Door-Lower	1
6	QD250006	Housing + Nut	3
7	QD250007	Tongue	3
8	QD250008	Ext.LockWasher 6	3
9	QD250009	Hex. Hd.Bolt M6x10	3
10	QD250010	Door-Upper	1
11	QD250011	Saw Blade	1
12	QD250012	Retaining Ring	2
13	QD250013	Ball Bearing	4
14	QD250014	Upper Wheel	1
15	QD250015	Balance Collar	
16	QD250016	Band Saw Tyre	2
17	QD250017	Bearing Upper Bolt	1
18	QD250018	Hex.Hd.Flange Nut	2
19	QD250019	Pin Guide	1
20	QD250020	Seat Brg Bolt Upper	1
21	QD250021	Hex.Hd.Flange Nut	8
22	QD250022	Guide Plate Assy	1
23	QD250023	Cross Pan.Hd.Screw	2
24	QD250024	Magnetic Switch	1
25	QD250025	Switch Plate	1
26	QD250026	Ext.Lock Washer	2
27	QD250027	Cross Pan Hd Screw	2
28	QD250028	Blade Tensioner	1
29	QD250029	Band Saw Frame	1
30	QD250030	Lamello Plug Black	1
31	QD250031	Adjust Handle	2
32	QD250032	Hex.Hd.Thin Nut	4
33	QD250033	Thread Bolt	1
34	QD250034	Washer	8
35	QD250035	Hex.Hd Bolt	4
36	QD250036	Hex.Hd Bolt	1
37	QD250037	Washer	10
38	QD250038	Nut	1
39	QD250039	Shaft	1
40	QD250040	Butterfly Spring	18

ELECTRICAL CONNECTIONS

This product is fitted with a standard 13 amp, 230 volt (50Hz), BS 1363 plug, for connection to a standard, domestic electrical supply. Should the plug need changing at any time, ensure that a plug of identical specification is used.

WARNING ! THIS APPLIANCE MUST BE EARTHED

This machine must be wired up in accordance with the following colour code:

	BLUE	-	NEUTRAL	
	BROWN	-	LIVE	
	GREEN/YELLOW	-	EARTH	

- Connect the BLUE coloured cord to the plug terminal marked "N"
- Connect the BROWN coloured cord to the plug terminal marked "L"
- Connect the GREEN/YELLOW coloured cord to the plug terminal marked "E"

If this appliance is fitted with a plug which is moulded on to the electric cable (i.e. non-rewireable) please note:

1. The plug must be thrown away if it is cut from the electric cable. There is a danger of electric shock if it is subsequently inserted into a socket outlet.
2. Never use the plug without the fuse cover fitted.
3. Should you wish to replace a detachable fuse carrier, ensure that the correct replacement is used (as indicated by marking or colour code).
4. Replacement fuse covers can be obtained from your local dealer or most electrical stockists.



Fuse Rating

The fuse in the plug must be replaced with one of the same rating (**5 amps**) and this replacement must be ASTA approved to BS1362.

If in doubt, consult a qualified electrician. Do not attempt any electrical repairs yourself.

Cable Extension

Always use an approved cable extension suitable for the power rating of this tool (see specifications), the conductor size should also be at least the same size as that on the machine, or larger. When using a cable reel, always unwind the cable completely.

IMPORTANT:

If a cable extension is needed, it is essential to comply with the following data.

Voltage	Extension length	Cable section
230v	Up to 20m	2.5mm ²
230v	From 20 to 50m	4mm ²

UNPACKING THE MACHINE

When lifting etc, always seek assistance from an able bodied person wherever possible, also when seeking assistance, you must ensure that you explain carefully where and when to lift, the weight, where it is going to be placed etc, it is important you that you take complete charge and give clear and precise instructions.

Lift only when the person you have asked, that he/she acknowledges full understanding.

To unpack the machine, proceed as follows;

1. Move the case as close as possible to where the machine is to be sited.
2. Carefully open the case top, fold flaps back and secure using tape or string etc, see Fig. 1.
3. Remove all loose components etc, lay out carefully for checking off, see Fig. 2.
4. Carefully lift machine from the case and place with other components.
5. Before commencing with assembly, check for damage and or shortages etc, any damage or shortage should be reported to where the machine was purchased as soon as possible.



