



The
Renovator



Twist-A-Saw



SAFETY AND OPERATING MANUAL

FOR THE DELUXE KIT



Original Instructions

Welcome

Congratulations on purchasing your Twist-A-Saw™ rotary tool. Before using it, please read this manual carefully.

This manual covers how to safely use your Twist-A-Saw™ rotary tool, as well as tips for using and maintaining it.

10X the speed of a regular cordless drill

You're about to discover why Twist-A-Saw™ is the ultimate home and professional renovation and remodelling tool. With ten times the speed of a regular cordless drill, you can now plunge cut, move in any direction, cut perfect circles and create shapes in all sorts of materials – without changing bits and all with just one tool.

Twist-A-Saw™ cuts through drywall/plasterboard, laminate, MDF, particleboard, wood flooring, panelling, plastic, thin aluminium, plywood, acrylic, fibreglass, carbon fibre and more. With Twist-A-Saw™ you can precision-cut more easily, faster and with greater control on all sorts of jobs, saving you time and money.

And with the Twist-A-Flex™ rotary tool attachment, bits and accessories you can cut, grind, sand and polish in minute detail. It's perfect for those special projects, arts, crafts and hobbies.

Twist-A-Bits workshop guide

We've also include a handy chart so you can quickly match the right bit and recommended speed to the material you wish to cut. Pin this on your workshop wall, or keep it somewhere safe – you'll find it an invaluable time-saver.

If you have any questions, please call our customer service team on the back page.



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Contents

Twist-A-Saw™ Deluxe Kit	3
General Power Tool Safety Warnings	10-14
Additional Safety Warning	15-20
General	21
Twist-A-Saw™ components	21
Accessories	22
Parts of the Twist-A-Saw™	23
Setting up	25
Which parts do I need?	25
Changing the collets	26
Installing cutting bits	28
Attaching the Multi-Purpose Handle	30
Adjusting the Comfort Control Grip	32
Adjusting the Depth Guide	34
Attaching the Circle Cutter	35
Attaching the Fence Guide	37
Installing the Vacuum Hose	38
Attaching the Twist-A-Flex™	39
Installing a bit in the Twist-A-Flex™	40
Using the Twist-A-Saw™	41
Turning the Twist-A-Saw™ on and off.	41
Changing the Variable Speed Dial.	43
Making practice cuts	44
Cutting outlet openings in drywall/plasterboard.	47
Using the Circle Cutter	49
Using the Twist-A-Flex™ Rotary Tool Attachment	52



Tips and troubleshooting	54
Choosing the right speed.	54
Cutting tips.	54
Power indicator light	55
Twist-A-Saw™ Care	56
Cleaning & Storage	56
Service and repairs	57
Warranty	58
Disposal / Declaration Of Conformity / Manufacturers	59



Twist-A-Saw™ Deluxe Kit

Code	Twist-A-Saw™ Components	Qty
A	Twist-A-Saw™	1
B	Twist-A-Saw™ Multi-purpose handle	1
C	Twist-A-Saw™ Circle cutter	1
D	Twist-A-Flex™ Rotary tool attachment	1
E	Twist-A-Saw™ Vacuum hose	1
F	16mm Collet Wrench	1
G	10mm Twist-A-Flex™ Collet Wrench (included in kit)	1
H, I, J	Collets (6.35 / 4.76 / 3.2mm)	3
K	Instructional DVD (optional)	1
L	Manual	1
M	A2 Twist-A-Bits Workshop Guide	1
N	Glass Etching Paper Stencil	40
O	287pc Deluxe Accessory Kit	1

Note: For information on bits and accessories, please see the included Twist-A-Bits Workshop Guide.



Twist-A-Saw™ Deluxe Kit

Twist-A-Saw™ Deluxe Kit Accessory

Code	Name	Comments	Qty
C01	Tile Rasp	Tile & Grout	1
C02	Tile Cutter	Tile & Grout	1
C03	Tile Hole Saw 25mm	Tile & Grout	1
C04	Drywall Bit	Drywall/Plasterboard	1
C05	Wood & Multipurpose	Wood & Multipurpose	1
C06	Wood & Multipurpose	Wood & Multipurpose	1
C07	Wood & Multipurpose	Wood & Multipurpose	1
C08	Wood & Multipurpose	Wood & Multipurpose	1
C09	Wood & Multipurpose	Tracing	1
Router1	Straight Router Bit	Router	1
Router2	Profiling Router Bit	Router	1
RB01	Wood Carving Bit	Wood Carving - 7.9mm	1
RB02	Wood Carving Bit	Wood Carving - 6.4mm	1
RB03	Wood Carving Bit	Wood Carving - 3.2mm	1
RB04	Wood Carving Bit	Wood Carving - 3.2mm	1
RB05	Sanding Drum	Sanding - 12.7mm	1
RB06	Sanding Drum	Sanding - 9.5mm	1
RB07	Sanding Drum	Sanding - 6.35mm	1
RB08	Sanding Belt	Sandpaper grit 80 - 12.7mm	9



Twist-A-Saw™ Deluxe Kit

Twist-A-Saw™ Deluxe Kit Accessory

RB09	Sanding Belt	Sandpaper grit 120 - 12.7mm	9
RB10	Sanding Belt	Sandpaper grit 80 - 9.5mm	9
RB11	Sanding Belt	Sandpaper grit 120 - 9.5mm	9
RB12	Sanding Belt	Sandpaper grit 80 - 6.35mm	8
RB13	Sanding Belt	Sandpaper grit 120 - 6.35mm	8
RB14	Locking Pin for Polishing Felt	Polishing & Buffer	1
RB15	Polishing Felt	Polishing & Buffer - 9mm	1
RB16	Polishing Felt	Polishing & Buffer - 13mm	6
RB17	Polishing Felt	Polishing & Buffer - 25mm	2
RB18	Diamond Drill	Etching - 3mm x 10mm	1
RB19	Diamond Drill	Etching - 2mm x 10mm	1
RB20	Diamond Drill	Etching - 2mm x 10mm	1
RB21	Diamond Drill	Etching - 3mm x 10mm	1
RB22	Diamond Drill	Etching - 4mm	1
RB23	Diamond Drill	Etching - 2mm	1
RB24	Diamond Drill	Etching - 4mm	1
RB25	Diamond Drill	Etching - 1.5mm x 12mm	1
RB26	Diamond Drill	Etching - 2.2mm x 12mm	1
RB27	Diamond Drill	Etching - 2.5mm x 10mm	1



Twist-A-Saw™ Deluxe Kit

Twist-A-Saw™ Deluxe Kit Accessory

RB28	Precision Drill	Drill - 3.2mm	2
RB29	Precision Drill	Drill - 2.4mm	2
RB30	Precision Drill	Drill - 1.69mm	2
RB31	Diamond Cutting Wheel	Cutting - 22mm	2
RB32	Polishing Tip	Polishing - 6mm	2
RB33	Polishing Tip	Polishing - 6mm	2
RB34	Polishing Tip	Polishing - 6mm	2
RB35	Grinding Wheels	Grinding - 20mm	2
RB36	Grinding Wheels	Grinding - 10mm	2
RB37	Grinding Wheels	Grinding - 15mm x 10mm	2
RB38	Grinding Wheels	Grinding - 10mm x 20mm	2
RB39	Grinding Wheels	Grinding - 9.5mm x 14.5mm	2
RB40	Stainless Steel Brush Axial	Wirebrushing - 5mm	1
RB41	Bristle Brush Axial	Wirebrushing - 5mm	1
RB42	Stainless Steel Brush	Wirebrushing - 18mm	1
RB43	Bristle Brush	Wirebrushing - 18mm	1
RB44	Bristle Brush Radial	Wirebrushing - 22mm	1
RB45	Stainless Steel Brush Radial	Wirebrushing - 22mm	1
RB46	Brass Brush Radial	Wirebrushing - 22mm	1



Twist-A-Saw™ Deluxe Kit

Twist-A-Saw™ Deluxe Kit Accessory

RB47	Dressing Stone	Sharpening - 25mm x 9.5mm	1
RB48	Mandrel for Cutting Wheels	Disc Holder - 2.4mm	1
RB49	Mandrel for Cutting Wheels	Disc Holder - 2mm	1
RB50	Sandpaper Base	Sanding - 20mm	1
RB51	Sandpaper Grit	Sanding - 20mm	40
RB52	Sandpaper Grit	Sanding - 20mm	40
RB53	Cutting Wheel	Cutting - 23mm	36
RB54	Flapwheel	Sandpaper grit 80 - 31mm x 9mm	2
RB55	Flapwheel	Sandpaper grit 80 - 15mm x 15mm	2
RB56	Cutting Wheel	Cutting - 32mm	16
RB57	Collet	Chuck - 3.2mm	1
RB58	Collet	Chuck - 2.4mm	1
RB59	Collet	Chuck - 1.6mm	1
RB60	Aluminium Oxide Grinding Wheel	Grinding - 20mm x 3.5mm	6
RB61	Grinding Wheel	Grinding - 20mm x 3.5mm	6
RB62	Silicon Carbide Grinding Wheel	Grinding - 20mm x 3.5mm	6
RB63	Rubber Emery Wheel	Grinding - 22mm	2



Twist-A-Saw™ Deluxe Kit

Twist-A-Saw™ Deluxe Kit Accessory

RB64	Polish Compound	Polishing	1
RB65	Collet Wrench	Tool	1
RB66	Twist-A-Flex Pin	Tool	1

11 cutting bits and 276 rotary accessories. Total: 287 pieces.

