



# PORTABLE ELECTRIC JACKS



A Leading Supplier of Maintenance  
Equipment to Railroads of the World

## PORTABLE ELECTRIC JACKS

### PREFERRED THROUGHOUT THE WORLD

Reliability is carefully engineered into every Whiting Portable Electric Jack. The outstanding design and top quality construction of this product, provides years of dependable service with minimal maintenance. This continuous level of time proven quality has established Whiting as the foremost manufacturer of portable jacks in the world.

### STEEL COLUMN ASSEMBLY

Whiting Portable Electric Jack construction starts with a steel base that includes a worm and worm gear. Welded to the base is a structural steel column assembly which houses an alloy steel jack screw, complete with precision machined buttress threads and an aluminum bronze nut. The screw is keyed to the worm gear and is supported by a large thrust bearing. The jack nut travels on the screw and supports the lifting bracket. An all-welded steel frame adds further strength to the column assembly. The result is a Whiting Portable Electric Jack with dependable load-lifting capacity at any point within the lifting range of the jack system.

### INTERLOCK CONTROLS

A single individual, manning a portable control station, can simultaneously operate any number of jacks. Each jack is also equipped with a starter and push-button controls for individual jack operation.

### SPECIALIZED BRACKET DESIGN

The Whiting Portable Electric Jack can be equipped with a variety of special lifting brackets that meet the dimensional and/or physical restrictions of the lifting pad on the particular railcar or locomotive application.

### POWER LIFTING & LOWERING

Electrical power is required for both the lifting and lowering operations. The combination of a reversible electric motor with an integral disc brake and worm gearing contributes to the outstanding driving power of the Whiting Portable Electric Jack.

Whiting continues to be a leader in technology for Portable Electric Jack railcar and/or locomotive lifting applications.



Completed Jack



Lifting Bracket



Screw & Nut



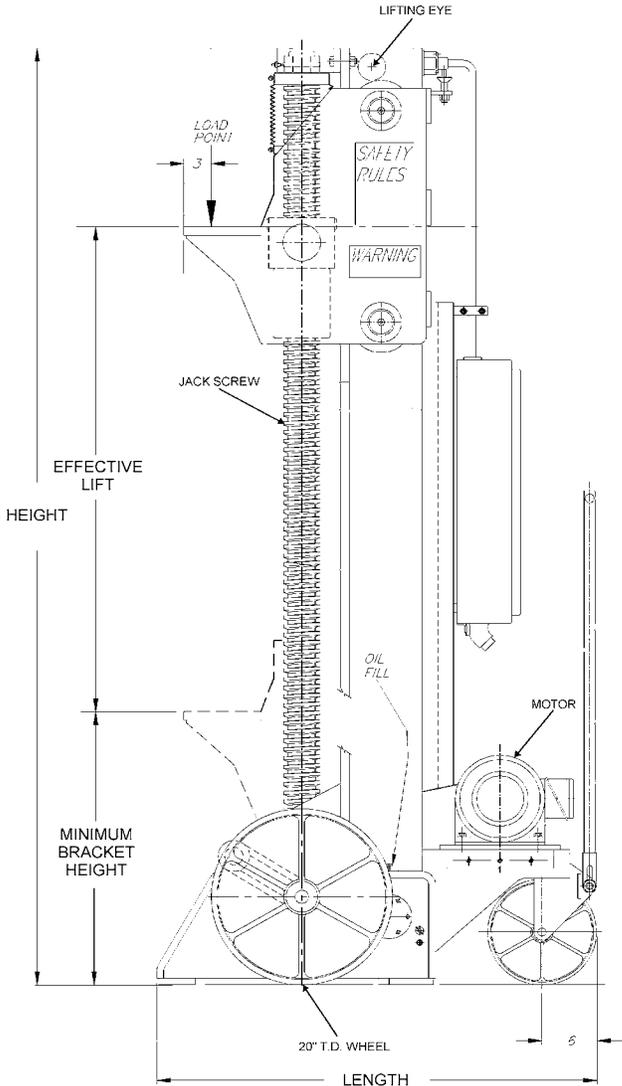
Electrical Control

## WHITING Portable Electric Jack Specifications

MODEL	CAPACITY (metric ton)	HP (kw)	SPEED I.P.M. (mm/min)	EFFECTIVE LIFT (mm)	MINIMUM	SCREW DIA. (mm)	HEIGHT (mm)	WIDTH (mm)	LENGTH (mm)	WEIGHT (kg)
					BRACKET HEIGHT (mm)					
MA	25 tons (22.5)	5 (3.73)	9"/min (229)	6'-0" (1829)	2'-7" (787)	3 15/16" (100)	10'-4 1/2" (3162)	3'-5 1/2" (1054)	4'-0 1/2" (1232)	3000 lbs (1361)
MAL	25 tons (22.5)	5 (3.73)	9"/min (229)	6'-0" (1829)	2'-3" (686)	3 15/16" (100)	10'-4 1/2" (3162)	3'-5 1/2" (1054)	4'-0 1/2" (1232)	3000 lbs (1361)
MA	35 tons (31.5)	7.5 (5.59)	9"/min (229)	6'-0" (1829)	2'-7" (787)	3 15/16" (100)	10'-4 1/2" (3162)	3'-5 1/2" (1054)	4'-0 1/2" (1232)	3000 lbs (1361)
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MB	50 tons (45)	12.5 (9.32)	8"/min (203)	5'-7" (1702)	2'-9" (838)	4 15/16" (125)	11'-2 7/8" (3426)	3'-5 1/2" (1054)	4'-5 7/8" (1368)	4400 lbs (1996)
MC	60 tons (54)	15 (11.20)	9"/min (229)	5'-7" (1702)	2'-9" (838)	4 15/16" (125)	11'-6 7/8" (3528)	3'-5 1/2" (1054)	4'-6 3/8" (1381)	4600 lbs (2087)

Contact factory for alternate lift or bracket heights.

NOTE: Speeds based on 230/460 VAC - 3 Phase - 60 Hertz.





**WHITING PROVIDES BOTH STANDARD AND CUSTOM EQUIPMENT FOR RAILROADS, MASS TRANSIT SYSTEMS, CAR AND LOCOMOTIVE BUILDERS, CAR REPAIR SHOPS AND INDUSTRIAL RAIL APPLICATIONS.**



**A LEADING SUPPLIER OF MAINTENANCE EQUIPMENT TO RAILROADS OF THE WORLD**

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