

The
Renovator

Twist-A-Mini™



SAFETY AND OPERATING MANUAL

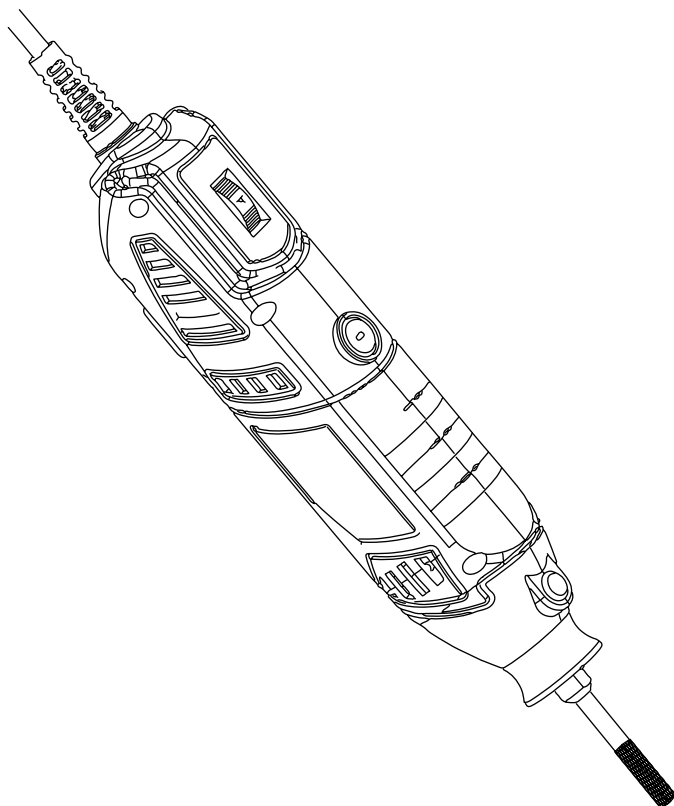
FOR THE MINI KIT



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Welcome

About this manual

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

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

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.

Example: 6.35mm = approximately 1/4".

Mini Kit

The Mini Kit includes 174 rotary accessories. See the Twist-A-Bits workshop guide or the rotary accessories case insert for details.

Support

If you experience problems with the Twist-A-Mini™ rotary tool or its performance, please call our Customer Service Team for assistance:

- ✓ 1800 890 840 in Australia
- ✓ 0800 002 999 in New Zealand
- ✓ 1800 200 3111 in United States

For more information and the instructional video, please visit our websites:

- ✓ www.twistamini.com
- ✓ www.twistamini.com.au
- ✓ www.twistamini.co.nz



Or scan this QR code to go straight to the Twist-A-Mini™ instructional video.

Safety

Safety first!

Your Twist-A-Mini™ is an advanced power tool. Your enjoyment will rely on observing a high level of personal safety as well as protecting the safety of others.

This section sets out important safety guidelines for operating your Twist-A-Mini™.

Work area safety

Follow the guidelines below to ensure your work area is safe to use the Twist-A-Mini™.

Safety guidelines

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Safety

Electrical safety

Follow the guidelines below to prevent electric shock when using the Twist-A-Mini™.

Recommendation: Power to the tool should always be supplied via a residual current device with a rated residual current of 30mA or less.

Safety guidelines

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with the Twist-A-Mini™.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.
- Do not expose power tools to rain or wet conditions. If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use.
- 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.
- Hold the Twist-A-Mini™ by the insulated grip when working where hidden wiring may exist or where the power cords may lie. Electric shock may result when metal parts of the Twist-A-Mini™ make contact with 'live' wires.
- Always inspect walls and ceilings to avoid possible hidden power cables and pipes.
- Inspect power cords and plugs before using the Twist-A-Mini™. If any damage is apparent, have it repaired first.
- Always use extension cords that are in good condition. Don't exceed 25 metres (80 ft) or you may cause damage to the tool.

Safety

Personal safety

Follow the guidelines below to ensure your personal safety while operating the Twist-A-Mini™.

Safety guidelines

- Stay alert, watch what you are doing and use common sense when operating the Twist-A-Mini™. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.
- Use personal protective equipment. Always wear eye protection and ear protection. If operating in a dusty environment, wear a dust mask (see next page).
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source, picking up or carrying the tool.
- Remove any adjusting key or wrench before turning the Twist-A-Mini™ on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times.
- Dress properly. Loose clothes, gloves, jewellery or long hair can be caught in moving parts.
- Keep your hands clear of the work.