Fig. 1

Check List

A.	Machine	1off
B.	Aluminium Extrusion	1off
C.	Rip fence assembly	1off
D.	Short Cross Member	2off
E.	Long Cross Member	2off
F.	Mitre Gauge	1off
G.	long Beam	2off
H.	Short Beam	2off
I.	Bag (Screws)	1off
J.	Bag (Tools etc)	1off
K.	Rubber Foot	4off
L..	Leg	4off
M.	Table	1off
N.	Push Stick	1off

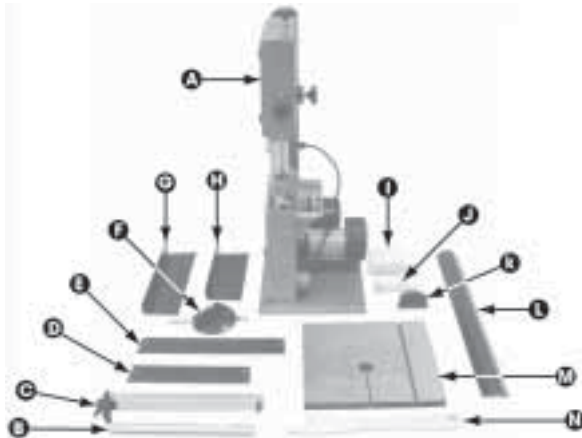
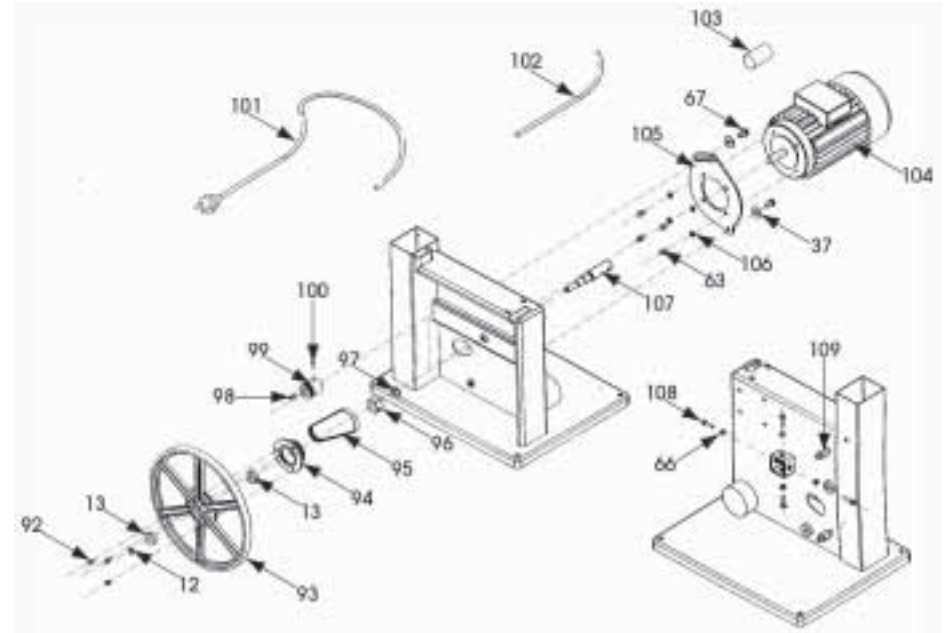


