

# WORX



## **SAFETY AND OPERATING MANUAL**

**Sliding mitre saw with laser**

**WX483**

# SAFETY INSTRUCTIONS

**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.

- 1 - Keep work area clear
- Cluttered areas and benches invite 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, tools 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 small 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 damps 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.

## SPECIFIC SAFETY RULES

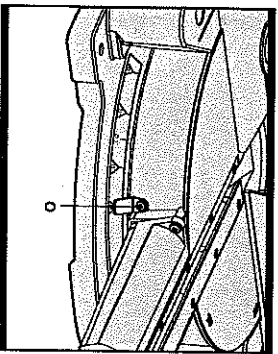
1. Do not use saw blades which are damaged or deformed.
2. Replace the table insert when worn.
3. Use only saw blades recommended by the manufacturer.
4. Do not use saw blades made of high-speed steel.
5. Always wear the hearing protection to reduce the risk of induced hearing loss.
6. Always wear the eye protection when use the tool.
7. Always wear a dust mask to reduce the risk of inhalation of harmful dust.

8. Wear gloves when handle saw blades (saw blades shall be carried in a holder wherever practicable) and rough material.

9. Connect the saw to a dust collecting device when sawing wood.
10. Select the correct saw blade for the material to be cut.
11. Do not use the saw to cut other materials than those recommended by the manufacturer.
12. Do not use the saw without the guards in position, in good working order and properly maintained.
13. Keep the floor area around the machine level, well-maintained and free of loose materials e.g. wood chips and timber off cuts.
14. Use correctly sharpened saw blades, Observe the maximum speed marked on the saw blade.
15. Ensure that any spacers and spindle rings used suitable for the purpose as stated by the manufacturer.
16. Retain from removing any cut-off or other parts of the workpiece from the cutting area whilst the machine is running and the saw head is not in the rest position.
17. Ensure that the machine is always fixed to a bench, whenever possible.

## ADDITIONAL SAFETY RULES FOR YOUR MITRE SAW

- Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.**
1. Only wood or products such as medium density fibre board can be cut with this saw. Other materials may shatter or cause the blade to grab.
  2. Never fit substandard blades. Only fit correctly size saw blades.
  3. Let the blade reach full speed before commencing the cut.
  4. Do not use damaged or worn blades.
  5. Ensure that the direction arrow marked on the blade corresponds with the rotational



- 5. ALIGNING THE ANGLE INDICATOR (See P)**
- Bring the machine into the transport position.
  - Turn the rotary table until it engages at 0°.

**Checking:**  
The centre line of the angle indicator must be in line with the 0° mark of the rotary table angle scale.

- Adjusting:**
- Loosen the screw (o) using a screwdriver and align the centre line of the angle indicator alongside the 0° mark.
  - Retighten the screw again.

## WORKING HINTS FOR YOUR SLIDING MITRE SAW

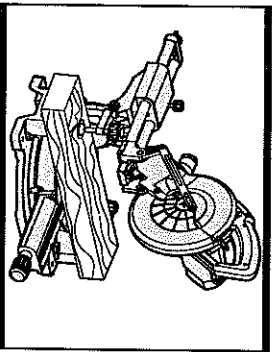
### 1. CUTTING WARPED MATERIAL (See Q1, Q2)

When cutting warped material, always make sure that it is positioned on the mitre table with the convex side against the fence. If the warped material is positioned the wrong way, as shown in Figure Q2, it will pinch the blade near the end of the cut.

To avoid kickback and to avoid serious personal injury **NEVER** position the concave edge of bowed or warped material against the fence.

### 2. CLAMPING WIDE WORK-PIECE (See R)

When cutting wide work-pieces, the boards should always be clamped with a hold-down clamp as shown in Figure R.



R

### 3. BRUSH REPLACEMENT (See S)

There are two replaceable motor brushes which can be easily accessed on either the front or back of the motor housing.

**WARNING:** Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventative safety measures reduce the risk of starting the power tool accidentally.

**ATTENTION: When servicing a tool, ALWAYS use only genuine replacement parts.**

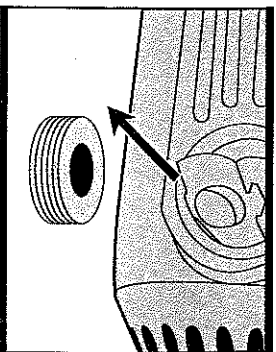
- 1) Locate the plastic motor brush access caps on either the front or back of the motor housing.
- 2) Remove the threaded access cap using a flat head screwdriver and turn in a counter-clockwise rotation to loosen. Do not apply excessive force as this may damage the access plug.
- 3) Remove the old motor brush as shown in Figure S.
- 4) Insert the new motor brush making sure that it is completely inserted into the brush holder.
- 5) Replace the access cap with the flat-head screwdriver turning clockwise to tighten.

