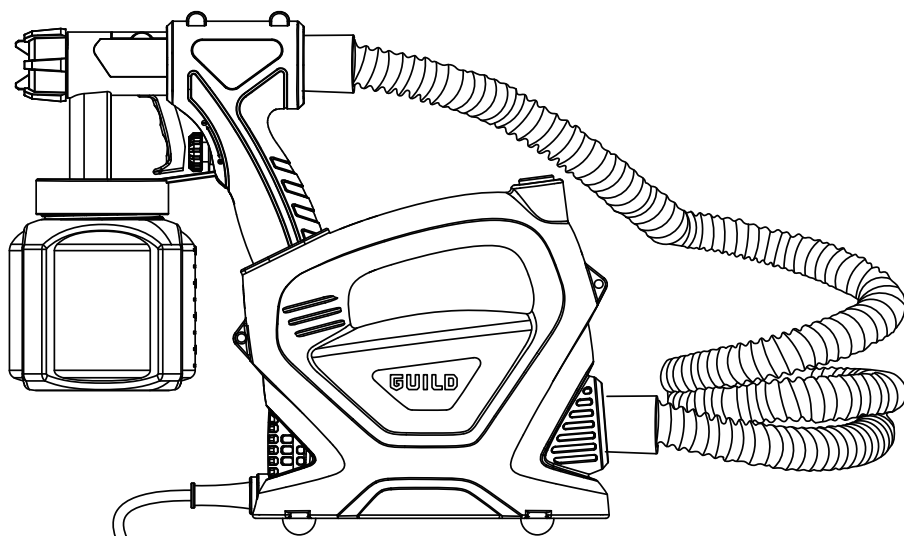


# GUILD

## 500W Spray gun

Instruction Manual

PRG500G



# GUILD

### After Sales Support

UK/Ireland 0333 3201989  
[Help@guildpowertools.co.uk](mailto:Help@guildpowertools.co.uk)

**Important** - Please read these instructions fully before operating or maintaining your Guild Spray gun

These instructions contain important information that will help you get the best from your Guild Spray Gun, ensuring it remains safe to operate.

If you need help or have damaged or missing parts, call the Customer Helpline on 0333 3201989

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# Safety Information

**Important** - Please read these instructions fully before starting assembly

## Warning Symbols

The following warning symbols appear throughout this assembly manual and indicate the appropriate safety measures you should take when assembling and operating the belt sander.



To reduce the risk of injury. Please read the instruction manual



Warning



Wear ear protection



Wear eye protection



Wear dust mask



Double insulation



Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.



Warning: Do not direct the jet at persons, animals and electrical equipment.

# Safety Information

**Important** - Please read these instructions fully before starting assembly

## **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 or battery-operated (cordless) 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.

### **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.

### **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.
- 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

# Safety Information

**Important** - Please read these instructions fully before starting assembly

## General Power Tool Safety Warnings

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.
- 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.
- 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.