Used Symbols



Read these instructions



Use hearing protection



Use eye protection



Use a dust mask



Revolutions or reciprocations per minute



Diameter



Warning symbol



RoHS Compliant



GS Mark



EAC Mark



Declaration of conformity C €



Double Insulation



Do not dispose in the garbage



Safety

General Power Tool Safety Warnings



Warning

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool.

1) Work area safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.



Safety

2) Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
- c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

Note: The term “residual current device (RCD)” may be replaced by the term “ground fault circuit interrupter (GFCI)” or “earth leakage circuit breaker (ELCB)”.



Safety

3) Personal safety

a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.**

b) **Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries. Safety**



Use hearing protection



Use eye protection



Use a dust mask

c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.**

d) **Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.**

e) **Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.**

f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.**

g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.**



Safety

4) Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*
- f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*



Safety

5) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*
- b) **Hold power tool by insulated gripping surfaces, because the cutter may contact its own cord.** *Cutting a "live" wire may make exposed metal parts of the power tool "live" and shock the operator.*
- c) **Use clamps or another practical way to secure and support the workpiece to a stable platform.** *Holding the work by your hand or against the body leaves it unstable and may lead to loss of control.*

Additional Safety warnings

- a) **This power tool is intended to function as a grinder, sander, wire brush, polisher or cut-off tool. Read all safety warnings, instructions, illustrations and specifications provided with this power tool.** *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*
- b) **Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** *Just because the accessories can be attached to your power tool, it does not assure safe operation.*
- c) **The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.** *Accessories running faster than their rated speed can fly apart.*
- d) **The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool.** *Incorrectly sized accessories cannot be adequately guarded or controlled.*
- e) **The arbour size of wheels, flanges, backing pads or any other accessory must properly fit the spindle of the power tool.** *Accessories with arbour holes that do not match the mounting hardware of the power tool will run out of balance. Vibrate excessively and may cause loss of control.*



Safety

Additional Safety warnings

- f) **Do not use a damaged accessory.** Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear and wire brushes for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no load speed for one minute. *Damaged accessories will normally break apart during this test time.*
- g) **Wear personal protective equipment.** Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and shop apron capable of stopping small abrasive or workpiece fragments. *The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.*
- h) **Keep bystanders a safe distance away from work area.** Anyone entering the work area must wear personal protective equipment. *Fragments of the workpiece or of a broken accessory may fly away and cause injury beyond the immediate area of operation.*
- i) **Hold power tool only by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** *Cutting accessory contacting a "live" wire may make exposed metal parts of the tool "live" and shock the operator.*
- j) **Use clamps or another practical way to secure and support the workpiece to a stable platform.** *Holding the work by your hand or against the body leaves it unstable and may lead to loss of control.*
- k) **Position the cord clear of the spinning accessory.** *If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.*
- l) **Never lay the power tool down until the accessory has come to a**



Safety

Additional Safety warnings

complete stop. *The spinning accessory may grab the surface and pull the power tool out of your control.*

- m) **Do not run the power tool while carrying it at your side.** *Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.*
- n) **Regularly clean the power tool's air vents.** *The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.*
- o) **Do not operate the power tool near flammable materials.** *Sparks could ignite these materials.*
- p) **Do not use accessories that require liquid coolants.** *Using water or other liquid coolants may result in electrocution or shock.*
- q) **Do not work materials containing asbestos** *(asbestos is considered carcinogenic).*
- r) **Take protective measures when during work dust can develop that is harmful to one's health, combustible or explosive** *(some dusts are considered carcinogenic) wear a dust mask and work with dust/chip extraction when connectable.*



Safety

Kickback and related warnings

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding. For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions. Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

- a) **Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up.** *The operator can control torque reactions or kickback forces, if proper precautions are taken.*
- b) **Never place your hand near the rotating accessory.** *Accessory may kickback over your hand.*
- c) **Do not position your body in the area where power tool will move if kickback occurs.** *Kickback will propel the tool in the direction opposite to the wheel's movement at the point of snagging.*
- d) **Use special care when working corners, shark edges etc. Avoid bouncing and snagging the accessory.** *Corners, shark edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.*
- e) **Do not attach a saw chain woodcarving blade or toothed saw blade.** *Such blades create frequent kickback and loss of control.*



Safety

Safety warnings specific for grinding and abrasive cutting off operations

- a) **Use only wheel types that are recommended for your power tool and the specific guard designed for the selected wheel.** *Wheels for which the power tool was not designed cannot be adequately guarded that are unsafe.*
- b) **Wheels must be used only for recommended applications. For example: do not grind with the side of cut-off wheel.** *Abrasive cut off wheels are intended for peripheral grinding, side forces applied to these wheels may cause them to shatter.*
- c) **Always use undamaged wheel flanges that are of correct size and shape for your selected wheel.** *Proper wheel flanges support the wheel thus reducing the possibility of wheel breakage. Flanges for cut-off wheels maybe different from grinding wheel flanges.*
- d) **Do not use worn down wheels from larger power tools.** *Wheel intended for larger power tools is not suitable for the higher speed of a smaller tool and may burst.*



Safety

Additional safety warnings specific for abrasive cutting off operations

- a) **Do not “jam” the cut-off wheel or apply excessive pressure. Do not attempt to make an excessive depth of cut.** *Overstressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback or wheel breakage.*
- b) **Do not position your body in line with and behind the rotating wheel.** *When the wheel, at the point of the operation is moving away from your body, the possible kickback may propel the spinning wheel and the power tool directly at you.*
- c) **When wheel is binding or when interrupting a cut for any reason, switch off the power tool and hold the power tool motionless until the wheel comes a complete stop. Never attempt to remove the cut-off wheel from the cut while the wheel is in motion otherwise kickback may occur.** *Investigate and take corrective action to eliminate the cause of wheel binding.*
- d) **Do not restart the cutting operation in the workpiece. Let the wheel reach full speed and carefully re-enter the cut.** *The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece.*
- e) **Support panels or any oversized workpiece to minimize the risk of wheel pinching and kickback.** *Large workpieces tend to sag under their own weight. Supports must be placed under the workpiece near the line of cut and near the edge of the workpiece on both sides of the wheel.*
- f) **Use extra caution when making a “pocket cut” into existing walls or other blind areas.** *The protruding wheel may cut gas or water pipes, electrical wiring or objects that can cause kickback.*



Safety

Safety warnings specific for sanding operations

- a) **Do not use excessively oversized sanding disc paper. Follow manufacturer's recommendations, when selecting sand paper.**
Larger sanding paper extending beyond the sanding pad presents a laceration hazard and may cause snagging, tearing of the disc or kickback.

Safety warning specific for polishing operations

- a) **Do not allow any loose portion of the polishing bonnet or its attachment strings to spin freely. Tuck away or trim any loose attachment strings. Loose and spinning attachment strings can entangle your fingers or snag on the workpiece.**

Safety warnings specific for wire brushing operations

- a) **Be aware that wire bristles are thrown by the brush even during ordinary operation. Do not overstress load to the brush. The wire bristles can easily penetrate light clothing and/or skin.**
- b) **If the use of a guard is recommended for wire brushing, do not allow any interference of the wire wheel or brush with the guard. Wire wheel or brush may expand in diameter due to work load and centrifugal forces.**
- c) **Do not exceed 15,000 rpm while using wire brushes.**



Safety

Machine specific safety warnings

- a) **Use the machine only for dry sanding.** *Penetration of water into the machine increases the risk of an electric shock.*
- b) **Keep hands away from the sawing range. Do not reach under the workpiece.** *Contact with the saw blade can lead to injuries.*
- c) **Use suitable detectors to determine if utility lines are hidden in the work are or call the local utility company for assistance.** *Contact with electric lines can lead to fire and electric shock. Damaging a gas line can lead to explosion. Penetrating a water line causes property damage or may cause an electric shock.*
- d) **When working with the machine, always hold it firmly with both hands and provide for a secure stance.** *The power tool is guided more secure with both hands.*
- e) **Secure the workpiece.** *A workpiece clamped with clamping devices or in a vice is held more secure than by hand.*
- f) **Keep your workplace clean.** *Blends of materials are particularly dangerous. Dust from light alloys can burn or explode.*
- g) **Wear protective gloves when changing application tools / accessories.** *Application tools/accessories become hot after prolonged usage.*
- h) **Do not treat the surface to be worked with solvent-containing fluids.** *Materials being warmed up by the scraping can cause toxic vapours to develop.*
- i) **Exercise extreme caution when handling the scraper.** *The accessory is very sharp; danger of injury.*



Warning!

Do not work with materials containing asbestos (asbestos is considered carcinogenic).



Warning!

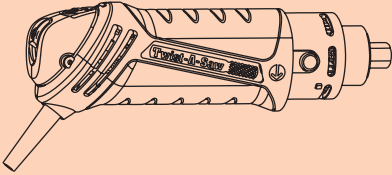
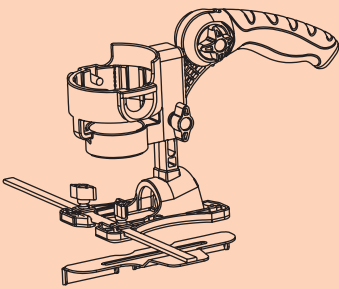
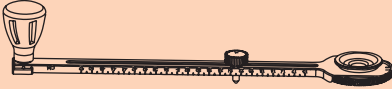

Take protective measures during work when dust can develop that is harmful to one's health, combustible or explosive (some dusts are considered carcinogenic); wear a dust mask and work with dust/ chip extraction when connectable.