## MAINTENANCE

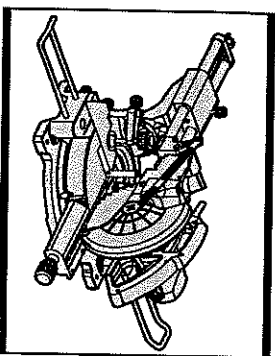
**Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.**

There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. Preventative maintenance performed by unauthorized personnel may result in misplacing of internal wires and components, which could cause a serious hazard. All service that requires opening the saw must only be performed by qualified person.



S



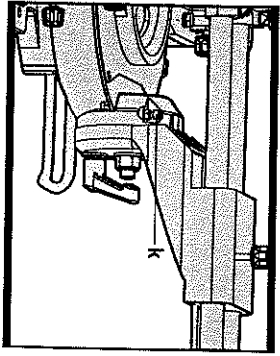
M1

- Checking: (See M1)**
- Set an angle gauge to 90° and place it on the rotary table. The leg of the angle gauge must be flush with the saw blade over the complete length.

**Adjusting: (See M2)**

- Loosen the bevel lock lever.
- Loosen the lock nut of the stop screw (k) using a spanner.
- Screw the stop screw in or out until the leg of the angle gauge is flush with the saw blade over the complete length.
- Retighten the bevel lock lever again.
- Afterwards, retighten the lock nut of the stop screw (k) again.

In case the angle indicator (m) is not in a line with the 0° mark of the rotary table angle scale after the adjustment, loosen the screw using a screwdriver and align the angle indicator along the 0° mark. (See M3)

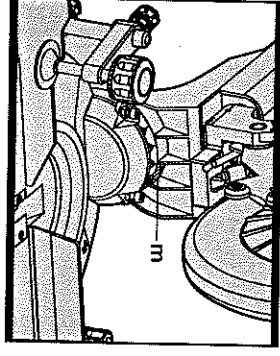


M2

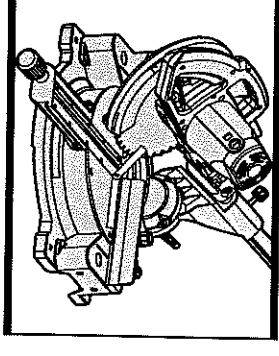
- 3. SETTING THE STANDARD BEVEL ANGLE 45°**
- Bring the power tool into the working position.
  - Turn the rotary table until it engages at 0°.
  - Release the bevel lock lever and tilt the tool arm leftward to the stop (45°) by the handle.

**Checking: (See M1)**

- Set an angle gauge to 45° and place it on the rotary table. The leg of the angle gauge must be flush with the saw blade over the complete length.



M3



M1

**Adjusting: (See M2)**

- Loosen the lock nut of the stop screw (l) using a spanner.
- Screw the stop screw in or out until the leg of the angle gauge is flush with the saw blade over the complete length.
- Retighten the bevel lock lever again.
- Afterwards, retighten the lock nut of the stop screw (l) again.

In case the angle indicator (m) is not in a line with the 45° mark of the rotary table angle scale, firstly check the 0° setting for the bevel angle and the angle indicator again. Then repeat the adjustment of the 45° bevel angle. (See N3)

**4. ALIGNING THE FENCE**

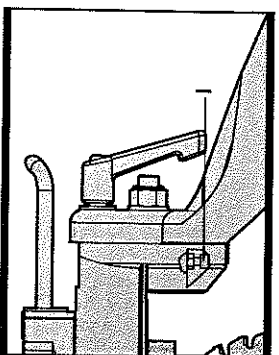
- Bring the machine into the transport position.
- Turn the rotary table until it engages at 0°.

**Checking: (See O1)**

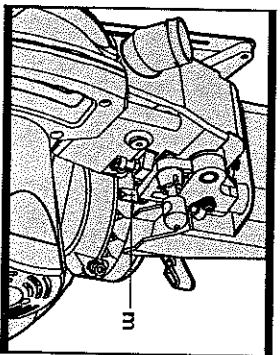
- Set an angle gauge to 90° and place it on the rotary table between the fence and the saw blade. The leg of the angle gauge must be flush with the fence over the complete length.

