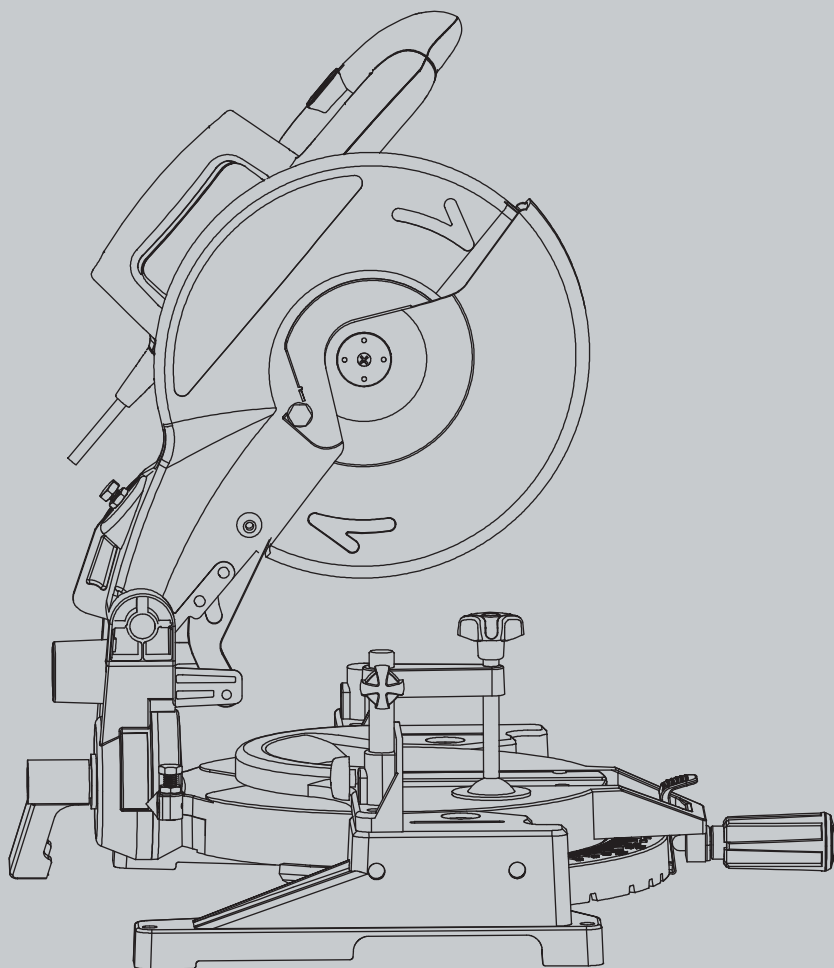


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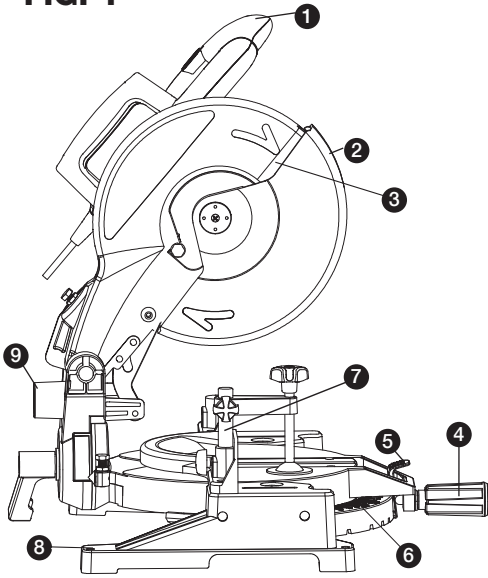


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**FIG. 1**



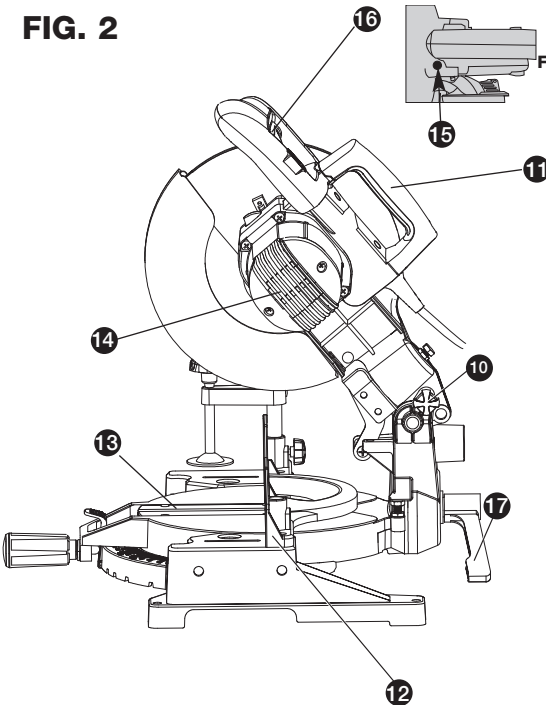
**Parts Description (Fig.1)**

- FIG. 1**
1. Operating Handle
  2. Guard
  3. Saw Blade
  4. Miter Clamp Handle
  5. Miter Latch
  6. Miter Scale
  7. Left Side Fence
  8. Bench Mounting Hole
  9. Dust Spout

**零件描述 (圖 1)**

- 圖 1**
1. 操作手柄
  2. 防護罩
  3. 鋸片
  4. 斜接夾具手柄
  5. 斜接門鎖
  6. 斜接刻度尺
  7. 左側擋板
  8. 工作台安裝孔
  9. 噴塵口

**FIG. 2**



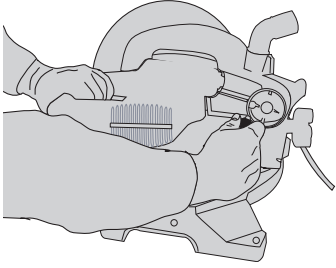
**Parts Description (Fig. 2 )**

- IG. 2**
10. Lock Down Pin
  11. Hand Indentation
  12. Right Side Fence
  13. Kerf Plate
  14. Motor Housing
  15. Spindle Lock Button
  16. Trigger Switch
  17. Bevel Clamp Knob

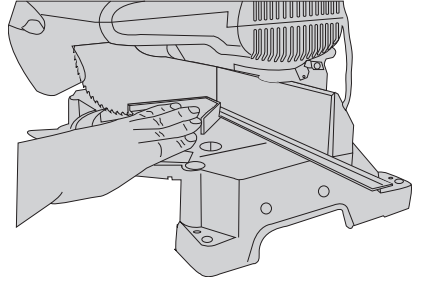
**零件描述 (圖 2)**

- 圖 2**
10. 鎖定銷
  11. 手柄凹槽
  12. 右側擋板
  13. 鋸縫平台
  14. 電機外殼
  15. 心軸鎖按鈕
  16. 觸發開關
  17. 斜角夾具旋鈕

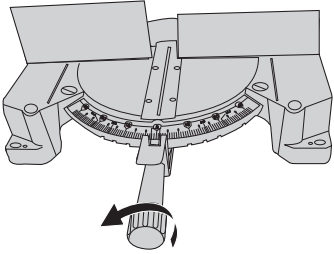
**FIG. 3**



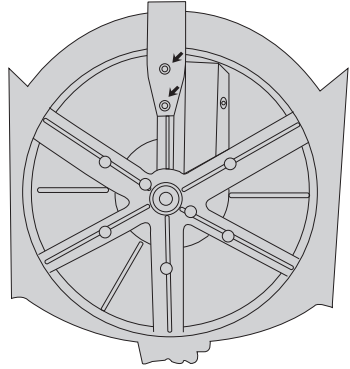
**FIG. 4**



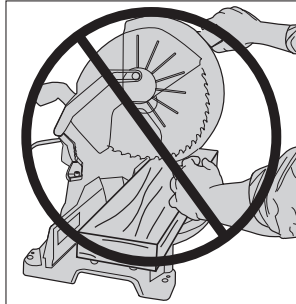
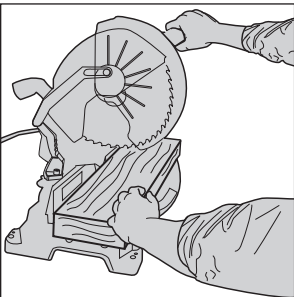
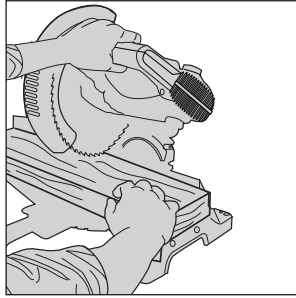
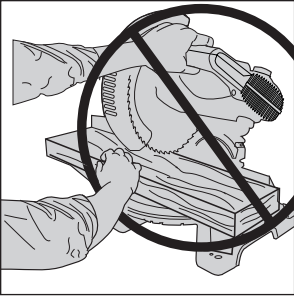
**FIG. 5**



