

TOOL AND MACHINERY GUIDE



402-253-2772

WEBSITE: WCWRAIL.COM

Title: Adjustable Long Shank Coupler Lifting Fixture

Prepared By: Wulf's Custom Welding

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SUBJECT: ADJUSTABLE LONG SHANK COUPLER LIFTING FIXTURE

Capacity: This fixture has a rated capacity of 700 pounds.

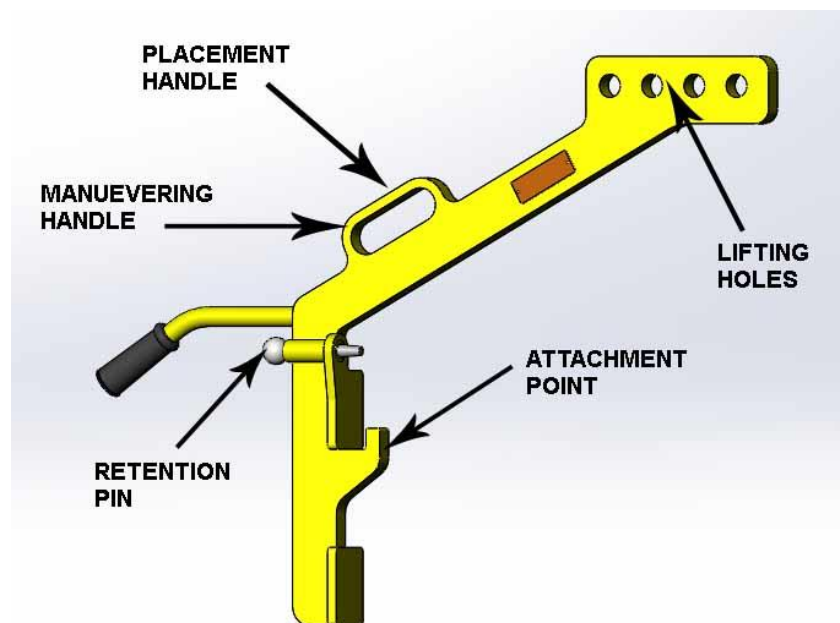


FIGURE 1

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: 0553-1

Fixture Weight: 41 Pounds

Base Construction Material: Grade 50 Steel

DESCRIPTION:

This fixture is designed to remove, install, and transport Long Shank E & F Couplers.

INSTRUCTIONS FOR USE:

ADJUSTABLE LONG SHANK COUPLER LIFTING FIXTURE

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. The retention pin must be installed and working properly. Make sure the I.D. Tag is in place and is legible. Remove the fixture from service if any defects are found (Figure 1).



FIGURE 2

2. Remove the coupler cross-key or connection pin, and the coupler knuckle. The coupler knuckle must be removed for fixture use.
3. Move the lifting shackle into the correct lifting hole for the type of coupler being handled.
4. Use any crane, hoist, or forklift equipped with an approved hook type lifting device with this fixture. Using the built-in placement handle, guide the lifting fixture into place in front of the coupler. (Figure 2).
5. Insert the lifting fixture attachment point into the casting hole in front of the coupler face. Make sure the fixture is fully seated in the coupler before lifting (Figure 2).
6. The retention pin should be fully engaged over the top of the coupler to ensure the fixture remains attached to the coupler during handling (Figure 2).
7. Lift the coupler slightly and remove it from the draft gear or cushioning device. Use caution when removing the coupler as it may move upward or downward if the correct lifting hole has not been engaged.
8. Move the coupler to the desired location for disposal and lower it to the ground. Use the built-in maneuvering handle to guide the coupler and fixture during transport.
9. Release the retention pin and remove the fixture from the coupler.
10. Place the lifting fixture on the new coupler, and install it in the draft arm or cushioning device.

11. Remove the fixture from the lifting device and place it into its proper place of storage after coupler installation is complete.

ERGONOMIC/SAFETY ADVANTAGES:

- This fixture provides a method of removing or installing Long Shank E & F couplers.
- It may be used with any hoist, crane, or forklift with equipped with an approved lifting device.
- Keeps the coupler in a balanced position during removal, handling and installation.
- Built in handles keep the operator's hands away from the coupler during handling.

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 when removing or installing couplers.
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 this fixture for any purpose other than lifting Long Shank Couplers.