**Adjusting: (See O2)**

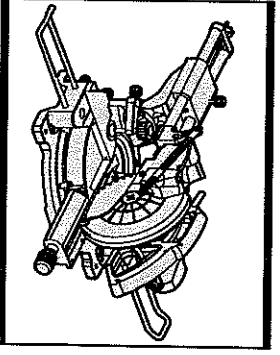
- Loosen all screws (n) with the spanner.
- Turn the fence until the angle gauge is flush over the complete length.
- Retighten the screws again.



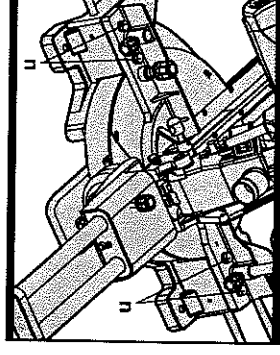
N2



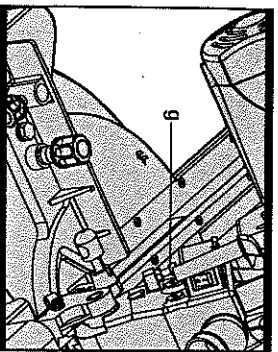
N3



O1



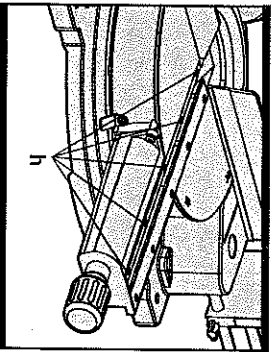
O2



- Saw this and the other workpieces to the same length.

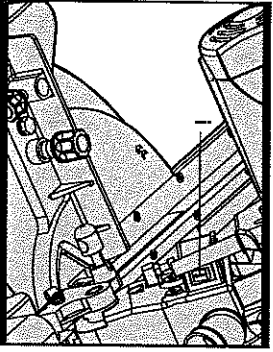
### 5. ADJUSTING THE DEPTH STOP (See I)

- The depth stop must be adjusted when a butt gap is to be sawed.
  - Loosen both lock nuts using a spanner.
  - Screw the depth stop (g) turning in anticlockwise direction.
  - Tilt the tool arm by the handle to the position at which the requested groove depth is reached.
  - Screw the depth stop in clockwise direction until the lock nut against the casing stop.
  - Guide the tool arm slowly upward.
  - Retighten the stop nut first and then the lock nuts.
- Return the depth stop lever to its original position when not in use.**



### 6. REPLACING THE THROAT PLATE (See J)

- The throat plate (13) can become worn after long use of the machine. Replace defective throat plate.
- Bring the power tool into the working position.
  - Unscrew the screws (h) using a screwdriver and remove the old throat plate.
  - Insert a new throat plate.
  - Screw the throat plate so that the saw blade does not come into contact with the throat plate over the complete length of the possible slide motion.
  - Then tighten the screws.



### 7. OPERATION INSTRUCTION OF LASER GUIDE (See K1, K2)

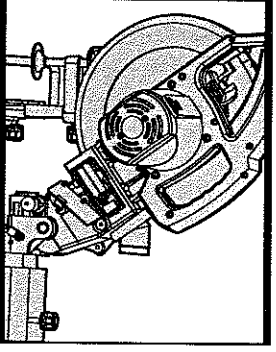
The laser guide (9) equipped with this machine is for the purpose of precision cutting. Make sure the batteries are fitted in the laser guide before carrying out precision cutting. To fit the batteries, remove the battery storage cover, insert 2 x 1.5V AAA batteries, then replace cover.

Note: Ensure correct battery polarity. To use the laser guide, simply press the laser on/off switch (I) at the "On" position, the laser guide then projects a visible red line on the workpiece surface, make your cut along the red line.

**NOTE:** The sawdust may "block" the laser beam, clean the laser generator periodically.



**WARNING:** Never stare directly into the laser beam and never point the beam at anybody.



**DANGER:** Laser radiation. Avoid direct eye contact with light source.

## CHECKING AND ADJUSTING THE BASIC ADJUSTMENT

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

To ensure precise cuts, the basic adjustment of the machine must be checked and adjusted as necessary after intensive use.

A certain level of experience and appropriate speciality tools are required for this.

### 1. ADJUSTING THE LASER CUTTING GUIDE (See L)

The laser generator has been factory calibrated. It requires re-calibration only when the laser beam deviates from the cut line.