General



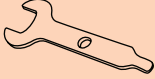
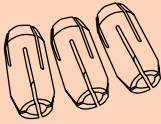
Twist-A-Saw™ components

The following components are included with your Twist-A-Saw™.

Part	Description	
A	Twist-A-Saw™ Rotary Tool	
B	Twist-A-Saw™ Multi-Purpose Handle (include: Depth Guide and Fence Guide)	
C	Twist-A-Saw™ Circle Cutter	
D	Twist-A-Flex™ Rotary Tool Attachment	



General

Part	Description	
E	Twist-A-Saw™ Vacuum Hose	
F	16mm (5/8") Collet Wrench	
G	10mm (3/8") Twist-A-Flex™ Collet Wrench (included in kit)	
H	6.35mm (1/4") Collet	
I	4.76mm (3/16") Collet	
J	3.2mm (1/8") Collet	

Accessories

For a list of the accessories included with Twist-A-Saw™, refer to the separate Twist-A-Bits workshop guide.

Note: All components and accessories listed in this manual are manufactured using metric measurements. The metric and imperial comparisons in this manual are approximate (1mm = approximately 1/32"). We recommend you use the standard imperial size that is closest to the metric size shown.

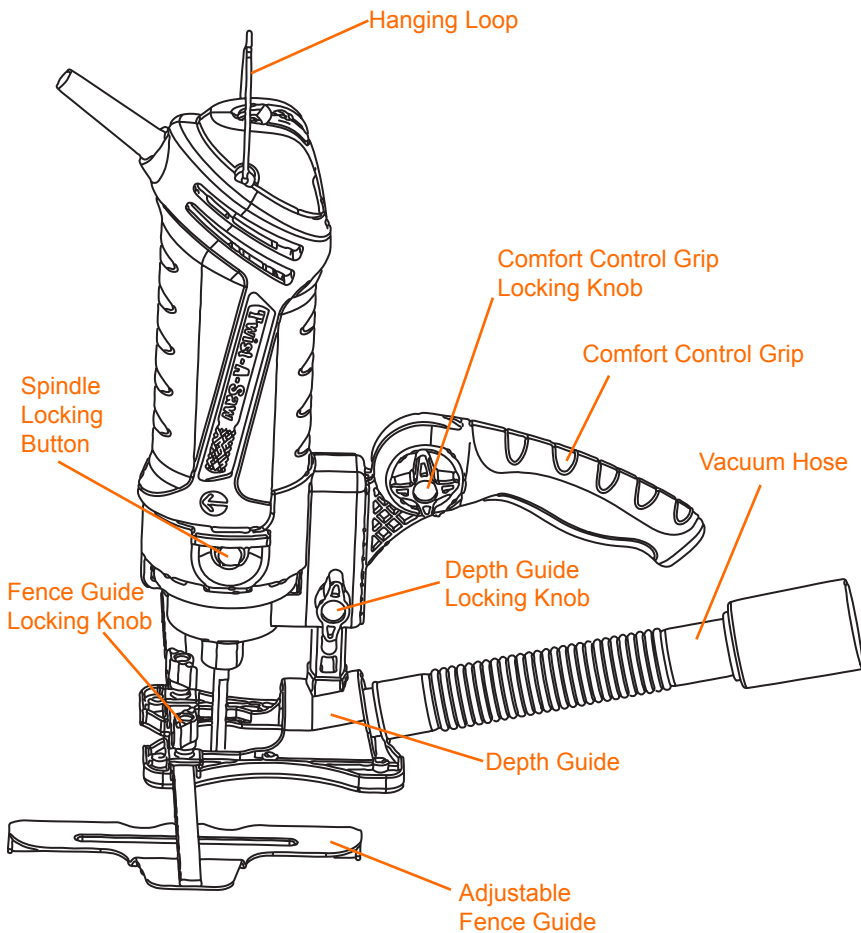


General

Parts of the Twist-A-Saw™

The following diagrams show the labelled parts of the Twist-A-Saw™ Rotary Tool, Multi-Purpose Handle and Twist-A-Flex™ Rotary Tool Attachment.

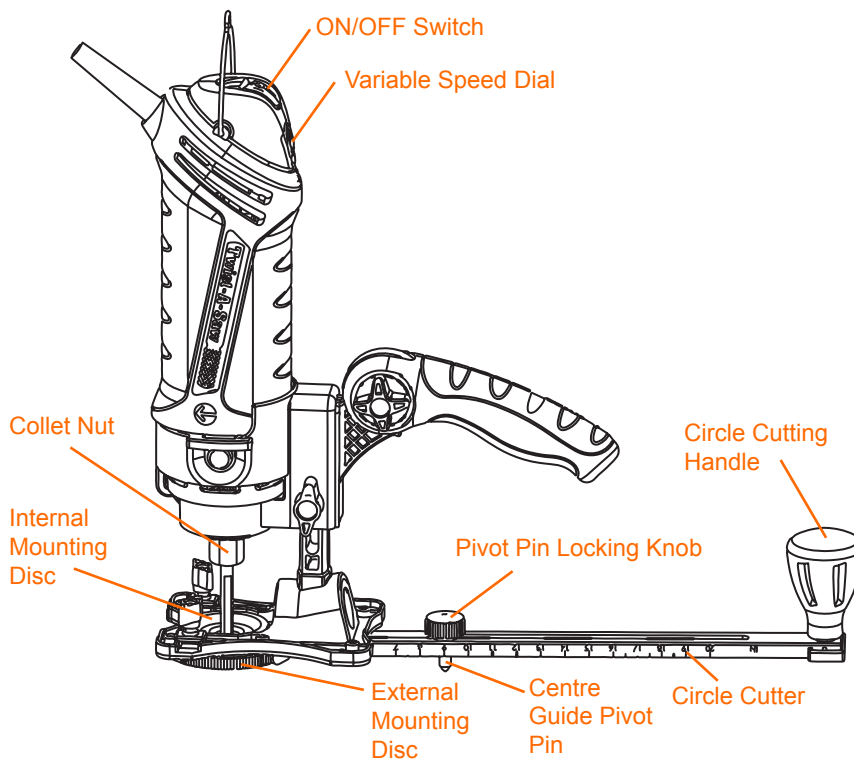
Twist-A-Saw™ Rotary Tool and Multi-Purpose Handle



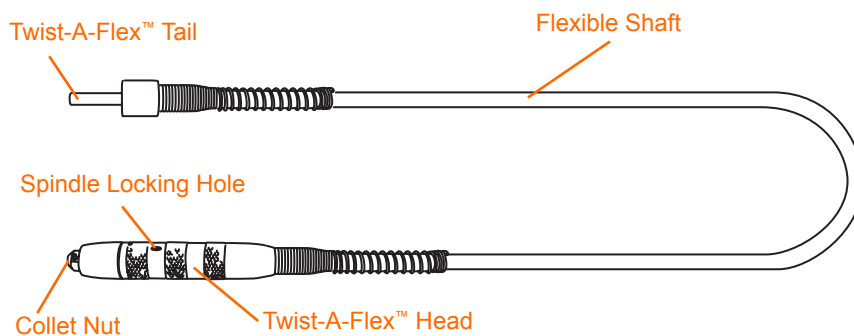


General

Twist-A-Saw™ Circle Cutter



Twist-A-Flex™ Rotary Tool Attachment





Setting up

Which parts do I need?

Before you set up the Twist-A-Saw™, you must first determine which components you need for your task.

Part	Description
Twist-A-Saw™ Rotary Tool	The Twist-A-Saw™ contains the motor, so this will always be used. The cutting bits are secured to the Twist-A-Saw™ with the collet and the collet nut .
Twist-A-Saw™ Multi-Purpose Handle with Depth Guide and Fence Guide	<p>Use the Multi-Purpose Handle with the Twist-A-Saw™ for a secure grip. Use one hand on the Twist-A-Saw™ Multi-Purpose Handle and the other hand on the Twist-A-Saw™ Rotary Tool. It keeps the tool square with the work surface.</p> <p>The Depth Guide is used to determine how far the cutting bits protrude from the Twist-A-Saw™.</p> <p>The Fence Guide allows you to cut in straight lines relative to an edge.</p>
Twist-A-Saw™ Circle Cutter	The Circle Cutter allows you to cut precise circles.
Twist-A-Saw™ Vacuum Hose	The Vacuum Hose connects your vacuum cleaner to the Twist-A-Saw™, ensuring dust is sucked directly into the vacuum for your safety.
Twist-A-Flex™ Rotary Tool Attachment	The Twist-A-Flex™ is a long flexible shaft that extends from the Twist-A-Saw™ to the rotary tool head. The cutting bits are attached to the rotary tool head, which you can hold in your hand, allowing you greater control for fine tasks. It should only be used with smaller cutters.



Setting up

Changing the collets

The cutting bits for Twist-A-Saw™ are secured with the collet nut and collet.

There are three sizes of collet depending on which cutting bits you are attaching:

- ✓ The Ø 6.35mm (Ø 1/4") collet secures the Ø 6.35mm (Ø 1/4") drywall/ plasterboard bit and small router bits.
- ✓ The Ø 3.2mm (Ø 1/8") collet secures the Ø 3.2mm (Ø 1/8") cutting bits.
- ✓ The Ø 4.76mm (Ø 3/16") collet secures the Ø 4.76mm (Ø 3/16") cutting bits.

Note: Ø is the symbol for 'diameter'.

