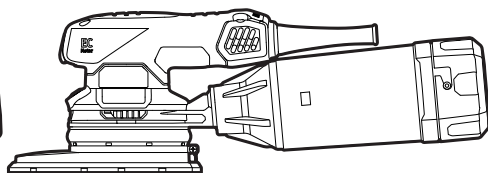
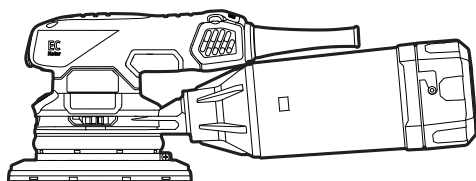
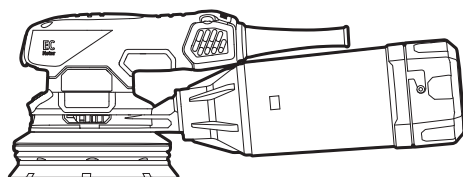


## SANDER

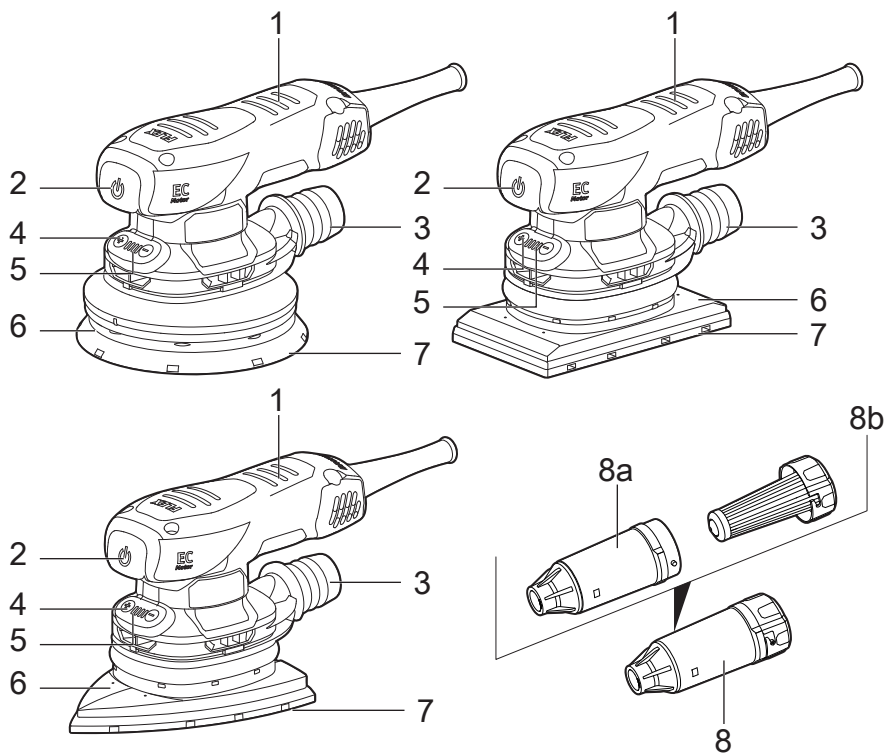
ORE 2-125 EC

OSE 2-80 EC

ODE 2-100 EC

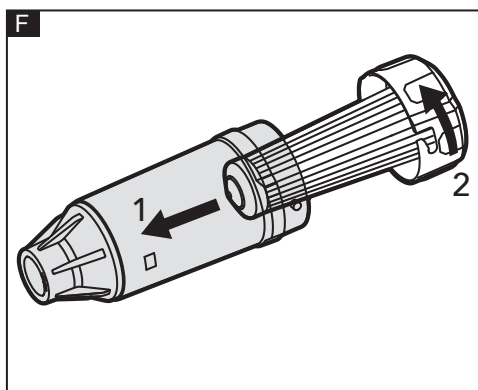
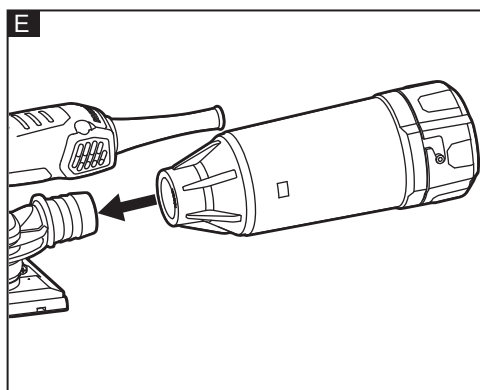
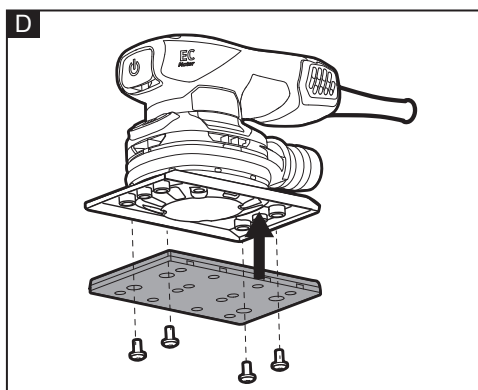
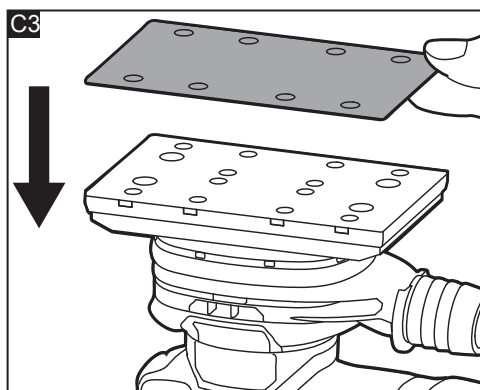
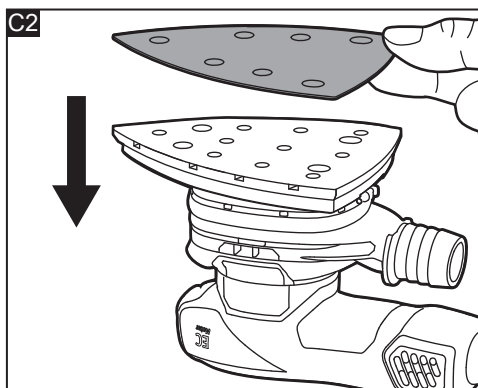
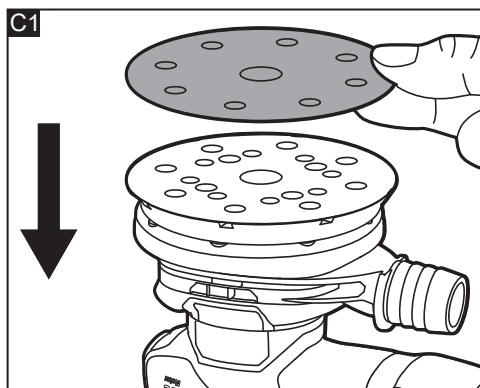