**WARNING: Keep your hands/fingers out of cutting blade area. Never switch on the mitre saw when adjusting the laser generator and holder.**

To correct the laser beam error, follow the steps below:

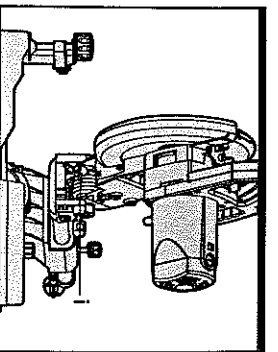
1. Turn the laser On/Off switch to the "On" position marked.
2. The beam that is projected should be parallel with the partial cut in the piece of scrap wood.
3. If it is not parallel with the partial cut loosen the laser generator retaining screw (I) and rotate the laser generator until the beam is parallel with the partial cut. (See L)
4. Retighten the laser generator retaining screw.

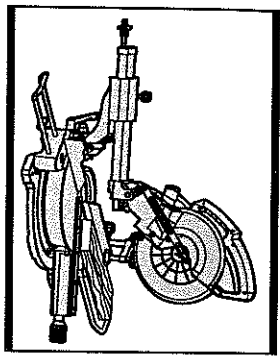
**WARNING: Before making any adjustment, maintenance to the saw, make sure that it is disconnected from mains supply.**

**When all the adjustments, settings or maintenance have been done, make sure that all keys and wrenches have been removed and that all screws, bolts and other fittings are securely tightened.**

### 2. SETTING THE STANDARD BEVEL ANGLE 0°

- Bring the machine into the transport position.
- Turn the rotary table until it engages at 0°.





F1

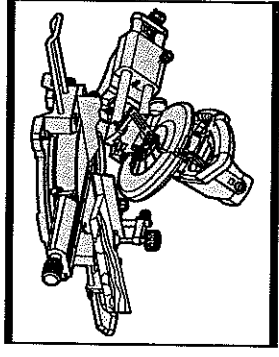
**Adjusting horizontal mitre angles (See F1)**  
 The horizontal mitre angle can be set in the range from 45° (left side) to 45° (right side).  
 - Loosen the rotary table locking knob (10) in case it is tightened.  
 - Turn the rotary table (12) left or right by the rotary table handle until the angle indicator indicates the requested mitre angle.  
 - Tighten the rotary table locking knob (10) again.

**For quick and precise setting of often used mitre angles, the rotary table engages at the detents of the following standard angles:**

Left	Right
0°	
15°, 22,5°, 30°, 45°	15°, 22,5°, 30°, 45°

**Adjusting vertical bevel angles (See F2, F3)**

The vertical bevel angle can be set in the range from 0° to 45° on the left.  
 - Loosen the bevel lock lever.  
 - Tilt the tool arm by the handle (20) until the angle indicator indicates the desired bevel angle.  
 - Hold the tool arm in this position and retighten the bevel lock lever.  
**For quick and precise setting of the standard angles 0° and 45° factory-set stop screws are provided.**  
 - For this, tilt the tool arm by the handle (20) to the stop toward the right (0°) or to the stop toward the left (45°).

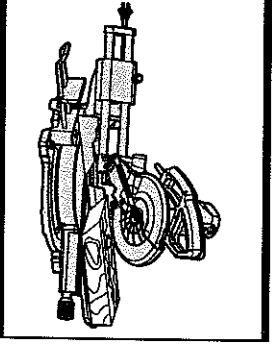


F2

F3

**Compound mitre cutting (See F4)**

A compound mitre cut is a cut made using a mitre angle and a bevel angle at the same time. This type of cut is used for moldings, picture frames, and boxes with sloping sides.  
 To make this type of cut the rotary table handle on the rotary table must be rotated to the correct angle and the saw arm must be tilted to the correct bevel angle.  
**ALWAYS** take special care when making compound mitre setups due to the interaction of the two angle settings.



F4

**STARTING OPERATION**

**1. TRIGGER SWITCH (See G)**  
 To turn on the saw, squeeze the trigger switch. Release it to shut off.

**2. SAWING WITHOUT SLIDE MOVEMENT (See H)**

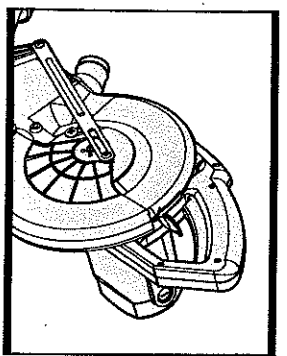
- For cuts without slide movement (small workpieces), tighten the locking screw (2) in case it is loosened. Slide the tool arm to the stop in the direction of the fence (11) and retighten the locking screw (2).  
 - Firmly clamp the workpiece as appropriate for its dimensions.  
 - Set the desired mitre angle.  
 - Switch on the machine.  
 - Press safety release lever and guide the tool arm slowly downward with handle.  
 - Saw through the workpiece applying uniform feed.  
 - Switch off the machine and wait until the saw blade has come to a complete stop.  
 - Guide the tool arm slowly upward.