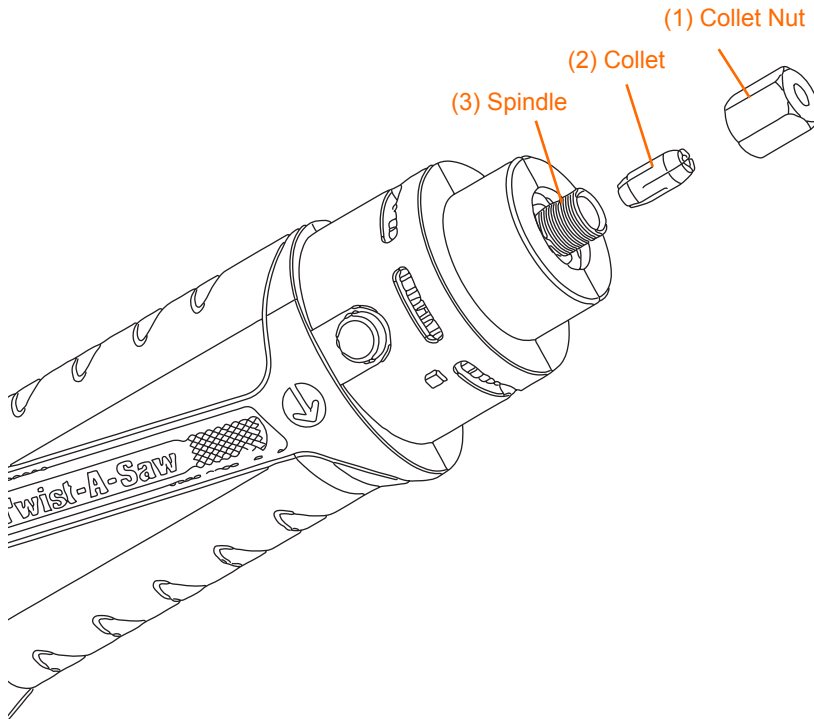
Follow the steps below to change the collets on your Twist-A-Saw™.

Part	Action
1	Remove any bits from the Twist-A-Saw™, if applicable. Refer to Installing cutting bits on page 28.
2	Turn the collet nut (1) counter-clockwise and remove it from the spindle (3).
3	Remove the collet (2) from the spindle and insert the new collet. Note: As each collet is the same on both ends, either end can be inserted into the spindle.
4	Replace the collet nut and lightly tighten by hand. Note: Tightening the collet nut without a bit in the collet will make the collet diameter smaller, which will make installing bits difficult. Leave the collet nut loose when storing Twist-A-Saw™ with no bit installed.



Setting up

Changing the collets





Setting up

Installing cutting bits

Follow the steps below to change the cutting bits on your Twist-A-Saw™.



Warning!

Cutting bits and router bits are extremely sharp. Handle with care.

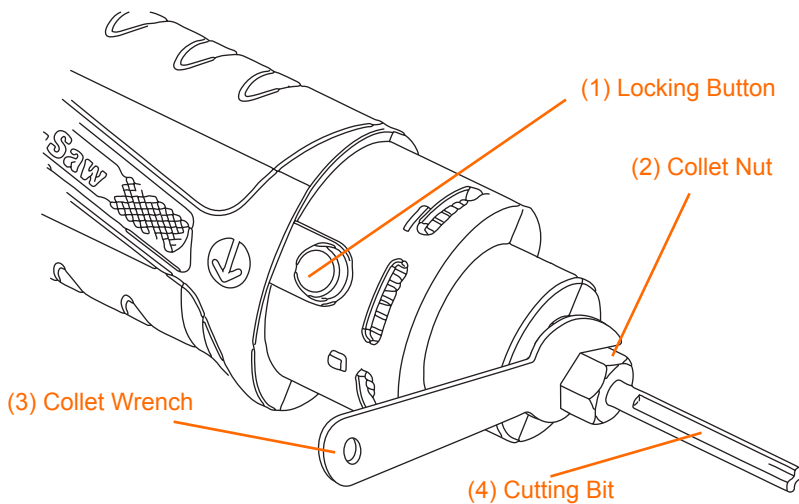
Part	Action
1	Remove plastic coating on cutting bit, if applicable.
2	Press on the spindle locking button (1). Rotate the collet nut (2) until the spindle locking button clicks into place. This prevents the spindle from turning.
3	Press down on the spindle locking button, and use the Ø 16mm (Ø 5/8") collet wrench (3) to turn the collet nut counter-clockwise. Loosen the collet nut several turns.
4	Remove existing bit if one is already in the collet.
5	<p>Insert the new cutting bit (4) fully into the collet, then pull it back between 1mm (1/32") and 3mm (1/8") to create an air space between the motor shaft and the bit. This helps protect the bit from overheating.</p> <p>Note: If the shank of the bit being installed is a different size to the bit being removed, install the correct collet. Refer to Changing the collets on page 26.</p>



Setting up

Installing cutting bits

Part	Action
6	Ensure the flutes (spirals) of the bit are fully visible outside the collet. Tightening the collet on the flutes can lead to broken bits and possible injury.
7	Once the bit is correctly placed in the collet, press down on the spindle locking button. Tighten the collet nut clockwise by hand as far as possible.
8	Use the Ø 16mm (Ø 5/8") collet wrench to tighten the collet nut securely.





Setting up

Attaching the Multi-Purpose Handle

Always use the Multi-Purpose Handle when operating your Twist-A-Saw™. Because Twist-A-Saw™ spins as it cuts it can 'pull' or 'drift' to the left. Operating the Twist-A-Saw™ with two hands combats this, giving you greater control and therefore greater accuracy when cutting.

Follow the steps below to attach the Multi-Purpose Handle to the Twist-A-Saw™.



Warning!

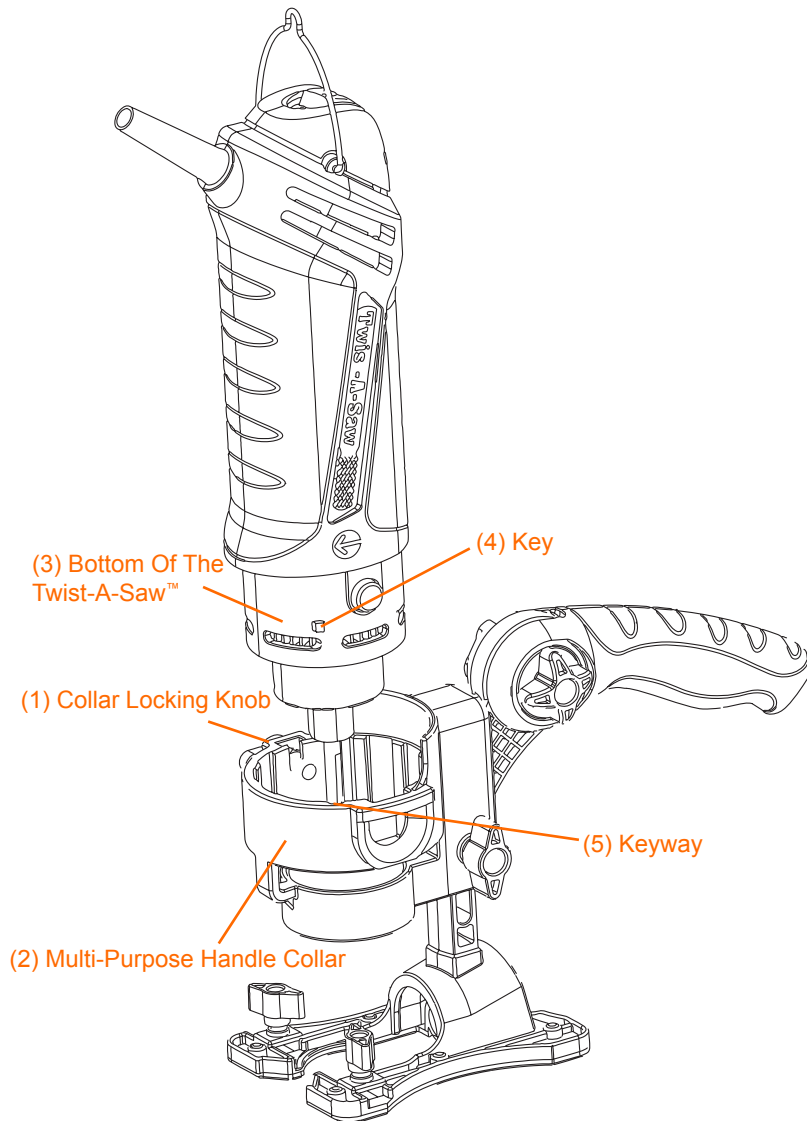
It is extremely dangerous to use the Twist-A-Saw™ without the Multi-Purpose Handle.

Part	Action
1	Loosen the collar locking knob (1).
2	Slide the Multi-Purpose Handle collar (2) onto the bottom of the Twist-A-Saw™ (3).
3	Align the key (4) on the motor housing with the keyway in the collar (5).
4	When the key and keyway are aligned, slide the collar completely onto the Twist-A-Saw™. Note: Push the Multi-Purpose Handle collar onto the Twist-A-Saw™ as far as it will go.
5	Lock the Multi-Purpose Handle collar onto the Twist-A-Saw™ by tightening the collar locking knob.
6	To remove the Multi-Purpose Handle , reverse this process.



Setting up

Attaching the Multi-Purpose Handle





Setting up

Adjusting the Comfort Control Grip

The Comfort Control Grip is adjustable so you can position it to where it is best suited for the job at hand.

