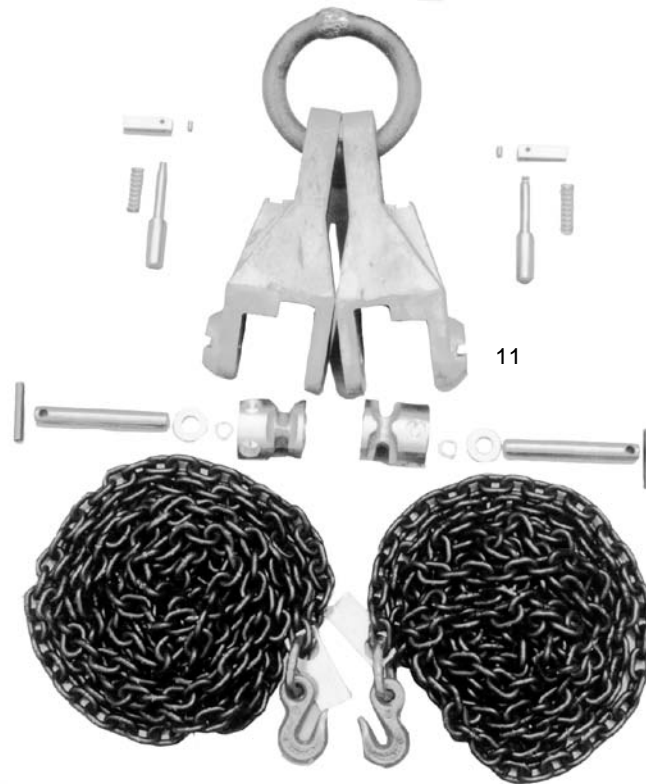




# REPAIR PARTS SHEET

## TIRE SLING 90100



Item	Part No	Description	Quantity
1	90101	3/8" x 2 1/4" Dowel Pin	2
2	90102	5/8" Pin	2
3	90103	Alloy Chain Assembly	2
4	90104	3/16" x 3/8" Dowel Pin	2
5	90105	Bronze Pulley	2
6	90106	Mating Pin	2
7	90107	7/8" x 4" Ring	1
8	90108	Rectangular Block	2
9	90109	Retaining Ring	2
10	90110	Spring	2
11	90111	Washer	2
12*	90112	Yolk for Tire Sling	2

\*Item 12 cannot be ordered separately – must be ordered in pairs with item 7



Instruction Manual  
**ESCO Part #90100**

## **ADJUSTABLE LOCKING TIRE SLING**



Lift Capacity 6,500 lbs (2,948 kg) per chain  
or 13,000 lbs (5,900 kg) total.

### **WARNING SAFETY PRECAUTION**

This product, as well as all Tire Tools, should never be used by persons unless they have been trained properly according to O.S.H.A. Regulation #29CFR 1910.177 entitled "Servicing Single-Piece & Multipiece Rim Wheels." Copy of the Regulation is enclosed or contact this manufacturer.



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## INSTRUCTIONS FOR USE OF #90100 ADJUSTABLE LOCKING TIRE SLING

1. Attach chain sling ring to lifting hook on boom. Position boom above tire.
2. Place the continuous chain at two positions on the tire, one at 4 o'clock and one at 8 o'clock as shown in **Figure 1**.
3. Adjust the length of the continuous chain with the adjustable hook in the chain as shown in **Figure 2 and 3**.



Figure 1



Figure 2



Figure 3

4. Make sure the locks (A) in **Figure 4** are in the locked position as shown, before attempting to lift the tire off a vehicle or from a standing position.

