

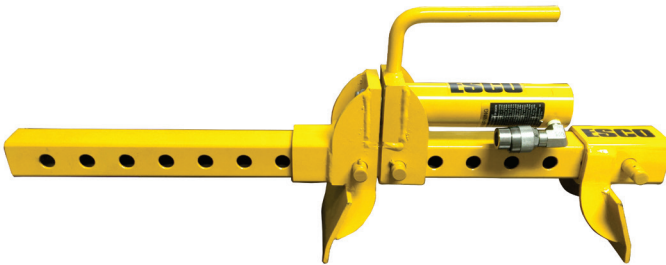


**Equipment Supply Company**



# Instruction Manual

OTR Tire Spreader  
& Lockout Safety Bar  
ESCO #90456 / #90456S



#90456



#90456S

**WARNING:**

THIS PRODUCT, AS WELL AS ALL TIRE TOOLS, SHOULD NEVER BE USED BY PERSONS UNLESS THEY HAVE BEEN TRAINED PROPERLY ACCORDING TO OSHA REGULATIONS 29CFR 1910.177 ENTITLED "SERVICING SINGLE-PIECE & MULTIPIECE RIM WHEELS".

FOR THE SAFE USE OF THIS PRODUCT, PLEASE READ INSTRUCTIONS. FAILURE TO DO SO CAN LEAD TO A VOID IN WARRANTY OR SERIOUS INJURY. PLEASE USE THIS TOOL AND OTHER TIRE SERVICE TOOLS WITH THE UPMOST SAFETY PRECAUTIONS.

**SAFETY INFORMATION AND DISCLAIMER**

To avoid personal injury or property damage while using this product, read and follow all DANGERS, WARNINGS, CAUTIONS, and INSTRUCTIONS that are attached to, or included with, this product.

1. Follow the instructions of the tire manufacturer and the vehicle manufacturer when deflating, demounting, mounting, and inflating tires.
2. These operating instructions do not apply to any specific rim. Therefore, contact the rim manufacturer for the correct procedure for your rim.
3. ESCO cannot be held responsible for damage or injury resulting from unsafe use of the product; lack of maintenance; or incorrect product and system application.
4. Contact ESCO when in doubt about safety precautions or applications.

## Product Operation

**WARNING:** The optional air/hydraulic pump is capable of generating fluid pressure up to 10,000 PSI. Keep both hands away from the bead spreader flanges when unit is in use. Make certain that the tool is properly aligned on the beads before allowing the ram action. DO NOT continue to operate the air/hydraulic pump once the cylinder rod is completely extended. Failure to comply with these instructions could result in personal injury or damage to the equipment.

**CAUTION:** Make sure hands and other objects are not in-between the bead spreader spades and the tire bead when beginning operation. Before releasing hydraulic pressure, double check that no objects are in or around the tire, as it may cause a flying object hazard.

## Product Description

The ESCO Model #90456 OTR Tire Spreader is a professionally heavy duty 10 Ton capacity tire spreader. The OTR Tire Spreader is ideal for inspections and repairs. Works great for Truck, Agricultural, and OTR tires.

## Product Specifications

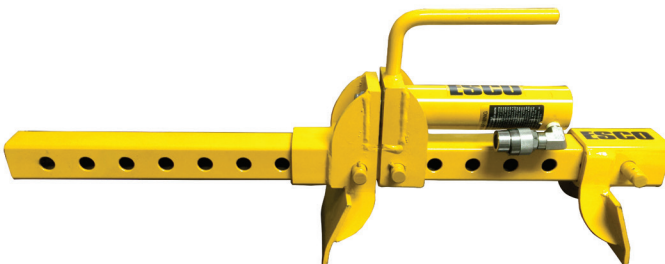
**Tire Spreader Range:** 6" - 34" | 152 mm - 864 mm

**Stroke:** 6" | 152 mm

**Bar Length:** 34" | 864 mm

**Width:** 2" | 51 mm

**Weight:** 36 lbs. | 16 kg



## **INSTRUCTIONS**

**Make certain the tire is clean to spot problem areas.**

### **Step 1: Connect OTR Tire Spreader**

Connect the hydraulic hose of the air/hydraulic pump to the hydraulic coupling on the OTR Tire Spreader.

### **Step 2: Connect Air Supply**

Connect the air supply line to the air/hydraulic pump. Air supply should be 5-10 CFM at 100 PSI to obtain proper operating characteristics. In addition, the air line should be equipped with an air line filter.