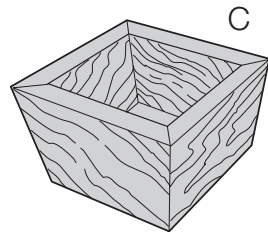
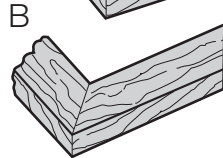
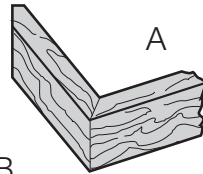
**FIG. 6**



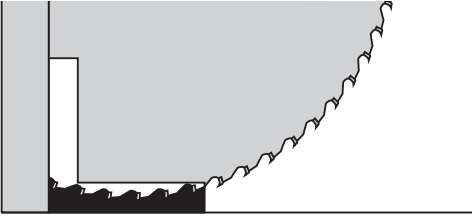
**FIG. 7**



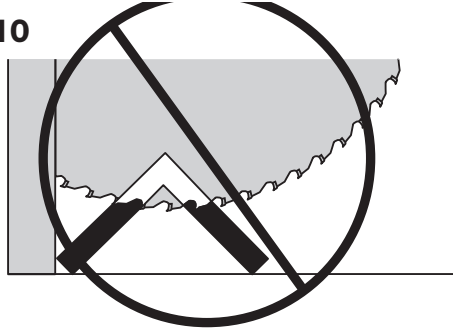
**FIG. 8**



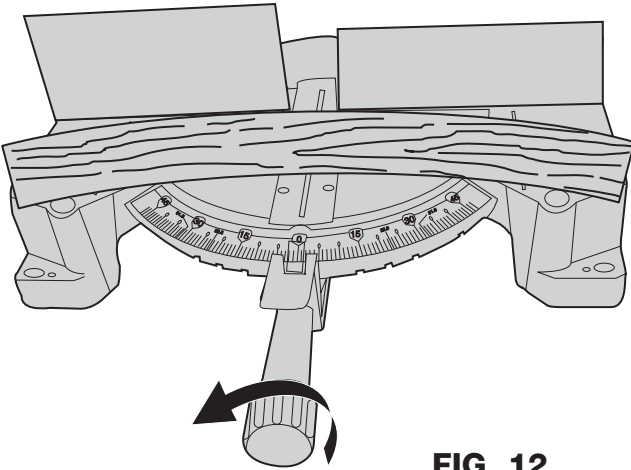
**FIG. 9**



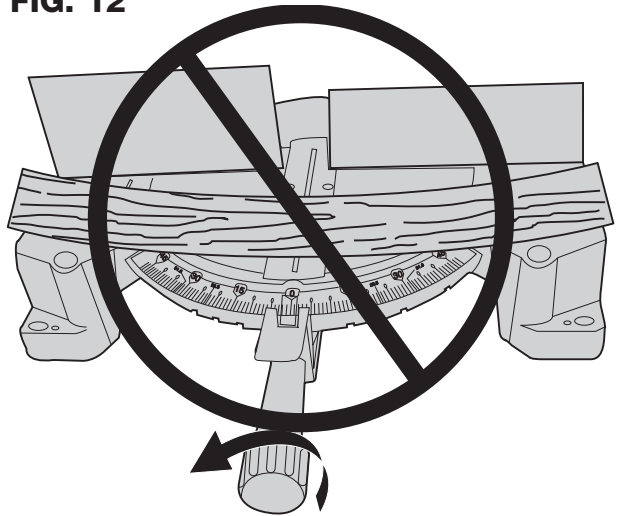
**FIG. 10**



**FIG. 11**



**FIG. 12**





**STEL721**  
**254mm Mitre Saw**

**TECHNICAL DATA**

SPECIFICATION		STEL721
POWER	W	1500
NO-LOAD SPEED	/min	5500
MAX. DIAMETER	mm	140x70
Weight	KG	12.5

**KEY INFORMATION YOU SHOULD KNOW:**

- Cut only with sharp blades. Dull blades cut poorly and overload the motor.
- If the saw does not cut accurately, refer to the TROUBLE SHOOTING chart in this manual.



**Important Safety Instructions**

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

**READ ALL INSTRUCTIONS**



**Safety Warnings: Double Insulation**

Double insulated tools are constructed through-out with two separate layers of electrical insulation or one double thickness of insulation between you and the tool's electrical system.

Tools built with this insulation system are not intended to be grounded. As a result, your tool is equipped with a two prong plug which permits you to use extension cords without concern for maintaining a ground connection.

**NOTE:** Double insulation does not take the place of normal safety precautions when operating this tool. The insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

**Replacement parts:** When servicing all tools, **USE IDENTICAL REPLACEMENT PARTS.** Repair or replace damaged cords.



**Safety Instructions: Polarized Plugs**

To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.



**Safety Instructions For All Tools**

- **KEEP GUARDS IN PLACE** and in working order.
- **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from spindle before turning tool on.
- **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
- **DON'T USE IN DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
- **KEEP CHILDREN AWAY.** All visitors should be kept at a safe distance from work area.
- **MAKE WORKSHOP KID PROOF** with padlocks, master switches, or by removing starter keys.
- **DON'T FORCE TOOL.** It will do the job better and be safer at the rate for which it was designed.
- **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.
- **WEAR PROPER APPAREL.** No loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
- **ALWAYS WEAR SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses have only impact resistant lenses, they are NOT safety glasses.
- **SECURE WORK.** Use clamps or vise when you cannot secure the workpiece on the table and against the fence by hand or when your hand will be dangerously close to the blade (within 6").

- **DON'T OVERREACH.** Keep proper footing and balance at all times.
- **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- **DISCONNECT TOOLS** before servicing; when changing accessories, such as blades, bits, cutters, and the like.
- **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in OFF position before plugging in.
- **USE RECOMMENDED ACCESSORIES.** Consult the instruction manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
- **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
- **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged 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. Do not use tool if switch does not turn it on and off.
- **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.
- **DO NOT OPERATE ELECTRIC TOOLS NEAR FLAMMABLE LIQUIDS OR IN GASEOUS OR EXPLOSIVE ATMOSPHERES.** Motors in these tools may spark and ignite fumes.
- **USE PROPER EXTENSION CORDS.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

Conductor size (mm <sup>2</sup> )		Cable rating (Amperes)					
0.75		6					
1.00		10					
1.50		15					
2.50		20					
4.00		25					
Cable length (m)							
		7.5	15	25	30	45	60
Voltage	Amperes	Cable rating (Amperes)					
115	0 - 2.0	6	6	6	6	6	10
	2.1 - 3.4	6	6	6	6	15	15
	3.5 - 5.0	6	6	10	15	20	20
	5.1 - 7.0	10	10	15	20	20	25
	7.1 - 12.0	15	15	20	25	25	-
	12.1 - 20.0	20	20	25	-	-	-
230	0 - 2.0	6	6	6	6	6	6
	2.1 - 3.4	6	6	6	6	6	6
	3.5 - 5.0	6	6	6	6	10	15
	5.1 - 7.0	10	10	10	10	15	15
	7.1 - 12.0	15	15	15	15	20	20
	12.1 - 20.0	20	20	20	20	25	-

#### Additional Safety Rules For Mitre Saws



**CAUTION:** FAILURE TO HEED THESE WARNINGS MAY RESULT IN PERSONAL INJURY AND SERIOUS DAMAGE TO THE SAW.

- DO-Protect electric supply line with at least a 15 ampere time-delay fuse or a circuit breaker.
- DO-Make certain the blade rotates in the correct direction and that the teeth at the bottom of the blade are pointing to the rear of the mitre saw.
- DO-Be sure all clamp handles are tight before starting any operation.
- DO-Be sure all blade and clamp washers are clean and recessed sides of collars are against blade. Tighten arbor screw securely.
- DO-Keep saw blade sharp.
- DO-Keep motor air slots free of chips and dirt.
- DO-Use blade guards at all times.
- DO-Keep hands out of path of saw blade.
- DO-Shut off power, disconnect cord from power source and wait for saw blade to stop before servicing or adjusting tool.
- DO-Support long work with an outboard tool rest.
- DO-Use only 10 inch diameter blades.
- DON'T-Attempt to operate on anything but designated voltage.
- DON'T-Operate unless all clamp handles are tight.

