

**DRAPER**<sup>®</sup>  
*Expert*

GB

# CHAIN SPLITTER & RIVETER KIT

31318



These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

**USER MANUAL FOR:**  
**Chain Splitter and Riveter Kit**  
**Stock No: 31318**  
**Part No: CBRK3**

## REVISIONS:

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**Date first published:**

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**November 2019.**

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As our user manuals are continually updated, users should make sure that they use the very latest version.

**Downloads are available from:** <http://drapertools.com/manuals>

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### **Understanding this manual's safety content:**

**Warning!** – Information that draws attention to the risk of injury or death.

**Caution!** – Information that draws attention to the risk of damage to the product or surroundings.

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# WARRANTY

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Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact

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A proof of purchase must be provided with the tool.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This warranty period covering labour is 12 months from the date of purchase except where tools are hired out when the warranty period is 90 days from the date of purchase. The warranty is extended to 24 months for parts only. This warranty does not apply to any consumable parts, any type of battery or normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

**Note:** If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This warranty applies in lieu of any other warranty expressed or implied and variations of its terms are not authorised.

Your Draper warranty is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the warranty period.

Please note that this warranty is an additional benefit and does not affect your statutory rights.

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# INTRODUCTION

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## **SCOPE:**

Expert quality tool for spitting and re-joining most types of cam, bicycle and motorcycle drive chain sizes, from #25, through to #520\*.

Any application other than that it was intended for, is considered misuse.

*\*Heavy duty #520 chain rivet heads must be ground off before removing.*

# HEALTH & SAFETY INFORMATION

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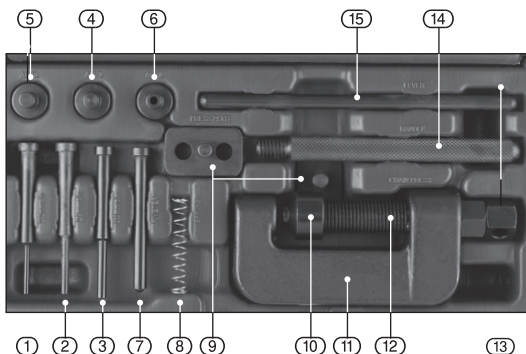
## **GENERAL SAFETY INSTRUCTIONS**

**Warning!** Ensure you adhere to all Health and Safety, local authority and general workshop regulations when using this product.

Fully understand the application of this product, along with the limitations and any potential hazards in the course of its use.

- Ensure the product is maintained in the course of its use and is kept in good condition. Replace or repair the product if damaged. Use genuine parts only. The use of unauthorised parts or repairs could be dangerous and will invalidate the warranty.
- Always use this product in a clean, uncluttered and well lit work area.
- When working on or in the vicinity of a motorcycle, ensure it is positioned and secured safely.
- **Warning!** Wear approved safety eye protection (normal spectacles will not provide adequate protection).
- Remove any loose clothing, along with ties, watches rings and other loose jewellery. Long hair must be tied back.
- Keep children and unauthorised persons away from the working area.
- Only use this product for the task it is intended to perform.
- Do not use the product if you are tired or under the influence of alcohol, drugs or medication.
- When not in use, store the product in a dry, childproof location.

## TECHNICAL DESCRIPTION



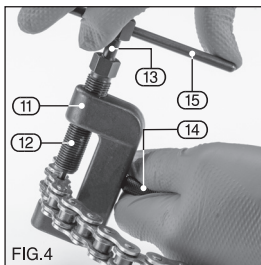
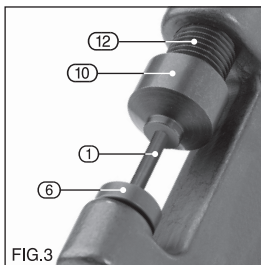
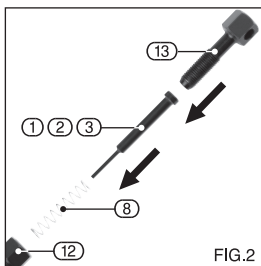
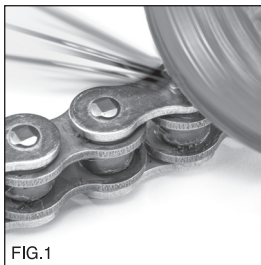
- |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>① 2.2mm Press pin.</li> <li>② 2.9mm Press pin.</li> <li>③ 3.8mm Press pin.</li> <li>④ 2.9mm Press anvil.</li> <li>⑤ 3.8mm Press anvil.</li> <li>⑥ 2.2mm lower guide.</li> <li>⑦ Rivet tip.</li> <li>⑧ Press pin spring.</li> </ul> | <ul style="list-style-type: none"> <li>⑨ Press plates.</li> <li>⑩ 2.2mm Upper tip guide.</li> <li>⑪ Press body.</li> <li>⑫ Alignment bolt.</li> <li>⑬ Extractor/push bolt.</li> <li>⑭ Handle.</li> <li>⑮ 'T' bar lever.</li> </ul> |
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Press pin size	For chain size
2.2mm	Cam chain
2.9mm	#25 to #35
3.8mm	#428 to #520