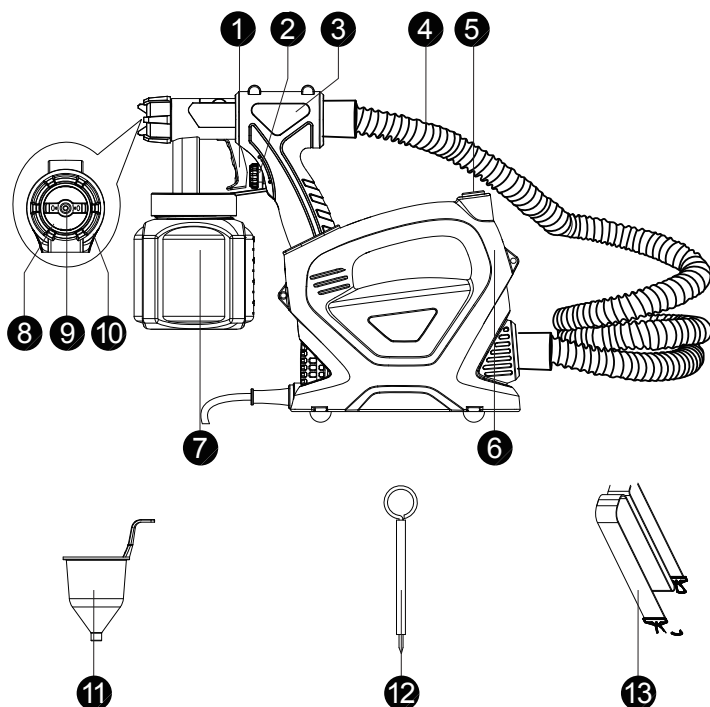
## Spray gun safety warnings

- 1. Do not use guns for spraying flammable materials.
- 2. Do not clean guns with flammable solvents.
- 3. **Warning!** Be aware of any hazard presented by the material being sprayed and consult the markings on the container or the information supplied by the manufacturer of the material to be sprayed.
- 4. Do not spray any material where the hazard is not known.
- 5. Use appropriate personal protective equipment, such as dust mask, protective clothing.
- 6. Do not clean guns with flammable solvent.
- 7. Recommendation that the tool always be supplied via a residual current device with a rated residual current of 30mA or less.

# In The Box

## Parts

- |                              |                          |
|------------------------------|--------------------------|
| ① Trigger                    | ⑧ Air cap                |
| ② Flow rate adjustment screw | ⑨ Nozzle                 |
| ③ Spray gun                  | ⑩ Cap nut                |
| ④ Air hose                   | ⑪ Viscosity cup          |
| ⑤ On / Off switch            | ⑫ Nozzle cleaning needle |
| ⑥ Blower                     | ⑬ Shoulder strap         |
| ⑦ Container                  |                          |



## Accessories

Viscosity cup  
Nozzle cleaning needle  
Shoulder strap

1pc  
1pc  
1pc

# Operating Instructions



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

## Intended Use

The spray gun is for spraying non-flammable and non-hazardous paints and varnishes suitable. The tool could not be used for spraying of flammable liquids. Do not use the tool for the food, pharmacy or other purposes that are not mentioned in the manual.

## 1. COATING MATERIALS

Solvent-based and water-based paints, finishes, primers, two-component paints, varnishes, automotive topcoats, stains and wood preservatives.

## 2. UNSUITABLE COATING MATERIALS

Wall colors (dispersion), etc., alkali and acidic paints.

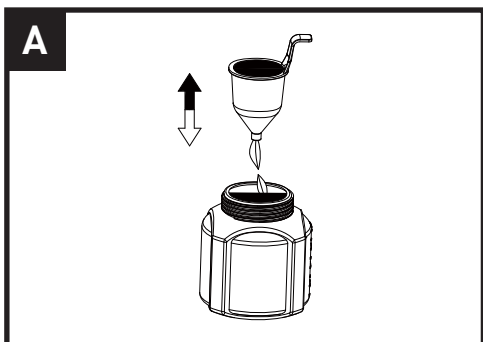
## 3. PREPAREDNESS THE COATING MATERIAL

Measuring the viscosity using the viscosity cup. (See Fig. A)

- 1) Stir well coating material before the start of the measurement.
- 2) Fill the viscosity cup with coating material (100 cm<sup>3</sup>).
- 3) Lift viscosity cup and measure the time in seconds, until the coating material finish dripping.
- 4) These are called run-DIN-seconds (DIN-s)

### Coating material viscosity DIN-s

Solvent-based paints-----	15-50
Primers-----	25-50
Pickling-----	undiluted
2 Combination paints-----	20-50
Varnishes-----	15-40
Waterborne paints-----	20-40
Automotive topcoats-----	20-40
Wood protection center l -----	undiluted



# Operating Instructions

## 4. CONNECT THE AIR HOSE TO THE TOOL.

- 1) Insert the air hose end to the guide at side of device firmly. [See Fig. B1]
- 2) Insert another side of air hose to the connector of gun side firmly. [See Fig. B2]

## 5. THE RISER

- 1) Unscrew the container of the spray gun.
- 2) Assemble the riser correctly according to different situation to reduce the liquid in the container as much as possible.