- DON'T-Use blades larger or smaller than those which are recommended.
- DON'T-Wedge anything against fan to hold motor shaft.
- DON'T-Force cutting action. (Stalling or partial stalling of motor can cause major damage. Allow motor to reach full speed before cutting.)
- DON'T-Cut ferrous metals (Those with any iron or steel content) or any masonry.
- DON'T-Use abrasive wheels. The excessive heat and abrasive particles generated by them will damage saw.
- DON'T-Allow anyone to stand behind saw.
- DON'T-Apply lubricants to the blade when it's running.
- DON'T-Place either hand in the blade area when the saw is connected to the power source.
- DON'T-Use blades rated less than 5500 R.P.M.
- DON'T-Attempt to cut small pieces (hand within 6" of blade) without clamping.
- DON'T-Operate saw without guards in place.
- DON'T-Perform any operation freehand.
- DON'T-Reach around or behind saw blade.
- DON'T-Place hands closer than 6 inches from the saw blade.
- DON'T-Reach underneath the saw unless it is turned off and unplugged. The saw blade is exposed on the underside of the saw.
- DON'T-Move either hand from saw or work-piece or raise arm until blade has stopped.
- DON'T-Use without Kerf Plate or when kerf slot is wider than 3/8"
- DON'T- Carry saw by work extension or other accessory.



**CAUTION:** Some wood contains preservatives such as copper chromium arsenate (CCA) which can be toxic. When cutting these materials extra care should be taken to avoid inhalation and minimize skin contact.



**CAUTION:** Use of this tool can generate dust containing chemicals known to cause cancer, birth defects or other reproductive harm. Use appropriate respiratory protection.



**CAUTION:** Do not connect unit to electrical power source until complete instructions are read and understood.

**For your convenience and safety, the following warning labels are on your mitre saw.**

#### **ON MOTOR HOUSING:**

**WARNING:** FOR YOUR OWN SAFETY, READ INSTRUCTION MANUAL BEFORE OPERATING SAW. WHEN SERVICING, USE ONLY IDENTICAL REPLACEMENT PARTS. ALWAYS WEAR EYE PROTECTION.

#### **ON FENCE:**

CLAMP SMALL PIECES BEFORE CUTTING. SEE MANUAL.

#### **ON GUARD:**

**DANGER** – KEEP AWAY FROM BLADE.

**ON GUARD RETAINER PLATE:** "PROPERLY SECURE BRACKET WITH BOTH SCREWS BEFORE USE."

#### **ON TABLE:** (2 PLACES)



ALWAYS TIGHTEN ADJUSTMENT KNOBS BEFORE USE. KEEP HANDS 6" FROM PATH OF SAW BLADE. NEVER PERFORM ANY OPERATION FREEHAND. NEVER CROSS ARMS IN FRONT OF BLADE. THINK! YOU CAN PREVENT ACCIDENTS. DO NOT OPERATE SAW WITHOUT GUARDS IN PLACE. NEVER REACH IN BACK OF SAW BLADE. ALWAYS WEAR EYE PROTECTION. SHUT OFF POWER AND WAIT FOR BLADE TO STOP BEFORE SERVICING, ADJUSTING TOOL, OR MOVING HANDS.

#### **Electrical Connection**

Be sure your power supply agrees with the nameplate marking. A voltage decrease of 10 percent or more will cause a loss of power and overheating. All B&D tools are factory tested. If this tool does not operate, check the power supply.

## Familiarization

Place the saw on a smooth, flat surface such as a workbench or strong table. Examine **Figures 1 & 2** and refer to the parts description to become familiar with the saw and its various parts. The following section on adjustments will refer to these terms and you must know what and where the parts are. The part name is followed by the corresponding part number Example - lock down pin **(10)**. Press down lightly on the operating handle and pull out the lock down pin **(10)**, as shown in **Figure 3**. Gently release the downward pressure and allow the arm to rise to its full height. Use the lock down pin when carrying the saw from one place to another. Use the operating handle **(1)** to transport the saw or the hand indentations **(11)** shown in **Figure 2** after unplugging.

## Specifications

### Capacity of cut

47° mitre left and right

47° bevel left

0° mitre -Max. Height 3-1/2" -Max. Width 5-1/2"

45° mitre -Max. Height 3-1/2" -Max. Width 4-1/8"

45° bevel -Max. Height 2-1/2" -Max. Width 5-1/2"

### Bench Mounting

Bench mounting holes **(8)** are provided in all four feet to facilitate bench mounting, as shown in **Figure 1**. (Two different sized holes are provided to accommodate different sizes of screws. Use either hole, it is not necessary to use both.) Always mount your saw firmly to prevent movement. To enhance the tool's portability, it can be mounted to a piece of 1/2" or thicker plywood which can then be clamped to your work support or moved to other job sites and reclaimed.

**NOTE:** If you elect to mount your saw to a piece of plywood, make sure that the mounting screws don't protrude from the bottom of the wood. The plywood must sit flush on the work support. When clamping the saw to any work surface, clamp only on the clamping bosses where the mounting screw holes are located. Clamping at any other point will interfere with the proper operation of the saw.



**CAUTION:** To prevent binding and inaccuracy, be sure the mounting surface is not warped or otherwise uneven. If the saw rocks on the surface, place a thin piece of material under one saw foot until the saw sits firmly on the mounting surface.

## Installing a New Saw Blade

(UNPLUG THE MITRE SAW)

DO NOT USE FERROUS METAL or masonry cutting blades in this saw

- Loosen hex bolt on center cover counter clockwise with box wrench.
- Lift up the safe cover and center cover.
- Press down the lock to lock spindle.
- Loosen hex bolt clockwise with box wrench, then dismount the bolt and flange.
- Mount the blade of saw on spindle. Make sure that the arrow direction on surface of saw blade is same as one of the cover.

**Note:** There are two different internal diameters of cutter in inner plate which have steel stamp marked 25.4mm 16mm. When mounting, the outer diameter of inner plate must be correspondent with the internal diameter of saw blade.

- Mount flange and hex bolt.
- Press axle lock and tighten hex bolt counter clockwise with box wrench firmly, then tighten hex bolt clockwise to fix centre cover.

**Note:** Only use attached wrench when mounting or dismounting saw blade. When dismounting saw blade, lift up safe cover and centre cover. Loosen hex bolt with box wrench and disassemble hex bolt, flange and saw blade.

NEVER DEPRESS THE SPINDLE LOCK PIN WHILE THE BLADE IS ROTATING.

- Be sure to hold the guard bracket down and firmly tighten the guard bracket screw when you finish installing the saw blade. Failure to do so will cause serious damage to the saw.

## Assembling and Adjusting Your Saw

PERFORM ALL ASSEMBLY WITH SAW UNPLUGGED.

### Attach Mitre Clamp Handle

Remove the mitre clamp handle **(4)** from the plastic parts bag and carefully thread it into the bracket in the front of the saw.

### **Attaching Dust Bag**

A zippered cloth dust bag is included with your saw. To attach the bag, fit the plastic opening firmly over the dust spout (9).

**NOTE:** The saw can also be used with a vacuum cleaner hose attached to the dust spout or without any attachment.

### **Adjustments**

PERFORM ALL ADJUSTMENTS WITH THE MITRE SAW UNPLUGGED

**NOTE:** Your mitre saw is fully and accurately adjusted at the factory at the time of manufacture. If readjustment due to shipping and handling or any other reason is required, follow the steps below to adjust your saw.

