POWER TEC™

92743

Self-Piercing Rivet Gun Kit – Cordless

A portable cordless electro-hydraulic riveting tool that utilises a combination of electrical power to drive a hydraulic force to fit self-piecing rivets.



www.power-tec.co.uk

CE

Self-Piercing Rivet Gun Kit – Cordless

Introduction:

A portable cordless electro-hydraulic riveting tool that utilises a combination of electrical power to drive a hydraulic force to fit self-piecing rivets. The kit also features 2x 18V batteries and a mains charger with 3-pin standard UK mains plug, together with a set of rivet removal attachments to remove old or defective rivets without the need for drilling, and it all comes supplied in a robust plastic storage case.

Components:



Ref.	Component
1	Rivet Gun
2	Extra battery
3	Charger
4	Rivet Removal attachments
5	6 bags of rivets (50 piece): 3.3x5mm; 5.3x5/6/7/8/10mm

WARNINGS – Safety rules and general instructions:

This user manual contains instructions on the operation of your appliance and the precautions to be taken when using it. The following is a list of the precautions you should take for your safety; read it carefully before using the machine for the first time and keep it for future reference. This equipment is for professional use and should only be installed, adjusted or operated by qualified and experienced operators.

Warning:

Please read the manual carefully before use. If you encounter difficulties or faults, please contact our Service team on 01926 818186. This item is not user serviceable, so do not disassemble the unit.

Warning:

Use without strictly following the instructions may result in serious injury.

Self-Piercing Rivet Gun Kit – Cordless

Description:

The riveting machine has been specially designed for the main types of rivets used and approved in the industry. Automotive repair:

- Punch Rivets (self-piercing rivets)
- Flow Form Rivets – ideal for all types of riveting operations on sheet metal (up to 6.5mm thick).

Features:

1. Variable piston speed control.
2. Rapid spool down, giving high user safety.
3. The safety valve can be automatically reset after reaching a certain pressure and/or manually reset.
4. Charging reminder function when the power is low.
5. The integrated OLED digital display shows pressure value, crimp times, battery charge level and machine temperature.
6. 360° operation suitable for a variety of angle applications.

Unit Overview:



Self-Piercing Rivet Gun Kit – Cordless

Scope of work:

It is important to ensure that the punch support is positioned on the workpiece at an angle of 90°. The riveter is supplied with 600 self-piercing steel rivets, 100 of each across six sizes.

Rivet Removal:

In the case of sheet metal body repairs, old or defective rivets must be removed from the joined plates. In order to avoid removing these rivets by drilling, it is necessary to use the extractor and its die (S1/S2 or S3/S4). These allow the rivet to be removed without damaging the sheet metal.



Rivet Installation:

When installing self-piercing rivets, check the fit of the rivets. The dies (S7/S8 and S9/S10) must not be damaged or misshapen. During each riveting procedure, it is important to ensure that the die – and not the rivet itself – is placed against the sheets to be joined.

Ø3,3mm



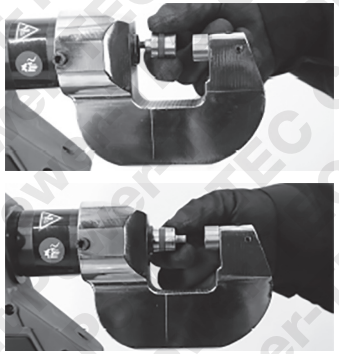
Ø5,3mm



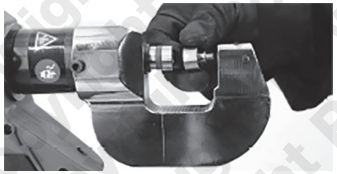
Assembly of the mandrels:

Screw the mandrel kit required for the riveting procedure onto the arm bracket. NB, before each assembly check that the die and punch holder are correctly aligned and secured.