**3. SAWING WITH SLIDE MOVEMENT**

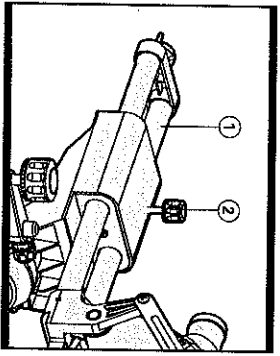
- For cuts using the slide rod (1) (wide workpieces), loosen the locking screw (2) in case it is tightened.  
 - Firmly clamp the workpiece as appropriate for its dimensions.  
 - Set the desired mitre angle.  
 - Pull the tool arm away from the fence far enough so that the saw blade is in front of the workpiece.  
 - Switch on the machine.  
 - Press safety release lever and guide the tool arm slowly downward with handle.  
 - Press the tool arm in the direction of the fence and saw through the workpiece applying uniform feed.  
 - Switch off the machine and wait until the saw blade has come to a complete stop.  
 - Guide the tool arm slowly upward.

**4. SAWING WORKPIECES OF THE SAME LENGTH**

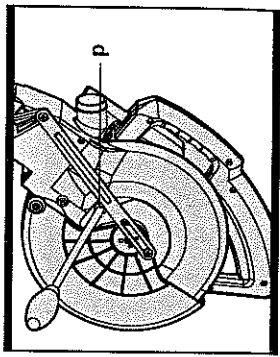
The stop block (27) can be used for easily sawing workpieces to the same length.  
 - Loosen wing nut (a) and position the stop block to the requested distance to the saw blade. (See A2)  
 - Tighten the wing nut again.  
 - Position the workpiece against the stop block. Check again with the cutting line marked by the laser if the stop block is positioned correctly.



G



H



C1

**3. TO REPLACE SAW BLADE (See C1 - C3)**  
 Disconnect the saw from the power supply.  
 Remove the screw (d) on lower left of guard mounting plate. Then swing the lower safety guard to the rear, press the spindle lock button (e), rotate the blade until it is locked. Then loosen and remove the blade securing bolt (f), and outer flange with the blade spanner provided in clockwise direction.  
 Remove the blade. (We recommend the use of a stout glove for this). Clean any saw dust and debris from the arbor and saw blade securing flanges.

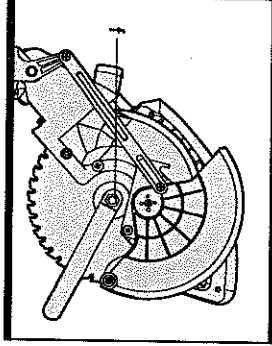
**MOUNTING THE SAW BLADE**

If required, clean all parts to be mounted prior to assembly.

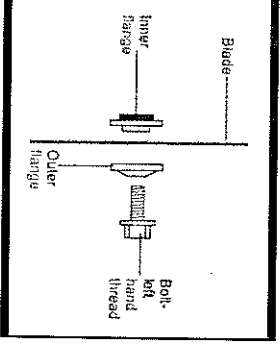
**When mounting the saw blade, pay attention that the cutting direction of the teeth (arrow direction on the saw blade) corresponds with the direction of the arrow on the blade guard!**  
 To refit the blade, follow the above procedure in reverse order. If you take the inner flange off to clean it, re-fit it as shown in Fig. C4.

Tighten the blade securing bolt, and outer flange with the spanner in counterclockwise direction.

**WARNING:** A 254mm blade is the maximum blade capacity of your saw. A larger than 254mm blade will come in contact with the blade guards. Also, never use a blade that is so thick that it prevents the outer blade washer from engaging with the flat side of the spindle. Blades that are too large or too thick can result in an accident causing serious personal injury.