#### **Mitre Scale Adjustment**

Place a square against the saw's fence and blade, as shown in **Figure 4**. (Do not touch the tips of the blade teeth with the square. To do so will cause an inaccurate measurement.) Loosen the mitre clamp handle (4) as shown in **Figure 5** and swing the mitre arm until the mitre latch (5) locks it at the 0 mitre position. Do not tighten the clamp handle. If the saw blade is not exactly perpendicular to the fence, loosen the two screws that hold the handle to the base (shown in **Figure 6**) and move the arm of the saw left or right until the blade is perpendicular to the fence, as measured with the square. Retighten the two screws. Pay no attention to the reading of the mitre pointer at this point.

#### **Guard Actuation and Visibility**

The blade guard on your saw has been designed to automatically raise when the arm is brought down and to lower over the blade when the arm is raised. The guard can be raised by hand when installing or removing saw blades or for inspection of the saw. NEVER RAISE THE BLADE GUARD MANUALLY UNLESS THE SAW IS TURNED OFF.

**NOTE:** Certain special cuts will require that you manually raise the guard. To do this, simply place your right thumb on the upper side of the guard and roll the guard up just enough to clear the workpiece. Never tie up or otherwise prevent the guard from operating normally.

## **OPERATION**

Plug the saw into any power source. Refer to the nameplate for voltage. Be sure the cord will not interfere with your work.

### **Switch**

To turn the saw on, depress the trigger switch (16). To turn the tool off, release the switch. There is no provision for locking the switch on.

#### **Body and Hand Position (See figure 7)**

Proper positioning of your body and hands when operating the mitre saw will make cutting easier, more accurate and safer. Never place hands near cutting area. Place hands no closer than 6" from the blade. Hold the workpiece tightly to the table and the fence when cutting. Keep hands in position until the trigger has been released and the blade has completely stopped. ALWAYS MAKE DRY RUNS (UNPOWERED) BEFORE FINISH CUTS SO THAT YOU CAN CHECK THE PATH OF THE BLADE. DO NOT CROSS HANDS, AS SHOWN IN **FIGURE 7**.

#### **Cutting With Your Saw**

**NOTE:** Although this saw will cut wood and many non-ferrous materials, we will limit our discussion to the cutting of wood only. The same guidelines apply to the other materials. DO NOT CUT FERROUS (IRON AND STEEL) MATERIALS OR MASONRY WITH THIS SAW. Do not use any abrasive blades.

#### **Crosscuts**

**NOTE:** Cutting of multiple pieces is not recommended, but can be done safely by ensuring that each piece is held firmly against the table and fence.

A crosscut is made by cutting wood across the grain at any angle. A straight crosscut is made with the mitre arm at the zero degree position. Set the mitre arm at zero, hold the wood on the table and firmly against the fence. Turn on the saw by squeezing the trigger switch. When the saw comes up to speed (about 1 second) lower the arm smoothly and slowly to cut through the wood. Let the blade come to a full stop before raising arm.

Mitre crosscuts are made with the mitre arm at some angle other than zero. This angle is often 45 degrees for making corners, but can be set anywhere from zero to 47 degrees left or right. After selecting the desired mitre angle, be sure to tighten the mitre clamp handle (4). Make the cut as described above.

#### **Bevel Cuts**

A bevel cut is a crosscut made with the saw blade at a bevel to the wood. In order to set the bevel, loosen the bevel clamp knob (17) and move the saw to the left as

desired. Once the desired bevel angle has been set, tighten the bevel clamp knob firmly.

Bevel angles can be set up to 45 degrees left and can be cut with the mitre arm set between zero and 47 degrees right or left.

### **Quality of Cut**

The smoothness of any cut depends on a number of variables. Things like material being cut, blade type, blade sharpness and rate of cut all contribute to the quality of the cut.

When smoothest cuts are desired for molding and other precision work, a sharp (60 tooth carbide) blade and a slower, even cutting rate will produce the desired results. Ensure that material does not creep while cutting, clamp it securely in place. Always let the blade come to a full stop before raising arm.

If small fibers of wood still split out at the rear of the workpiece, stick a piece of masking tape on the wood where the cut will be made. Saw through the tape and carefully remove tape when finished.

Keep both feet firmly on the floor and maintain proper balance. As you move the mitre arm left and right, follow it and stand slightly to the side of the saw blade. Sight through the guard louvers when following a pencil line

### **Clamping the Workpiece**

#### **Turn Off and Unplug Saw**

If you cannot secure the workpiece on the table and against the fence by hand (irregular shape, etc.) or your hand will be within 6" of the blade, a clamp or fixture must be used.

Other convenient clamps such as spring, bar or C-clamps may be appropriate for certain sizes and shapes of workpieces. Use care in selecting and placing these clamps and make a dry run before making the cut.

#### **Support for Long Pieces**

#### **Turn Off and Unplug Saw**

**ALWAYS SUPPORT LONG PIECES**

For best results, use an extension work support to extend the table width of your saw. Support long workpieces using any convenient means such as sawhorses or similar devices to keep the ends from dropping.

### **Cutting Picture Frames, and Other Four Sided Projects**

To best understand how to make the items listed here, we suggest that you try a few simple projects using

scrap wood until you develop a "FEEL" for your saw.

Your saw is the perfect tool for mitring corners like the ones shown in **Figure 8**, which shows a joint made by setting the mitre arm at 45 degrees to to mitre the two boards to form a 90 degree corner. To make this type of joint, set the mitre arm to 45 degrees. The wood was positioned with the broad flat side against the table and the narrow edge against the fence.

As the number of sides changes, so do the mitre angles. The chart below gives the proper angles for a variety of shapes.

(The chart assumes that all sides are of equal length.) For a shape that is not shown in the chart, use the following formula. 180 degrees divided by the number of sides equals the mitre.

<b>- Examples -</b>	
<b>No. Sides</b>	<b>Angle Mitre</b>
4	45°
5	36°
6	30°
7	25.7°
8	22.5°
9	20°
10	18°

### **Cutting Compound Mitres**

A compound mitre is a cut made using a mitre angle and a bevel angle at the same time. This is the type of cut used to make frames or boxes with slanting sides like the one shown in **Figure 8**.

**NOTE:** If the cutting angle varies from cut to cut, check that the bevel clamp knob (**10**) and the mitre clamp handle (**4**) are securely tightened. These knobs must be tightened after making any changes in bevel or mitre.

### **Cutting Crown Molding**

In order to fit properly, crown molding must be mitred with extreme accuracy. The two flat surfaces on a given piece of crown molding are at angles that, when added together, equal exactly 90 degrees. Most, but not all, crown molding has a top rear angle (the section that fits flat against the ceiling) of 52 degrees and a bottom rear angle (the part that fits flat against the wall) of 38 degrees.

Pretesting with scrap material is extremely important! Place the bottom side (the side that will be against the wall) against the Mitre SAW FENCE. Place the top (that part that will be against the ceiling) against the saw table and the crown molding fence.

**Instructions for cutting crown MOLDING angled between the fence and the TABLE of the saw for all cuts:**

1. Angle the molding so the bottom of the molding (part which goes against the wall when installed) is against the fence and the top of the molding is resting on the table of the saw.
2. The angled “flats” on the back of the molding must rest squarely on the fence and table of the saw.

**INSIDE CORNER:**

Left side

1. Mitre right at 45°
2. Save the right side of cut

Right side

1. Mitre left at 45°
2. Save left side of cut

**OUTSIDE CORNER:**

Left side

1. Mitre left at 45°
2. Save the right side of cut

Right side

1. Mitre right at 45°
2. Save left side of cut

ALWAYS MAKE DRY RUNS TO CHECK FOR CLEARANCE AND CORRECTNESS OF CUTS.

**SPECIAL CUTS**

NEVER MAKE ANY CUTS UNLESS THE MATERIAL IS SECURED ON THE TABLE AND AGAINST THE FENCE.

**Aluminum Cutting (Carbide tipped blade only)**

Aluminum extrusions such as those used when making aluminum screens and storm windows can easily be cut with your saw using the proper blade designed for non-ferrous metal cutting. Position the material so that you will be cutting the thinnest cross section, as shown in **Figure 9**.

