

# TOOL AND MACHINERY GUIDE



402-253-2772

WEBSITE: WCWRAIL.COM

Title: Rotating Head Draft Gear Assembly Fixture

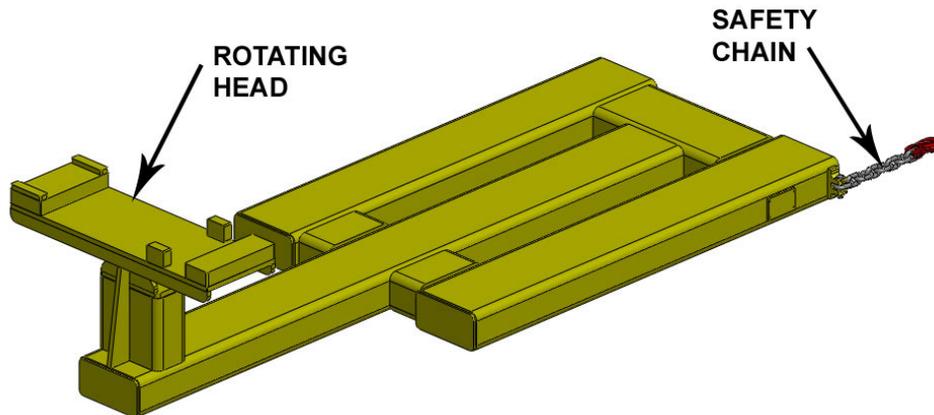
Prepared By: Wulf's Custom Welding

Document No: 0334

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## SUBJECT: ROTATING HEAD DRAFT GEAR ASSEMBLY FIXTURE

Capacity: This fixture has a rated capacity of 1,000 Lbs.



**FIGURE 1**

### **TECHNICAL SPECIFICATIONS:**

Available Through:

Wulf's Custom Welding  
19102 So. 156<sup>th</sup> Street  
Springfield, NE 68059  
Tel: 402-253-2772  
Fax: 402-253-9092  
Website: wcwrail.com  
Reference Part Number: 0334

Fixture Weight: 575 Pounds  
Base Construction Material: Steel

### **DESCRIPTION:**

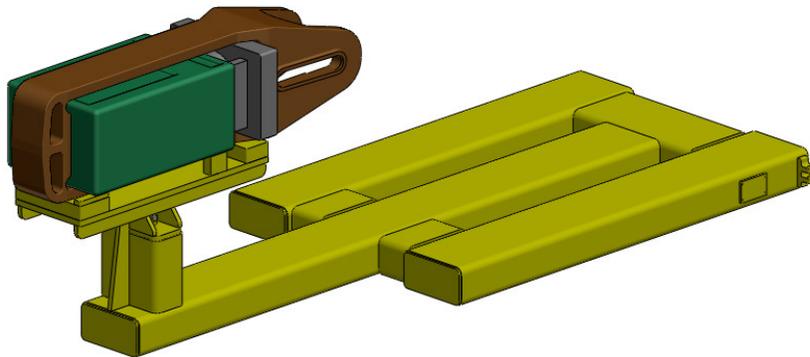
This fixture is designed to remove and install freight car draft gear assemblies. It has no other intended uses. It should be used with any forklift having a rated capacity of not less than 6,000 Lbs.

## **INSTRUCTIONS FOR USE:**

**WARNING:** Ensure 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 fixture prior to use. The safety chain must be in place and the locking grab hook working properly. The rotating head mechanism must be moving freely (Figure 1).
2. Compress and prepare the draft gear assembly for removal in accordance with current maintenance instructions.



**FIGURE 2**

3. Place the fixture on any Forklift having a rated capacity of 6,000 lbs. or greater and attach the safety chain to the forklift mast (Figure 1).
4. Move the fixture under the draft gear assembly to be replaced. The fixture may be moved into place from the either side or the end of the freight car. Rotate the fixture head as necessary to place it directly under the assembly (Figure 1).
5. Raise the forklift until the rotating head contacts the draft gear assembly. Remove the retaining straps and lower the gear using the forklift (Figure 2).
6. Move the draft gear assembly to the proper place of disposal and remove it from the fixture.
7. Place the new draft gear assembly on the fixture and move it under the car for installation.
8. Use the forklift to raise the draft gear assembly into the draft gear pocket and apply the assembly retaining straps.
9. Remove the safety chain from the forklift mast and place the fixture back 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 fixture. The fixture is not to be used for EOC or COC handling.
4. WARNING: Do not use a forklift with less than a 6,000 pound capacity rating.