Safety

Dust safety

Some dust created by Twist-A-Mini™ from sanding, grinding, drilling, etching and other activities on certain materials may contain chemicals known to cause cancer, birth defects or other harm.

Some examples of these chemicals are:

- ✓ Lead from lead-based paint.
- ✓ Crystalline silica and asbestos from bricks, cement and other masonry products.
- ✓ Arsenic, boron and chromium from chemically treated timber.

Follow the guidelines below to ensure your personal safety from dust while operating the Twist-A-Mini™.

Safety guidelines

- Always work in a well-ventilated area.
- Use dust masks specifically designed to filter microscopic particles as well as other approved safety equipment.
- Avoid long periods of exposure to dust from sanding, grinding, drilling, etching and other construction activities.
- Wear protective clothing and wash exposed areas with soap and water.
- Do not allow dust to get into your mouth, eyes or on exposed skin. This may promote the absorption of harmful chemicals.
- Direct dust particles away from your face and body.

Safety

Power tool use and care

Follow the guidelines below when operating your Twist-A-Mini™.

Safety guidelines

- 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 by an authorised service technician.
- Disconnect the plug from the power source before making any adjustments, changing accessories or storing power tools. This reduces the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children and do not allow people unfamiliar with the Twist-A-Mini™ or these instructions to operate the power tool.
- Maintain power tools. If any part is missing or damaged, do not plug Twist-A-Mini™ into the power source until the missing part or damaged part is replaced.
- Have your Twist-A-Mini™ serviced only by an authorised service technician.
- 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.
- Only use accessories that are recommended for Twist-A-Mini™.
- Never use the Twist-A-Mini™ around flammable or volatile substances or use any volatile substance to clean the Twist-A-Mini™.

Technical Data

Australia & New Zealand

Rated: Voltage 220-240V

Rated Frequency: 50Hz

Power: 160Watts

Speed: 8,000 – 35,000/min

Protection Class: Double Insulation

Weight: 1kg

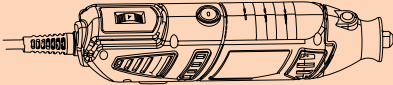
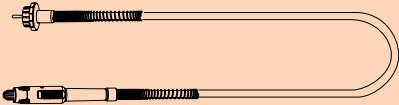
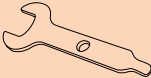
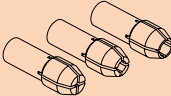


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What's included?

Twist-A-Mini™ components

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

Part	Description	
A	Twist-A-Mini™ rotary tool	
B	Twist-A-Flex™ rotary tool attachment	
C	10mm (3/8") Twist-A-Flex™ Collet Wrench	
D	6.35mm (1/4") Collet	
E	4.76mm (3/16") Collet	
F	3.2mm (1/8") Collet	

Continued on next page...

What's included?

Accessories & Twist-A-Bits workshop guide

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

This handy workshop guide will help you to quickly match the right bit and recommended speed to the material on which you are working.

Pin this on your workshop wall, or keep it somewhere safe.