Rivet die Punch / mandrel holder



Rivet die



Warning:

When the die and the punch holder are installed, secure them with a 3mm Allen key. Check that the holders are securely fastened behind each rivet. Loosening of the holders is dangerous and can lead to damage of the riveter.

Operation method:

1. First, insert the battery into the riveter; the indicator light will illuminate. The brightness of the LED light, when on, is an indication of the charge level. (If the light is not bright, the battery should be fully charged before use).
2. Riveting: before lifting the plier body, please place the rivet in the small magnetic recess. Press the button on the handle and the hydraulic clamp begins to push the rivet through the sheet metal. Keeping the trigger pressed will form the rivet and the riveter will automatically withdraw the piston; alternatively, the reset button can be used to open the piston.
3. When the temperature of the riveter is higher than 60°, the machine will sound an alarm; please turn off the motor and wait for the motor to cool before use (minimum suggested cooling time is approx. 30 minutes).
4. After continuous operation, when the voltage drops to between 16V-16.5V the warning light will start to flash. After the alarm sounds, please switch off the power and stop work. Recharge the battery before continuing to work.
5. If the battery is not used on the body for more than 10 minutes, the chip will automatically cut off the power and the unit cannot be turned back on. In this case, please remove and replace the battery; normal function should be resumed.

Battery maintenance and safety:

1. The battery can be charged and discharged hundreds of times, but leaving the battery in a discharged state will shorten the battery's life. Do not allow the battery to completely discharge as the lithium battery may be permanently damaged, please keep the battery in a reasonable state of charge.

2. When the tool is stored for a long time, the battery will discharge – for long periods without use, the battery should be removed and kept fully charged.
3. Do not cover the charger when charging to avoid overheating.
4. Do not use in rain or wet environments or charge in high temperatures (risk of electric shock).
5. Do not disassemble the battery(s) or charger.

Product Specifications:

Model: G18V

Working pressure: 60KN

Crimping range:16-300mm^2

Travel: 17mm

Number of crimping operations: 320

Crimping time: 3-6 seconds (depending on rivet size)

Voltage: 18V

Battery capacitance: 4.0Ah

Charging time: 60 minutes

Weight: 9.5kg

Packaging: Blow Mold Case

Safety strap: 1pc

Battery: 2pcs

Charger: 1pc

Working Environment:

Slips, trips and falls are a major cause of serious injury; pay attention to any potential trip hazards in the work area. This appliance is not intended for use in potentially explosive atmospheres. This apparatus is intended for indoor use in a well-lit environment and on level ground.

Environment:

- This equipment may only be used within the limits indicated in the manual.
- Temperature range: between -10 and +40°C (+14 and +104°F).
- Store between -20 and +55°C (-4 and 131°F).
- Air humidity: Less than or equal to 50% at 40°C (104°F); Less than or equal to 90% at 20°C (68°F).
- Altitude: Up to 1000m (3280ft) above sea level.

Installation – Product Operation

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.

Handling:

All operations necessary for correct use are described in this manual. It is not permitted to use the tool for working methods other than those approved by the manufacturer.

Technical Data:

Riveter weight 8kg

Maximum clamping force 100 kN.

Noise: Weighted sound power level: LWA = 72 dB.

Vibration: Average vibration: ah = 5.6 m/s².

Disposal/end of life:

When disposing of the riveter, it must be taken to an authorised recycling centre.



Safety First. Be Protected.

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.

5 018341 927431

92743_Instructions_V1

recycle
When you have finished with this leaflet please recycle it

www.power-tec.co.uk

TOOL CONNECTION
The Complete Connection

Distributed by The Tool Connection Ltd
Kineton Road, Southam, Warwickshire CV47 0DR
T +44 (0) 1926 815000 **F** +44 (0) 1926 815888
info@toolconnection.co.uk **www.toolconnection.co.uk**

Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear & tear are excluded as are consumable items & abuse.

For GPSR regulations visit: **www.tc-gpsr.com**

Power-TEC Copyright