



200kg LOW TRANSMISSION JACK 09021

EN

Original Instructions
Version 1 – July 2023

This document is part of the product; retain it for the life of the product, passing it on to subsequent holders. Read this manual in full before attempting to assemble, operate, or maintain this product. Always use the latest version of the product manual, available from drapertools.com/manuals

1. Intended Use

This product is designed for lifting and lowering transmission systems and differentials within the rated capacities during installation and removal. Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

Important: This product is **NOT** suitable for elevating or supporting vehicles.

Part of our core range, this product is suitable for regular use by enthusiasts and tradespersons alike.

2. Specification

Stock No.:	13885
Part No.:	RC/TSL/50W
Rated. capacity:	200kg
Max. height:	600mm
Min. height:	160mm
Base dimensions:	L 400 x W 417mm
Drive socket square drive size:	1/2"
Saddle type:	Fixed
Net weight:	19.55kg

3. Health and Safety Instructions

Important: Read all the Health and Safety instructions before attempting to operate, maintain or repair this product. Non-compliance with these instructions may result in injury or damage to the user, the product or the load.

3.1 General Health and Safety Instructions for this Product

- Only personnel who have read and understood this manual and are trained in the use of this product and the relevant forces are authorised to operate this device.
- Observe all standard safety precautions and good practices when in a workshop environment.
- Keep your work environment clear and well-lit, with bystanders at a safe distance.
- Before every use, inspect the jack for broken, cracked, loose or corroded parts.
Important: DO NOT use this product if it is damaged in any way. Contact Draper Tools to discuss repair and replacement options.
- **DO NOT** use this product if you suspect that it has been subjected to abnormal loads or shock and have it inspected by a qualified technician.
- Ensure that the warning labels and safety instructions on the product are visible and legible.
- Use the product only in the manner instructed in this manual and **DO NOT** modify it in any way.
- **ONLY** use spare parts supplied by Draper Tools.
- **DO NOT** use this product if you are tired or under the influence of alcohol, drugs or other medication.
- **ALWAYS** wear eye protection and protective gloves and footwear when operating the jack.

- Keep loose-fitting clothes, jewellery and long hair tied back to prevent it from snagging during operation.
- The wheels of this product **DO NOT** lock.
 - Ensure that the jack will not roll once positioned for use.
- **ALWAYS** ensure that the load is stable and secure in the saddle before raising, lowering or transporting it.
- Before moving the jack, **ALWAYS** inspect the intended route and ensure that it is clear of obstructions.
- Take care when moving the jack.
 - **ALWAYS** ensure that the load is fully secure before moving the jack.
 - **DO NOT** use the jack on uneven surfaces that may cause it to tip over.
 - **ALWAYS** bring the load to its lowest possible position before transportation.
 - Stay alert for trailing straps that may interfere with the movement of the jack, especially when under load.
- **NEVER** leave the jack unattended when it is in use or under load.
- When not in use, ensure that the lifting arm is in its lowest position and the release valve is fully closed.
- This jack does not emit noise that exceeds a level of 70 dB(A) during operation.

 **WARNING! If the jack tips or leans while under load, move immediately to a safe distance. DO NOT attempt to steady or hold the jack.**

3.2 Correct Use of the Transmission Jack

 **CAUTION! This product is designed to support loads for short periods ONLY. DO NOT use this product to support a load for longer than 30 minutes at a time.**

- **ONLY** operate the jack on solid, level and horizontal surfaces; a concrete surface is recommended, where possible.

 **WARNING! NEVER use the jack on any surface that is slippery or may sink or rock.**

- **NEVER** attempt to lift or support any load that exceeds the rated capacity of the jack.
- **NEVER** attempt to lift any load higher than the maximum safe height of the jack.
- When attaching a load to the jack, **ALWAYS** use the manufacturer's recommended contact points.
- Ensure that the contact points are not dirty, greasy or corroded.
- **ALWAYS** ensure that the load is fully detached from its surroundings before moving it.

