



Enerpac's rail maintenance equipment provides work site solutions for stressing, lifting and surfacing



Mechanical Track Jacks

Page 3



POW'R-CLAW Hydraulic Track Jacks

Pages 4-5



Rail Pullers

(Hydraulic and Mechanical)

Pages 6-8



Wheel Truck Jacks

Page 9



POW'R-RISER® Lifting Jacks

Pages 10-11

Accessories

Page 11

Mechanical Track Jacks

▼ Shown: 02025 (A8), 02000 (A5) and 02075 (A17)



- Three lightweight, easy to carry models fit all track applications
- Solid cast base and large grooved toe for stable jacking
- Heat-treated, forged components for extra strength and longer life
- Rust-proof tension spring maintains full pawl engagement

A Series

Rated Capacity per Jack:
138,6 kN (15 tons)

Stroke:
133,3-330,2 mm



Square Drive Sockets

All models feature square drive sockets for use with 38 mm square by 1,65 m standard railroad lining bars.



Quick-trip Mechanism

The Quick-trip mechanism allows the track jack to be instantly tripped while under load. Lower the load effortlessly by engaging the lifting pawl in the retaining pawl and complete one down-stroke with the lining bar. Track jacks are designed for use with standard lining bars.

▼ Mechanical Track Jacks provide fast and dependable lifting.



Capacity kN (ton)	Stroke (mm)	Model No.	Description	Minimum Height		Base Area (mm)	Max. Handle Effort/Ton (kg)	Weight (kg)
				Toe (mm)	Cap (mm)			
138,6 (15)	133,3	02000	Mechanical Track Jack, A5	50,8	279,4	63,5 x 95,2	15	13,6
138,6 (15)	196,8	02025	Mechanical Track Jack, A8	50,8	369,9	63,5 x 95,2	15	16,8
138,6 (15)	330,2	02075	Mechanical Track Jack, A17	50,8	574,4	63,5 x 95,2	15	22,7

▼ Shown: TJ109LS, TJ109S, TJ109B



POW'R-CLAW Track Jacks Provide Fast, Safe Lifting

- Exclusive overload protection from load shifts
- Solid cast base provides more surface contact area, and a large grooved toe provides stable jacking
- Inverted hard chrome piston design keeps water and dirt out, extending the life of the jack
- Low handle effort allows one-man operation for lifting heavy loads
- Anti-kickback design reduces risk of injury to operator if load is inadvertently released
- All models can lift from toe or cap, ideal for spreading and jacking applications

▼ The reservoir design on Model TJ109LS allows vertical or horizontal operation for use as lifter or spreader.



Ideal for tough lifting applications; such as frogs, turn-outs, diamonds and concrete tie sections.



The **TJ109B** Bridge and Trestle Jack easily fits between double set ties. The short lever bar and low handle effort greatly reduce the risks associated with jacking from bridges and trestles. Swivel load cap allows the use of chain.



Inverted Design

Keeps water and dirt out of the jack, increasing performance and life cycle. Allows lifting from toe or cap.



Versatile Handle Design

Model **TJ109LS** features a pistol-grip handle for balanced carrying and fast setup.

POW'R-CLAW Hydraulic Track Jacks

▼ Model TJ109S is shown lifting a rail maintenance car.



TJ Series

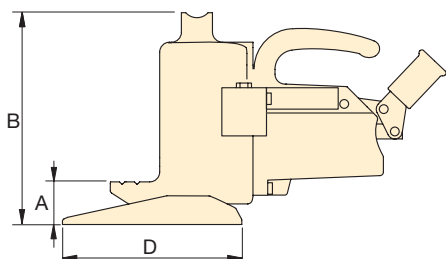


Rated Capacity per Jack:

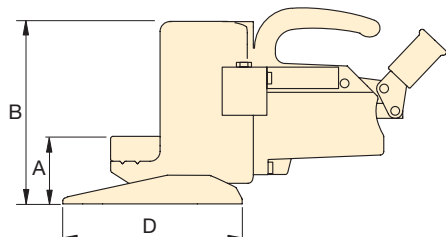
93,3 kN (10 tons)

Stroke:

