OLYMPIATOOLS®

GOOD QUALITY. GREAT VALUE.

USER MANUAL

900W RECIPROCATING SAW

RS900



UK CA CE

CONTENTS

SAFETY INFORMATION 3-5

SAFETY WARNING SYMBOLS 3
- Safety warning symbols - Reciprocating saw 3
- Compliance and recycling symbols 3

SAFETY WARNINGS - GENERAL POWER TOOLS 4-5
- Work area safety 4
- Electrical safety 4
- Personal safety 4-5
- Power tool use and care 5
- Service 5

SAFETY WARNINGS - RECIPROCATING SAW 5

IN THE BOX 6

OPERATION INSTRUCTIONS 7-9
- Intended use 7
- Assembly 7
- Selecting the right saw blade 7
- Inserting the saw blade 7
- Removing the saw blade 7
- Adjusting the base 8
- On/off switch 8
- Switch lock-on button 8
- Variable speed control 8
- Plunge cutting 9
- Flush cutting 9
- Wood cutting 9
- Metal cutting 9-10
- Useful tips 10

MAINTENANCE 10

TECHNICAL SPECIFICATIONS 11-12
- Reciprocating saw 11
- Noise/vibration information 11-12

DISPOSAL 12
- Packaging materials 12
- Electrical products 12

STORAGE 12

PLUG REPLACEMENT (UK AND IRELAND ONLY) 13

GUARANTEE 13

UK DECLARATION OF CONFORMITY 14

EU DECLARATION OF CONFORMITY 15

SAFETY INFORMATION



IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNING SYMBOLS

The following warning symbols appear throughout this user guide and indicate the appropriate safety measures you should take when assembling and operating the jigsaw.

⚠ WARNING!

This symbol marks a point of safety, indicating a warning. Ignoring this safety symbol could result in an accident to yourself or others. To limit the risks of injury, fire or electrocution, always follow the recommendations indicated.

Safety warning symbols - Reciprocating saw



Protection Class II (double insulated)

Compliance and recycling symbols



Complies with relevant European regulations



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

SAFETY INFORMATION



IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNINGS - GENERAL POWER TOOLS

⚠ WARNING!

Read all safety warnings and instructions. Failure to follow 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.

Work area safety

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **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.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

1. **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.
2. **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.
3. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **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.
5. **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.
6. **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.

Personal safety

1. **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.
2. **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.



3. **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.

4. **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.
5. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
6. **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.
7. **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.

Power tool use and care

1. **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.
2. **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.
3. **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.
4. **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.
5. **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.
6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. **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.

