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› Albion Engineering DL-45-T14E Professional Line Cordless Sausage Caulking Gun, 18V, 20 oz 18V Cordless Drive User Manual

Albion DL-45-T14E

Albion Engineering DL-45-T14E Cordless Sausage Caulking Gun User Manual

Model: DL-45-T14E | Brand: Albion Engineering

1. INTRODUCTION

The Albion Engineering DL-45-T14E is a powerful 18-Volt cordless caulking gun designed for dispensing sausage pack adhesives and sealants. This tool offers enhanced efficiency and control compared to traditional manual guns, featuring a robust 18-Volt Lithium-Ion Battery for extended use and quick recharging. It is engineered to provide significant thrust for smooth and consistent material flow, making it ideal for professional applications.



Figure 1: Albion Engineering DL-45-T14E Cordless Sausage Caulking Gun.

2. KEY FEATURES

- **18V Cordless Drive:** Provides 950 lbf of thrust and 300 psi pressure for efficient dispensing.
- **Versatile Capacity:** Designed for 20oz (600ml) sausage packs, also compatible with 10oz and 13oz sausages.
- **Enhanced Speed:** Dispenses an entire load in approximately 30 seconds at full speed.
- **Increased Power:** Offers 3 times the thrust of a standard manual drive caulking gun.
- **Total Flow Control:** Features instant drive disengagement upon trigger release to prevent drips.
- **Ergonomic Design:** Reduces wrist strain during prolonged use.
- **Adjustable Dispensing Control:** Variable trigger speed for precise application.
- **Long Battery Life:** Dispenses over 150 loads on a single battery charge (may vary based on material viscosity).
- **Complete Kit:** Includes the gun, 21-20 Teflon and 21-24 Hytrel Pistons, 235-3 Disposable Orange Plastic Cones, 982-5 18V Lithium-Ion Battery Pack, and 982-21 Fast 30-minute Charger.

3. WHAT'S IN THE BOX

Your Albion Engineering DL-45-T14E Cordless Sausage Caulking Gun package includes the following components:

- DL-45-T14E Cordless Sausage Caulking Gun
- 18V Lithium-Ion Battery Pack (Model 982-5)
- Fast 30-minute Charger for 18V Lithium-Ion Battery (Model 982-21)
- 21-20 Teflon Piston
- 21-24 Hytrel Piston
- 235-3 Disposable Orange Plastic Cones