Position the Comfort Control Grip:

- ✓ horizontally to use Twist-A-Saw™ as a regular jigsaw
- ✓ vertically or on an angle to use Twist-A-Saw™ for freehand cutting, or
- ✓ upside down to provide a more comfortable, practical grip, depending on the job.

Follow the steps below to adjust the Comfort Control Grip.



Warning!

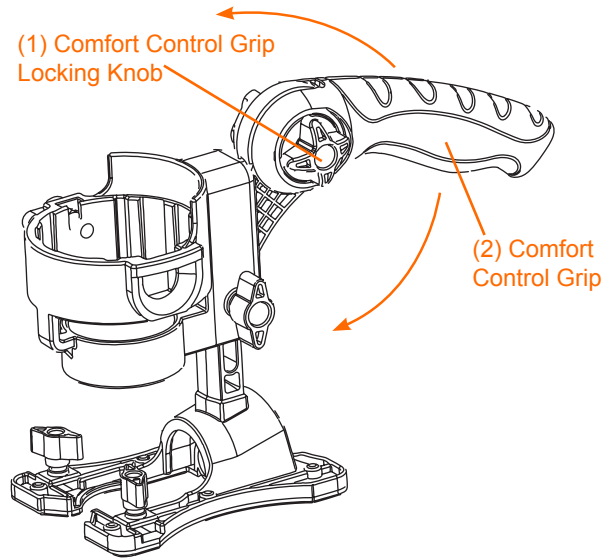
It is extremely dangerous to use the Twist-A-Saw™ without the Multi-Purpose Handle.

Part	Action
1	Loosen the Comfort Control Grip locking knob (1) until you can move the Comfort Control Grip up or down (2).
2	Adjust the Comfort Control Grip to the desired position.
3	Tighten the Comfort Control Grip locking knob.

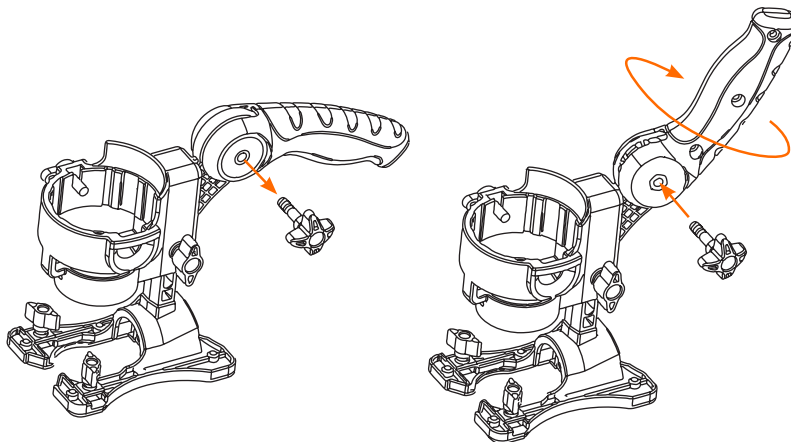


Setting up

Adjusting the Comfort Control Grip



Adjusting the Comfort Control Grip angle





Setting up

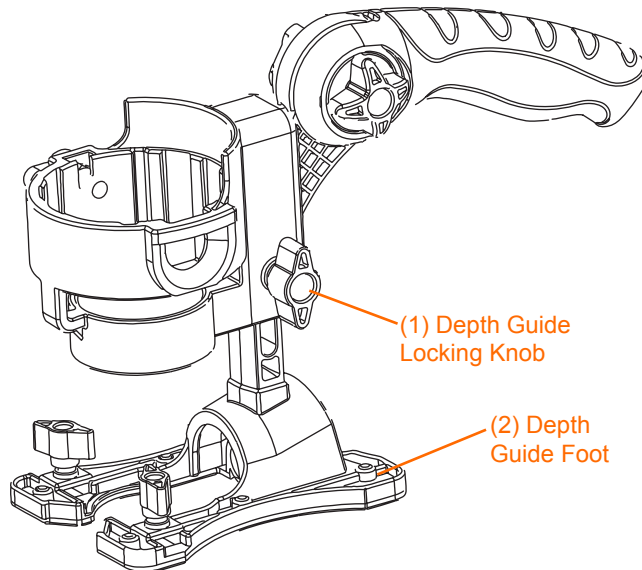
Adjusting the Depth Guide

The cutting bit should always extend past the depth guide foot by 4mm (3/16") more than the thickness of the material being cut.

Example: If you were to cut 10mm (3/8") plasterboard, the cutting bit should extend 14mm (9/16") past the bottom of the depth guide foot, and therefore 4mm (3/16") through the 10mm (3/8") plasterboard.

Follow the steps below to adjust the depth guide.

Part	Action
1	Loosen the Depth Guide locking knob (1). Slide the Depth Guide foot (2) up or down to set the desired depth.
2	Tighten the Depth Guide locking knob securely.
3	Re-check the bit depth before cutting. Ensure both the bit and the collet are securely fastened.





Setting up

Attaching the Circle Cutter

Follow the steps below to attach the Circle Cutter.

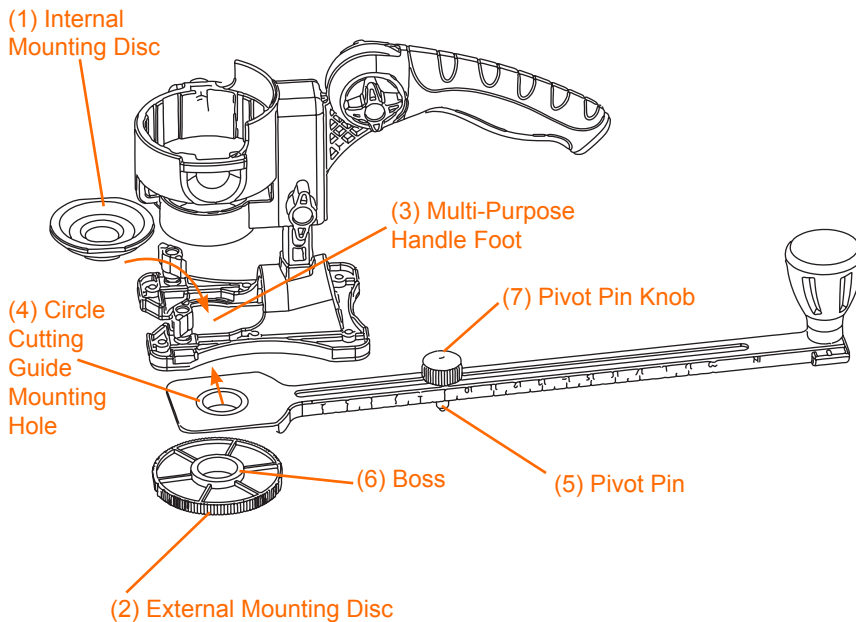
Part	Action
1	Fit the Multi-Purpose Handle. Refer to Attaching the Multi-Purpose Handle on page 30.
2	Adjust the Depth Guide depth. Refer to Adjusting the Depth Guide on page 34.
3	Unscrew the internal mounting disc (1) from the external mounting disc (2).
4	Place the internal mounting disc into the Multi-Purpose Handle foot (3). Note: Make sure the scallops of the internal mounting disc are seated correctly in the scallops of the Multi-Purpose Handle foot.
5	Place the circle cutting guide mounting hole (4) over the threaded portion of the internal mounting disc insert. Note: Make sure the pivot pin (5) is pointing downwards.
6	Attach the external mounting disc to the internal mounting disc. Hand-tighten. Note: Make sure the boss (6) of the external mounting disc goes through and sits firmly in the mounting hole. Hand-tighten only. Do not over-tighten.



Setting up

Attaching the Circle Cutter

Part	Action
7	Loosen the pivot pin knob (7). Slide the knob to set the circle radius and re-tighten.
8	Insert appropriate cutting bit in the collet and tighten. Refer to Installing cutting bits on page 28. Note: To check the circle radius setting, measure from the pivot pin to the outside of the bit.



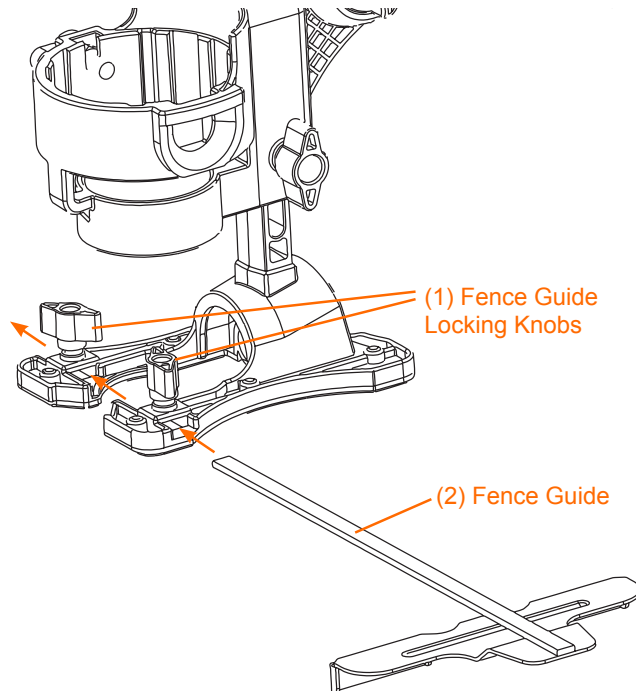


Setting up

Attaching the Fence Guide

Follow the steps below to attach the Fence Guide.