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 INFORMATION

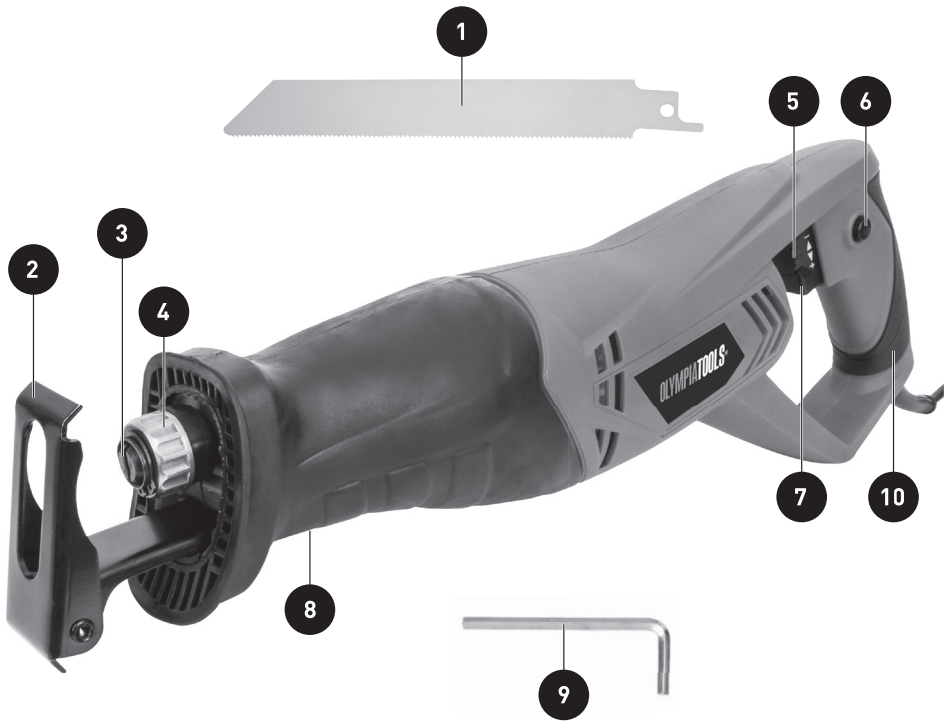


IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNINGS - RECIPROCATING SAW

1. **Hold power tool 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 power tool "live" and could give the operator an electric shock.
2. **Always wear a dust mask.**

IN THE BOX



1. 1x Blade (for metal)
2. Adjustable base
3. Blade clamp
4. Blade holder
5. Variable speed dial
6. Switch lock-on button
7. On/off switch
8. Base adjustment
9. 1x Hex key
10. Soft grip handle

OPERATION INSTRUCTIONS

IMPORTANT: To reduce risk of injury, please read this user guide before use.

Intended use

This tool is intended for sawing wood, plastic, metal and building materials while resting firmly on the workpiece. It is suitable for straight and curved cuts. The saw blade recommendations are to be observed.

Assembly

⚠ WARNING!

Remove the plug from the socket before carrying out any adjustment, servicing or maintenance. When mounting the saw blade, wear protective gloves. Danger of injury when touching the saw blade. When changing the saw blade, take care that the saw blade holder is free of material residue, e. g. wood or metal shavings.

Selecting the right saw blade (See fig. A)

Use only saw blades with single-nose shank (See fig. A). The saw blade should not be longer than required for the intended cut. Use a thin saw blade for narrow curve cuts.

Fig. A



Inserting the saw blade (See fig. B1)

⚠ WARNING!

Risk of injury (cuts from sharp edges). There is a danger of cutting even with a stationary tool. Wear gloves when changing blades.

⚠ WARNING!

Check the tight seating of the saw blade. A loose saw blade can fall out and lead to injuries. For certain work, the saw blade (1) can also be turned through 180° (with the teeth pointed upwards) and reinserted again.

Rotate the blade holder (4) clockwise and hold it in that position. Insert the blade (1) into the blade clamp (3) and release the blade holder (4). Ensure the blade is locked securely in place.

Removing the saw blade (See fig. B2)

⚠ WARNING!

Risk of burns. The tool may still be hot on completion of the work, There is a risk of burning. Allow a hot tool to cool down. Never clear a hot tool with flammable liquids.

⚠ WARNING!

Risk of injury (cuts from sharp edges). There is a danger of cutting even with a stationary tool. Wear gloves when changing blades.

Rotate the blade holder (4) clockwise and hold. Pull the blade (1) out and release the blade (4) holder.

Fig. B1

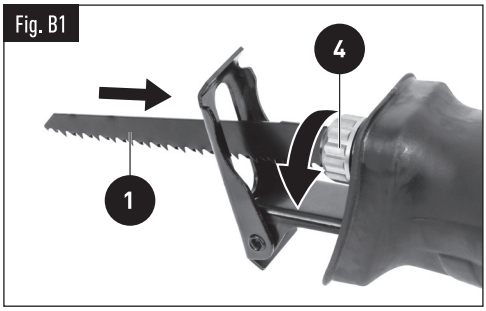
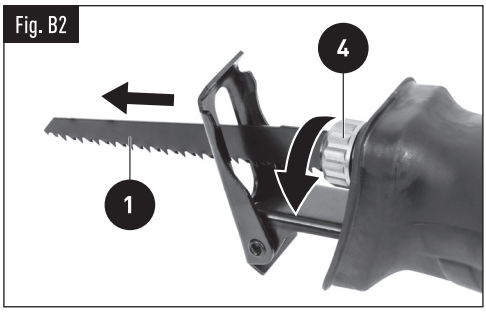