### Spraying with underlying objects

- rotating riser forward. [SEE FIG. C1]

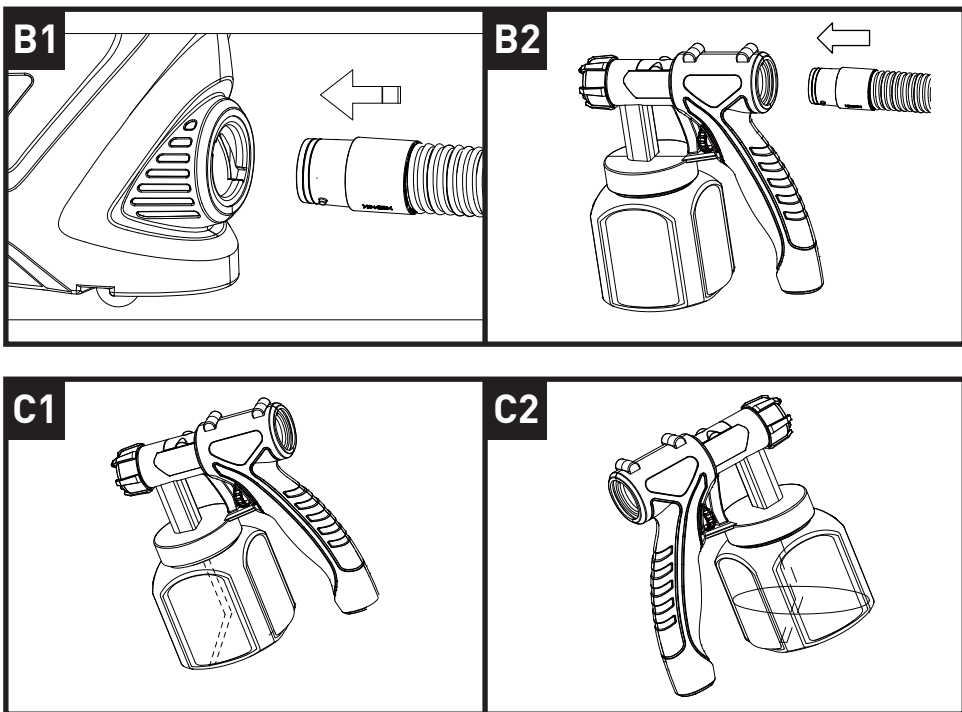
**NOTE:** Don't tilt it at a large angle.

### Spray job with overhead objects

- rotating riser backwards. [SEE FIG. C2]

**Note:** Don't tilt it at a large angle.

- 3) Place one paper under the container. Pour the prepared coating material into the container.
- 4) After you pour liquid into the container, screw the container back into the spray gun. And tighten it.





# Operating Instructions

## 6. ON/OFF SWITCH (SEE FIG. D)

To start the tool, depress the protective cover over the switch indicated by the mark "I".  
To stop the tool, depress the protective cover indicated by the mark "O".

## 7. TAKE THE SPRAY GUN OUT OF THE GUN HOLDER (SEE FIG. E)

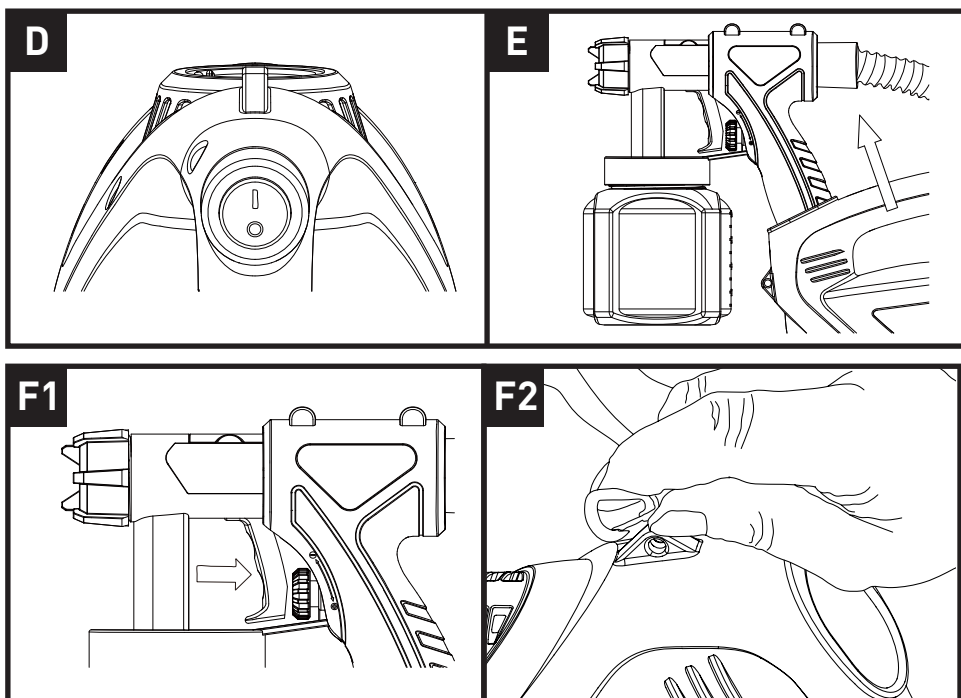
This tool is equipped with 1.8m air hose. The spray gun can be taken out of the gun holder to make work more convenient.