Fig. 2

Parts Diagram



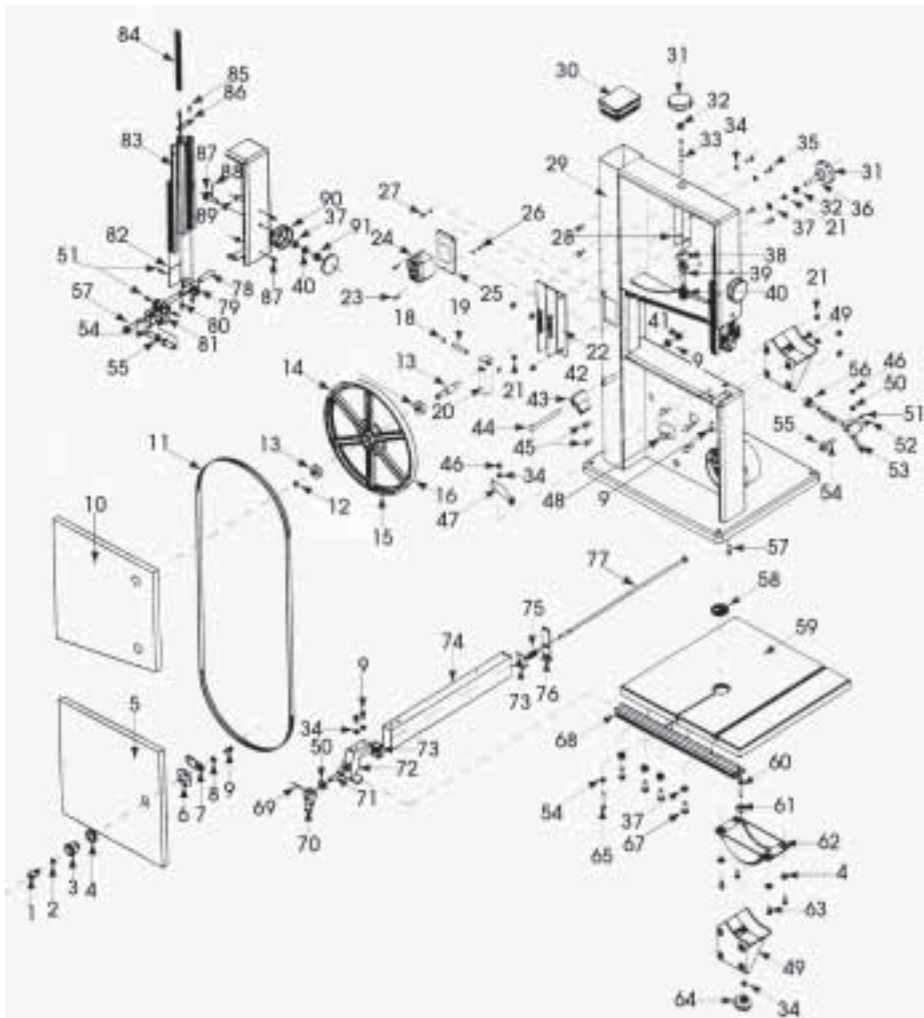
PARTS & SERVICE TEL: 020 8988 7400

or e-mail as follows:

PARTS: Parts@clarkeinternational.com

SERVICE: Service@clarkeinternational.com

Parts Diagram



IMPORTANT:

The use of parts other than CLARKE replacement parts may result in safety hazards, decreased tool performance and may invalidate your warranty.

ASSEMBLY

Stand

1. Assemble sub assy x 2, see fig. 3.

Parts required per assy, 2 legs (L), 1 short beam (H), 1 short cross member (D), and 8 short round head screws nuts and washers.

Do not fully tighten until all screws and nuts are loosely fitted, once all screws are fitted, check assy for squareness and tighten nuts, do not overtighten.

NOTE: beams and cross members fit inside legs, screws are fitted from the outside with washers and nuts on the inside.

2. Connect sub assy's together using 2 long cross members (E), 2 long beam's (G), and 8 short round head screws nuts and washers, 8 short hex head bolts washers and nuts, DO NOT tighten until all screws etc are loosely fitted.

NOTE: long beams are fitted on top of short beam's see Fig .4 For details. Hex head bolts are fitted from the top with washers and nuts on the underside.

3. Turn assembly upside down and fit one rubber foot to each leg, by simply pushing on.
Turn stand over onto it's feet, ensure all screws, nuts and bolts are fully tightened, stand is secure and does not rock about.
If stand does rock, loosen screws, nuts and bolts slightly, seat stand firmly and retighten all screws etc.

4. With assistance, carefully lift the machine onto the stand, line up corner holes for securing, secure machine to stand using, 4 long hex head bolts, fitted from the top with washers and nuts on the underside, fit all four bolts before final tightening, do not overtighten.

5. Fit the table (M), onto trunnion, secure using four Hexagonal bolts (A) and shakeproof washers see Fig. 5, do not overtighten.
Before switching ON, adjust the table so that the saw blade runs through the centre of the tables insert slot.

Centering The Table

- Loosen the four screws (B) securing the trunnion to the machine frame.
- Adjust the table so that the saw blade runs through the centre of the table insert.
- Tighten the securing screws, and check saw blade still runs in the centre of the table insert, if not carry out the adjustment again.