**Figure 10** illustrates the wrong way to cut these extrusions. Use a wax lubricant when cutting aluminum such as Johnson’s Stick Wax No.140. Apply the stick wax directly to the saw blade before cutting. Never apply stick wax to a moving blade.

The wax, available at most hardware stores and industrial mill supply houses, provides proper lubrication and keeps

chips from adhering to the blade.

Be sure to properly secure work. Certain workpieces, due to their size, shape or surface finish, may require the use of a clamp, jig or fixture to prevent movement during the cut.

**Bowed Material**

When cutting bowed material always position it as shown in **Figure 11** and never like that shown in **Figure 12**. Positioning the material incorrectly will cause it to pinch the blade near the completion of the cut.

**Cutting Plastic Pipe and other round cross-sectional material**

Plastic pipe can be easily cut with your saw. It should be cut just like wood and clamped or held firmly to the fence to keep it from rolling particularly when making angle cuts.

**MAINTENANCE**

(PERFORM ALL MAINTENANCE WITH MITRE SAW UNPLUGGED.)

1. All bearings are sealed. They are lubricated for life and need no further maintenance.
2. Periodically clean all dust and wood chips from around AND UNDER the base and the rotary table. Even though slots are provided to allow debris to pass through, some dust will accumulate.
3. The brushes are designed to give you several years of use. If they ever need replacement follow the instructions in this manual or return the tool to the nearest service center for repair.

**Important**

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement) should be performed by authorized service centers or other qualified service organizations, always using identical replacement parts.

**Trouble Shooting Guide**

BE SURE TO FOLLOW SAFETY RULES AND INSTRUCTIONS

TROUBLE! SAW WILL NOT START	
WHAT’S WRONG?	WHAT TO DO...
1. Saw not plugged in	1. Plug in saw
2. Fuse blown or circuit breaker tripped	2. Replace fuse or reset circuit breaker
3. Cord damaged	3. Have cord replaced by authorized service center
4. Brushes worn out	4. See “Brushes” in this manual



**TROUBLE! SAW MAKES UNSATISFACTORY CUTS**

WHAT'S WRONG?	WHAT TO DO...
1. Dull blade	1. Replace blade
2. Blade mounted backwards	2. Turn blade around
3. Gum or pitch on blade	3. Remove blade and clean with turpentine and coarse steel wool or household oven cleaner
4. Incorrect blade for work being done	4. Change the blade

**TROUBLE! BLADE DOES NOT COME UP TO SPEED**

WHAT'S WRONG?	WHAT TO DO...
1. Extension cord too light or too long	1. Replace with adequate size cord
2. Low house current	2. Contact your electric company

**TROUBLE! MACHINE VIBRATES EXCESSIVELY**

WHAT'S WRONG?	WHAT TO DO...
1. Saw not mounted securely	1. Tighten all mounting hardware
2. Stand or bench on uneven floor	2. Reposition on flat level surface
3. Damaged saw blade	3. Replace blade

**TROUBLE! DOES NOT MAKE ACCURATE MITRE CUTS**

WHAT'S WRONG?	WHAT TO DO...
1. Mitre scale not adjusted correctly	1. Check and adjust
2. Blade is not square to fence	2. Check and adjust
3. Workpiece moving	3. Clamp workpiece to fence or glue 120 grit sandpaper to fence with rubber cement

**TROUBLE! MATERIAL PINCHES BLADE**

WHAT'S WRONG?	WHAT TO DO...
1. Cutting bowed material	1. Position bowed material as shown in <b>Figure 11</b>

**DISPOSAL**

Separate collection. This product must not be disposed of with normal household waste.

Should you find one day that your Black & Decker product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection



Separate collection of used products and packaging allows materials to be recycled and used again. Re-use of recycled materials

helps prevent environmental pollution and reduces the demand for raw materials.

Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product.

**SERVICE INFORMATION**

Stanley offers a full network of company-owned and authorized service locations throughout Asia. All Stanley Service Centers are staffed with trained personnel to provide customers with efficient and reliable power tool service. Whether you need technical advice, repair, or genuine factory replacement parts, contact the Stanley location nearest to you.

**NOTE**

- Stanley's policy is one of continuous improvement to our products and, as such, we reserve the right to change product specifications without prior notice.
- Standard equipment and accessories may vary by country.
- Product specifications may differ by country.
- Complete product range may not be available in all countries. Contact your local Stanley dealers for range availability.





所有工具的安全指示

- 請讓防護罩始終處於正確的位置及正常工作狀態。
- 卸下調整鑰匙與扳手。請養成先查看是否已從心軸上卸下鑰匙與調整扳手，然後再啟動工具的習慣。
- 請保持工作區域整潔。凌亂的場所與工作台可能導致意外發生。
- 請勿在危險的環境中使用。請勿在潮濕或濕潤的地點使用電力工具，或將電力工具暴露在雨中。保持工作區域受到良好光照。
- 請讓兒童遠離工作區域。所有造訪者都應與工作區域保持安全距離。
- 請讓兒童遠離工作區域，可以使用掛鎖、主開關或卸下啟動鑰匙實現這一目的。
- 請勿強行用力使用工具。按設計速率使用本工具將更好、更安全地完成工作。
- 請使用工具執行適當的工作。請勿使用工具或附件強制執行不在設計目的範圍內的工作。
- 請身穿適合的服裝。請勿身穿寬鬆的衣物或配戴鬆動的手套、領結、戒指、手鏈或其他首飾，運動中的零件可能會勾住這些物品。建議穿上防滑鞋。請佩戴保護頭套，將長頭髮束好。
- 請務必佩戴護目鏡。若切割操作會產生大量灰塵，還必須使用面罩或防護面具。常規眼鏡只有耐衝擊鏡片，並非護目鏡。
- 請固定工件。若您無法用手將工件固定在平台上並緊靠擋板，或您的手與鋸片相距過近 (在 6 英吋以內) 易產生危險，請使用夾具或台鉗。
- 切割範圍請勿過大。時刻注意腳下與身體的平衡。
- 請細心維護工具。保持工具處於鋒利、清潔的狀態，以取得最佳、最安全的效能。請遵循潤滑與更換配件的指示。
- 在維修之前及更換配件 (例如鋸片、鑽頭及刀頭等) 時，先中斷工具的連接。
- 降低意外啟動的風險。接通電源前請確保開關處於關閉狀態。
- 請使用建議的配件。如需瞭解建議的配件，請參閱使用手冊。使用不適當的配件可能會招致人身傷害的風險。
- 切勿站在工具上。若工具傾覆或不慎觸及切割工具，會產生嚴重傷害。
- 請檢查受損的零件。在進一步使用工具前，應仔細檢查受損的防護罩或其他零件，以確定其是否能正確運作並執行預期功能，即檢查運動的零件是否對齊、運動的零件是否卡住、零件是否有破損、是否已固定以及是否存在可能影響運作的其他狀況。應正確修理或更換受損的防護罩或其他零件。若開關無法啟動或關閉工具，請勿使用工具。
- 切勿讓工具在無人值守的狀況下運轉。此時請關閉電源。在工具完全停止之前，請勿離開工具。

STEL721  
254mm 斜切鋸

技術資料

規格		STEL721
功率	w	1500
空載速度	/min	5500
最大直徑	mm	140x70
重量	KG	12.5

您應瞭解的重要資訊：

- 請僅使用鋒利的鋸片執行切割。使用鈍的鋸片時，切割效果不佳，並會導致電機過載。
- 若此鋸無法準確切割，請參閱本手冊中的「疑難排解」圖表。



重要安全指示

**警告：**使用電氣工具時，應始終遵循基本安全預防措施，以降低發生火災、觸電與人身傷害的風險。這些預防措施包括以下內容：

請閱讀所有指示



安全警告：雙重絕緣

雙重絕緣工具的構造採用兩層分離的電氣絕緣材料，或一層雙倍厚度的絕緣材料，以隔離您與工具的電氣系統。採用這一絕緣系統建置的工具，其設計旨在讓工具無需接地。因此本工具配備兩相插頭，您可藉此使用延長電線，而無需注意保留接地連線。