## 8. TRIGGER (SEE FIG. F1)

Depress the trigger for spraying work.

## 9. ASSEMBLE THE SHOULDER STRAP.(SEE FIG F2)

There are two holes on the blower,you can use the shoulder strap pothook to install it.



# Operating Instructions

## 10. ADJUSTMENT OF THE SPRAY GUN

### Selection spray patterns

1) Unscrew the cup nut.

2) Setting the position of air cup to the desired situation.

The Horizontal position of air cup (SEE FIG. G1)=the spraying shape is vertical: for vertical surface.

The vertical position of air cup (SEE FIG. G2)=the spraying shape is horizontal: for horizontal surface.

The oblique position of air cup (SEE FIG. G3)=the spraying shape is circular: for corners, edges and others.

3) Screw the cup nut and tighten it.



**WARNING!** Never change the setting of the air cup when pulling the trigger.

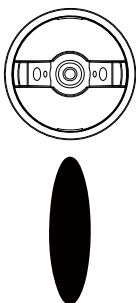
### Adjustment of the rate of flow (SEE FIG. H)

The material volume by turning the flow rate adjustment screw.

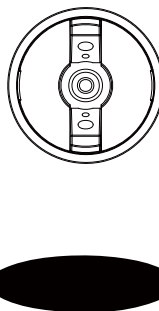
+ Rotate anticlockwise: reduce the rate of flow

- Rotate clockwise : increase the rate of flow

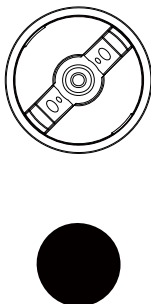
**G1**



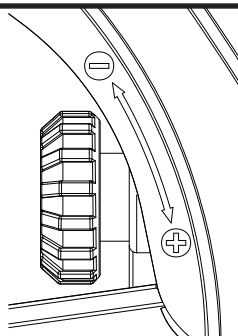
**G2**



**G3**



**H**



# Operating Instructions

## 11. SPRAY TECHNOLOGY

- 1) The intended surface should be smooth and clean. And the surface must be pretreated and dust-free.
- 2) Surface not to be sprayed must be covered with tape and newspaper.
- 3) Cover screw or similar at the object need to be covered.
- 4) It is important to perform on cardboard or a similar surface spray sample to find the right spray gun setting.

### Correct directional length

Hold the spray gun at straight distance of about 5 -15 cm from the object being sprayed. [SEE FIG. I1]

### Incorrect

Overspray, unevenly even surface quality. [SEE FIG. I2]

**NOTE:** Cleanliness is necessary as coating material buildup on the nozzle and air cap A B, both parts with solvents or water. [SEE FIG. I3]

