

# TOOL AND MACHINERY GUIDE



402-253-2772

WEBSITE: WCVRAIL.COM

Title: Side Access Wheelset Handling Fixtures

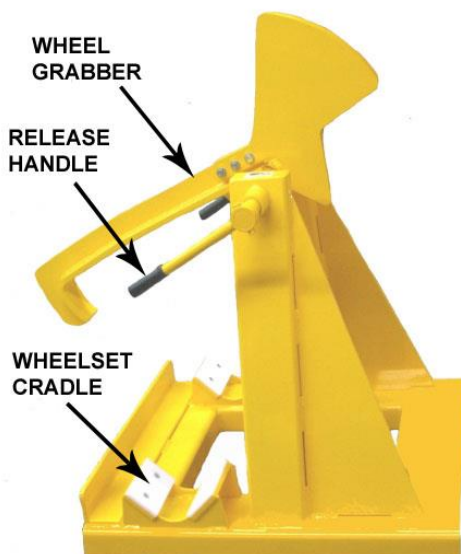
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## SUBJECT: SIDE ACCESS WHEELSET HANDLING FIXTURES

Capacity: These fixtures have a rated capacity of 4,000 Lbs.



**FIGURE 1 - MANUAL FIXTURE**



**FIGURE 2 - HYDRAULIC FIXTURE**

## **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: wcvrail.com

Reference Part Number - Manual Handler: 0201-1

Reference Part Number - Hydraulic Handler: 0120

Fixture Weight - Manual Handler: Pounds

Fixture Weight - Hydraulic Handler: Pounds

Base Construction Material: Steel

## **DESCRIPTION:**

These fixtures are designed to remove and install freight car wheelsets. They will work with wheel diameters ranging from 28 to 38 inches. A polymer lined cradle is provided at the front of the fixtures for additional wheel handling capabilities. Contact your forklift dealer or manufacturer to determine the forklift capacity required for use of these attachments. Attachment information is available on our website at [wcwrail.com](http://wcwrail.com). Search 0120 or 0201.

## **INSTRUCTIONS FOR USE: WHEELSET REMOVAL**

WARNING: Ensure car(s) is/are properly secured with hand brakes and/or chocks before attempting to perform any wheelset 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 fixture prior to use. The safety chain must be in place and the locking grab hook working properly. The wheel grabber mechanism must be working freely. Check for fluid leaks if you are using the hydraulic release model (Figure 1 & 2).
2. Jack the freight car and prepare the wheelset for removal in accordance with current maintenance instructions.



**FIGURE 3 - MANUAL FIXTURE**



**FIGURE 4 - HYDRAULIC FIXTURE**

3. Place the fixture on the Forklift and attach the safety chain to the forklift mast (Figure 3 & 4).
4. Tilt the mast and forklift tines forward to provide adequate clearance for the hook to engage the top of the wheel.
5. Move the fixture into position at the end of the wheelset. Lift the grabber mechanism manually by pulling upward on the release handle, or using the forklift if you have the hydraulic version (Figure 3 & 4).
6. Move the forklift toward the wheelset until the bottom angle of the fixture contacts the wheelset rim. The forklift tines will be under the wheelset at this point. Allow the grabber mechanism to drop over the wheelset, or use the forklift to lower the grabber if you have the hydraulic version (Figure 3 & 4).

7. Raise the wheelset off the tracks a few inches, and back the forklift away from the freight car.
8. Tilt the mast and tines rearward to engage the wheel and ensure that the wheelset will be level during transport.
9. Move the wheelset to the proper place of disposal. Release the wheelset by pulling upward on the release handle, or use the forklift if you have the hydraulic version.

### **INSTRUCTIONS FOR USE: WHEELSET INSTALLATION**

1. Move the forklift in front of the new wheelset. Raise the grabber mechanism by pushing downward on the release handle, or use the forklift if you have the hydraulic version (Figure 3 & 4).
2. Move the wheelset to the freight car. Lower the wheelset onto the tracks, and raise the grabber mechanism by pulling upward on the release handle, or use the forklift if you have the hydraulic version (Figure 3 & 4).
3. Move the forklift away from the car, and place the Wheelset Handler into its proper place of storage. Remove the safety chain from the forklift mast.

### **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 handling any type of locomotive wheelset.
4. WARNING: **Contact your forklift dealer or manufacturer to determine the forklift capacity required for use of these attachments. Attachment information is available on our website at [wcwrail.com](http://wcwrail.com). Search 0120 or 0201.**