# OPERATION AND USE

## CHAIN SPLITTING (REMOVING A CHAIN LINK PIN) – FIGS.1 – 4

- For heavy duty chains – e.g #520\*, the rivet head must be ground off first.
- Assess the correct size press pin (1), (2) or (3) required for the chain being worked on.
- Place the press pin into the alignment bolt (12), followed by the chosen press pin.
- Screw the extractor/push bolt (13) into the alignment bolt. As the extractor/push bolt is screwed in, the tension will start to be taken up by the spring inside.
- Screw the handle (14) into the tool body (Fig.4).
- When using the smallest press pin (2.2mm) (1), the upper guide and lower guides must be used in order to prevent breakage of the tip. The upper guide (10) is screwed onto the end of the alignment bolt (12) and the 2.2mm lower guide (6) fits into the bottom of the tool body (Fig.3).
- Seat the chain within tool. The tip of the press pin must be withdrawn approximately 2mm into the alignment bolt.
- Wind the alignment bolt down directly over the chain rivet to be removed, so that the chain is held in place by the alignment bolt and the bottom jaw of the tool body.
- Insert the 'T' bar lever (15) through the hole in the extractor/push bolt (13) and wind the bolt down until the chain pin is pushed all the way out through the hole (11.1) in bottom jaw of the press body.
  - If the pin is not pushing down smoothly, check that the press pin is properly aligned with the link pin. Excess force on a misaligned press pin will damage the pin.
- Withdraw the extractor/push bolt and breaker pin, loosen alignment bolt and remove.



# OPERATION AND USE

## RIVETING (INSERTING A CHAIN LINK PIN) – FIGS.5 – 6

The rivet tip (7) and anvil (4)/ (5) must be fitted in place on the tool following the same procedure for setting up the tool with a press pin.

– Assemble the chain and the link that are to be joined using a brand new rivet pin.

- Do not re-use the original pin.
- Do not use a split pin type connecting link.

– Turn the extractor/push bolt (13) to push the link all the way through the chain link.

– If the pin is resistant to go in, it is possible to use the rivet tip (7), withdrawn 2mm into the alignment bolt (12), then tighten until the pin pushes through the link.

– An equidistant length of pin should be visible on either side of the link.

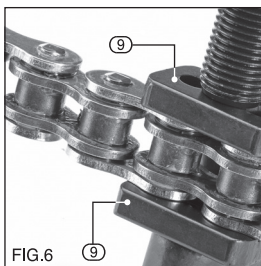
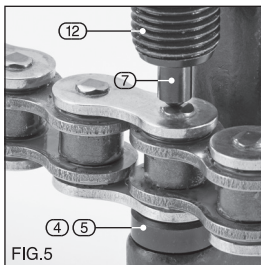
– Fit the tool over the pin to be riveted. The rivet tip must be withdrawn 2mm into the alignment bolt, then tighten the alignment bolt securely against the chain.

– Tighten the extractor/push bolt (13). The rivet tip will flare both ends of the chain link pin to securely hold the pin in place.

– Repeat procedure with the other link pin.

– Remove the tool from the chain. Visually check that both chain link pins show the same flared ends and that the rivets on the side plates are in alignment with the side plates on either side.

**Note:** You may also use the press plates (9) to flare the ends of the pins (Fig.3). Use the press plate with the two holes in the upper jaw and the grooved press plate in the lower jaw. You can also use a combination of rivet pin and lower press plate (Fig.4).



## DISPOSAL

– At the end of the product's working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.

– Contact your local authority for details of collection schemes in your area.

– In all circumstances:

- Do not dispose of tools with domestic waste.
- Do not incinerate.

# EXPLANATION OF SYMBOLS

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Read the instruction manual.



Wear safety glasses.



Wear protective gloves.



**Warning!**



Do not abandon into the environment.

# CONTACTS

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