Fig. 3

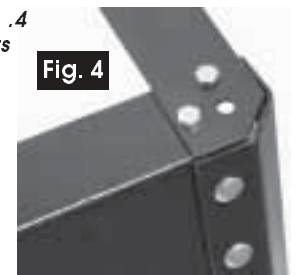


Fig. 4

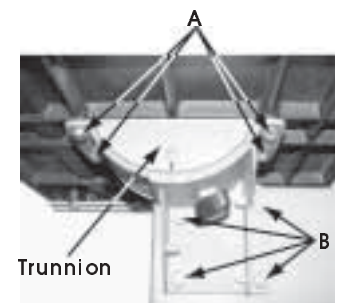


Fig. 5

Fit the aluminium profile with scale, to the front of the table using four bolts and washers supplied, ensure the cut out in the aluminium carrier is lined up with the 'T' slot in the table. DO NOT overtighten the bolts, the aluminium profile is required to be removed when changing or fitting new sawblades.



Aluminium Profile Fig. 6

Setting The Table Square With The Sawblade

Set the table square to the sawblade by loosening the knob, adjust the table so that the pointer lines up with the '0' position on the scale. (see Fig. 7).



Pointer
Scale Fig. 7
Knob

The table can be tilted to an angle of 45° to the sawblade. To tilt the table, loosen the knob, tilt the table top the required angle. The angle can be set by lining up the angle required on the scale with the pointer, it is recommended to check the correct angle setting, by making trial cuts in scrap pieces of wood.

Always ensure the table is secured in position, by tightening the knob before attempting to use the saw.

Attach the rip fence by locating the guide pins into the groove on the aluminium profile, see Fig. 8, lower the hook over the back edge of the table and lock into position with locking lever.

NOTE: when using the bandsaw with the table tilted, the rip fence must be fitted to the right of the sawblade.

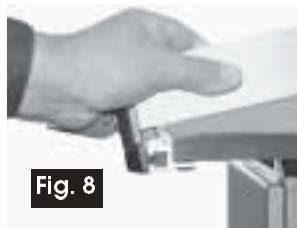


Fig. 8

IMPORTANT

Before plugging in and switching the machine ON, open the upper and lower band wheel doors.

Slowly rotate by hand, the upper band wheel in a clockwise direction only, observe the sawblade, which should run in the centre of both wheels, if the blade tracks off, carry out the tracking adjustment, if not your machine is ready for use.

ADJUSTMENTS

Tracking

Before carrying out this adjustment, all six blade guides must first be backed off, 3 above and 3 below the table. Also remove the table insert.

- Open the upper and lower doors
- Release the handwheel lock. (see Fig. 9), by turning it anticlockwise.
- Whilst slowly rotating the upper blade wheel clockwise, slowly turn the handwheel at the rear of the machine, (see Fig. 9), observe the sawblade, if it tracks in the desired direction, continue to turn the handwheel in the same direction until the blade runs in the centre of the blade wheels, if the blade



Lock

Mitre Cutting

Most crosscut work, especially with small pieces is more easily controlled with the use of a mitre guide. The mitre guide is also essential for accurate mitre and compound mitre cuts. The guide is graduated to 60° for both left and right hand angles.



WARNING

For your protection, **ALWAYS** use a push stick, this can easily be replaced, your fingers cannot

MAINTENANCE

BEFORE CARRYING OUT ANY SERVICING OR MAINTENANCE, DISCONNECT THE MACHINE FROM THE POWER SUPPLY

CHANGING TYRES

Eventually the rubber tyres on the bandsaw blade 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 both tyres are changed at the same time.

BLADE GUIDES

Blade guides should be inspected regularly for wear or chipping, and replaced if necessary.

BEARINGS

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

CLEANING

Accumulated dust and chips should be removed from inside the bandsaw frequently. Open the doors, of the upper and lower blade wheel housings, use a soft brush and/or vacuum cleaner to remove sawdust, DO NOT use compressed air. At the end of every work session, clean sawdust away from the motor vents.

Use both hands to feed the workpiece in 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 your work ahead. The tradesmans' rule is "measure twice, cut once". It is best to finish a cut in one continuous operation, but frequent backtracking may be necessary.