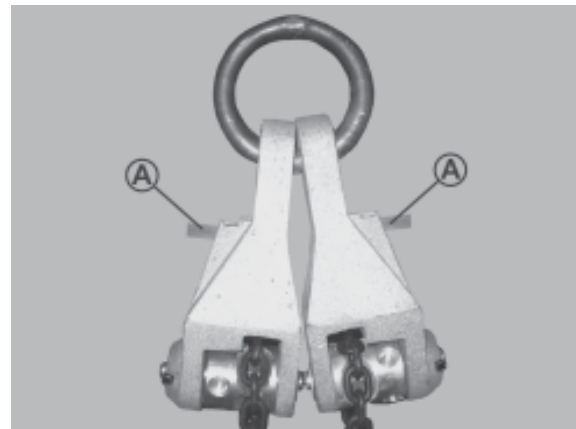


Figure 4



Figure 5

5. You can now lift and control the tire to its position as shown in **Figure 5**.

## INSTRUCTIONS FOR #90100 ADJUSTABLE LOCKING TIRE SLING CONTINUED . . .

6. To rotate the tire from a vertical position to a horizontal position or from a horizontal position to a vertical position, move the locks **(A)** from the locked position as shown in **Figure 4** to the rotational position in **Figure 6**.
7. To move the tire from the vertical position to the horizontal position, slightly rotate the tire crane to the left or right until the chain starts to roll in the chain blocks as shown in **Figure 7, 8, and 9**. Put the locks in the locked position as shown in **Figure 4**, to drop the tire onto a rim that is laying on the ground.

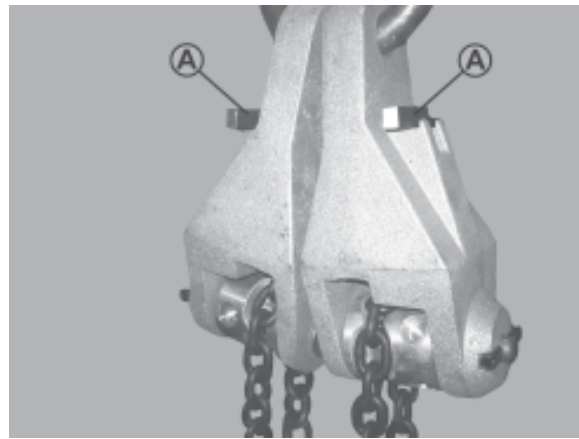


Figure 6



Figure 7



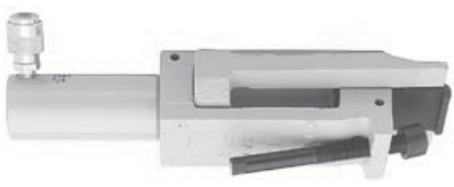






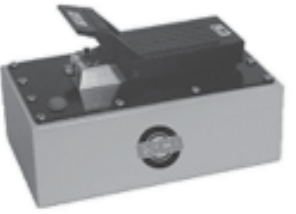




Figure 8



Figure 9

8. To move the tire back into the vertical position from the horizontal position, lower the crane so as to allow some slack in the continuous chain. Rotate the tire crane left or right to position the chain roller at the shoulder of the tread of the tire. The locks in the chain block should be in the unlocked position as shown in **Figure 6**. Lift the tire crane slowly with the hand controls straight up until the tire is in the vertical position as shown in **Figure 5**.

... Other ESCO Tools That Can Help  
You Change OTR - E/M Tires and Wheels

		
<p><b>#10100 Bead Breaker</b></p>	<p><b>#10312 - 55 Ton or 100 Ton Aluminum Jack</b></p>	<p><b>#10500 Air Hydraulic Pump</b></p>
		
<p><b>#90300 Bead Seat Puller and Rim Lifter</b></p>	<p><b>#12510 OTR Block Set</b></p>	<p><b>#90100 Rotating Tire Sling</b></p>
		
<p><b>#10607 Caterpillar Shur-Lok Adapter</b></p>	<p><b>#10592 Air Hydraulic Pump</b></p>	<p><b>Hydraulic Rams</b></p>
		
<p><b>#90200 Bar Push Unit and Safety Cage</b></p>	<p><b>#90400 E/M Bead Hook</b></p>	<p><b>#12500 Steel Crib Stand Set</b></p>

For more information on these products,  
visit our Web Site at [www.esco.net](http://www.esco.net).