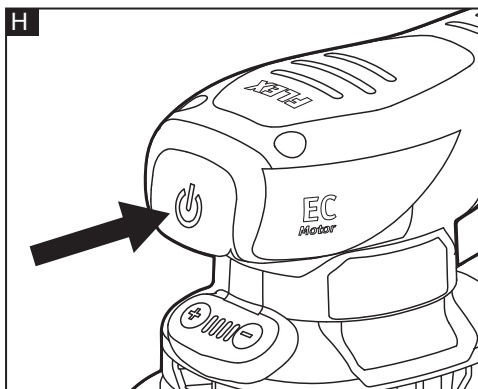
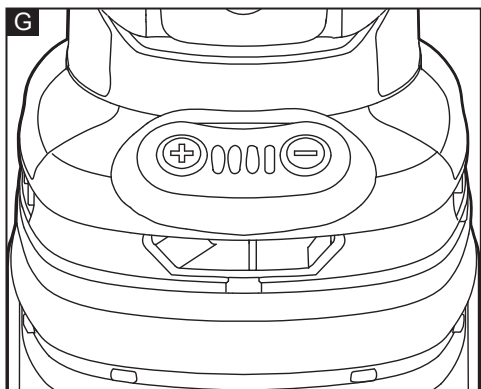
**A**



**B**

	ORE 2-125 EC	OSE 2-80 EC	ODE 2-100 EC
V	220-240	220-240	220-240
Hz	50	50	50
W	260	260	260
n/min	8000--12000	8000--12000	8000--12000
m/kg	1.5	1.4	1.5





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## Symbols used in this manual

### **WARNING!**

Denotes impending danger. Non-observance of this warning may result in death or extremely severe injuries.