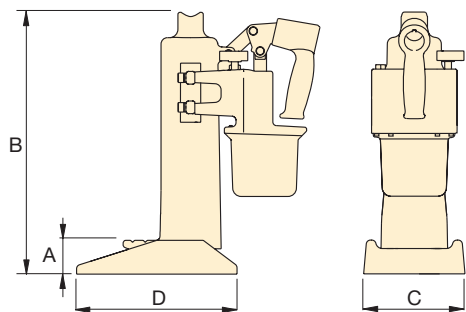
127,0-228,6 mm



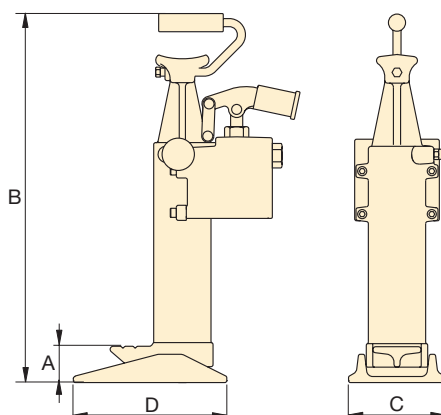
TJ105A



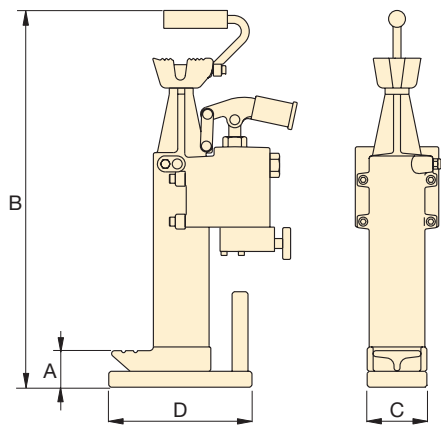
TJ105AX



TJ109LS



TJ109S



TJ109B

Capacity	Stroke	Model No.	Minimum Height		Base Area		Maximum Handle Effort	Weight
			Toe A (mm)	Cap B (mm)	C (mm)	D (mm)		
93,3 (10)	127,0	TJ105A	50,8	281,9	152,4	228,6	40,9	16,8
93,3 (10)	127,0	TJ105AX	83,8	231,1	152,4	228,6	40,9	17,7
93,3 (10)	228,6	TJ109LS	50,8	393,7	152,4	241,3	40,9	18,6
93,3 (10)	228,6	TJ109S	57,1	515,6	152,4	228,6	40,9	26,4
93,3 (10)	228,6	TJ109B	57,1	515,6	95,2	228,6	40,9	24,5

▼ Shown: RP120C, RPG120 Hydraulic Rail Pullers



RP Series

Rated Pulling Capacity:
1067,6 kN (120 tons)

Stroke:
165,1-393,7 mm



Valve Control

A single directional control valve is used to operate the rail puller. A load lock valve prevents pressure loss during a weld, and puller system lockup is eliminated by a pressure bleed valve.



RPG Puller Brake Kit

Minimizes movement of the RPG120 rail puller in the event of shock load due to rail failure.

Optional accessory for the RP120C.

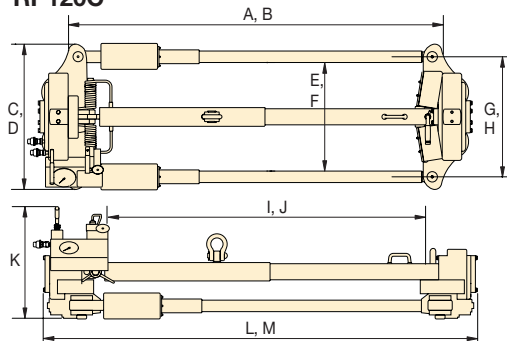
(A partial Kit is shown.)

- Versatile design allows for quick and easy setup for stressing rail
- Compact, alloy steel design requires no disassembly for transport or storage
- Swing Arm clamps the bracket and eliminates the need for separate jaws and wedges
- Detachable center beam, detents for opening and closing, and one handle operator controls are standard on the RPG120
- Center beam swings up on RP120
- Operator controls are positioned safely away from work area

▼ The new Enerpac RP120C and RPG120 Rail Pullers are designed to handle all thermite welding equipment, hydraulic rail grinders and weld shears.