Fig. B2

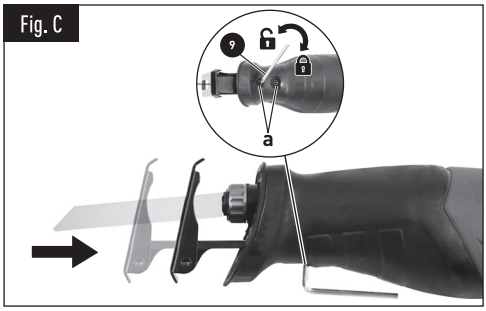


Adjusting the base (See fig. C)

The adjustable base (2) adapts to the required angular position of the surface. It must be held firmly against the material being cut to reduce saw vibration, blade jumping and blade breakage.

If you need to reduce the cutting capacity of your tool (depth of cut), the base (2) may be adjusted as follows. Loosen the two securing screws (a) on the underside of the front housing with a hex key (9). Slide the adjustable base (2) to the required position. Tighten both screws (a) and check that the adjustable base (2) is firmly latched. (See fig. C)

Fig. C



On/off switch (See fig. D)

Depress the On/off switch (b) to start and release it to stop your tool.

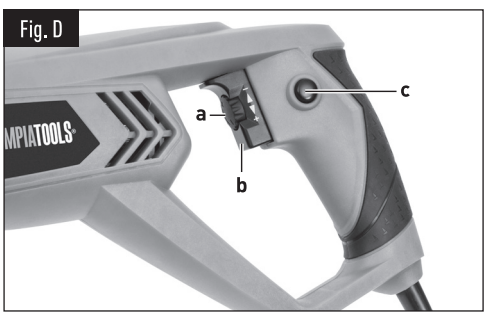
Switch lock-on button (See fig. D)

Press the On/off switch (b). For continuous operation, press the switch lock-on button (c) then release the On/off switch. Press the On/off switch again to release the switch lock-on button and the product switches off.

Variable speed control (See fig. D)

The On/off switch (b) is also a variable speed switch that delivers higher speed and torque. Speed is controlled by the dial (a) on the On/off switch (b).

Fig. D



Plunge cutting (See fig. E1 and E2)

⚠ WARNING!

The plunge cutting procedure is only suitable for cutting soft materials such as wood, plaster board or similar! Do not work metal materials with the plunge cutting procedure!

Use only short saw blades for plunge cutting.

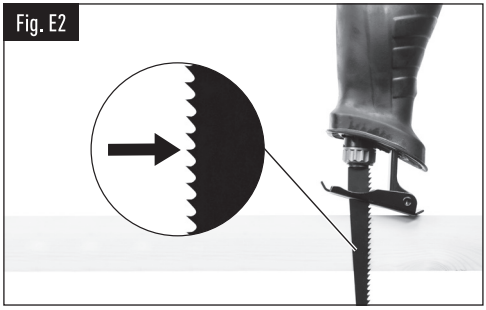
Place the tool with the edge of the adjustable base (2) onto the workpiece and switch on. For power tools with stroke speed control, set the maximum stroke speed. Press the power tool firmly against the workpiece and allow the saw blade to slowly plunge into the workpiece.

As soon as adjustable base (2) fully lays on the surface of the workpiece, continue sawing along the desired cutting line. For certain work, the saw blade (1) can also be inserted turned through by 180° and the reciprocating saw can be guided accordingly in reverse.

Fig. E1



Fig. E2



Flush cutting (See fig. F1 and F2)

⚠ WARNING!

Pay attention that the saw blade always extends beyond the diameter of the material being worked. There is danger of kickback.

It is possible to make cuts extremely close to floors, walls and other difficult areas. Insert the blade shank into the blade clamp (3) with the blade teeth facing up (opposite to normal working position). This will make cuts closer to the work surface. Using special flexible blades insert the blade into the blade clamp (3) with the blade teeth facing down (normal working position). It will allow flush pipe cutting

Wood cutting

For easier control use low speed to start cutting, then increase to the correct speed.