- **NEVER** allow anyone to position themselves or other obstructions beneath the load during raising and lowering or below any load supported only by the jack.
- **DO NOT** stand or climb on the jack.
- Observe the saddle and load throughout the operation and ensure that it does not drop without intervention.
- Take all precautions to prevent movement of the load during raising and lowering.
 - Be aware that external forces may cause the load to rock.
- Stay alert to external interference that may cause the raised load to rock during preparation and operation.
 - Should any dangerous conditions occur, cease all operation until these conditions have been rectified.
- Stay alert to the possibility of the load slipping from the saddle and remain observant at all times.
- **ALWAYS** ensure that the vehicle is raised to the correct height before attempting to move the jack underneath it.
- **ALWAYS** ensure that the vehicle is level and adequately supported before removing the transmission or differentials.
- Take any necessary precautions to prevent the vehicle from sliding, including chocking the wheels (Rubber Wheel Chocks, Stock No. 54500, for example).
- **DO NOT** move the jack further than is absolutely necessary while under load.
 - **ALWAYS** ensure that the route from the location of engine to its destination is clear of obstructions and is as short as possible.
- **ALWAYS** use a ratchet or breaker bar that allows the operator to remain clear of the load during operation.

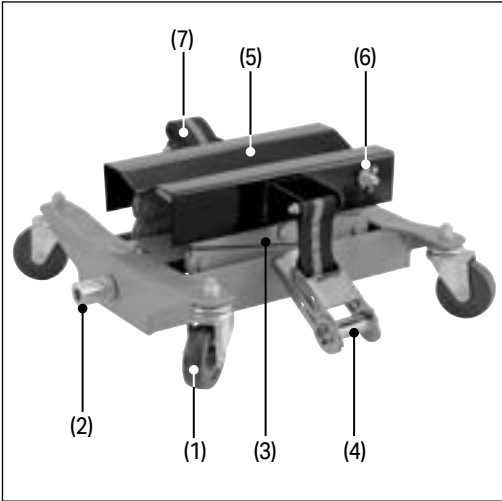
 **WARNING! NEVER operate this tool using an impact wrench or other power tool.**

 **WARNING! NEVER work under an unsupported vehicle.**

3.3 Residual Risk

The safety instructions in this manual cannot account for all possible conditions and situations that may occur. Exercise common sense and caution when using this product and protect against any additional conceivable risks.

4. Product Overview



- (1) Castors
- (2) Drive socket
- (3) Lifting arm
- (4) Ratchet
- (5) Saddle
- (6) Saddle tilt adjustment screws
- (7) Strap

5. Operating Instructions

Important: Before lifting any load, read and understand all the safety instructions listed in this manual.

Important: ALWAYS test the jack thoroughly and ensure that all bolts and attachments are securely fastened before use. Observe the load at all times during operation.



CAUTION! This product is for lifting transmission systems and differentials ONLY. DO NOT use this product to suspend equipment for prolonged periods.

1. Raise the vehicle to an appropriate height and secure it on suitable supports (not supplied).
2. Move the jack into position beneath the vehicle.
3. Loosen the saddle tilt adjustment screws (6) and open the strap using the ratchet (4); see **6.2 Loosening the Strap**.
4. Use a 1/2" square drive ratchet to rotate the drive socket (2) clockwise to extend the lifting arm (3) until the saddle (5) contacts the transmission system.
Important: Allow the saddle to tilt as appropriate to seat itself firmly beneath the load.
5. Firmly tighten the saddle tilt adjustment screws to secure the saddle in place.
6. Ensure that the load's centre of gravity is positioned centrally on the saddle, then carefully extend the lifting arm a little further to transfer the weight of the load from the vehicle to the jack.
7. Detach the transmission system from the vehicle, ensuring that movement of the load is not obstructed in any way.
8. Check that the saddle is securely and comfortably holding the load and does not show signs of stress.
9. Pass the strap over the load and secure it tightly in place using the ratchet; see **6.1 Tightening the Strap**.
10. Ensure that no one is present beneath the load and that the load can be lowered without obstruction, then slowly and carefully operate the drive socket anticlockwise to lower the load to its lowest position.
Important: Keep clear of the load while operating the drive socket.
11. Check the saddle again for signs of stress or poor seating of the load.
12. With the lifting arm in its lowest position, manoeuvre the jack to a suitable workspace to operate on the load.
13. When work is complete, perform this procedure in reverse to install the transmission system back into the vehicle.

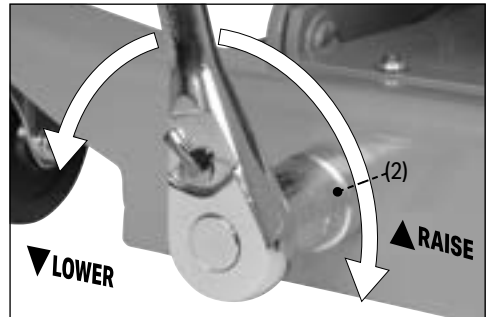


Fig. 1

6. Using the Strap and Ratchet

Use the strap (7) and ratchet (4) to secure the load firmly to the saddle.