**註：**操作本工具時，雙重絕緣並不能取代常規的安全預防措施。絕緣系統的目的是增強保護，防止工具內可能發生的電氣絕緣故障產生傷害。

**更換零件：**維修所有工具時，請使用完全一致的更換零件。  
請修理或更換受損的電線。




安全指示：極化插頭

為了降低觸電的風險，本設備配備了極化插頭 (一個葉片較另一個葉片更寬)。此插頭只能單方向插入極化插座。若插頭無法完全插入插座，請反轉插頭。若仍無法插入，請聯絡合格的電工安裝適當的插座。請勿以任何方式改裝插頭。

- 請勿在易燃液體附近或在氣體或易爆環境中使用電氣工具。這些工具中的電機可能會產生火花，並引燃氣體。
- 使用適當的延長電線。請確保延長電線處於良好狀態。使用延長電線時，請確保使用電阻足夠小的延長電線來傳送產品需要提取的電流。若電線的電阻不夠小，會引起線路電壓下降，進而導致能量損失與過熱狀況發生。下表展示了要使用的正確的斷面面積大小，該值取決於電線長度與銘牌上的額定電流值。若有疑問，請使用斷面面積更大一級的電線。斷面面積越小，電線電阻越大。

導體斷面面積 (mm <sup>2</sup> )		纜線額定電流 (安培)					
0.75		6					
1.00		10					
1.50		15					
2.50		20					
4.00		25					
		纜線長度 (m)					
		7.5	15	25	30	45	60
電壓	安培	纜線額定電流 (安培)					
115	0 - 2.0	6	6	6	6	6	10
	2.1 - 3.4	6	6	6	6	15	15
	3.5 - 5.0	6	6	10	15	20	20
	5.1 - 7.0	10	10	15	20	20	25
	7.1 - 12.0	15	15	20	25	25	-
230	12.1 - 20.0	20	20	25	-	-	-
	0 - 2.0	6	6	6	6	6	6
	2.1 - 3.4	6	6	6	6	6	6
	3.5 - 5.0	6	6	6	6	10	15
	5.1 - 7.0	10	10	10	10	15	15
	7.1 - 12.0	15	15	15	15	20	20
	12.1 - 20.0	20	20	20	20	25	-

### 斜切鋸的其他安全規定

-  **注意：**若不注意以下警告，可能會導致人身傷害並導致鋸嚴重損壞。
- 請務必使用至少 15 安培的延時保險絲或斷路器來保護供電線。
- 請務必確保鋸片以正確的方向旋轉，鋸片底部的鋸齒指向斜切鋸的後端。
- 開始任何操作之前，請務必確保所有夾具手柄都已轉緊。
- 請務必確保所有鋸片與夾緊墊圈保持清潔，環的凹陷側緊靠鋸片。牢固旋緊軸螺絲。
- 請務必保持鋸片鋒利。
- 請務必保持電機氣槽沒有碎屑及灰塵。
- 請務必始終使用鋸片防護罩。
- 請務必讓手遠離鋸片運轉路徑。
- 在維修或調整工具前，請務必關閉電源、中斷電源的電線連接，並等候鋸片停止。
- 若工件較長，請務必使用外部的工件支架提供支撐。

- 請僅使用直徑為 10 英寸的鋸片。
- 請勿嘗試在任何非指定電壓下進行操作。
- 除非所有夾具手柄都已轉緊，否則請勿操作。
- 請勿使用較所建議鋸片更大或更小的鋸片。
- 請勿在風扇旁楔入任何物品以固定電機軸。
- 請勿強行用力執行切割操作。(電機停滯或部分停滯會導致嚴重傷害。在切割前，請讓電機達到全速。)
- 請勿切割含鐵金屬(含鐵或鋼成分的金屬)或任何磚石。
- 請勿使用砂輪。砂輪產生的過多熱量與磨蝕顆粒將導致鋸損壞。
- 請勿允許任何人站在鋸後。
- 在鋸片運轉時，請勿在鋸片上塗敷潤滑劑。
- 在鋸連接電源時，請勿將任何一隻手放在鋸片區域。
- 請勿使用額定轉速小於 5500 R.P.M 的鋸片。
- 請勿嘗試在未夾緊的狀況下切割小型物件(手與鋸片的距離不足 6 英寸)。
- 請勿在防護罩位置不當時對鋸進行操作。
- 請勿徒手執行任何操作。
- 請勿伸手到鋸片周圍或鋸片後方。
- 請勿將手放在與鋸片相距 6 英寸的範圍內。
- 除非鋸已關閉並拔出插頭，否則請勿將手伸到鋸的下方。鋸的下方有鋸片暴露。
- 在鋸片停止之前，請勿將任何一隻手從鋸或工件上移開或抬起手臂。
- 請勿在沒有鋸縫平台或鋸縫槽寬度超過 3/8 英寸時使用。
- 對鋸進行搬運時，請勿握持工件延伸部分或其他配件。



**注意：**一些木材包含的諸如銅鉻砷(CCA)等防腐劑可能有毒。切割這些材料時，應格外小心，避免吸入並盡力避免皮膚接觸防腐劑。



**注意：**使用本工具會產生含有化學物質的灰塵，已證實這些物質能導致癌症、出生缺陷或其他生殖危害。請使用適合的呼吸保護裝置。



**注意：**在閱讀並理解所有指示之前，請勿將本工具連接到電源。

**為了您的安全及方便起見，斜切鋸上增加了以下警告標識。**

#### 在電機外殼上：

**警告：**為了您自身的安全，請先閱讀使用手冊，然後再對鋸進行操作。維修時，請僅使用完全一致的更換零件。請始終佩戴護目鏡。

#### 在擋板上：

請先夾緊小型物件，然後再進行切割。請參閱手冊。

在防護罩上：

危險 – 請遠離鋸片。

在防護罩固定板上：「在使用前，請使用兩個螺絲正確固定托架。」

在平台上：(2 個位置)



在使用前，請務必旋緊調整旋鈕。保持手與鋸片運轉路徑的距離大於 6 英吋。請勿徒手執行任何操作。切勿讓手臂穿過鋸片前方。請三思！您可以避免事故。請勿在防護罩位置不當時對鋸進行操作。切勿伸手到鋸片後方。請始終佩戴護目鏡。在維修、調整工具或移開手之前，請關閉電源並等候鋸片停止。

### 電氣連接

請確保您的電源供應器與銘牌上標注的內容一致。若電壓降低 10% 或更多，將導致能量損失與過熱。所有 Stanley 工具都已通過原廠測試。若本工具無法運轉，請檢查電源供應器。

### 熟悉

將鋸置於光滑的平面 (例如工作台或堅固的桌面) 上。檢查圖 1 與 2 並參閱零件描述，以熟悉鋸及其多個零件。以下有關調整的部分將引用這些術語，您必須瞭解零件的名稱與位置。零件名稱后是對應的零件編號，例如鎖定銷 (10)。略微按下操作手柄，然後拉出鎖定銷 (10)，如圖 3 所示。輕輕向下施加壓力，讓斜接臂上升至最大高度。在兩個地點之間搬運鋸時，請使用鎖定銷。拔出電源插頭後，請使用操作手柄 (1) 或手柄凹槽 (11) (如圖 2 所示) 對鋸進行搬運。

### 規格

#### 切割範圍

47° 斜切 (左右方向)

47° 斜角 (左方向)

0° 斜切，最大高度 3-1/2 英吋，最大寬度 5-1/2 英吋

45° 斜切，最大高度 3-1/2 英吋，最大寬度 4-1/8 英吋

45° 斜角，最大高度 2-1/2 英吋，最大寬度 5-1/2 英吋

### 工作台安裝

為了便於安裝工作台，在所有四個底足上都提供了工作台安裝孔 (8)，如圖 1 所示。(提供了兩組大小不同的孔，以適合不同大小的螺絲。請使用其中任何一組安裝孔，無需同時使用兩組。)請務必將鋸牢固安裝，防止其移動。若要讓工具更便於攜帶，可以將其安裝在 1/2 英吋或更厚的夾板上，然後使用夾具將其固定在工件支架上，或將其移至其他工作地點再次夾緊。

