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Original Instructions
Version 1
December 2024

TRIPLE LEG **REVERSIBLE PULLER**

11805



1.1 Product Reference

User Manual for: Triple Leg Reversible Puller

Stock No: 11805

Part No: TLRP-SET

1.2 Revisions

Version 1: December 2024

First release

2.1 Intended Use

These three-legged pullers are designed to remove gears, bearings, fan belts etc. from shafts or holes. The reversible legs can be repositioned to achieve various reach and spread configurations.

Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

Read this manual in full before using this product and retain it for future use. Always use the latest version of the manual.

Please visit drapertools.com/manuals for the latest version.

2.2 Specification

Stock No.	11805
Part No.	TLRP-SET
Screw hardness	38 – 42HRC
Net Weight (approx.)	4kg

Puller 1

Maximum Reach X Spread	65 X 75mm
Central screw /Striking head hex size	12mm/14mm

Puller 2

Maximum Reach X Spread	80 X 100mm
Central screw /Striking head hex size	14mm/17mm

Puller 3

Maximum Reach X Spread	180 X 200mm
Central screw /Striking head hex size	18mm/20mm

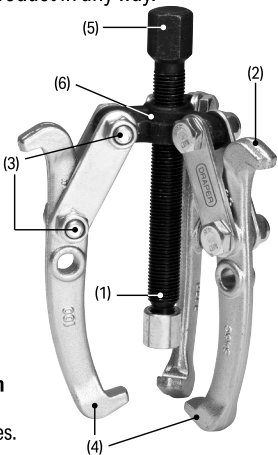
3 Health and Safety Information

Important: Read all the Health and Safety instructions before attempting to operate, maintain or repair this product. Failure to follow these instructions may result in injury or damage to the user, the product or the workpiece.

- **ALWAYS** refer to the vehicle manufacturer's instruction manual; to identify and operate the most appropriate tool for each vehicle.
- Observe all standard safety precautions and good practices when in a workshop environment and working with vehicles.
- Wear appropriate eye or face protection and protective gloves.
- Before each use, inspect the product for broken, cracked, loose or corroded parts. **Important: DO NOT** use this product if it damaged in any way.
- **ALWAYS** ensure that the tool is fitted squarely to the part to be removed.
- **DO NOT** exceed the rated reach or spread for the puller.
- **DO NOT** use wrench extensions or apply excessive pressure when tightening the forcing screw.
- Apply force gradually. **DO NOT** use an impact wrench.
- Take care in situations where the sudden release of pressure or resistance may cause injury or damage.
- Where possible, keep the puller and parts covered during operation to protect yourself from flying debris.
- Maintain good balance during use and brace yourself to accommodate a sudden release of pressure.
- **DO NOT** modify this product in any way.

4. Identification

- (1) Forcing screw
- (2) Leg connector
- (3) Link nuts
- (4) Puller legs
- (5) Striking head
- (6) Triple head



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5 Operation

Important: Before using this product, read and understand all the safety instructions listed in this manual.

5.1 Important Notes on Use

- Remove any rust from the shaft and parts before installing the puller.
- Lubricate the part to be removed around the shaft and bore to reduce the friction against the shaft.
- **ALWAYS** ensure the forcing screw (1) is positioned centrally on the shaft and that both legs are securely seated against the part to be removed.
- **ALWAYS** use the largest suitable puller that can be accommodated for the part to be removed.
- Tightening the forcing screw (1) will increase the grip of the self-locking legs.
- The link nuts (3) must **NOT** be locked tight, or they may damage the tool.
- Clean and lubricate the forcing screw (1) before and after **EVERY** use.

5.2 Configurations

- The puller legs (4) can be fitted in various orientations to achieve different reach and spread configurations:
 - Rotate the legs lengthways to adjust the reach of the tool.
 - Rotate the legs widthways to switch from external to internal gripping of the part to be removed.
 - Remove the leg connectors (2) entirely and attach the legs directly to the triple head (6) for the smallest reach and spread range achievable for this tool.
- To rotate the legs, loosen the link nuts (3) and remove the legs from the connectors (2). Then rotate the legs as appropriate and refit.
- The legs can also be bolted directly to the triple head (6) if the connectors are removed.

5.3 Basic Reverse Puller Operation

1. Ensure that the shaft and part to be removed are clean and free from corroded material.
2. Rotate the striking head (5) anticlockwise to withdraw the forcing screw (1) and provide sufficient reach.

3. Locate the puller legs (4) around the workpiece and hand tighten the forcing screw (1) until contact is made with the shaft.

- **Important:** Ensure that the forcing screw is positioned at the centre of the shaft or part before tightening. Check the forcing screw and leg positions frequently to ensure a firm and secure grip.
4. Once the puller is positioned correctly and its grip is secure. Use a suitable tool to tighten the forcing screw further to draw the part off the shaft.
 5. Hit the striking head (5) with a soft face hammer as the forcing screw is tightened. Check the forcing screw and leg positions frequently.



CAUTION! Attempting to remove parts using the forcing screw alone may stress the triple head and screw thread and damage the tool. Refer to the vehicle manufacturer's manual for the correct procedure for this tool for each part.

6. Maintenance, Storage and Disposal

- Clean and lubricate the forcing screw (1) and triple head (6) before and after **EVERY** use.
- Keep the puller free from dust and debris.
- Ensure the link nuts (3) **DO NOT** become overtight.
- Before storing the puller, wipe it thoroughly with a lightly oiled cloth to prevent corrosion.
- Store the puller in a clean dry environment, out of the reach of children.
- At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

7. Warranty

Lifetime - Visit [drapertools.com/warranty](https://www.drapertools.com/warranty) for more information.

8. Explanation of Symbols



Read the instruction manual



Wear appropriate eye protection

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