COMMERCIAL CONSTRUCTION

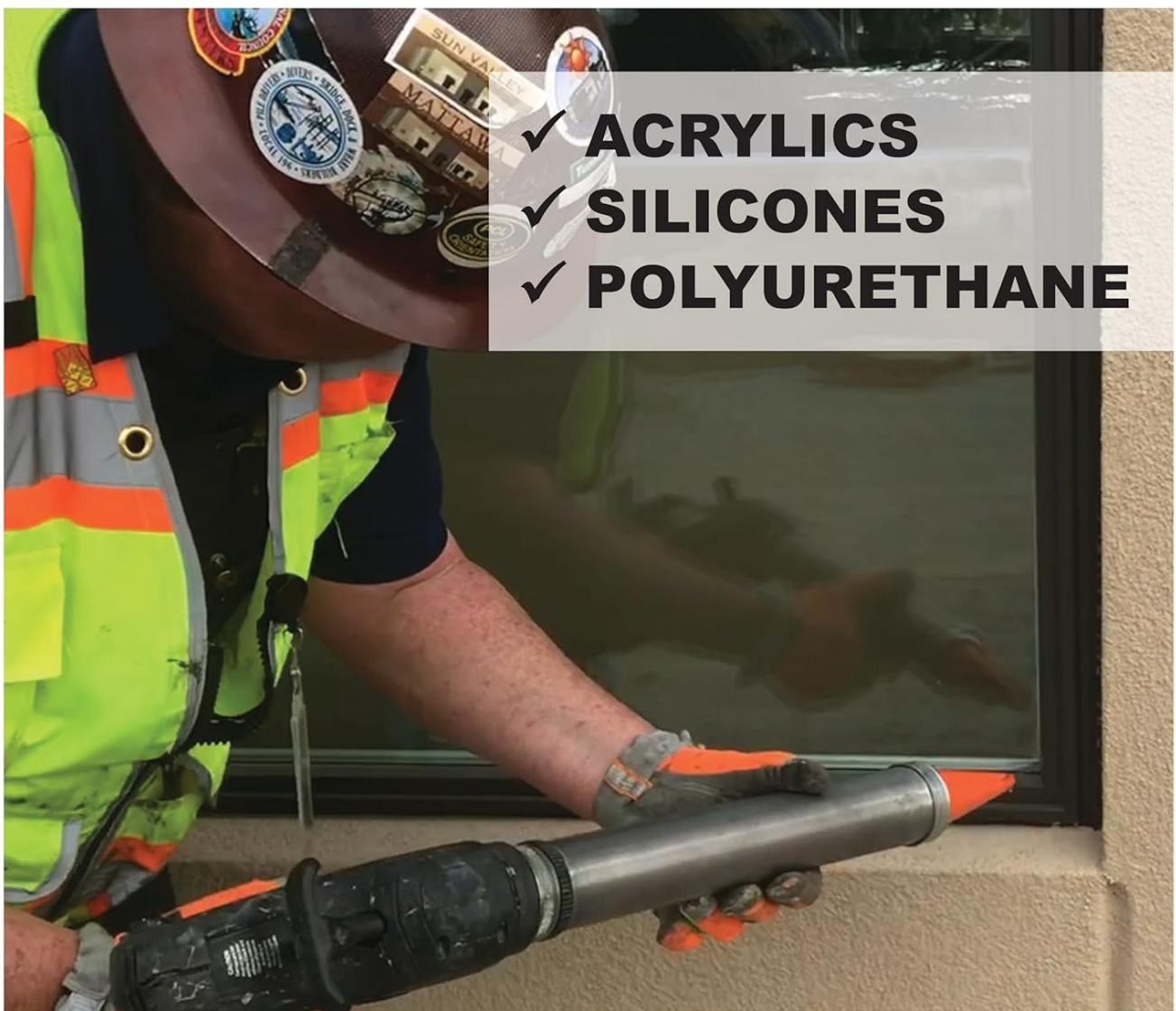


Figure 2: Included 18V Lithium-Ion Battery and Fast Charger.

4. SETUP

4.1 Charging the Battery

1. Connect the charger (Model 982-21) to a standard electrical outlet.
2. Insert the 18V Lithium-Ion Battery Pack (Model 982-5) into the charger.
3. Allow the battery to charge fully. The charger typically indicates full charge within 30 minutes.
4. Remove the battery from the charger once fully charged.

4.2 Loading a Sausage Pack

1. Ensure the gun is turned off and the trigger lock is engaged.
2. Unscrew the front cap of the gun barrel.
3. Insert the sausage pack into the barrel, ensuring it is fully seated.
4. Attach the appropriate piston (21-20 Teflon or 21-24 Hytrel) to the rear of the sausage pack.
5. Screw the front cap back onto the barrel securely.
6. Attach a 235-3 Disposable Orange Plastic Cone or other suitable nozzle to the front cap.

20oz SAUSAGE



**Includes Metal Nozzle
& Adapter!**



18V Cordless Model 950lbs of Dispensing Power



Figure 3: The DL-45-T14E is designed for 20oz sausage packs and includes a metal nozzle adapter.

5. OPERATING INSTRUCTIONS

5.1 General Operation

1. Ensure the battery is fully charged and properly inserted into the gun.
2. Load the desired sausage pack and nozzle as described in Section 4.2.
3. Disengage the trigger lock.
4. Adjust the speed dial (if present on your model) to the desired dispensing rate.
5. Press the trigger to begin dispensing material. The gun features smooth, powered dispensing with instant drive disengagement upon trigger release to prevent excess material flow.
6. Release the trigger to stop dispensing.

FULL CONTROL - VARIABLE SPEED TRIGGER WITH MAX SPEED DIAL AND AUTO REVERSE FOR NO-DRIP.