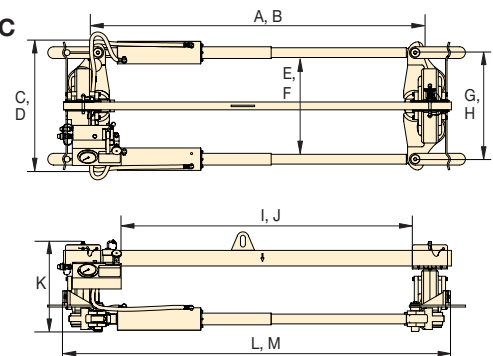


RP120C



- A = Open
- B = Clamped
- C = Closed
- D = Open
- E = Clamped
- F = Open
- G = Clamped
- H = Open
- I = Clamped maximum
- J = Clamped minimum
- K = Height
- L = Clamp maximum
- M = Open minimum

RPG120C



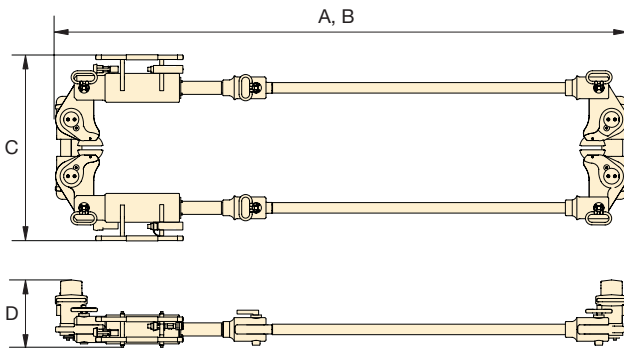
Capacity	Stroke	Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	Weight
kN (ton)	(mm)		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
1067,6 (120)	165,1	RP120C	1879,6	2120,9	838,2	889,0	609,6	660,4	673,1	723,9	1803,4	1625,6	584,2	2489,2	2260,6	29464
	393,7	RPG120	2016,8	2245,4	838,2	889,0	609,6	660,4	673,1	723,9	1981,2	1828,8	647,7	2677,2	2524,8	28702

Hydraulic Rail Pullers

▼ Shown: **RP70 Hydraulic Rail Pullers**



- Used in obstructionless or over the rail applications for stressing rail
- Provides 622,8 kN (70 tons) of pulling force, 311,4 kN (35 tons) of push force or holds the rail in neutral length during the welding process
- Ample clearance for all weld equipment, hydraulic weld shears, and rail grinders
- Operated by any 611 bar (8860 psi) power source
- Compact, lightweight pin/clevis design for easy transport and setup in remote applications
- Swing Arm clamps the bracket and eliminates the need for separate jaws and wedges



A = Closed length
B = Extended length

Capacity		Stroke (mm)	Model No.	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)
Pull kN (ton)	Push kN (ton)							
622,8 (70)	311,4 (35)	203,2	RP70	2788,9	2971,8	899,2	325,1	13893,8

RP Series

Rated Pulling/Pushing Capacity:
622,8/311,4 kN

Stroke:
302,2 mm



The Enerpac Rail Puller is designed to adjust the gap between rail ends for rail stressing, rail welding, repairing rail failures and servicing insulators.



Portability

Lightweight, easy to assemble components simplify transport and handling. Ideal for remote locations.



Power Pump

The recommended power source for the RP70 is the Enerpac PGHM5042E, delivering 8860 psi (611 bar)

for extreme force rail stressing.

▼ *RP70 Rail Puller in an obstructionless pull.*



▼ Shown: **Mechanical Rail Pullers**



**550
Series**

Rated Capacity:
266,9 kN (30 tons)



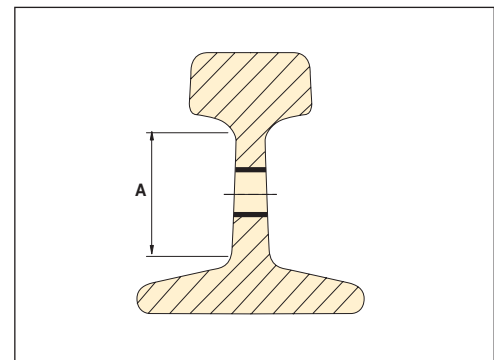
Stud Kit

Adapts mechanical rail pullers/expanders to various rail drillings. Kits include four square nuts, two bolts, two stud pins, and two studs. Ordered separately, see numbers below.