C2



C4

**4. MOUNTING HOLES (See D)**

Your mitre saw should be permanently mounted to a firm, stable-supporting surface, such as a workbench. Four bolt holes have been provided in the saw base for this purpose. Each of these four mounting holes should be securely bolted using  $\phi 10$  mm machine bolts, lock washers and hex nuts. Bolts should be long enough to fit through the saw base, lock washers, hex nuts and the thickness of the workbench.  
 Tighten all four bolts securely. Carefully check the workbench after mounting the saw to make sure that no movement can occur during use. If any tipping, sliding or walking is noted, secure the workbench to the floor before operating.

**WARNING:** Always make sure your mitre saw is securely mounted to a workbench or an approved work-stand. Failure to do so could result in an accident, resulting in possible serious personal injury.

**OPERATION**

**1. TRANSPORT SAFETY (See E1, E2)**

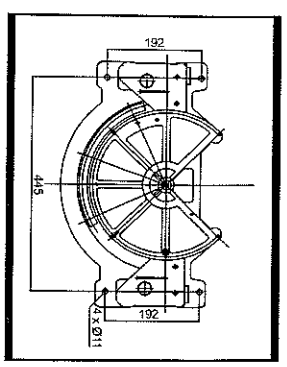
Your mitre saw has a built-in carrying handle on the top of the saw arm for easy, convenient transporting from one job site to another.  
 - When transporting the saw, make sure that the saw head is locked in the lower position.  
 - The rotary table handle, the bevel lock lever and the locking screw of slide rod, must all be securely tightened.  
 - Use the carry handle to lift the saw. Do not lift the saw by the switch handle.

**2. WORK CLAMP (19)**

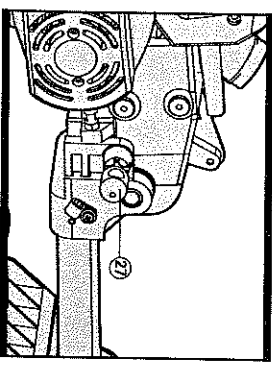
- The work clamp can be fitted on either side of the saw and is fully adjustable to suit the size of the workpiece.  
 - Do not operate the saw without clamping the workpiece.  
 - Make sure that the work clamp securing screw (18) is tightened.

**3. ADJUSTING THE CUTTING ANGLE**

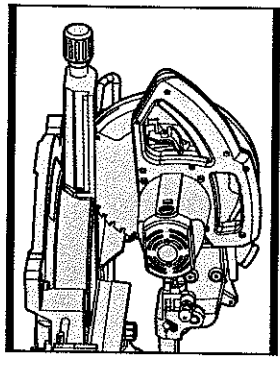
To ensure precise cuts, the basic adjustment of the machine must be checked and adjusted as necessary after intensive use.  
 Always tighten the rotary table locking knob (10) firmly before sawing. Otherwise the saw blade can become wedged in the workpiece.



D




E1





E2

# TECHNICAL DATA

Rated voltage:	230-240 V-50 Hz
Rated input:	1800 W
Rated no load speed:	4500 /min
Blade size:	254 mm
Blade bore:	16 mm
Cutting capacity:	
Mitre 0°/bevel 0°:	305 x 90 mm
Mitre 0°/bevel 45°:	305 x 42 mm
Mitre 45°/bevel 0°:	215 x 90 mm
Mitre 45°/bevel 45°:	215 x 42 mm
Mitre capacity:	0-45° L & R
Double insulation:	 / II
Machine weight:	19 kg

# NOISE AND VIBRATION DATA


A weighted sound pressure	96 dB(A)
A weighted sound power	109 dB(A)
Wear ear protection when sound pressure is over	85dB(A) 
Typical weighted vibration	2.206 m/s <sup>2</sup> 

# ACCESSORIES


- Use blade with the following specification: **254 mm x 16 mm x 2.8 mm**
- Dust bag **1**
  - Blade spanner **1**
  - Work clamp **1**
  - Extension rail **1**
  - 2**

We recommend that you purchase your accessories from the same store that sold you the tool. Use good quality accessories marked with a well-known brand name. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

# OPERATING INSTRUCTIONS

 **NOTE:** Before using the tool, read the instruction book carefully.

## ASSEMBLY

 **WARNING:** To prevent the accidental starting that could cause possible serious personal injury, **ALWAYS** assemble all parts to your saw **BEFORE** connecting it to the power supply. The saw should **NEVER** be connected to a power supply when you are assembling parts, making adjustments, installing or removing blades, or when not in use.