### **Step 3: Positioning OTR Tire Spreader**

Position the OTR Tire Spreader on the interior of the tire so that the OTR Tire Spreader spades are resting on the tire beads. The spades have adjustable positions and are secured to the correct opening size with the pins supplied.

### **Step 4: Operating OTR Tire Spreader**

Depress the hydraulic pump pedal to begin operation of the 10 Ton Ram. Spread the bead of the tire to the desired opening.

### **Step 5: Retract OTR Tire Spreader**

To retract OTR Tire Spreader, make sure to pressure cylinder with air/hydraulic pump. Pull mechanical locking pin, and depress air/hydraulic pump pedal.

## TROUBLESHOOTING

SYMPTOM	PROBABLE CAUSE
Ram Extends To Slowly	Insufficient hydraulic pressure from pump: 1. Check air supply (5-10 cfm @ 100 psi) 2. Check for hydraulic leaks in Ram/Hydraulic pump
Ram Fails To Retract	Hydraulic pump does not release: 1. Dirt under pedal in release valve area - <b>Clean pedal</b> 2. Broken or weak springs in Ram - <b>Replace</b> 3. Check the connection of hydraulic couplers
Pump Extends Ram But Will Not Hold System Pressure	1. Outlet check ball not sealing properly - <b>Correct or Replace</b> 2. Release valve mechanism not sealing properly. Check pin, ball, release poppet and poppet retainer - <b>Correct or Replace</b>



## RELATED PRODUCTS



#90450



#90451



#90453

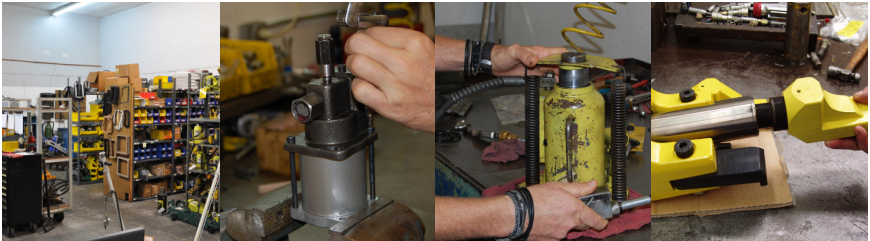


*“Providing Quality Hydraulic Repair and Technical Support for All Your Hydraulic Product Needs”*

## **GUARANTEED 1 Day Turnaround Service.**

**Received by ESCO - Repaired in 24 Hours - Returned to You!**

- ▶ ESCO will pick up product for repair/warranty at your location.
- ▶ ESCO will guarantee Repair/Service for 30 days.
- ▶ ESCO has rental tools available
- ▶ ESCO repairs IMT, FEC, Stellar, Blackhawk, OTC, Power Team, Ame Int., & Enerpac hydraulic pumps, bead breaker, and cylinders.
- ▶ Authorized ESCO Repair & Warranty Centers Located through the US & Canada. For more information contact your ESCO sales representative.
- ▶ Technical Support Over the Phone Available by Calling 1-800-352-9852



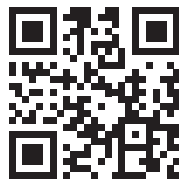
Prompt, reliable service after the sale is very important to ESCO. ESCO maintains an in-house repair facility in Brooksville, Florida. To insure that our customers have as little down-time as possible, we offer a 1 day turnaround service. Our factory repair service is equipped with all the tools and machinery needed to repair your equipment quickly and affordably. Our trained technicians are the best in the industry. Not only do we service our own products, but we also service our competitors' products.

In addition to ESCO's 30 years of providing quality repair service, ESCO has reached out and partnered with more than 50+ hydraulic repair facilities across the US & Canada, to deliver quality repair and timely return of products. Visit [www.esco.net](http://www.esco.net) or call 1.800.352.9852 to hear more about the newly added "Authorized ESCO Warranty & Repair Facilities" across the US.

If you have a bead breaker, ram, or hydraulic pump that needs repair, ESCO fixes your product with factory parts and guarantees the repair. In addition to servicing ESCO brand products, we also repair CP, IMT, Elrick, Branick, Goodyear, FEC, Ame Int., and Haltec lines of hydraulic bead breakers, rams, pumps, jacks, and many other hydraulic tire service equipment.

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# The Proper Tools To Keep Your Equipment **MOVING**



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the ESCO website

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## **CONTACT INFO:**

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