Part	Action
1	Loosen the adjustable Fence Guide locking knobs (1). There are two: one on each side of the Multi-Purpose Handle foot.
2	Slide the adjustable Fence Guide (2) into the Multi-Purpose Handle foot.
3	Set the adjustable Fence Guide depth and tighten the locking knobs.



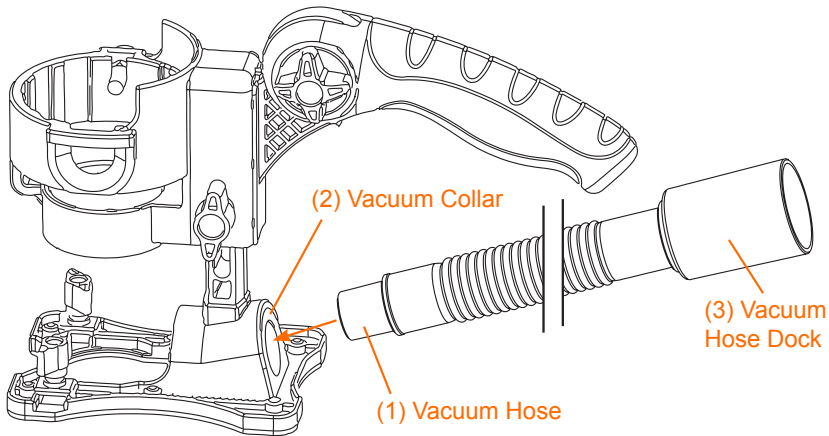


Setting up

Installing the Vacuum Hose

Follow the steps below to install the Vacuum Hose attachment.

Part	Action
1	Insert the Vacuum Hose (1) into the vacuum collar (2).
2	<p>Insert the nozzle of your vacuum cleaner into the Twist-A-Saw™ vacuum hose dock (3).</p> <p>Note: If your vacuum cleaner nozzle does not match the Twist-A-Saw™ vacuum hose dock, use a piece of irrigation hose as an adapter.</p>



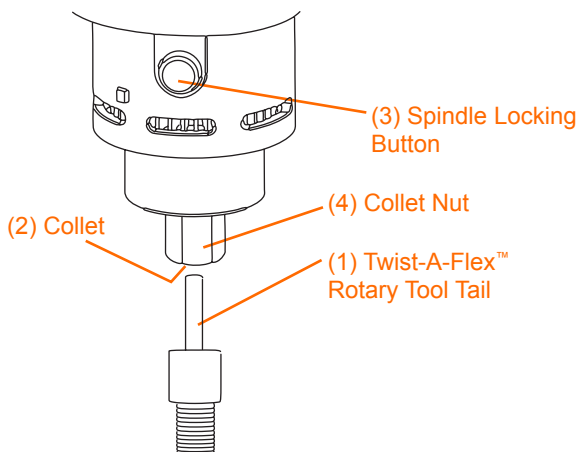


Setting up

Attaching the Twist-A-Flex™

Follow the steps below to attach the Twist-A-Flex™ Rotary Tool Attachment.

Part	Action
1	Switch Twist-A-Saw™ OFF and unplug it from the power source. Refer to Turning the Twist-A-Saw™ on and off on page 41.
2	Remove existing bit if one is already in Twist-A-Saw™.
3	Ensure the Ø 6.35mm (Ø 1/4") collet is in the spindle. Refer to Changing the collets on page 26.
4	Insert the Twist-A-Flex™ rotary tool tail (1) into the collet (2).
5	When the Twist-A-Flex™ rotary tool tail is correctly placed in the collet, press in the spindle locking button (3). Tighten the collet nut (4) clockwise by hand as far as possible.
6	Using the Ø 16mm (Ø 5/8") collet wrench, securely tighten the collet nut. DO NOT use excessive force when tightening.



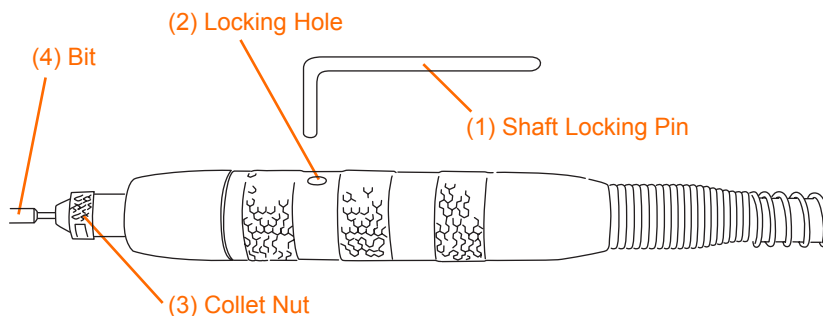


Setting up

Installing a bit in the Twist-A-Flex™

Follow the steps below to install a bit in the Twist-A-Flex™ Rotary Tool Attachment.

Part	Action
1	Insert the shaft locking pin (1) into the locking hole (2) in the Twist-A-Flex™ rotary tool head. This is to prevent the spindle from turning. Note: Repeat when unfastening.
2	Rotate the collet nut (3) with your fingers until the locking pin slips fully in place.
3	Loosen the collet nut.
4	Insert the bit (4) into the collet and tighten the collet nut with the Ø 10mm (Ø 3/8") collet wrench. Note: The Twist-A-Flex™ rotary tool has a Ø 4.76mm (Ø 3/16") collet that will take all accessories with a Ø 4.76mm (Ø 3/16") shank.
5	Rotate the collet by hand to make sure the installed bit does not wobble.



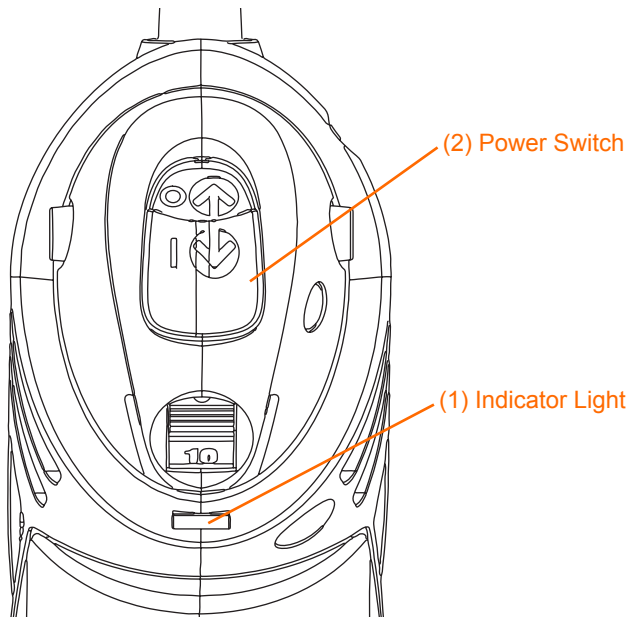


Using the Twist-A-Saw™

Turning the Twist-A-Saw™ on and off

Follow the steps below to turn your Twist-A-Saw™ on and off.

Part	Action
1	When Twist-A-Saw™ is connected to mains power the power indicator light (1) glows GREEN.
2	<p>The ON/OFF power switch (2) is located on the top of Twist-A-Saw™. To turn Twist-A-Saw™:</p> <ul style="list-style-type: none">• ON, push the switch out.• OFF, push the switch in. <p>Note: Twist-A-Saw™ has a soft start power switch for safety and control.</p>





Using the Twist-A-Saw™

Turning the Twist-A-Saw™ on and off

If Twist-A-Saw™ won't turn on

If the power indicator light turns red or starts flashing, or if the Twist-A-Saw™ will not start, refer to **Tips and troubleshooting** on page 54.



Using the Twist-A-Saw™

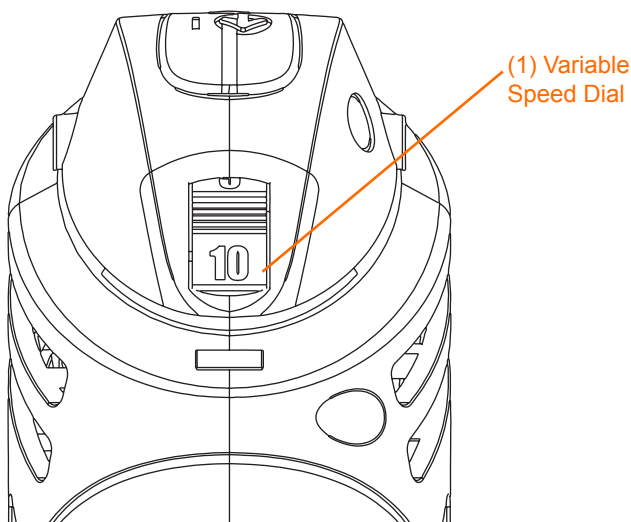
Changing the Variable Speed Dial

The Variable Speed Dial lets you change the speed that the bit turns in increments of 5,000 revolutions per minute (/min). The lowest setting is 5 (5,000/min) and the highest setting is 25 (25,000/min).

Follow the steps below to change the Variable Speed Dial.

Part	Action
1	To operate Twist-A-Saw™ at its lowest speed, turn the Variable Speed Dial (1) to 5.
2	To increase Twist-A-Saw™ speed, turn the Variable Speed Dial toward the ON/OFF switch. Maximum speed will be achieved at 25.

Tip: The harder the material, the slower the speed. Use slow speed for hardwood and hard materials. Use high speed for metal drill bits and grinding accessories.