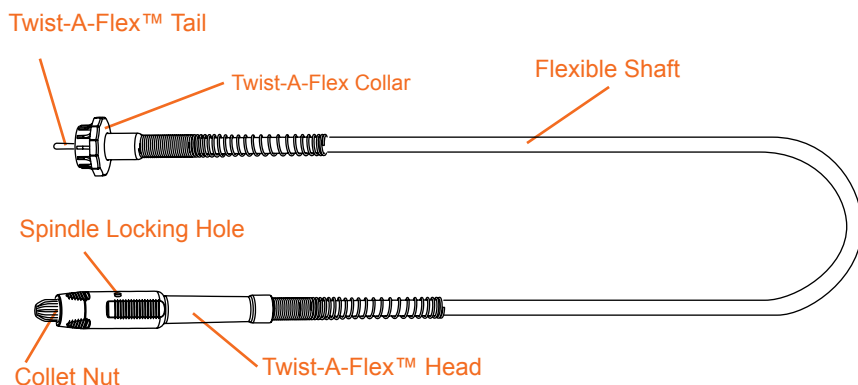
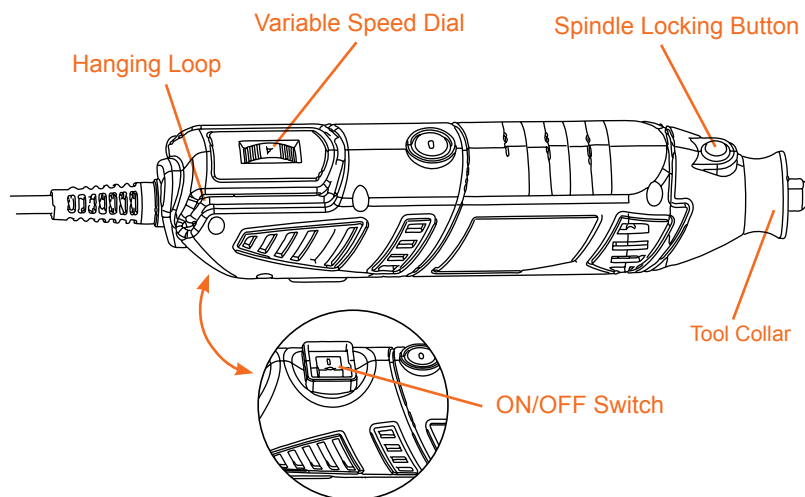


Note: All components and accessories listed in this manual are manufactured using metric measurements. The metric and imperial comparisons in this manual are approximate (1mm = approximately 1/32"). We recommend you use the standard imperial size that is closest to the metric size shown.

What's included?

Parts of the Twist-A-Mini™

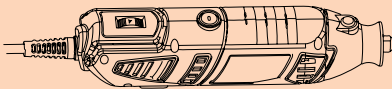
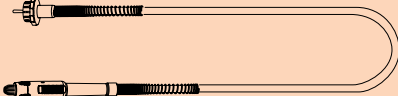
The following diagrams show the labelled parts of the Twist-A-Mini™ rotary tool and Twist-A-Flex™ rotary tool attachment.



Setting up

Which parts do I need?

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

Part	Description
	The Twist-A-Mini™ contains the motor, so this will always be used. The bits are secured to the Twist-A-Mini™ with the collet and nut.
	Twist-A-Flex™ rotary tool attachment The Twist-A-Flex™ is a long flexible shaft that extends from the Twist-A-Mini™ to the rotary tool head. The bits are attached to the rotary tool head, which you can hold in your hand like a pencil, allowing you greater control for fine tasks.

Setting up

Changing the collets

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

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

Note: Ø is the symbol for 'diameter'.

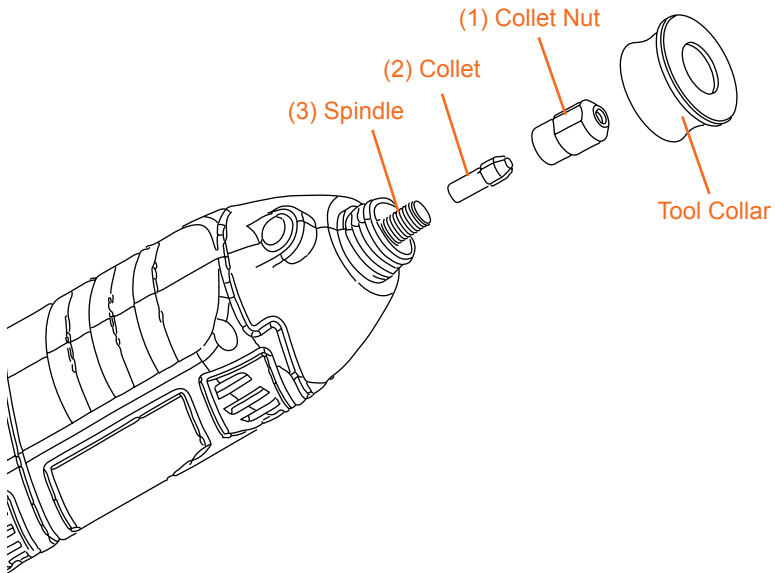
Follow the steps below to change the collets on your Twist-A-Mini™.