### **CAUTION!**

Denotes a possibly dangerous situation. Non-observance of this warning may result in slight injury or damage to property.

### **NOTE**

Denotes application tips and important information.

## Symbols on the power tool



To reduce the risk of injury, read the operating instructions!



Wear goggles!



Wear ear protection!



Wear mask!



Class II tool



Disposal information for the old machine (see Page 10)

## For your safety

### **WARNING!**

Before using the power tool, please read and follow:

- these operating instructions,
- the "General power tool safety warnings",
- the currently valid site rules and the regulations for the prevention of accidents.

This power tool is state of the art and has been constructed in accordance with the acknowledged safety regulations.

Nevertheless, when in use, the power tool may be a danger to life and limb of the user or a third party, or the power tool or other property may be damaged.

The sander may be used only

- as intended,
- in perfect working order.

Faults which impair safety must be repaired immediately.

### Intended use

The sander is designed

- for commercial use in industry and trade,
- for sanding wood, plastic, paint, filler and similar materials using the dry sanding process,
- for use with Velcro sanding sheet and accessories which are indicated in these instructions or which are recommended by the manufacturer.

When metal is being ground, flying sparks occur. Ensure that nobody can be endangered by flying sparks.

## General power tool safety warnings

### **WARNING!**

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.

## Save all warnings and instructions for future reference.

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

## 1) Work area safety

- **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.

## 2) Electrical safety

- **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.
- **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.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **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.
- **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.
- **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.

## 3) Personal safety

- **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.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes,

hard hat or hearing protection used for appropriate conditions will reduce personal injuries.

- **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.
- **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.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **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.
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

## 4) Power tool use and care

- **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.
- **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.
- **Disconnect the plug from the power source and/or remove the battery pack, if detachable, 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.
- **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.

- **Maintain power tools and accessories.** 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.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **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.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

## 5) Service

- **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.

## Safety Warnings For Sander



### **WARNING!**

**Read all safety instructions and other instructions.** Failure to observe the safety instructions and other instructions may result in an electric shock, fire and/or serious injuries.

## Keep all safety instructions and other instructions in a safe place for the future.

- **Hold the power tool by insulated gripping surfaces, because the sanding surface may contact its own cord.** Cutting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- **Attention Risk of fire! Avoid overheating the material to be ground and the grinder.** Always empty the dust container before taking breaks from work. Grinding dust in the dust sack, microfilter, paper sack (or in

the filter sack or filter of the dust extractor) may self-ignite under unfavourable conditions, e.g. caused by flying sparks when grinding metals. It is particularly hazardous if the grinding dust is mixed with paint or polyurethane residue or other chemical substances and if the material is ground for a long time until hot.

- **Do not use the electric power tool if it has a damaged power cord. Do not touch the damaged power cord and pull out the mains plug if the power cord is damaged during work.** Damaged power cords increase the risk of an electric shock.
- **Use the electric power tool for dry sanding only.** If water penetrates the electric power tool, there is an increased risk of electric shock.
- **Dust released from materials, such as lead paints, some types of wood, minerals and metal, may be hazardous to the operator or people in the vicinity.** Inhaling or touching these dusts may result in respiratory diseases and/or allergic reactions.
  - Ensure the work place is well ventilated!
  - If possible, use external dust extraction.
  - It is recommended to wear a respirator mask belonging to filter class P2.
- **Secure the workpiece.** A workpiece is held more securely in a clamping device or vice than by hand.
- **Keep the workplace clean.** Material mixtures are especially dangerous. Light metal dust may burn or explode.
- Do not work on materials which release hazardous substances (e.g. asbestos).
- Never grind or cut light metals which have a magnesium content greater than 80%. Risk of fire!
- Before using the machine, check that the grinding tools have been installed and secured correctly. Switch on the power tool at no load for 30 seconds!
- Interrupt the test run immediately if violent vibrations occur or other damage is established. Check the machine to determine the cause.
- Before putting down the power tool, switch it off and wait until it comes to a standstill.
- Do not clamp the power tool in a vice.
- Always lay the power cord to the rear away from the electric power tool.