Using the Twist-A-Saw™

Making practice cuts

Practice cuts can help avoid costly and disappointing mistakes. Before undertaking your first Twist-A-Saw™ project, practice cut on scrap material that is the same as the material you will use for that project. This will help you select the speed that will produce the smoothest cut.

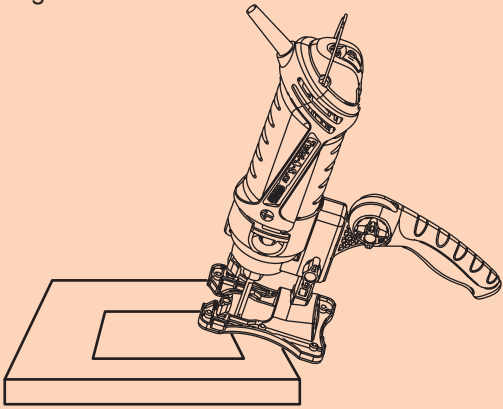

Follow the steps below to make a practice cut with your Twist-A-Saw™.

Part	Action
1	On scrap material, draw a guide or pattern similar to your intended project.
2	Fit the Multi-Purpose Handle. Refer to Attaching the Multi-Purpose Handle on page 30.
3	Fit the cutting bit into the collet. Refer to Installing cutting bits on page 28.
4	Adjust the Depth Guide depth. Refer to Adjusting the Depth Guide on page 34.
5	Set the Variable Speed Dial to the appropriate speed. Refer to Changing the Variable Speed Dial on page 43.



Using the Twist-A-Saw™

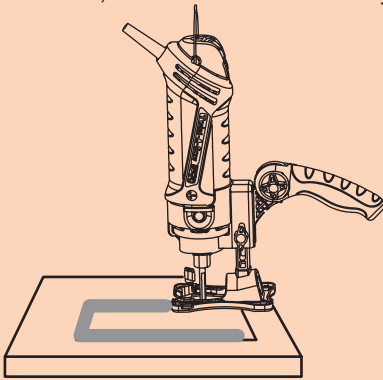
Making practice cuts

Part	Action
6	<p>Hold Twist-A-Saw™ firmly with both hands. Place the edge of the Multi-Purpose Handle foot on the workpiece at a 45° angle.</p>  <p>Note: DO NOT let the bit touch the workpiece until the power switch is ON and Twist-A-Saw™ is up to full speed.</p>
7	<p>Turn Twist-A-Saw™ ON.</p> <div> Warning! Make sure you are holding Twist-A-Saw™ firmly with two hands before turning the power switch ON. The starting torque will cause Twist-A-Saw™ to twist or jump to the left.</div>
8	<p>When the motor is running at full speed slowly tip Twist-A-Saw™ into an upright position, and let the bit plunge cut into the workpiece.</p>



Using the Twist-A-Saw™

Making practice cuts

Part	Action
9	<p>When the bit has cut through the workpiece, slowly move Twist-A-Saw™ in a clockwise direction. Let Twist-A-Saw™ do the work, and use slow and steady pressure as you cut.</p>  <p>Note: Always cut in a clockwise direction, except when cutting drywall/plasterboard.</p>
10	<p>When you have finished the cut, switch the Twist-A-Saw™ off. Wait until Twist-A-Saw™ has come to a complete stop and then remove it from the workpiece.</p>



Using the Twist-A-Saw™

Cutting outlet openings in drywall/plasterboard

Follow the steps below to cut outlet openings in drywall/plasterboard with your Twist-A-Saw™.



Warning!

DO NOT make cut-outs around any opening or fixture that has live electrical wires, or any wall that may have electrical wiring behind it.

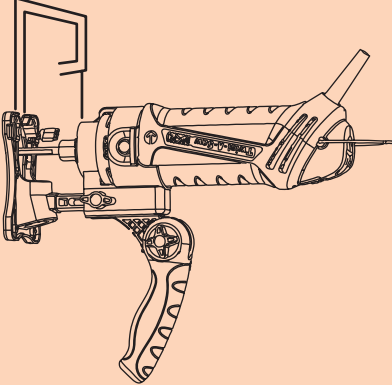
Make sure circuit breakers have been turned off or fuses removed to disconnect the electrical circuit in the area of work.

Part	Action
1	<p>Before installing drywall/plasterboard:</p> <ul style="list-style-type: none">• Push any wires back into outlet boxes as far as possible to avoid cutting them when cutting the opening with Twist-A-Saw™.• On the side facing you, mark the centre of the outlet on the sheet.
2	<p>Fit the Multi-Purpose Handle and cutting bit.</p> <p>Refer to Attaching the Multi-Purpose Handle on page 30 and Installing cutting bits on page 28.</p>
3	<p>Set the cutting bit depth so that it will extend 4mm past the thickness of the drywall/plasterboard.</p> <p>Refer to Adjusting the Depth Guide on page 34.</p>
4	<p>Hold Twist-A-Saw™ firmly with both hands and switch it ON.</p> <p>Refer to Turning the Twist-A-Saw™ on and off on page 41.</p>



Using the Twist-A-Saw™

Cutting outlet openings in drywall/plasterboard

Part	Action
5	<p>When running at full speed, plunge the bit through the drywall/plasterboard on the mark showing the centre of the outlet box. Follow the cutting pattern shown below.</p> 
6	<p>Slowly move the bit to the right until you feel and hear the bit touch the inside edge of the outlet box.</p>
7	<p>Tracing the inside edge of the box, move Twist-A-Saw™ upward. Maintain light pressure on the box edge. As you feel the bit reach the top right corner, move Twist-A-Saw™ to the left.</p>
8	<p>Maintain light pressure on the box edge, and continue to trace counter-clockwise around the box until the shape is cut.</p>
9	<p>When you have finished the cut, switch Twist-A-Saw™ off. Wait until Twist-A-Saw™ has come to a complete stop and then remove it from the workpiece.</p>



Using the Twist-A-Saw™

Using the Circle Cutter

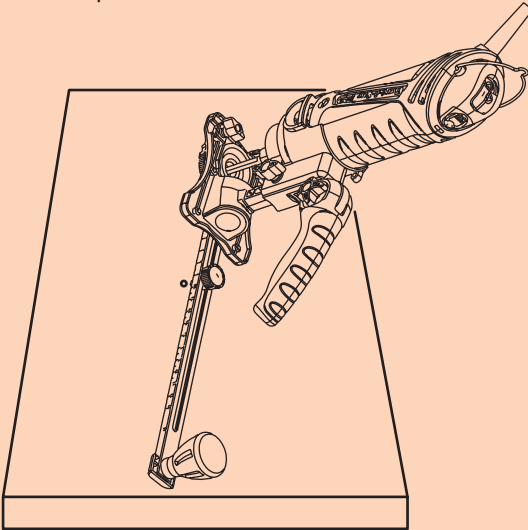
Follow the steps below to use the Circle Cutter to cut circles with your Twist-A-Saw™.

Part	Action
1	Mark the centre of the circle to be cut. Drill a Ø 4.76mm (Ø 3/16") pilot hole for the centre guide pivot pin.
2	Adjust the cutting bit so that it will extend 4mm (3/16") past the thickness of the workpiece. Refer to Adjusting the Depth Guide on page 34.
3	Loosen the pivot pin locking knob. Slide the locking knob to set the circle radius and re- tighten. Note: Re-check the circle radius setting by measuring from the centre guide pivot pin to the outside of the bit. Refer to Attaching the Circle Cutter on page 35.



Using the Twist-A-Saw™

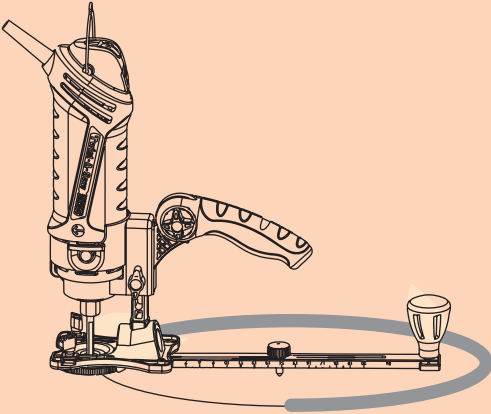
Using the Circle Cutter

Part	Action
4	<p>Place the edge of the Multi-Purpose Handle foot on the workpiece at a 45° angle. Align the centre guide pivot pin with the pilot hole.</p> 
5	<p>Switch Twist-A-Saw™ ON.</p> <p>Note: DO NOT let the bit touch the workpiece until Twist-A-Saw™ is up to full speed.</p>
6	<p>When the motor is running at full speed slowly tip Twist-A-Saw™ into an upright position and let the bit cut into the workpiece.</p> <p>Make sure the pivot pin enters and remains in the pilot hole.</p>



Using the Twist-A-Saw™

Using the Circle Cutter

Part	Action
7	<p>When the bit has cut through the workpiece, slowly move Twist-A-Saw™ in a clockwise direction. Let Twist-A-Saw™ do the work, and use slow and steady pressure as you cut.</p> 
8	<p>Cut the circle, keeping Twist-A-Saw™ upright and the Multi-Purpose Handle foot flat on the material. Carefully rotate the Circle Cutter handle and Twist-A-Saw™ around the centre guide pivot pin.</p>
9	<p>When you have finished the cut, switch Twist-A-Saw™ off. Wait until Twist-A-Saw™ has come to a complete stop and then remove it from the workpiece.</p>



Using the Twist-A-Saw™

Using the Twist-A-Flex™ Rotary Tool Attachment

Follow the steps below to use the Twist-A-Flex™ Rotary Tool Attachment on your Twist-A-Saw™.



