

# MAC JACK®

## Mobile Articulated Car Jack

Portec's licensed **MAC JACK®** enables wheel or truck changeouts to be performed in as quickly as 20 minutes. It's uniquely designed to lift unloaded well and center beam-type articulated cars (in their unit form) over 30 inches above the rails. It can handle cars in the yard up to a 50 ton maximum weight limit depending upon lifting points.

The **MAC JACK®** requires only a 6" rail clearance without

adapter plate (8½" with adapter plate) between the top of the rails and the bottom of the car.

This low profile is made possible because one of its two hydraulic lifting cylinders "pivots" to a horizontal position for easy under-the-car access. In the unlikely event of hydraulic system failure, a ratchet and pawl system provides a complete mechanical fail safe condition.

The heavy duty **MAC JACK®** and its companion self-contained power unit are capable of servicing cars in just about any location where it is possible to operate a fork-truck (8,000 pounds minimum capacity). This versatility makes the whole yard a "repair shop" in a moment's notice.

**1** Pivoting lifting cylinder in down (set-up) position.



**2** Pivoting lifting cylinder in up (operating) position.



**3** Jack ready for insertion under a railcar.

**4** Jack being inserted under a railcar with a low rail clearance.



**5** Jack inserted and resting upon rails prior to the pivoting of the lifting cylinder to the vertical (operating) position.





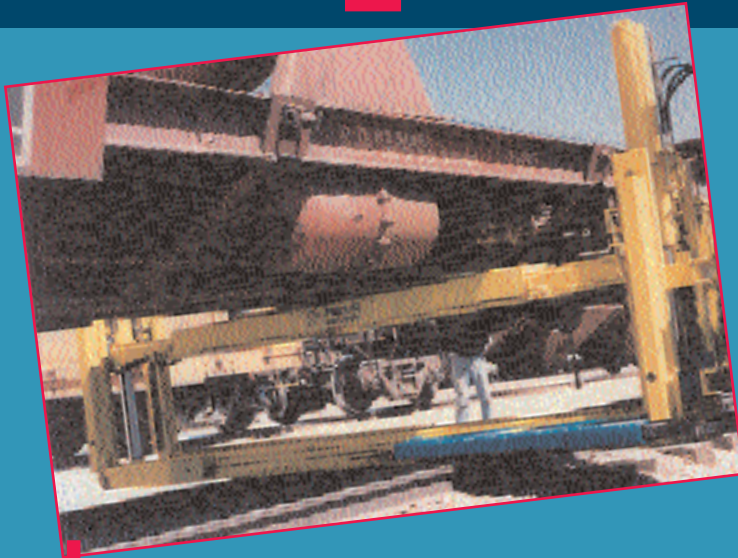
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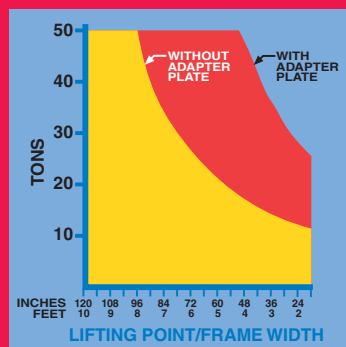


9 Jack lifting a center beam-type car.



10 Jack lifting well-type car.

- 6 Vertical (operating) position of pivoting lifting cylinder.
- 7 Lifting beam in maximum lifting position.
- 8 Jack ready for wheel set removal.



**Unit Specifications:**

Length	16'6" extended (pivoting lifting cylinder down) 12'0" raised
Width	48"
Weight	5,000 pounds without adapter plate 5,960 pounds with adapter plate
Capacity	50 tons (depending upon lifting points) see chart
Lifting Platform Height	6" collapsed without adapter 8 1/2" with adapter plate
Lifting Platform Raised	36" without adapter plate 38 1/2" with adapter plate
Stroke	30"
<b>Power Source</b>	
	Gas 11 horse power Electrical 7 1/2 horse power - 220 or 440 Remote Controlled Operation, 15' cord
Weight	800 Pounds
Shipping Dimensions	48" x 48" x 48"

Lift Pt. Width Inches	Tons Without Adaptor	Maximum Hydraulic Pressure	Tons With Adaptor	Maximum Hydraulic Pressure
102	50.0	2300	50.0	2300
96	47.8	2200	50.0	2300
90	40.5	1870	50.0	2300
84	34.9	1610	50.0	2300
78	30.5	1410	50.0	2300
72	26.9	1240	50.0	2300
66	23.9	1100	50.0	2300
60	21.4	980	50.0	2300
54	19.3	890	50.0	2300
48	17.5	800	47.8	2200
42	16.0	740	41.0	1890
36	14.7	680	35.8	1650
30	13.5	620	31.6	1460
24	12.5	580	28.2	1300
18	11.7	540	25.4	1170

**WARNING**—Do not exceed lifting capacities shown  
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Specifications subject to change without notice.