Important: ALWAYS ensure that the strap is not twisted or pressing against fragile parts of the load.

6.1 Tightening the Strap

1. Operate the empty ratchet until the slot (8) in the windlass (9) is perpendicular to the ratchet handle (10) when the handle is closed.

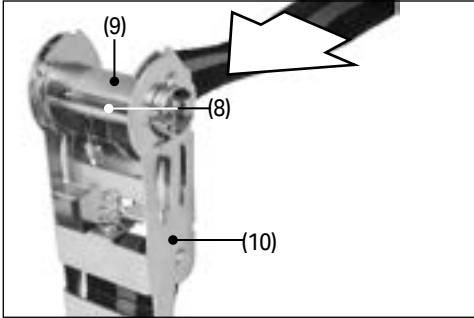


Fig. 2

2. Pass the strap over the top of the load and insert the free end through the slot in the windlass.
Important: The strap **MUST** be inserted through the back of the mechanism towards the ratchet handle.
3. Double the strap back on itself and pull it tight.

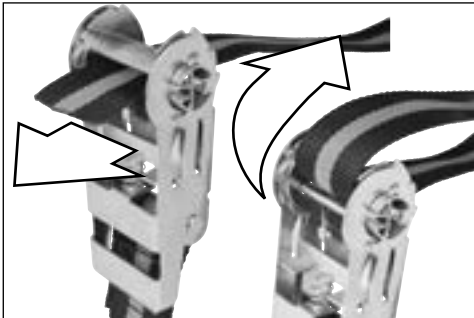


Fig. 3

Important: Pull through as much excess as possible before operating the ratchet.

4. Pump the ratchet handle down and up repeatedly to tighten the strap.
5. Ensure that the strap is securely fastened and tight around the load and that the ratchet strap is closed.

6.2 Loosening the Strap

1. Pull the C-shaped pawl (11) away from the windlass (9) and fully open the ratchet handle (10) so the mechanism is completely flat.

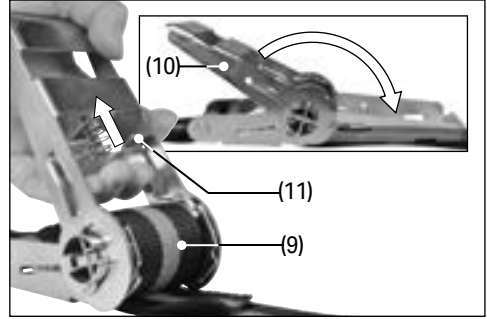



Fig. 4

2. Holding the ratchet handle in its open position, pull on the fixed end of the long strap (7) until the loose end runs free of the windlass.
3. To close the ratchet handle, pull the C-shaped pawl away from the windlass and move the handle to the closed position.

7. Maintenance, Storage and Disposal

Important: Maintenance and repair of the jack must only be performed by qualified personnel and in accordance with these instructions. **DO NOT** perform any maintenance that will invalidate this product's compliance with BS EN 1494.

 **WARNING! DO NOT attempt to perform any maintenance on the jack while it is under load. Safely lower and remove any load from the jack and drop the lifting arm to its lowest position before proceeding.**

- Keep the jack clean and regularly treat all moving parts with heavy oil or grease.
- Protect the jack and its components from adverse environmental and weather conditions, both during use and when stored.
 - Components may rust if exposed to water or damp air for prolonged periods.
- Before each use, check the jack for signs of damage or disrepair.
- When the jack is not in use:
 - Remove any load installed on the jack and bring the saddle to its lowest position.
 - Store the jack in a clean and dry location, out of reach of children.
 - Keep the jack covered while it is stored.

At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

8. Warranty

Should the tool develop a fault, return the complete tool to your nearest distributor or contact Draper Tools directly. Proof of purchase must be provided.

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 covers parts and labour for 12 months from the date of purchase. However, if the tools are hired out, the warranty period is 90 days from the date of purchase.

This warranty does not apply to any consumable parts, batteries 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 Tools repair agent.

Visit drapertools.com/warranty for full details.

9. Explanation of Symbols



Read the instruction manual



Warning!



Mandatory action required



Minimum height



Maximum height



Maximum capacity



Product weight (net)



European conformity



UK Conformity Assessed

Contact Details

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