Turn off the motor and allow the blade to come to a complete stop before backing the workpiece away.

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 the scrap side of the lines you wish to cut. If necessary, allow a little more for finish sanding.

Rip Sawing

This term refers to the cutting of the timber with the grain, rather than across 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 level, set the rip fence to the left hand side of the blade (Fig.17), allowing you to use your right hand to hold the work firmly against the fence. The width of cut indicator on the front of the work table shows the distance between the blade and the edge of the timber.

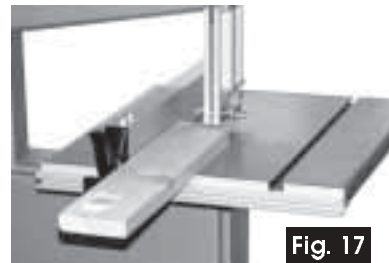


Fig. 17

When cutting a bevel rip, with the table tilted at any angle up to 45°, set the rip fence to the right hand side of the blade (Fig. 18), 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 slip. The width of cut indicator shows the distance between the blade and the rip fence.

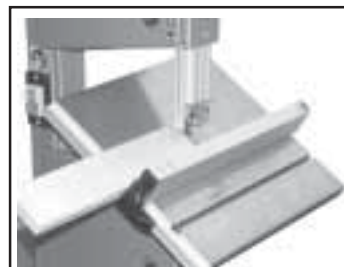


Fig. 18



Cross Cutting

This term refers to cutting 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.

tracks in the wrong direction, turn the handwheel in opposite direction.

- When tracking is achieved, lock the handwheel by turning the lock clockwise.

Lower Blade Wheel

Under normal circumstances, the bottom blade wheel does not need adjusting, it is factory set and should never alter.

If however the blade tracks off centre and all the previous adjustments have been carried out correctly, proceed to adjust as follows.

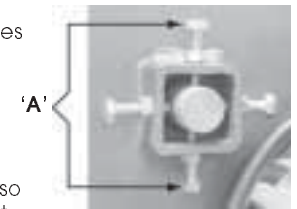


Fig. 10

The bottom blade wheel is adjustable in all directions, so extreme caution should be used when making any adjustments, if at all. It should only ever be necessary to make any changes on the two vertical adjusting screws 'A' see Fig. 10.

To carry out this adjustment, proceed as follows.

- Loosen both locknuts on adjusting screws 'A'.

- Slowly rotate the upper blade wheel in a clockwise direction, observe the sawblade whilst doing so.

- Loosen the top screw 'A', approx one flat, and tighten the bottom screw 'A'. If the sawblade tracks in the desired direction, continue with the adjustment, if not, loosen the bottom screw and tighten the top screw.

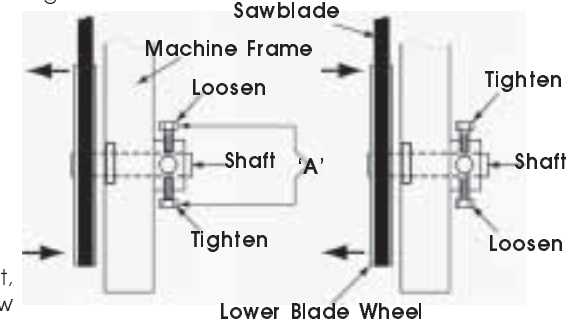


Fig. 11

Continue to make further adjustments in the same way until the blade runs in the centre of both blade wheels, it may be necessary to readjust the top wheel.

NOTE: when making this adjustment, turn the adjusting screws one flat at a time and observe the blade movement, once the blade runs in the centre of the blade wheels, tighten all locknuts.

Blade Guide Adjustment

- Remove the table.
- Loosen all guides, and back them off clear of the blade.
- Rotate the upper blade wheel and observe the blade again, if the blade now runs in the centre of the blade wheels, continue to adjust the blade guides. If not adjust the tracking.
- Assuming the blade is running in the centre of both blade wheels, continue to adjust the blade guides as follows.

Upper Blade Guides

- Loosen grub screw 'A' and move rear guide up to the back of the sawblade, until

it almost touches leaving a gap of no less than 0.5mm. Tighten the grub screw.

- Loosen grub screw 'B' and move the side guide up to the sawblade, again until it is within 0.5mm. Tighten grub screw.
- Repeat with the other side guide by loosening grub screw 'C'.

