

TOOL AND MACHINERY GUIDE



402-253-2772

WEBSITE: WCWRAIL.COM

Title: End Of Car Cushioning Device Lifting Fixture

Prepared By: Wulf's Custom Welding

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SUBJECT: END OF CAR CUSHIONING DEVICE LIFTING FIXTURE

Capacity: This Lifting Fixture has a rated capacity of 1,000 lbs.



FIGURE 1

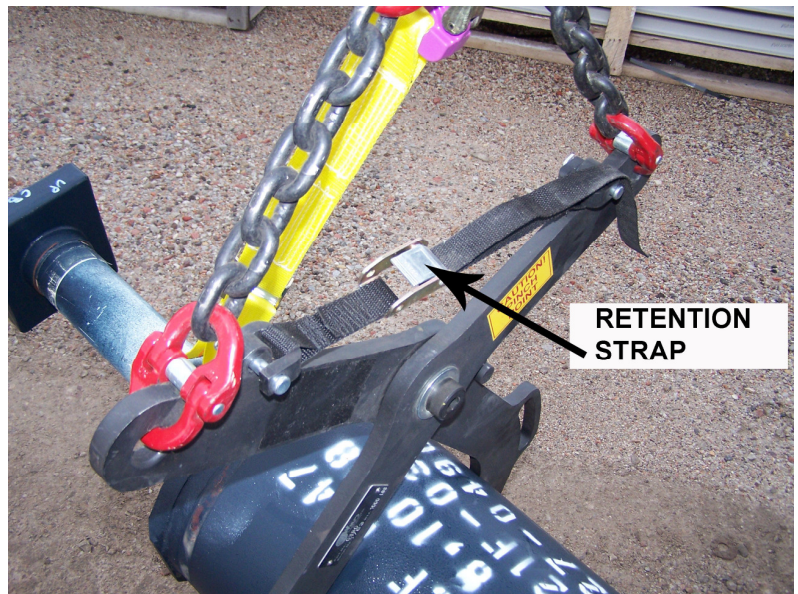


FIGURE 2

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: 0390

Fixture Weight: 65 Pounds

Base Construction Material: Grade 50 Steel With Grade 80 Lifting Components

DESCRIPTION:

This fixture is designed to lift and transport various styles of round body End Of Car Cushioning Devices. It has no other intended uses.

INSTRUCTIONS FOR USE:

END OF CAR CUSHIONING DEVICE LIFTING FIXTURE:

WARNING: Ensure freight car(s) is/are properly secured with hand brakes and/or chocks before attempting to perform draft gear assembly replacement.

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 lifter for defects. Make sure the Pivot Bolt is secure and the rubber lining is present in the gripping jaws. Check chain and connecting links for integrity. Make sure the chain links are properly lined up to prevent twisting during lifting (Figure 1).
2. Always use the provided handles to open or close the lifting fixture (Figure 3).
3. Make sure the nylon stabilizing strap is in place. Inspect the strap for fraying or other signs of damage. The safety latch must be in place on the sling hook (Figure 1)
4. Make sure the nylon retention strap is in place. Inspect the strap for fraying or other signs of damage (Figure 2).
5. Suspend the fixture from a hoist, crane, or forklift equipped with a hook type lifting device and move it to the device to be handled.



FIGURE 3



FIGURE 4

6. Make sure the retaining strap is loose enough to allow the fixture jaws to fully open.
7. Grip the handles provided on the fixture and open the jaws their maximum distance (Figure 3).
8. Lower the fixture over the cushioning device and close the jaws around the device body. The lifter should be placed in a position slightly rearward of the cushioning device center of gravity to allow it to tilt toward the piston end.
9. Tighten the retaining strap by pulling on the loose end.
10. Place the stabilizing strap around the cushioning device piston and thread the hook end through the strap loop.

11. Attach the stabilizing strap hook to the oblong link between the lifting chains and tighten the strap by pulling on the loose end (Figure 1).
12. Lift the cushioning device just high enough to take it off the ground. The device should be close to horizontal, and the piston should be applying pressure to the stabilizing strap. If there is no pressure on the strap, or the cushioning device is tilting rearward, lower the device, loosen the retaining strap, and move the lifting fixture rearward on the cushioning device body. Tighten the retaining strap, and lift the cushioning device off the ground.
13. Move the cushioning device to the required location. Use caution and move slowly, trying to avoid excessively rough terrain (Figure 4).
14. When the cushioning device is in the desired location, lower it to the ground and loosen the retaining strap. Using the provided handles, open the fixture jaws and remove the fixture from the cushioning device.
15. Loosen and remove the stabilizing strap. Inspect the fixture and straps, and place the fixture back into its normal place of store.
16. Remove all blue flag protection, chocks, and release the hand brake if the freight car is ready to return to service.

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: Always keep all parts of your body out from under any suspended equipment or load.
3. WARNING: Avoid pinch points. Never place your hand or fingers between the lifter and the End Of Car Device. Use the provided handles to apply or release the lifting fixture. Do not place your hands or fingers on the lifting chain assemblies or the lifting fixture body.
4. CAUTION: This lifter is designed to transport round body style End Of Car Cushioning Devices. It must not be used for any other type of lifting application, or for lifting Center Of Car Cushioning Devices.
5. CAUTION. Make sure there is some pressure on the stabilizing strap before attempting to move the cushioning device. If there is no pressure on the strap, the cushioning device could tilt rearward during transport and slip out of the lifting jaws.
6. CAUTION: Make sure the retaining strap is tightened before attempting to move the cushioning device. If the strap is not tightened, the cushioning device could be released from the fixture jaws if excessively rough terrain is encountered during transport.