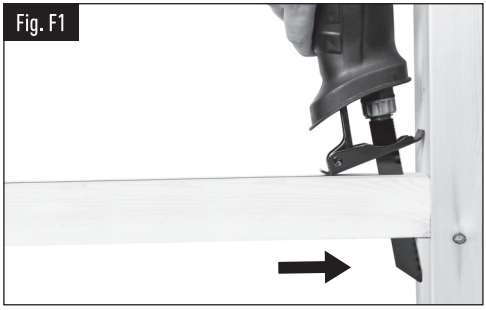
Metal cutting

This saw has different metal cutting capacities depending upon the type of blade being used and metal being cut.

Use a finer blade for ferrous metals and a coarse blade for non-ferrous metals. When cutting thin gauge sheet metals, **ALWAYS** clamp wood on both sides of the sheet. This will give you a clean cut without excess vibration or tearing of the metal. **DO NOT** force the cutting blade. Forcing the blade will reduce blade life and cause the blade to break.

We recommend that you spread a thin film of oil or other coolant along the line of cut ahead of the saw. This will allow easier operation and help extend blade life. When cutting aluminum, use kerosene.

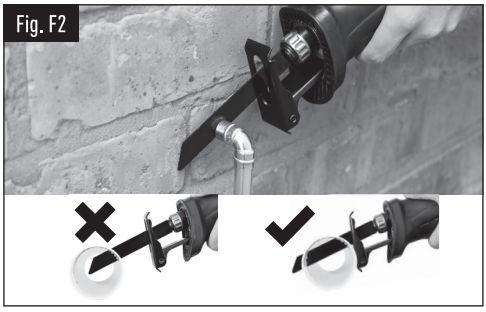
Fig. F1



Useful tips

1. If your power tool becomes too hot, set the speed to maximum and run a no-load for 2-3 minutes to cool the motor.
2. Always ensure the work-piece is firmly held or clamped to prevent movement.
3. The blade guard must be held firmly against the material being cut to reduce saw vibration, blade jumping and blade breakage.

Fig. F2



MAINTENANCE

Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.

Your power tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool.

Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth.

Always store your power tool in a dry place.

Keep the motor ventilation slots clean. Keep all working controls free of dust.

If you see some sparks flashing in the ventilation slots, this is normal and will not damage your power tool.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

TECHNICAL SPECIFICATIONS

Reciprocating saw

Model	M1W-DD16-115 (RS900)
Code	09-350
Mains supply	230V-240V~50Hz
Power input	900W
Stroke rate (no-load)	0-2800/min
Stroke height	20mm
Max. cutting depth (wood)	115mm
Max. cutting depth (steel)	10mm
Max. cutting depth (plastic)	15mm
Protection class II	⧈
Weight	2.50kg

Noise/vibration information

Noise

A weighted sound pressure	L_{pA}: 83.0dB(A)
A weighted sound power	L_{wA}: 94.0dB(A)
	K_{pA} and K_{wA} =3.0dB(A)

⚠ WARNING!

Wear ear protection when sound pressure is over: 80dB(A)

Vibration

Vibration total values (triax vector sum) determined according to EN 62841:

Cutting boards	Vibration emission value $a_{h,B}$ = 11.47m/s^2
	Uncertainty K = 1.5m/s^2
Cutting wooden beams	Vibration emission value $a_{h,M}$ = 10.88m/s^2
	Uncertainty K = 1.5m/s^2

The declared vibration total value may be used for comparing one tool with another, and may also be used in a preliminary assessment of exposure.

⚠ 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 for example:

How the tool is used and the materials being cut or drilled.

The tool being in good condition and well maintained.

Use of the correct accessory for the tool and ensuring it is sharp and in good condition.

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

The tool is being used as intended by its design and as detailed in this user guide.

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.

ALWAYS use sharp chisels, drills and blades.

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.

Avoid using tools in temperatures of 10^{0}C or less.

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

DISPOSAL

Packaging materials

Dispose of in an environmentally friendly way by adding to your recyclable waste bin, or by taking it to a public collection centre.



Electrical products

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



STORAGE

Store the machine, operating instructions and where necessary the accessories in the original packaging. In this way you will always have all the information and parts ready to hand.