## Additional safety instructions

- Use only extension cables permitted for outdoor use.
- Identify the power tool with stickers only. Do not drill any holes into the housing.
- The mains voltage and the voltage specifications on the rating plate must correspond.
- Type Y attachment, if the replacement of the supply cord is necessary, this has to be done by the manufacture or his agent in order to avoid a safety hazard.

## Noise and vibration

The noise and vibration values have been determined in accordance with IEC 62841. The evaluated noise level of the power tool is typically:

	Sound pressure level $L_{pA}$ [dB(A)]	Sound power level $L_{WA}$ [dB(A)]
ORE 2-125 EC	75	86
OSE 2-80 EC	77	88
ODE 2-100 EC	76	87
	Uncertainty K=3dB	

Total vibration value:

	Emission value $a_h$ ( $m/s^2$ )
ORE 2-125 EC	3.5
OSE 2-80 EC	3.5
ODE 2-100 EC	3.5
	Uncertainty K=1.5 $m/s^2$



### **WARNING!**

*The indicated measurements refer to new power tools. Daily use causes the noise and vibration values to change.*



### **NOTE**

*The vibration emission level given in this information sheet has been measured in accordance with a standardised test given in IEC 62841 and may be used to compare one tool with another.*

*It may be used for a preliminary assessment of exposure. The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission*

*may differ. This may significantly increase the exposure level over the total working period. For a precise estimation of the vibration load the times should also be considered during which the power tool is switched off or even running, but not actually in use. This may significantly decrease the exposure level over the total working period.*

*Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organisation of work patterns.*



### **CAUTION!**

*Wear ear protection at a sound pressure above 85 dB(A).*

## Technical specifications

See figure B

## Overview (see figure A)

The numbering of the product features refers to the illustration of the machine on the graphics page.

- 1 Insulated grip surfaces
- 2 ON/OFF Switch
- 3 Extraction nozzle
- 4 Speed setting button
- 5 Speed control panel
- 6 Sanding plate
- 7 Sanding sheet
- 8 Microfilter box
  - a) Housing
  - b) Filter insert with cover

## Operating instructions



### **NOTE**

*When the power tool is switched off, the tool continues running briefly.*

For further information on the manufacturer's products go to [www.flex-tools.com](http://www.flex-tools.com).



### **WARNING!**

*Before performing any work on the electric power tool, pull out the mains plug.*

## Before switching on the power tool

Pull out the mains plug and check that there are no missing or damaged parts.

## Attaching/changing the sanding sheet

The sanding plate has Velcro fasteners and is therefore designed exclusively for use with Velcro sanding sheet (see figure C1&C2&C3).

- Pull out the mains plug.
- Remove used sanding sheet.
- Remove any coarse debris from the sanding plate.
- Attach new sanding sheet. Align the holes in the sanding sheet with the holes in the sanding plate.
- Attach the sanding sheet by gently pressing it against the Velcro fasteners on the sanding plate.

## Changing the sanding plate

If the sanding plate has worn out, it can be replaced (see figure D).

- Pull out the mains plug.
- Undo the four screws.
- Remove the sanding plate by pulling it downwards.
- Attach a new sanding plate.
- Tighten the four screws back.

## Integrated extractor with microfilter box

- Push microfilter box all the way onto the extraction nozzle (see figure E).

To ensure optimum dust extraction, empty the microfilter box in good time! Regularly clean filter element.

- Pull microfilter box with a twisting movement off the extraction nozzle.
- Remove cover (bayonet lock) and pull out together with the filter element.
- Tap filter element on a solid surface.
- Clean fins with a soft brush.
- Empty housing of the microfilter box.
- Reattach microfilter box (see figure F).

## Setting the speed

There are four speed levels that can be changed using the speed setting buttons. Press the “+” button to increase the speed. Press “-” button to decrease the speed. The LED lights above the numbers indicate the current speed level (see figure G).

The speed level can be set when the tool is connected to the power supply or when the tool is already in operation.

After you turn the tool off, the memory function will remember and revert to the last active speed level the next time the tool is turned on.

The approximate OPM (oscillations per minute) are:

Speed level	/min (OPM)
1	8000
2	9300
3	10600
4	12000

## Switching on and off

Switch power tool on or off by pressing on/off switch (see figure H).