Part	Action
1	Remove any bits from the Twist-A-Mini™ if applicable. Refer to Installing bits on page 16.
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-Mini™ with no bit installed.

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Setting up

Changing the collets



Setting up

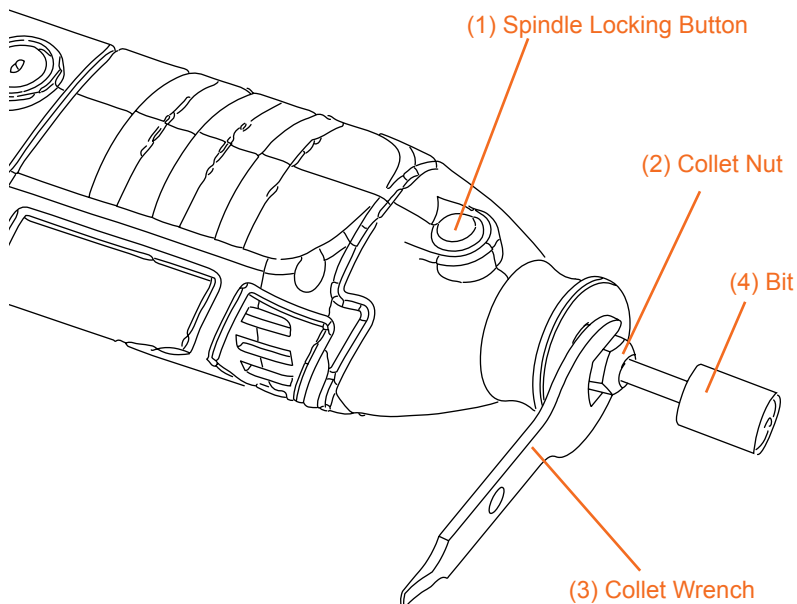
Installing bits in the Twist-A-Mini™

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

Part	Action
1	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.
2	Press down on the spindle locking button, and use the Ø 10mm (Ø 3/8") collet wrench (3) to turn the collet nut counter-clockwise. Loosen the collet nut several turns.
3	<p>Remove existing bit if one is already in the collet.</p> <p>Insert the new 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 14.</p>
4	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.
5	Use the Ø 10mm (Ø 3/8") collet wrench to tighten the collet nut securely.

Setting up

Installing bits in Twist-A-Mini™



Setting up

Installing the Twist-A-Flex™

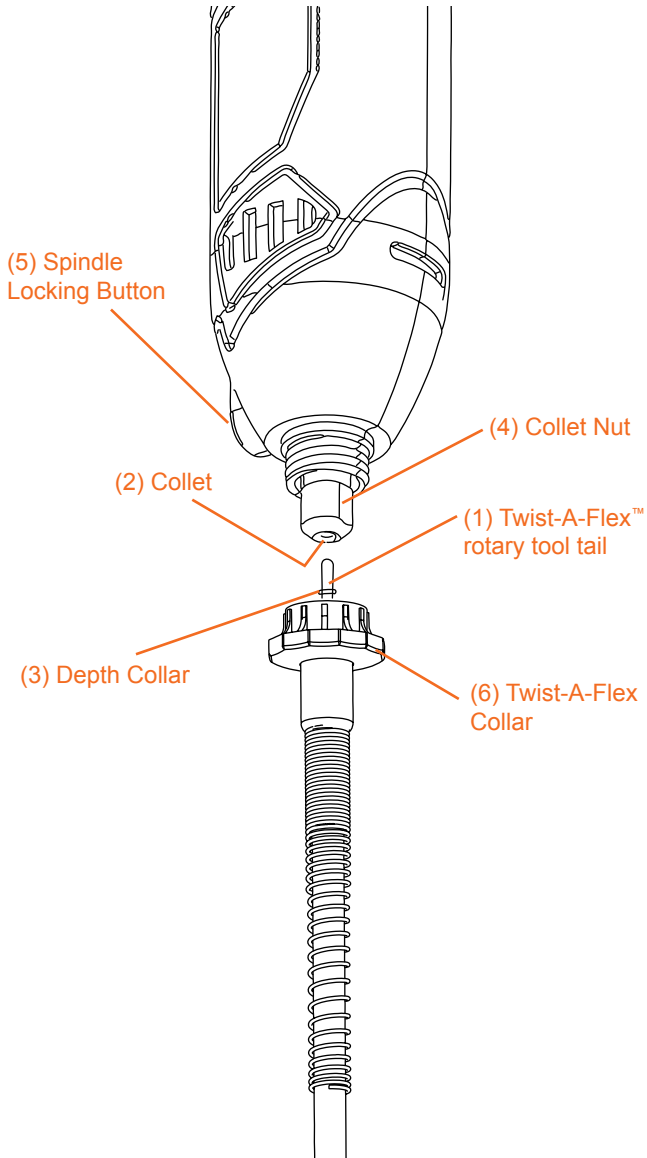
Part	Action
1	Switch Twist-A-Mini™ OFF and unplug it from the power source. Refer to turning the Twist-A-Mini™ on and off on page 21.
2	<p>Remove the existing bit if one is already in Twist-A-Mini™.</p> <p>Undo the tool collar and remove. refer to page 15.</p> <p>Ensure the largest diameter collet is in the spindle. Refer to changing collets on page 14.</p>
3	Insert the Twist-A-Flex™ rotary tool tail (1) all the way into the collet (2) until the depth collar (3) is flush against the collet nut (4).
4	When the Twist-A-Flex™ rotary tool tail is correctly placed in the collet, press the spindle locking button (5) and rotate the collet nut clockwise until the spindle locking button clicks into place. Tighten the collet nut clockwise by hand as far as possible.
5	Using the 10mm collet wrench, securely tighten the collet nut. DO NOT use excessive force when tightening.
6	Slide the Twist-A-Flex™ collar on to the Twist-a-Mini™ and tighten the Twist-A-Flex™ collar (6) clockwise by hand. Do not over-tighten.