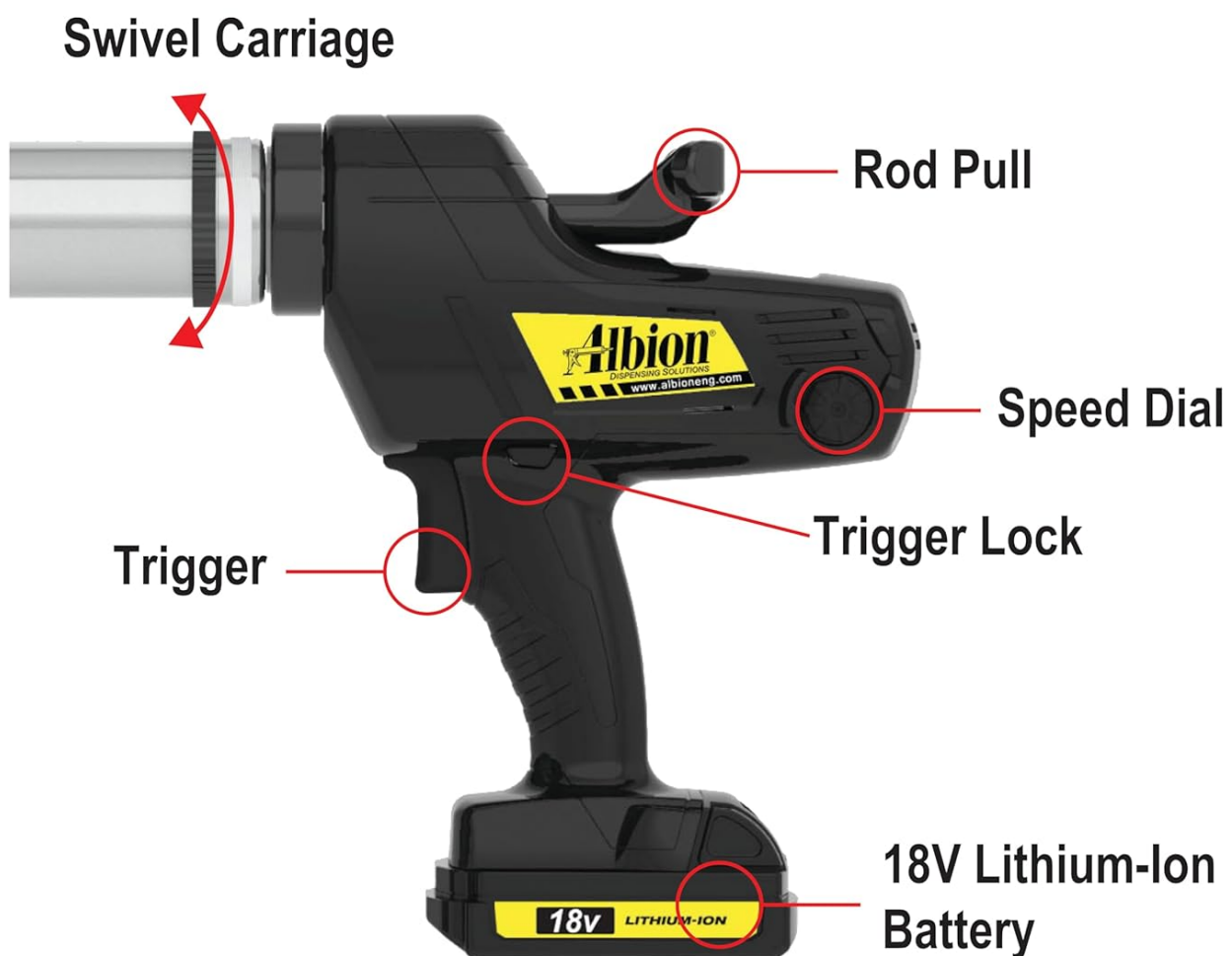


Figure 4: Key operational components including Swivel Carriage, Rod Pull, Speed Dial, Trigger, and Trigger Lock.

5.2 Application Tips

- For best results, maintain a consistent speed and angle during application.

- The powerful thrust of the DL-45-T14E allows for smooth dispensing even with high-viscosity materials.
- This tool is suitable for various applications, including commercial construction, and can dispense acrylics, silicones, and polyurethane.



**LONG LASTING 18 VOLT
LITHIUM-ION BATTERY CAN
DISPENSE UP TO 100 CARTRIDGES
ON A SINGLE CHARGE**
*will vary based on material viscosity

Figure 5: The DL-45-T14E is suitable for commercial construction applications with various sealants.

5.3 Operational Video

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Video 1: Demonstration of an Albion Cordless Sausage Gun in use for sealing a curtain wall with silicone. This video showcases the smooth, powered dispensing capability of Albion's 18V cordless guns, which push with 950 lbs of force. The specific model shown is the DL-45-T14E, using nozzle 935-3 and hook pull #310-1.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your caulking gun.

- **Cleaning:** After each use, clean any excess material from the gun barrel, nozzle, and pistons. Use appropriate solvents for

the type of sealant dispensed.

- **Storage:** Store the gun in a clean, dry place away from extreme temperatures. Remove the battery if storing for extended periods.
- **Battery Care:** Keep the battery charged. Avoid fully discharging the battery frequently to prolong its lifespan.
- **Inspection:** Periodically inspect the gun for any signs of wear or damage, especially to the barrel, pistons, and electrical connections.

7. TROUBLESHOOTING

If you encounter issues with your DL-45-T14E, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Gun not dispensing material	Battery low or not inserted correctly; Trigger lock engaged; Nozzle clogged; Sausage pack empty or improperly loaded.	Charge battery and ensure proper insertion; Disengage trigger lock; Clear nozzle obstruction; Replace or properly load sausage pack.
Inconsistent material flow	Low battery; Material too cold/viscous; Worn piston.	Recharge battery; Warm material to recommended temperature; Replace piston if worn.
Gun stops during operation	Overload protection activated; Battery depleted.	Release trigger, allow gun to cool, then resume; Recharge battery.

If the issue persists, contact Albion Engineering customer support.

8. SPECIFICATIONS

Attribute	Detail
Model Number	DL-45-T14E
Power Source	18V Lithium-Ion Battery (included)
Thrust	950 lbf
Pressure	300 psi
Barrel Diameter	2 inches
Compatible Sausage Sizes	10 oz, 13 oz, 20 oz (600 ml)
Package Dimensions	29.2 x 10.5 x 3.7 inches
Weight	11.3 Pounds
Manufacturer	Albion Engineering Company

9. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or replacement parts, please contact Albion Engineering Company directly. Refer to the official Albion Engineering website or your purchase documentation for the most current contact details and warranty terms.

You can visit the Albion Store on Amazon for more information: [Albion Engineering Company Store](#).