### 1. MOUNTING THE STOP BLOCK AND THE TABLE EXTENSION RAIL (See A1 - A3)

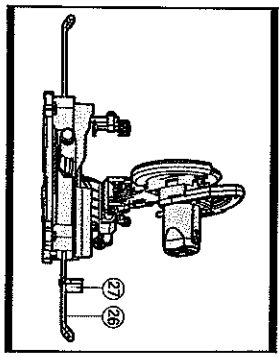
The table extension rail (26) and the stop block (27) can be positioned left or right from the machine.  
 — Mount the stop block to the requested table extension rail and tighten the corresponding wing nut (a).

#### Mounting the table extension rail

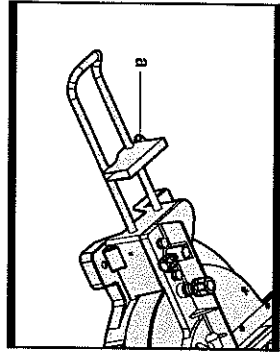
- For mounting, use the table extension rail fastening kit (b). (2 U-profiles with screws)
- Tilt the power tool in such a manner that the table extension rail can be affixed to the bottom side of the saw-table casing.
  - Insert an table extension rail through the drill holes, the U-profile to the stop.
  - Tighten the screw (c) of the U-profile to secure the table extension rail.
  - Repeat the work steps for the second table extension rail on the other side.

### 2. FITTING THE DUST BAG (See B)

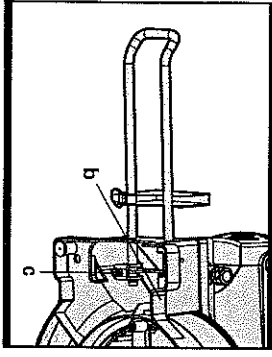
Mount the dust bag onto the dust extraction port. During sawing, the dust bag must never come into contact with the movable machine parts. Always empty the dust bag in good time.