Warning!

Always hold on to the Twist-A-Flex™ rotary tool head when it is turned on. Failure to do so means the Twist-A-Flex™ can thrash about and may cause serious injury.

Part	Action
1	Fit the correct cutting bit for your task into the collet. Refer to Installing cutting bits on page 28.
2	Hold on to the rotary tool head, being careful not to touch the bit, and turn the Twist-A-Saw™ on. Refer to Turning the Twist-A-Saw™ on and off on page 41.
3	Hold the Twist-A-Flex™ like a pencil to etch, grind or polish the workpiece, as required. Note: When etching and engraving, etch with the side of the bit, not the tip.

Note: If you can, avoid laying Twist-A-Saw™ on the workbench while working with the Twist-A-Flex™. Use the hanging loop on the top of Twist-A-Saw™ to hang Twist-A-Saw™ higher than your workpiece. This enables a straighter Twist-A-Flex™ rotary tool shaft, which means it will operate more efficiently. You also lessen the chance of the shaft overheating.



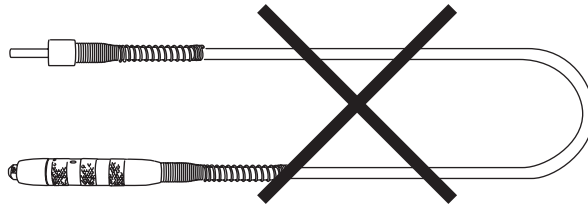
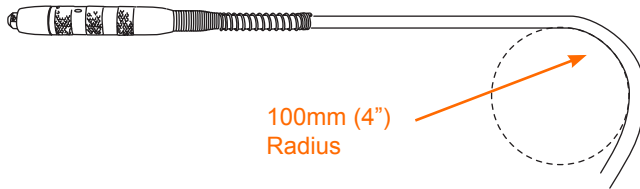
Using the Twist-A-Saw™

Using the Twist-A-Flex™ Rotary Tool Attachment



Warning!

- Never bend the Twist-A-Flex™ rotary tool shaft to a radius of less than \varnothing 100mm (\varnothing 4") when operating, otherwise overheating can occur.
- Whenever possible, store the Twist-A-Flex™ without bends.
- Never bend the head of the Twist-A-Flex™ rotary tool excessively. If overheating occurs, stop immediately.



Tips and troubleshooting

Choosing the right speed

- ✓ Remember, speed is relevant to what you are cutting.
- ✓ It's easy to increase speed, so if in doubt, start slow.
- ✓ Using the right speed will protect and prolong the life of Twist-A-Saw™ bits. Applying too much pressure or speed will raise the temperature of the bit and shorten its life.
- ✓ Listen to Twist-A-Saw™ and how it is coping with the load when deciding to change speed.
- ✓ The Twist-A-Bits workshop guide lists the recommended speeds for each bit. These are guides only and must be adjusted according to the characteristics of the material being cut.

Cutting tips

- ✓ Always use two hands on Twist-A-Saw™ for greater control and to prevent the bit 'popping out' of the workpiece.
- ✓ Material thickness must never exceed the length of the cutting flutes.
- ✓ When cutting a hole in vertical material, always start and end the cut at the top of the hole, not at the bottom. This ensures that the cut-out will fall away from the rotating bit.
- ✓ Always cut in a clockwise direction, except when cutting drywall/ plasterboard. If you cut in a counter-clockwise direction, Twist-A-Saw™ can 'run away' from you.
- ✓ Because the bit rotates, there is a slight pull to the left when cutting. Natural differences in wood structure can cause the bit to 'drift'. If too much pressure is applied, this effect will be increased.
- ✓ When glass etching with the Twist-A-Flex™, consider resting the item on a wheat bag to provide a steady work platform.



Tips and troubleshooting

Power indicator light

If the power indicator light turns red or starts flashing, use the table below to determine what to do next.

Power indicator light	Reason	How to fix
Power indicator light flashes red and green	Spindle has become locked or overloaded	Turn the power switch off, unplug the power cord from the power outlet, remove the Twist-A-Saw™ from the work piece and let the Twist-A-Saw™ cool down before turning back on.
Power indicator light turns red	Vents are blocked or motor has become overheated	Turn the power switch off, unplug the power cord from the power outlet and remove the Twist-A-Saw™ from the workpiece. Ensure vents are clear and let the Twist-A-Saw™ cool down for half an hour before turning back on.
Power indicator light flashes green	Switch was accidentally left ON when Twist-A-Saw™ was plugged into electrical socket	Turn the power switch off and remove Twist-A-Saw™ from the workpiece, then turn the switch back on.

Twist-A-Saw™ Care

Cleaning

- ✓ Remove accumulated dust and debris regularly using a soft DRY brush.
- ✓ Do not use any liquids or flammable substances to clean your Twist-A-Saw™. These substances may damage the Twist-A-Saw™. Use a clean cloth to remove dirt, dust, oil, grease, and before grease.
- ✓ Use safety goggles when using an air jet to blow dust out of Twist-A-Saw™. Keep air vents clean and unobstructed to allow maximum airflow through the tool.

Storage

- ✓ Always store Twist-A-Saw™ in a safe, dry place. Keep the motor ventilation slots and controls clear of dust and other debris.



Twist-A-Saw™ Care

Service and repairs

- ✓ When servicing, use only identical replacement parts. The use of any other part may create a hazard or cause damage to the product.
- ✓ DO NOT attempt to modify Twist-A-Saw™ or create accessories. Any such alteration, modification or unintended use is misuse and could result in a hazardous condition leading to possible serious injury. It will also void the warranty.
- ✓ All of the bearings in this tool are lubricated with a sufficient amount of high-grade lubricant for the life of the unit under normal conditions. Therefore, no further lubrication is required.
- ✓ Remove the power cord from the power socket before carrying out any servicing, adjustments or maintenance to Twist-A-Saw™ or attached accessories.
- ✓ There are no user-serviceable parts in Twist-A-Saw™.
- ✓ If the power supply cord is damaged, you must have it replaced immediately by the manufacturer or an approved service agent.
- ✓ Sparks may occasionally be seen through the ventilation slots. This is normal and will not damage your power tool or cause injury to you.
- ✓ This Twist-A-Saw™ product is guaranteed in accordance with statutory/ country-specific regulations; damage due to normal wear and tear, overload or improper handling will be excluded from the guarantee.
- ✓ In case of a complaint, send the tool undismantled together with proof of purchase to your dealer.

Warranty

Your warranty is subject to the following conditions:

- **DO NOT** operate the Product with a damaged plug or cord, or if the unit has been dropped, damaged or dropped in water. To avoid the risk of electric shock, do not disassemble or attempt to repair the appliance on your own. If the supply cord is damaged, **it must be replaced by a qualified electrician in order to avoid a hazard**. Incorrect re-assembly or repair can cause a risk of electric shock or injury to persons when the appliance is used.
- The item has not been misused, abused, neglected, altered, modified or repaired by anyone.
- The item has been subjected to normal wear and tear.
- The item has not been used for trade, professional or hire purposes.
- The item has not sustained damage.

Your warranty does not cover;

Your warranty is subject to the following conditions:

- Components that are subject to natural wear and tear caused by normal use in accordance with operating instructions.
- Unauthorized or improper maintenance or handling or overload.
- Accessories that are supplied with this item.

This warranty applies only to the original purchaser and may not be transferred.

For guarantee claims, you will need to submit a proof of purchase in the form of a valid receipt that displays date and place of purchase.



Disposal / Declaration Of Conformity / Manufacturers



DO NOT DISPOSE OF ELECTRIC TOOLS IN THE GARBAGE

According to European Directive 2012/19/EU, with reference to waste electronic, electrical equipment and tools, and its transposition to the National Legislation. Worn out electric power tools must be collected separately and taken for environmentally compatible recycling.

Contact your local authority for recycling of used electric appliances and tools.

NOISE AND VIBRATION

Measured values for noise are determined in accordance to EN 60745.

The sound pressure level of the electrical power tool, determined with filter A, amounts to:

Sound pressure level: 78 dB (A)

Sound Power Level: 89 dB (A).
Uncertainty K = 3dB



Wear ear protection;

The total vibration values (vector sum of three directions) is calculated in accordance to EN 60745:

Vibration emission value = 1.3 m/s²,
Uncertainty K = 1.5 m/s²

DECLARATION OF CONFORMITY C €

The manufacturer declare that the product Twist-A-Saw™ JD3361 is in compliance with the following standards, normative documents and in accordance with EU directives:

Regulation (EC) REACH No:
1907/2006

WEEE Directive:
2012/19/EU

RoHS² Directive:
2011/65/EC

Machinery Directive:
2006/42/EC

EMC Directive:
2004/108/EC

Applicable Harmonized Standards
EN60745-2-17:2010
EN60745-1:2009+A11
EN 55014-1:2006+A1+A2
EN 55014-2:1997+A1+A2
EN 61000-3-2:2006+A1+A2
EN 61000-3-3:2013

Type/Device description:

Multi tools
Model No. JD3361

Twist-A-Saw™ manufacturer reserves the right to make technical modifications in the course of further product development.



Technical data

Model No.: JD3361

Rated: Voltage 230-240V

Speed: 5,000 – 25,000/min

Rated Frequency: 50Hz

Protection Class: Double Insulation

Power: 550Watts

Weight: 1kg

Made in China







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