### CAUTION!

*Following a power failure, the switched-on power tool will not start running again.*

## Operating instructions



### WARNING!

*Hold the electric power tool by the insulated grip surfaces only!*



### CAUTION!

*When the power tool is switched off, the grinding tool continues running briefly.*

- Switch on the sander and place the whole sanding sheet on the surface to be processed.
- Applying moderate pressure, move the sander evenly over the workpiece.
- The sanding result is determined primarily by the selection of the correct sanding sheet, the selected number of oscillations and the contact pressure.
- Replace sanding sheets in good time.
- An excessive increase in the contact pressure will not increase the grinding performance, but will increase the wear on the electric power tool and the sanding tool.

*For further information on the manufacturer's products go to [www.flex-tools.com](http://www.flex-tools.com).*

## Maintenance and care



### **WARNING!**

*Before performing any work on the electric power tool, pull out the mains plug.*

## Cleaning

- Clean the power tool and grille in front of the vent slots regularly. Frequency of cleaning is dependent on the material and duration of use.
- Regularly blow out the housing interior and motor with dry compressed air.

## Spare parts and accessories

For other accessories, in particular tools and sander accessories, can be found in the manufacturer's catalogues.

Exploded drawings and spare-part lists can be found on our homepage:

**[www.flex-tools.com](http://www.flex-tools.com)**

## Disposal information



### **WARNING!**

*Render redundant power tools unusable:*

- *mains operated power tool by removing the power cord,*



EU countries only

Do not throw electric power tools into the household waste! In accordance with the European

Directive 2012/19/EU on Waste Electrical and Electronic Equipment and transposition into national law used electric power tools must be collected separately and recycled in an environmentally friendly manner.



***Raw material recovery instead of waste disposal.***

Device, accessories and packaging should be recycled in an environmentally friendly manner. Plastic parts are identified for recycling according to material type.



### **NOTE**

*Please ask your dealer about disposal options!*

## Exemption from liability

The manufacturer and his representative are not liable for any damage and lost profit due to interruption in business caused by the product or by an unusable product. The manufacturer and his representative are not liable for any damage which was caused by improper use of the power tool or by use of the power tool with products from other manufacturers.

## FLEX WARRANTY POLICY

For warranty service, please contact FLEX customer service on Australia 1300 000 346 or New Zealand 0508 000 346.

Chervon Australia Pty Ltd ABN 36 165 077 501 and Chervon New Zealand Subsidiary Ltd NZBN 9429049277616 ("Chervon") warrants to the original domestic purchaser that this product will be free from defects in materials and workmanship for 2 years from date of purchase and an additional 1 Year (For a total of 3 Years) with registration via **[www.flex-tools.com.au](http://www.flex-tools.com.au)** or **[www.flex-tools.co.nz](http://www.flex-tools.co.nz)** within 30 days of the original purchase. To make a claim, return the faulty item together with proof of purchase directly to your closest service agent or to the place of purchase. Any handling and transportation costs (and other expenses incurred in claiming this warranty) are not covered by this warranty and will not be borne by Chervon. The replacement product or part or repaired product will be made available for your collection at an address nominated by Chervon. Where a valid warranty claim is made, Chervon will replace the defective product or repair the fault. Where the product is repaired, Chervon may use refurbished parts. This warranty does not cover normal wear and tear, misuse, abuse, or continuous industrial use. This warranty only applies to product purchased by you, inside Australia or New Zealand from authorised Australian or New Zealand FLEX dealers. This warranty may also be further limited or voided as specifically detailed in the product Manual. Chervon has no other liability under this warranty. The benefits to you given by this warranty are in addition to other rights and remedies imposed by State and Federal legislation that cannot be excluded. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law and the New Zealand Consumer Guarantee Act 1993. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. Chervon Australia Pty Ltd, Unit 14, 5 Kelletts Rd, Rowville, VIC 3178.

Chervon New Zealand Subsidiary Ltd, 4th Floor, Smith & Caughey Building, 253 Queen St, Auckland, 1141

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[www.flex-tools.co.nz](http://www.flex-tools.co.nz)

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For all FLEX warranty and enquiries, please contact  
Australia 1300 000 346 or New Zealand 0508 000 346