註：若您選擇將鋸安裝在夾板上，請確保安裝螺絲不

會伸出木板的底部。必須將夾板平齊地放在工件支架上。使用夾具將鋸固定在工作台平面上時，請僅夾持安裝螺絲孔所在位置的夾持殼。夾持其他任何位置都會影響鋸的正常操作。



注意：為了避免發生卡鋸及切割不準確，請確保安裝平面不存在彎曲或其他不平坦的狀況。若鋸在平面上發生搖晃，請將薄片材料墊在鋸的一個底足下，直到鋸在安裝平面上牢固固定為止。

### 安裝新鋸片

(拔出斜切鋸的電源插頭)

請勿在此鋸中使用切割含鐵金屬或磚石的鋸片

- 使用套筒扳手以反時鐘方向旋鬆中央護蓋上的六角螺栓。
- 抬起安全護蓋與中央護蓋。
- 按下鎖以鎖定心軸。
- 使用套筒扳手以順時鐘方向旋鬆六角螺栓，然後取下螺栓與法蘭。
- 在心軸上安裝鋸片。請確保鋸片表面上的箭頭方向與護蓋上的箭頭方向相同。

註：內盤中鋸片有兩種不同的內徑，分別以鋼印標示為 25.4mm 與 16mm。在安裝時，內盤的外徑必須與鋸片的內徑對應。

- 安裝法蘭與六角螺栓。
- 按下鎖銷，並使用套筒扳手以反時鐘方向牢固旋緊六角螺栓，然後以順時鐘方向旋緊六角螺栓以固定中心護蓋。

註：安裝或取下鋸片時，請僅使用隨附的扳手。取下鋸片時，請抬起安全護蓋與中央護蓋。使用套筒扳手旋鬆六角螺栓，然後取下六角螺栓、法蘭與鋸片。

- 在鋸片旋轉時，切勿按下心軸鎖定銷。
- 完成鋸片安裝時，請確保按住防護罩托架並牢固旋緊防護罩托架螺絲，否則會導致鋸發生嚴重損壞。

### 對鋸進行裝配與調整

請在拔出電源插頭的狀況下執行鋸的所有裝配操作。

#### 安裝斜接夾具手柄

從零件塑膠袋中取出斜接夾具手柄 (4)，然後將其仔細裝入鋸前部的托架。

#### 安裝集塵袋

此鋸隨附帶拉鏈的布質集塵袋。若要安裝該集塵袋，請將其塑膠開口牢固地套在噴塵口 (9) 上。

註：此鋸也可以使用真空吸塵器軟管 (連接至噴塵口)，或不使用任何除塵附件。

#### 調整

請在拔出斜切鋸電源插頭的狀況下執行鋸的所有調整操作。

註：您的斜切鋸在原廠製造時，已進行了全面、準確的調整。如果因運送與裝卸或其他任何原因而需要重

新進行調整，請遵循以下調整步驟。

### 斜接刻度尺調整

將直角物件緊靠鋸的擋板與鋸片，如圖 4 所示。(直角物件請勿接觸鋸齒的尖端。否則會導致量測不準確。)鬆開斜接夾具手柄 (4)，如圖 5 所示，然後旋轉斜接臂，直到斜接鎖閂 (5) 在斜接位置 0 處鎖定為止。請勿轉緊夾具手柄。若鋸片與擋板並不完全垂直，請旋鬆將手柄固定在底座上的兩個螺絲 (如圖 6 所示)，然後左右移動鋸的斜接臂，直到鋸片與擋板垂直為止 (使用直角物件進行量測)。重新旋緊兩個螺絲。此時無須注意斜接指標的讀值。

### 防護罩的啟動與可視度

此鋸上的鋸片防護罩經過特定設計，在手臂下壓時，鋸片防護罩會自動升高；在手臂抬起時，鋸片防護罩會在鋸片上自動降低。在安裝或取下鋸片或在檢查鋸時，可以手動升高防護罩。除非鋸已關閉，否則切勿手動升高鋸片防護罩。

**註：**某些特殊切割作業需要您手動升高防護罩。若要如此，只需將右手拇指放在防護罩的上面，向上轉動防護罩，直到可以容納工件即可。切勿將防護罩縛緊或以其他方式阻礙防護罩正常操作。

## 操作

將鋸的插頭插入任何電源。如需瞭解電壓，請參閱銘牌。請確保電線不會妨礙您的工作。

### 開關

若要啟動此鋸，請按下觸發開關 (16)。若要關閉工具，請鬆開觸發開關。未提供將開關鎖定在開啟狀態的裝置。

### 身體與手的位置 (請參閱圖 7)

在操作斜切鋸時，若身體與手處於正確的位置，可以更輕鬆、更準確、更安全地進行切割。雙手切勿靠近切割區域。請勿將手放在與鋸片相距 6 英吋的範圍內。切割時，請將工件牢牢固定在平台上及擋板旁。將手放在適當的位置，直到松開觸發開關，鋸片完全停止為止。

請務必在執行精細切割之前進行演練 (不接通電源)，以便檢查鋸片的運轉路徑。請勿讓手穿過鋸片的運轉路徑，如圖 7 所示。

### 使用鋸進行切割

**註：**雖然此鋸可用於切割木材與許多不含鐵的材料，但是本文的討論僅限於切割木材。這些準則也適用於其他材料。請勿使用此鋸切割含鐵 (鐵與鋼) 材料或磚石。

請勿使用任何研磨性鋸片。

### 橫切

**註：**不建議同時切割多個物件，但是若能確保將每個物件牢牢固定在平台上及擋板旁，則可以安全地執行這一操作。

橫切係指以任何角度橫穿木材的紋理進行切割。進行直線橫切時，斜接臂位於零度位置。將斜接臂設定於零度位置，在平台上按住木材，讓其牢牢靠在擋板旁。壓下觸發開關以啟動鋸。在鋸達到全速 (大約經過 1 秒鐘) 後，平穩緩慢地降低手臂開始切割木材。在抬起手臂之前，請等候鋸片完全停止。進行斜線橫切時，斜接臂處於非零的某個角度。該角度通常是 45 度 (以製作物件的角)，但是可以設定為向左或向右的零度至 47 度之間的任何角度。在選取所需的斜切角度之後，請確保轉緊斜接夾具手柄 (4)。然後按照以上所述執行切割。

### 斜角切割

斜角切割是鋸片相對於木材呈某一斜角的橫切。若要設定斜角，請旋鬆斜角夾具旋鈕 (17)，然後視需要將鋸左移。在設定所需的斜角角度之後，請旋緊斜角夾具旋鈕。

斜角角度可以最多設定為向左 45 度，在切割時可將斜接臂設定為向左或向右的零度至 47 度之間的任何角度。

### 切割品質

任何切割作業的平滑度都取決於諸多變數。諸如所切割的材料、鋸片類型、鋸片的鋒利程度以及切割速度等要素都會影響切割的品質。

若需要進行最平滑的切割以製模及其他精確工作使用，鋒利 (60 齒硬合金) 的鋸片與較為緩慢且平穩的切割速度會產生理想結果。請確保材料在切割時不會發生小幅移動，應將其牢固地夾持定位。請務必先等候鋸片完全停止，然後再抬起手臂。

若工件後部仍帶有小的植物鬚根，請在木材上要進行切割的位置粘貼紙膠帶。切割時對木材與紙膠帶一併進行切割，切割完成後請仔細移除紙膠帶。

請雙足平穩地站在地上，保持正常的身體平衡。在左右移動斜接臂時，身體隨之移動，站位稍傾向於鋸片一側。沿鉛筆線進行切割時，視線應穿過防護罩的氣窗。

### 夾緊工件

#### 請關閉電源並拔出鋸的電源插頭

若您 (由於工件形狀不規則等原因) 無法用手將工件固定在平台上並緊靠擋板，或您的手與鋸片相距不足 6 英吋，則必須使用夾具或固定裝置。

諸如彈簧、棒或 C 型萬力夾等其他便利夾具可能適用於夾緊特定大小與形狀的工件。請仔細選取及放置這些夾具，並在切割前先進演練。

### 對長工件使用支架

#### 請關閉電源並拔出鋸的電源插頭

請務必對長工件使用支架

為了取得最佳結果，請使用延長型工件支架以延伸鋸的平台寬度。請使用任何便利方式 (例如鋸木架或類似裝置) 支撐長工件，以免末端掉落。

### 透過切割製作相框及其他四邊形物件



為了最全面地瞭解如何製作此處列示的項目，建議您先使用廢棄的木材嘗試製作一些簡易的物件，直到您取得對此鋸的一些「使用心得」為止。此鋸非常適合透過斜切製作物件的角，例如圖 8 所示的角，該範例所展示接頭的製作方法是將斜接臂設為 45 度，透過斜切製作兩塊木條，從而構成 90 度的角。若要製作此類接頭，請將斜接臂設為 45 度。木材的放置方式是寬而平的一側緊靠平台，窄的一側緊靠擋板。