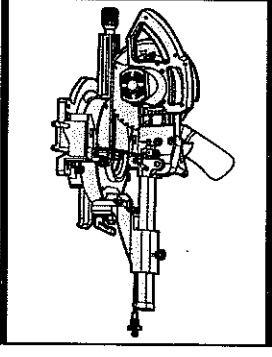
A1



A2

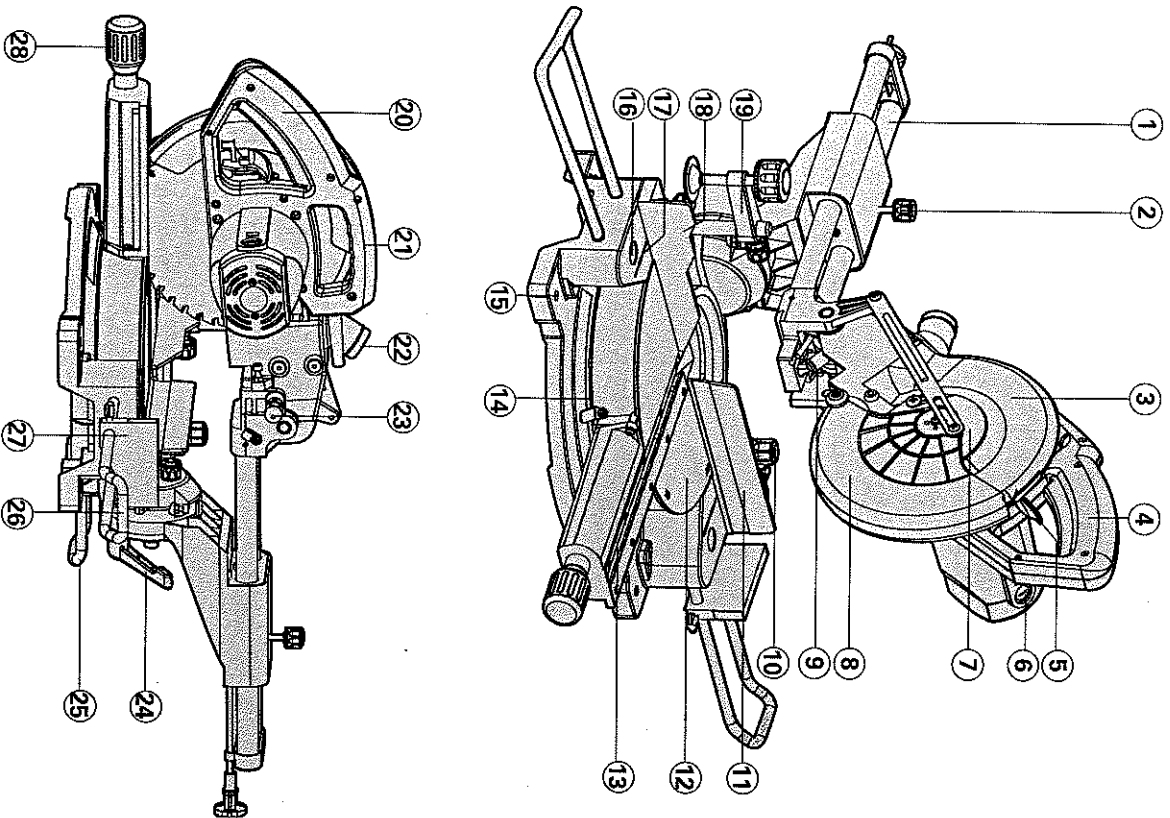


A3



B





1. SLIDE ROD
2. LOCKING SCREW
3. UPPER BLADE GUARD
4. TRIGGER SWITCH
5. SAFETY RELEASE LEVER
6. CARBON BRUSH COVER
7. SAFETY GUARD MOUNTING PLATE
8. LOWER BLADE GUARD
9. LASER GUIDE
10. ROTARY TABLE LOCKING KNOB
11. FENCE
12. ROTARY TABLE
13. THROAT PLATE
14. ROTARY TABLE ANGLE SCALE
15. MOUNTING HOLE
16. "NO HANDS ZONE" SYMBOL
17. "NO HANDS ZONE" BOUNDARY LINE
18. WORK CLAMP SECURING SCREW
19. WORK CLAMP \*
20. HANDLE
21. CARRY HANDLE
22. DUST EXTRACTION PORT
23. LOCK PIN
24. BEVEL LOCK LEVER
25. SUPPORT STAND
26. TABLE EXTENSION RAIL \*
27. TABLE EXTENSION RAIL STOP BLOCK
28. ROTARY TABLE HANDLE

\* Not all the accessories illustrated or described are included in standard delivery.

direction of motor.  
6. Ensure the movable guard operate freely with out any jamming.

7. Never cut pieces too small to be held securely against the straight guide leave enough space for the hand to be a safe distance from the blade.

8. Regularly check the blade-securing bolt.  
9. Do not run the machine with any part of the casing missing or damaged.

10. Do not start the saw when the blade is inserted into the workpiece.

11. Before cutting let the saw blade run freely for a few seconds. If it makes an unfamiliar sound or vibration switch it off immediately and disconnect from the power supply.

12. Never try to cut freehand. Always ensure that the workpiece is securely pressed against the straight guide and blade support surface.

13. Do not forget to remove any adjustment keys, spanner and wrenches before switching on the tool.

14. When the machine is operating, keep hands away from the cutting area.

15. Always ensure the safety guard is in working order before use. Should the guard not close quickly over the saw blade, do not use.

16. Do not tie or wedge open the safety guard.

17. Only use blades with the correct bore size for the spindle.

18. Do not cut into screw or nails. Inspect workpiece for nails and screws before use.

19. Keep the power cord well away from the cutting area during use. Always position the cord so that it will not be caught in the workpiece when the saw is in use.

normally present an optical hazard although staring at the beam may cause flash blindness.

Do not stare directly at the laser beam. A hazard may exist if you deliberately stare into the beam, please observe all safety rules as follows:

1. The laser shall be used and maintained in accordance with the manufacturer's instructions.

2. Never aim the beam at any person or an object other than the work piece.

3. The laser beam shall not be deliberately aimed at another person and shall be prevented from being directed towards the eye of a person for longer than 0.25 seconds area.

4. Always ensure the laser beam is aimed at a sturdy work piece without reflective surfaces, e.g. wood or rough-coated surfaces are acceptable. Bright shiny reflective sheet steel or similar is not suitable for laser applications as the reflective surface may direct the laser beam back at the operator.

5. Do not change the laser device with a different type. The manufacturer or an authorized agent must carry out repairs.

6. **CAUTION:** Use of controls or adjustments other than those specified herein may result in hazardous radiation exposure.



**WARNING:  
LASER RADIATION  
DO NOT STARE INTO BEAM**

Wave length 650nm

Power max. <1 Msr

IEC60825-1

**CLASS 2 LASER PRODUCT**

## SYMBOLS



Read the manual



Warning



Wear eye protection



Double insulation



Wear ear protection



Wear dust mask



RCM approval mark  
5112

## SAFETY POINTS FOR YOUR LASER

The laser device fitted to this tool is CLASS 2 with a maximum radiation of 1mW and 650nm wavelength. These lasers do not