Pack the device well or use the original packaging in order to avoid transit damage.

Always keep the machine in dry place.

PLUG REPLACEMENT (UK AND IRELAND ONLY)

If you need to replace the fitted plug then follow the instructions below.

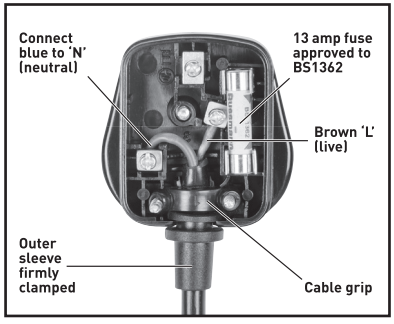
⚠ WARNING!

The wires in the mains lead are coloured in accordance with the following code:
Blue – Neutral
Brown – Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows. The wire which is coloured blue must be connected to the terminal which is marked with 'N'. The wire which is coloured brown must be connected to the terminal which is marked with 'L'.

⚠ WARNING!

Never connect live or neutral wires to the earth terminal of the plug. Only fit an approved BS1363/A plug and the correct rated fuse. Note: If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.



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.

UK DECLARATION OF CONFORMITY

1. Apparatus product/model

Product: **900W Reciprocating saw**

Model: **M1W-DD16-115 (RS900)**

2. This declaration of conformity is issued under the sole responsibility of the manufacturer

3. Object of the declaration

Product: **900W Reciprocating saw**

Model: **M1W-DD16-115 (RS900)**

Rated voltage: **230V-240V~50Hz**

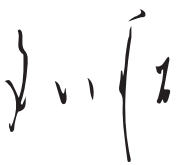
4. This 900W Reciprocating saw, model number M1W-DD16-115 (RS900), fully complies with the Supply of Machinery (Safety) Regulations 2008, Electromagnetic Compatibility Regulations 2016, the Restriction of Use of Certain Hazardous Substances in Electrical & Electronic Equipment Regulations 2012, and the following standards:

EN 62841-1:2015+AC:15	EN 55014-2:2015
EN 62841-2-11:2016	EN IEC 61000-3-2:2019
EN 55014-1:2017+A11:2020	EN 61000-3-3:2013+A1:2019

5. This declaration is made under the sole responsibility of:
SUMEC HARDWARE AND TOOLS CO., LTD.
No. 1 Xinghuo Road, Jiangbei New Arga, Nanjing, Jiansu, 210061 China

Chief Engineer
Wenjun

Date: April,12,2021



EU DECLARATION OF CONFORMITY

1. Apparatus product/model

Product: **900W Reciprocating saw**

Model: **M1W-DD16-115 (RS900)**

---

2. This declaration of conformity is issued under the sole responsibility of the manufacturer

---

3. Object of the declaration

Product: **900W Reciprocating saw**

Model: **M1W-DD16-115 (RS900)**

Rated voltage: **230V-240V~50Hz**

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4. This 900W Reciprocating saw, model number M1W-DD16-115 (RS900), fully complies with the Machinery Directive 2006/42/EC, Electromagnetic Compatibility Directive 2014/30/EC, RoHS Directive 2011/65/EU and the following harmonized EU standards:

EN 62841-1:2015+AC:15

EN 62841-2-11:2016

EN 55014-1:2017

EN 55014-2:2015

EN 61000-3-2:2014

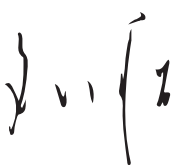
EN 61000-3-3:2013

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5. This declaration is made under the sole responsibility of:
SUMEC HARDWARE AND TOOLS CO., LTD.
No. 1 Xinghuo Road, Jiangbei New Arga, Nanjing, Jiansu, 210061 China

Chief Engineer
Wenjun

Date: Mar,23,2020



OLYMPIATOOLS®
GOOD QUALITY. GREAT VALUE.

UK: Olympia Tools [UK] Ltd, Bull Lane,
Wednesbury, West Midlands, WS10 8RW

EU: Tucks O'Brien Ltd, 24 Magna Drive,
Magna Business Park, Citywest Road,
Dublin D24 FNY0, Ireland

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