Warning!

When it is not connected to the Twist-A-Mini™, avoid holding the Twist-A-Flex™ upside-down as the driveshaft will fall out.

Setting up

Installing the Twist-A-Flex™

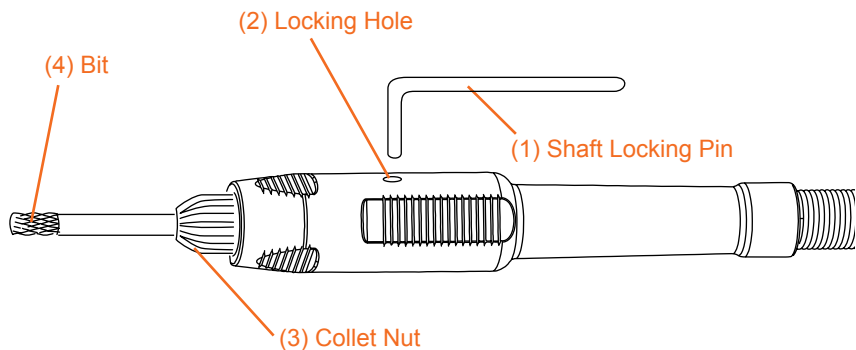


Setting up

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-Mini™

Instructional Video

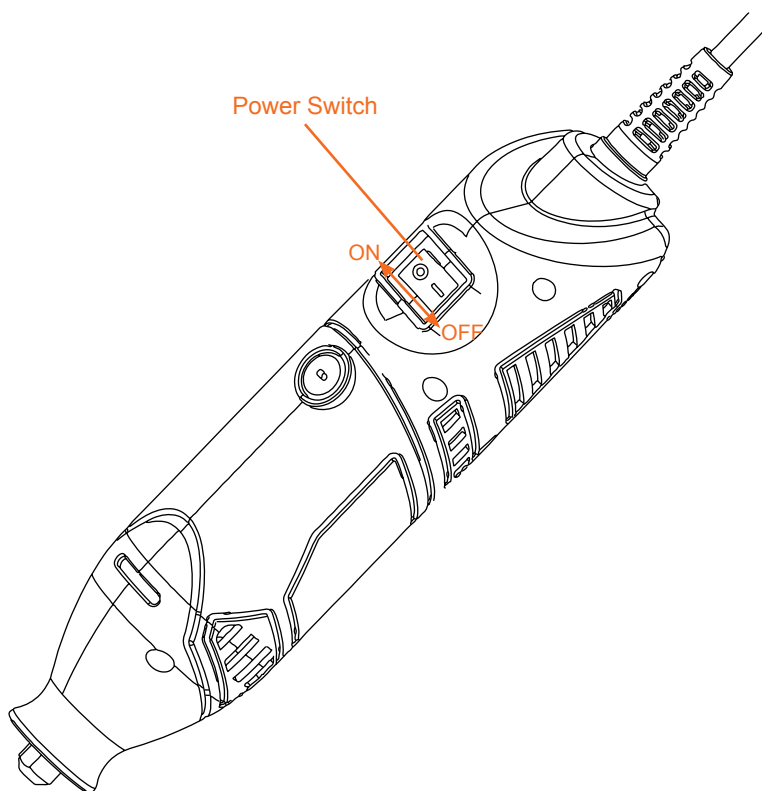
For more information and the instructional video, please visit our websites:

