DEF AD28-SI

DEF TST-129 RV Jack Drill Adapter User Manual

Model: AD28-SI



Image: The DEF TST-129 RV Jack Drill Adapter, a silver-colored metal tool designed to connect a power drill to a scissor jack.

Introduction

This manual provides instructions for the safe and efficient use of the DEF TST-129 RV Jack Drill Adapter. This adapter is designed to convert manual scissor jacks for operation with a power drill, significantly reducing the effort and time required for raising and lowering RV or trailer jacks. It is compatible with 3/8-inch and 1/2-inch power drills.

Safety Information

- Always ensure the drill adapter is securely seated in both the power drill chuck and the scissor jack mechanism before operation.
- Use appropriate personal protective equipment, such as safety glasses, when operating power tools.
- Do not exceed the maximum torque rating of your power drill or the scissor jack.
- Keep hands and loose clothing clear of moving parts during operation.
- Ensure the RV or trailer is on a stable, level surface before operating jacks.
- Never work under a vehicle supported only by jacks. Always use jack stands.

Package Contents

- 1 x DEF TST-129 RV Jack Drill Adapter

Setup

1. **Select a Power Drill:** Ensure your power drill is compatible with either a 3/8-inch or 1/2-inch chuck. A cordless drill with sufficient torque is recommended for ease of use.
2. **Insert Adapter into Drill:** Open the chuck of your power drill. Insert the hexagonal shaft of the TST-129 adapter into the chuck. Tighten the chuck securely to prevent the adapter from slipping during operation.
3. **Connect to Scissor Jack:** Align the slotted end of the adapter with the drive mechanism of your RV or trailer scissor jack. The adapter is designed to fit RTP tripod sockets and mechanical quad sockets. Ensure the adapter fully engages with the jack's drive.



Image: A close-up view of the slotted end of the drill adapter, designed to engage with a scissor jack's drive mechanism.

Operating Instructions

1. **Prepare the Jack:** Position the scissor jack under the designated lifting point of your RV or trailer.
2. **Engage the Adapter:** As described in the Setup section, securely connect the adapter to both the drill and the scissor jack.
3. **Raise/Lower the Jack:** Using your power drill, slowly activate the drill in the desired direction (forward for raising, reverse for lowering). Monitor the jack's movement carefully.
4. **Stop Operation:** Release the drill trigger once the desired height or position is achieved.
5. **Disconnect:** Once the task is complete, remove the adapter from the scissor jack, then from the power drill.

Note: For optimal performance and to prevent damage, avoid rapid or jerky movements. The adapter is designed to reduce manual effort, not to speed up the jacking process excessively.

Maintenance

- **Cleaning:** Wipe the adapter clean with a dry cloth after each use to remove dirt, grease, or debris.

- **Storage:** Store the adapter in a dry place, away from moisture and corrosive materials, to prevent rust and prolong its lifespan.
- **Inspection:** Periodically inspect the adapter for any signs of wear, damage, or deformation. Discontinue use if any damage is observed.

Troubleshooting

- **Adapter slips in drill chuck:** Ensure the drill chuck is tightened sufficiently. The adapter's hexagonal shaft is designed for a secure grip.
- **Adapter does not engage with jack:** Verify that the scissor jack's drive mechanism is clean and free of obstructions. Ensure the adapter is fully inserted and aligned.
- **Jack movement is slow or difficult:** Check the power drill's battery level (if cordless) or power supply. Ensure the drill is set to a suitable torque setting for the task.

Specifications

Feature	Detail
Model Number	AD28-SI
Compatible Drill Chuck Sizes	3/8 inch and 1/2 inch
Material	Zinc Plated Metal
Dimensions (L x W x H)	1.5 x 2.8 x 1.4 inches (approximately)
Item Weight	3.2 ounces



Image: A technical diagram illustrating the dimensions of the DEF TST-129 RV Jack Drill Adapter, including length, width, and shaft diameter.

Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official DEF product support website. Keep your purchase receipt as proof of purchase.

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