若邊的數量發生變化，斜切角度也將隨之而變。下表提供了針對多種形狀的正確角度。

(此表假設所有邊的長度相等。)

對於此表中未顯示的形狀，請使用以下公式：斜切角度 = 180 度 / 邊數。

- 範例 -	
邊數	斜切角度
44	5°
53	6°
63	0°
7	25.7°
8	22.5°
92	0°
10	18°

### 執行複合式斜切

複合式斜切是同時使用斜切角度與斜角角度的切割方式。此類型的切割用於製作具有傾斜邊 (例如圖 8 中所示的邊) 的木框或木箱。

**註：**若每次切割的角度有所不同，請檢查斜角夾具旋鈕 (10) 與斜接夾具手柄 (4) 是否已牢牢旋緊。對斜切角度或斜角角度進行任何變更後，都必須旋緊這些旋鈕。

### 執行冠式模頂切割

為了實現精確搭配，冠式模頂斜切必須具有極高的準確度。指定冠式模頂上的兩個平面各具角度，拼接在一起後準確構成 90 度。多數 (但不是全部) 狀況下，冠式模頂的上後角 (與天花板平貼的部分) 為 52 度，下後角 (與牆壁平貼的部分) 為 38 度。

使用廢棄材料進行預先測試，這一點極為重要！讓下邊 (將貼牆的一邊) 緊靠斜切鋸擋板。讓上邊 (將貼天花板的一邊) 緊靠斜切鋸平台與冠式模頂擋板。

**執行冠式模頂切割 (執行所有切割作業時，鋸的擋板與平台之間呈某個角度) 的指示：**

1. 調整模頂角度，讓模頂的下邊 (安裝時將緊靠牆面的部分) 緊靠擋板，讓模頂的上邊位於鋸的平台上。
2. 模頂背面呈某角度的「平面」必須與鋸的擋板與平台垂直。

#### 內角：

左側

1. 斜切角度為向右 45°

#### 2. 不切割右側

右側

1. 斜切角度為向左 45°

#### 2. 不切割左側

#### 外角：

左側

1. 斜切角度為向左 45°

#### 2. 不切割右側

右側

1. 斜切角度為向右 45°

#### 2. 不切割左側

請務必進行演練以檢查切割的間隙與正確性。

## 特殊切割

除非材料已固定在平台上並緊靠擋板，否則切勿執行任何切割。

### 鋁材切割 (僅可使用硬合金鑲齒的鋸片)

使用專為切割不含鐵的金屬而設計的適當的鋸片，可以藉由此鋸輕鬆切割鋁擠型 (例如製作鋁紗窗與防風窗所用的鋁擠型)。放置材料時，應使鋸切割最薄的斷面，如圖 9 所示。圖 10 展示的是切割這些鋁擠型的錯誤方式。切割鋁材時，請使用蠟潤滑劑 (例如 Johnson 的 140 號蠟棒)。在切割前，將蠟棒直接塗在鋸片上。切勿將蠟棒塗在正在運轉的鋸片上。

該蠟在多數五金商店與工業研磨用品商店都有售，能提供適當的潤滑，防止碎屑附著在鋸片上。

請確保正確固定工件。某些工件因其大小、形狀或表面光潔度等原因，可能需要使用夾具、夾盤或固定裝置，防止在切割時發生移動。

### 弧形材料

切割弧形材料時，請務必按照圖 11 所示方式放置材料，切勿遵循圖 12 所示的方式。

材料放置方式不正確會導致材料在切割接近完成時夾住鋸片。

### 切割塑膠管及其他圓形斷面的材料

使用此鋸可以輕鬆切割塑膠管。應採用與木材相似的切割方式，並將塑膠管牢固夾持或固定在擋板旁，以防止其滾動，尤其是在執行有角度的切割時，更應如此。

## 維護

(請在拔出斜切鋸電源插頭的狀況下執行所有維護操作。)

1. 所有軸承都已密封。軸承已進行終生潤滑，不需要進一步的維護。
2. 定期清潔底座與旋轉平台周圍與下方的所有灰塵與木材碎屑。即使提供了用於移走碎屑的槽，也會積累灰塵。
3. 毛刷經過精心設計，可供您使用數年。若需要更換

毛刷，請遵循本手冊中的指示，或將其送到最近的維修中心進行修理。

### 重要資訊

為了確保產品安全可靠，修理、維護與調整作業(包括毛刷的檢查與更換)應由授權的維修中心或其他合格的維修機構執行，並務必使用完全一致的更換零件。

### 疑難排解指南

請確保遵循安全規定與指示

### 疑難問題！無法實現準確的斜切

出現的問題	解決方法...
1. 未正確調整斜接刻度尺 2. 鋸片與擋板不垂直 3. 工件發生移動	1. 檢查並調整 2. 檢查並調整 3. 夾緊工件將其固定在擋板上，或使用橡膠膠水將粒度為 120 的砂紙黏在擋板上

### 疑難問題！材料夾住鋸片

出現的問題	解決方法...
1. 切割弧形材料	1. 按照圖 11 所示放置弧形材料

### 處置



分類收集。本產品必須與一般家庭廢物分開處置。

若您發現您的 Stanley 產品需要進行更換，或您已經不再需要使用這些產品，請勿將其與家庭廢物一併處置。



請將本產品送往分類收集處。分類收集用過的產品及包裝，可以實現材料的回收與再次使用。重新使用回收的材料有助於防止環境污染，並降低對原材料的需求。

當地法規可能要求由市政廢物回收點，或由向您出售新產品的經銷商來提供將電子產品與家庭廢物分類收集的服務。

### 附註

- Stanley 秉持持續改善產品這一原則，因此，我們保留隨時變更產品規格而不預先通知的權利。
- 標準設備及配件可能會視國家/地區而有所不同。
- 產品規格可能會視國家/地區而有所不同。
- 並非在所有的國家/地區都將提供完整的產品系列。如需瞭解產品系列的可用性，請聯絡您當地的 Stanley 代理商。

進口商: 永安實業股份有限公司  
地址: 新北市三重區新北大道二段 137 號  
電話: 02 - 29994633

### 疑難問題！鋸無法啟動

出現的問題	解決方法...
1. 未插入鋸的電源插頭 2. 保險絲熔斷或斷路器跳閘 3. 電線受損 4. 毛刷磨損	1. 插入鋸的電源插頭 2. 更換保險絲或重設斷路器 3. 由授權維修中心更換電線。 4. 請參閱本手冊的「毛刷」部分。

### 疑難問題！鋸的切割效果不理想

出現的問題	解決方法...
1. 鋸片較鈍 2. 鋸片裝反 3. 鋸片上有樹膠或瀝青 4. 針對工件使用的鋸片不正確	1. 更換鋸片 2. 調換鋸片安裝方向 3. 取下鋸片，使用松節油、粗鋼絲絨或家用烤箱清潔劑進行清潔 4. 變更鋸片

### 疑難問題！鋸片無法達到全速

出現的問題	解決方法...
1. 延長電線過輕或過長 2. 電流過小	1. 使用適當的電線進行更換 2. 聯絡您的供電公司

### 疑難問題！機器過度震動

出現的問題	解決方法...
1. 鋸的安裝不牢固 2. 支架或工作台所在的地面不平 3. 鋸片受損	1. 緊固安裝的所有五金件 2. 放置在水平的平面上 3. 更換鋸片