- ✓ www.twistamini.com/instructionalvideo
- ✓ www.twistamini.com.au/instructionalvideo
- ✓ www.twistamini.co.nz/instructionalvideo



Or scan this QR code to go straight to the Twist-A-Mini™ instructional video.

Turning the Twist-A-Mini™ on and off



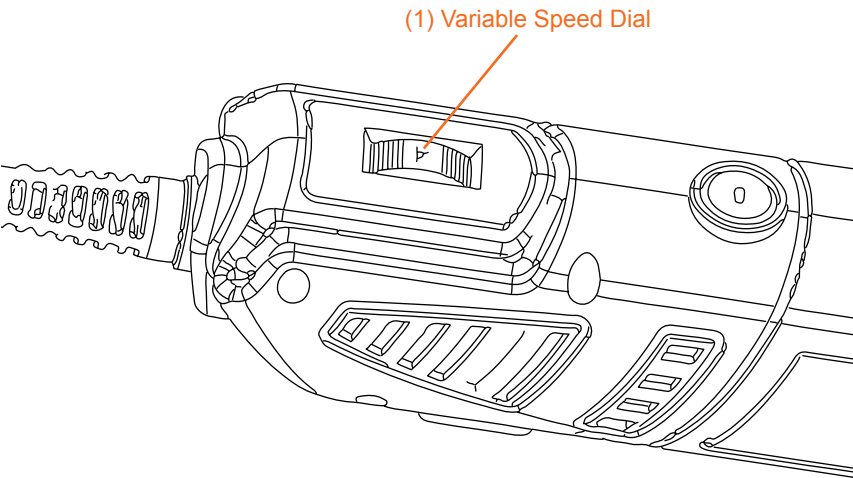
Using the Twist-A-Mini™

Changing the Variable Speed Dial

Twist-A-Mini™ does 8,000 to 35,000 revolutions or reciprocations per minute (/min). The lowest setting is 1 (8,000/min) and the highest setting is 6 (35,000/min).

Part	Action
1	To operate Twist-A-Mini™ at its lowest speed, turn the Variable Speed Dial (1) to 1.
2	To increase Twist-A-Mini™ speed, turn the Variable Speed Dial from 1 to 2, 2 to 3, and so on. Maximum speed will be achieved at 6.

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-Mini™

Practice etching and grinding

Practice can help avoid costly and disappointing mistakes. Before undertaking your first Twist-A-Mini™ project, practice 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 best result.

Follow the steps below to practice with your Twist-A-Mini™.

Part	Action
1	On scrap material, draw a guide or pattern similar to your intended project.
2	Fit the selected bit into the collet. Refer to Installing bits on page 16.
3	Set the Variable Speed Dial to the appropriate speed. Refer to Changing the Variable Speed Dial on page 22.
4	Hold Twist-A-Mini™ firmly with both hands. Take care not to block the air vents. Use a light touch. Let the Twist-A-Mini™ do the work. You just need to guide the tool.

Using the Twist-A-Flex™

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-Mini™.

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 bit for your task into the collet. Refer to Installing bits on page 16.
2	Hold on to the rotary tool head, being careful not to touch the bit, and turn the Twist-A-Mini™ ON. Refer to Turning the Twist-A-Mini™ on and off on page 21.
3	Hold the Twist-A-Flex™ like a pencil to etch, grind or polish the workpiece. Note: When etching and engraving, etch with the side of the bit, not the tip. Note: If you can, avoid laying Twist-A-Mini™ on the workbench while working with the Twist-A-Flex™. Use the hanging loop on the top of Twist-A-Mini™ to hang Twist-A-Mini™ 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.