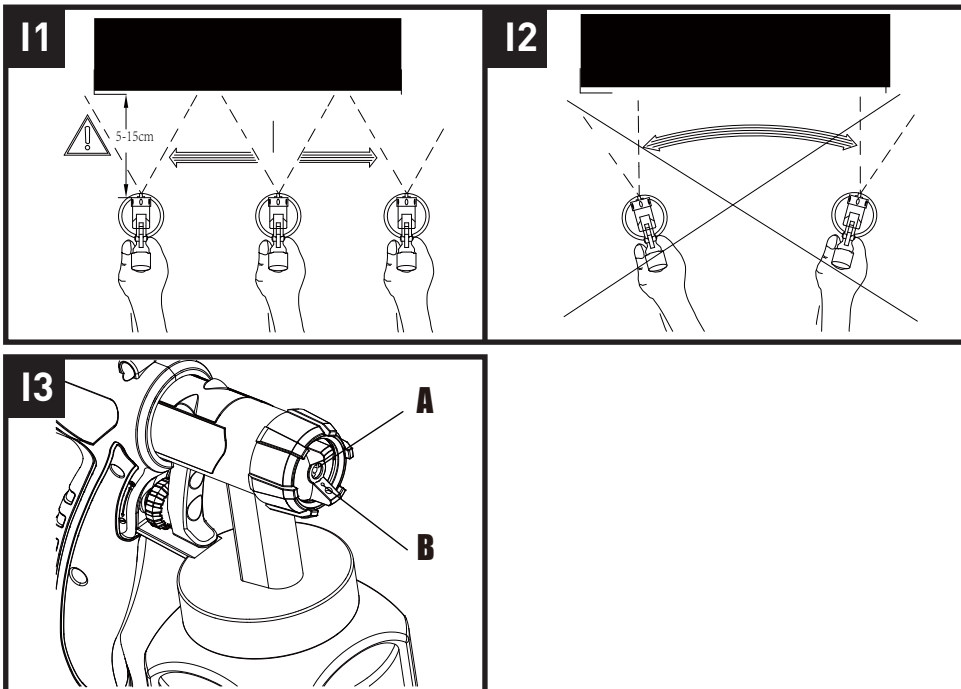
## 12. WORK STOPPAGES

- 1) Switch off the device.
- 2) Back spray gun to the spray gun holder.

## 13. CLEANING

- 1) Switch off the device. Press the trigger, so that the coating material in the spray gun passes back into the container.
- 2) Unscrew the container. Empty the remaining coating material.
- 3) Clean containers and tubing with brush.
- 4) Screw the container. Always keep container seal free of paint residue and check for damage.
- 5) Clean spray gun and container exterior with a cloth soaked in solvent and water cloth.

**NOTE:** Never clean the nozzle or air holes in the spray gun with sharp metal objects.



# Troubleshooting

Problem	Cause	Remedy
No coating material come out from Nozzle	Nozzle clogged	Clean
	Riser clogged	Clean
	Small holes on the riser pipe clogged	Clean
	Flow setting is at min level	Rotate the flow rate adjustment screw clockwise
	Riser loose	Tighten the riser
	Container loose	Tighten the container
	The viscosity is too high	Dilution
Dropping coating material at nozzle	Nozzle loose	Tighten nozzle
	Worn nozzle	Replace
	Coating material accumulated at air cap and nozzle	Clean
Spray too thick	The viscosity is too high	Dilution
	Flow setting is at max level	Rotate the flow rate adjustment screw anticlockwise
	Too little pressure in the container	Tighten the container
Spray unstable	Litter coating material in container	Add more coating material
	The filter is too dirty	Clean or replace
Drip in spraying	Flow setting is at max level	Rotate the flow rate adjustment screw anticlockwise

# Technical Data

## Technical Data Table

Voltage	220-240V~50Hz
Power consumption	500 W
Nozzle size	2.5mm
Max air volume flow	600ml/min
Max viscosity	60DIN-s
Air hose length	1.8m
Tank capacity	800 ml
Spraying pressure	0.1-0.2bar
Protection degree	□/II
Weight	1.82kg

## Noise Information

A weighted sound pressure

A weighted sound power

Wear ear protection

$L_{pA}$ : 83dB(A)  
 $L_{wA}$ : 94dB(A)  
 $K_{pA}$  &  $K_{wA}$ : 3.0dB(A)



## Vibration Information

Vibration total values (triax vector sum) determined according to EN 60745 & EN50580:
Vibration emission value $a_h = 2.687\text{m/s}^2$
Uncertainty $K = 1.5\text{m/s}^2$



**WARNING:** The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used dependant on the following examples and other variations on how the tool is used:  
How the tool is used.

The tool being in good condition and well maintained

Using the correct accessory for the tool and ensuring it is in good condition.

The tightness of the grip on the handles and if any anti vibration accessories are used.

And the tool is being used as intended by its design and these instructions.

**This tool may cause hand-arm vibration syndrome if its use is not adequately managed**



**WARNING:** To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.

# Technical Data

## Vibration Information

Helping to minimise your vibration exposure risk.

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate)

If the tool is to be used regularly then invest in anti vibration accessories.

Plan your work schedule to spread any high vibration tool use across a number of days.

# Environmental Protection



Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.

# Guarantee

This product is selected for DOMESTIC USE ONLY and not for business use.

This product is guaranteed against manufacturing defects for a period of 24 months. This does not cover the product where the fault is due to misuse, abuse, use in contravention of the instructions, or where the product has been the subject of unauthorised modifications or alterations, or has been the subject of commercial use. In the event of a problem with the product within the guarantee period please return it to your nearest store. If the item is shown to have an inherent defect present at the time of sale, the store will provide you with a replacement. Your statutory rights remain unaffected.

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