NOTE: the side guides must not cover more than two thirds of the blade, see Fig. 12, otherwise the guides will come into contact with the sawblade teeth. If the guides do cover more than two thirds of the sawblade, this can be reduced by carrying out the following adjustment.

- Loosen grub screw 'D' Fig.13 and move the assembly in required direction, when correct position is achieved, tighten the grub screw.



Fig. 13

Lower Blade Guides

- Loosen the thumb screw, (see Fig. 14), and adjust the rear blade guide as with the upper rear guide.
- Loosen the grub screws, (see Fig.12), 'A' & 'B', and adjust the side guides as with the upper side guides.

NOTE: if the guides cover more than two thirds of the blade, adjust as follows.

- Loosen nut at the rear of the guide assembly, (see Fig. 15), adjust the assembly as required, ensure the guides remain square to the sawblade, when satisfied the guides are adjusted correctly, tighten the nut, taking care not to move the guide assy.

NOTE: when carrying out this adjustment with either the upper assy or the lower assy, it is important before commencing to back the rear guide off first, and readjust again once the assembly is locked in place.

When all guide adjustments are complete, refit the table etc.

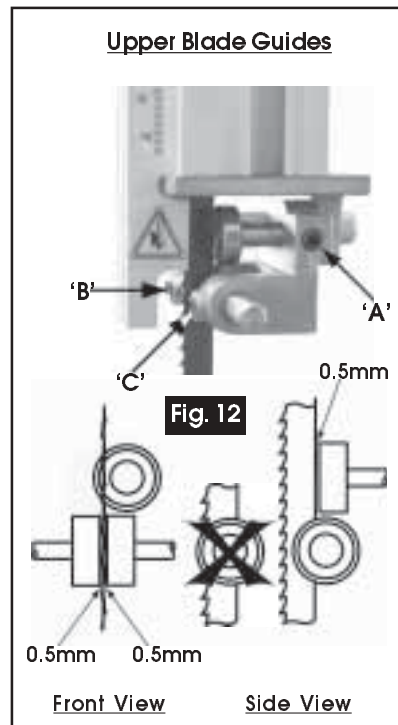


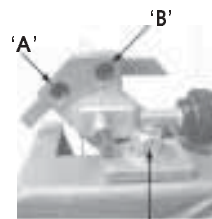
Fig. 12

Thumbscrew



Front View

Fig. 14



Nut
Rear View

Fig. 15

Changing the Sawblade.

Ensure the machine is switched OFF, and isolated from the main electrical supply by removing the plug from the 13amp socket.

- Remove the rip fence.
- Remove the aluminium Profile.
- Remove the table insert.
- Open the upper and lower doors.
- Open the sawblade guard.
- Loosen the tension on the sawblade by turning the handwheel on the top of the bandsaw in an anticlockwise direction.
- Carefully remove the sawblade, and store safely.
- Clean the machine, using a soft brush and vacuum cleaner.
- Fit the new sawblade in reverse order, ensure the blade is installed so that it runs in the correct direction.

NOTE: before tensioning the blade, ensure it is located in all the blade guides correctly.

- Slowly tension the blade by turning the handwheel on top of the machine in a clockwise direction, at the same time, slowly rotate by hand, the upper blade wheel, also in a clockwise direction, whilst doing this, observe the blade, it should run in the centre of both blade wheels. Only tension sufficiently to ensure the blade is taught and does not slip on the blade wheels.

If the blade runs off centre, adjust the tracking as follows. Under normal circumstances this should not be necessary.

OPERATION

Before commencing work, ensure the work area is clean and tidy, and the machine table is clear of tools etc.

Plan work carefully and set the machine up accordingly before plugging into the main electrical supply.

Cutting can be carried out using several methods, i.e. freehand, rip fence for parallel cutting, mitre guide, push blocks, etc.

The upper blade guide should always be set as close as practical to the workpiece, see Fig. 16. Not only does this provide the best safety for the operator, but it also brings the blade guides closer to the work giving more accurate results and easier control. to adjust the height, turn the adjusting knob on the right hand side of the upper wheel housing, anticlockwise to lower and clockwise to raise the guide assembly. continue to turn the knob until the required height is reached.



Fig. 16