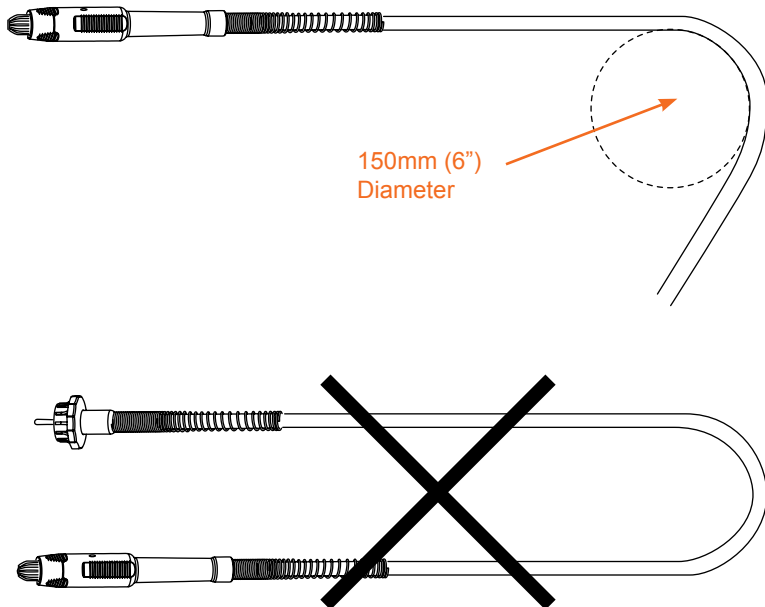
Using the Twist-A-Mini™

Using the Twist-A-Flex™ rotary tool attachment

Warning!

Never bend the Twist-A-Flex™ rotary tool shaft to a diameter of less than Ø 150mm (Ø 6") when operating, otherwise overheating can occur.

Whenever possible, store the Twist-A-Flex™ without bends.



Tips and troubleshooting

Choosing the right speed

- ✓ Remember, speed is relevant to what you are etching, grinding or polishing.
- ✓ 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-Mini™ bits. Applying too much pressure or speed will raise the temperature of the bit and shorten its life.
- ✓ Listen to Twist-A-Mini™ 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.

Tips

- ✓ When glass etching with the Twist-A-Flex™, consider resting the item on a wheat bag to provide a steady work platform.

Looking after your Twist-A-Mini™

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-Mini™. These substances may damage the Twist-A-Mini™. Use a clean cloth to remove dirt, dust, oil, grease, etc.
- ✓ Use safety goggles when using an air jet to blow dust out of Twist-A-Mini™. Keep air vents clean and unobstructed to allow maximum airflow through the tool.

Storage

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

Servicing 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-Mini™ 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.

Looking after your Twist-A-Mini™

Servicing and repairs

- ✓ Remove the power cord from the power socket before carrying out any servicing, adjustments or maintenance to Twist-A-Mini™ or attached accessories.
- ✓ There are no user-serviceable parts in Twist-A-Mini™.
- ✓ 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.

Warranty

Two (2) year limited replacement warranty statement

If your product (the “Product”) becomes defective due to faulty material or workmanship within a period of 2 years from the date of purchase, we warrant to do the following:

We will replace the Product with a new product, free of charge, or repair the product at our cost, at our discretion.

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:

- 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.

Replacement items will be covered by the limited warranty for the balance of the warranty period from the date of the original purchase.

Continued on next page...

Warranty

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.

Please note: Only the defective product or parts returned to place of purchase will be replaced under this warranty.

Dispute Resolution:

In the unlikely event that you have a dispute with us regarding the Product or this Limited Warranty, you agree that any claim or dispute in connection with the Product or this Limited Warranty shall be resolved in a cost effective manner through binding arbitration. The arbitration shall be instated through an established alternative dispute resolution provider mutually agreed upon by the parties.

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Warranty

Australia Contact

Brand Developers Aust Pty Ltd
461 Plummer Street,
Port Melbourne, VIC 3207
Fax: +61 3 9681 7825
AUST Customer Care: 1800 890 840

New Zealand Contact

Brand Developers Limited
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SKU CODE

BDIV1