

TOOL AND MACHINERY GUIDE



402-253-2772

WEBSITE: WCWRAIL.COM

Title: E and F Coupler Lifter

Prepared By: Wulf's Custom Welding

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SUBJECT: E and F COUPLER LIFTER

Capacity: This fixture has a rated capacity of 600 pounds.

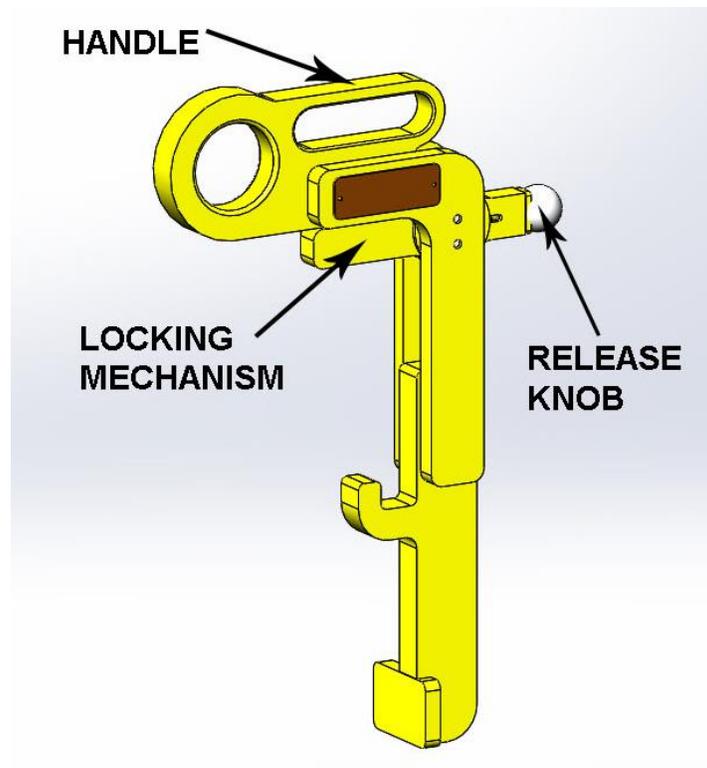


FIGURE 1

TECHNICAL SPECIFICATIONS:

Available Through:

Wulf's Custom Welding
19102 So. 156th Street
Springfield, NE 68059
Tel: 402-253-2772
Fax: 402-253-9092
Website: wcwrail.com
Reference Part Number: 0168-2

Fixture Weight: 25 Pounds

Base Construction Material: Grade 50 Steel

DESCRIPTION:

This fixture is designed to lift and transport standard length E and F style couplers. It is not intended for use on top shelf or extended length couplers. A built-in locking mechanism is designed to retain the fixture on the coupler during handling.

INSTRUCTIONS FOR USE: E and F COUPLER LIFTER

WARNING: Ensure freight car(s) is/are properly secured with hand brakes and/or chocks before attempting to perform any component repairs.

WARNING: Ensure Blue Flag protection is set in accordance with current operating rules before fouling any track or performing any type of repair work.

1. Inspect the lifting fixture for defects. Look for any bending or deformation. Remove the fixture from service if any defects or bending are found. Make sure the locking mechanism is working freely, and is located in the retracted position. (Figure 1).



FIGURE 2

2. Remove the coupler cross-key or connecting pin.
3. Use any crane, hoist, or forklift equipped with an approved hook type lifting device with this fixture. Use the built-in handle to maneuver the lifting fixture into place (Figure 1).
4. Insert the lifting fixture into the casting hole in front of the coupler face. The coupler knuckle may be either removed or installed for fixture use. If the coupler knuckle is installed, make sure the knuckle locking block is fully engaged (Figure 2). Apply upward pressure to seat the fixture in the casting. Make sure the fixture attachment point is fully engaged in the coupler.
5. After the fixture is fully seated, apply upward pressure on the locking mechanism until it contacts the top of the coupler casting. The locking mechanism will ratchet into place when pressure is applied (Figure 2).
6. Lift the coupler slightly and remove it from the draft gear (Figure 2). Do not lift the coupler any higher than necessary for removal. Applying pressure to the coupler after it contacts the draft arm could severely damage the fixture.

7. Move the coupler to the desired location for disposal and lower it to the
8. ground. Use the built-in handle to maneuver the coupler and fixture into the position.
9. Pull the release knob on the locking mechanism outward and rotate the mechanism to its upper position. The fixture may now be removed from the coupler.
10. Place the lifting fixture on the new coupler, and install it in the draft arm.
11. Remove the fixture from the forklift or crane and place it into its proper place of storage.

SAFETY PRECAUTIONS:

WARNINGS: Noncompliance could cause injury to employees

CAUTIONS: Noncompliance could cause damage to equipment

NOTES: Pertinent information

1. WARNING: Wear personal protective equipment in accordance with all current Safety Rules and requirements.
2. WARNING: Keep all parts of your body out from under any suspended load.
3. WARNING: Do not exceed the rated capacity of the lifting fixture. Never use the fixture for any purpose other than lifting standard length E & F style couplers.
4. WARNING: Do not use this fixture to lift extended length couplers.
5. CAUTION: **Only lift the coupler high enough to remove it from the draft gear. Applying pressure to the coupler after it contacts the draft arm could severely damage the lifting fixture.**