- Easily operated by one person
- Square socket design uses standard railroad lining bar*
- Alloy steel, heat treated U-bar is designed to fit rail web and be obstructionless when the lever socket is downward to allow for active service

*38,1 mm (1.5") square X 1676,4 mm (66") long

▼ *Enerpac mechanical rail pullers/ expanders fit all standard rail where dimension "A" is 82.5 mm (3.25") or larger.*



Capacity	Model No.	Description	Travel	Stud Diameter	Optional Stud Kit No.	Weight	Handle Effort / Ton
kN (ton)			(mm)	(mm)		(kg)	(kg)
266,9 (30)	02326	Mechanical Rail Puller, 38,1mm, 550A	114,3- 203,2	25,4	18602	39,5	3,4
	02327	Mechanical Rail Puller, 28,4mm, 550A		28,4	18603		

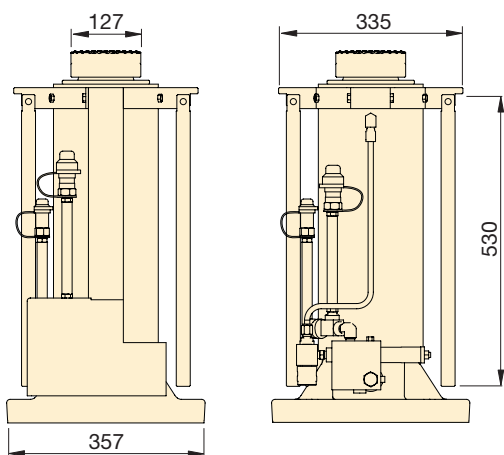
* 38,1 mm (1.5") square X 1676,4 mm (66") long

WJ-Series, Hydraulic Wheel Truck Jacks

▼ Shown: **WJ60**



- Used for track side emergency rail car repair
- Uses existing outboard low pressure hydraulics, delivering 293 bar (4250 psi) for 534 kN (60 ton) lifting
- Long handles swing down for easy transport and jack positioning
- SUP'R-STACK™ extensions for lifting every style of car



Dimensions shown in inches.

WJ Series

Rated Capacity per Jack:

60 tons

Stroke:

411,5 mm



Extensions

SUP'R-STACK™ extensions for lifting every style of car.

Page: **11**



Locking U-Rings

Mechanical locking U-Rings available.

Page: **11**



Stacking Extensions

Any two extensions may be stacked for railcar lifting.

For loads over 534 kN (60 tons) or strokes over 355,6 mm (14") only one extension and one spacer can be used.

Capacity	Stroke	Model No.	Minimum Height	Extended Height	Effective Area	Oil Capacity Required	Maximum Operating Pressure at Capacity	Weight
kN (ton)	(mm)		(mm)	(mm)	(cm ²)	(cm ³)	(bar)	(kg)
534 (60)	411,5	WJ60	676,4	1087,9	182,4	141,9	293	83,9

▼ Shown: PRASA10027L



Safe, Efficient, Mobile Load Lifting



Standard 3,6 m (12 ft.) pendant cord for air driven units with pneumatic valves and 6 m (20 ft.) pendant cord for electric driven units keeps operator away from the load.

- 534, 890, 1334 and 1779 kN capacities with pneumatic or electric pumps for the toughest jobs
- 102 mm ground clearance for transport over rail and rough terrain
- Three position handle provides easy tilt back and transport
- Complies with ASME/ANSI B30.1 specifications
- Easy to change external filter minimizes down time
- Rugged, fully enclosed 610 mm wide frame with no exposed fittings or hoses
- SUP-R-STACK™ Extension System allows lifting at all heights without blocking

▼ Versatility for rail maintenance. One jack for all cars from Intermodal to High Hopper with 28 heights in between.



Capacity	Stroke	Electric Pump Model Number	Weight
(kN)	(mm)	(115 VAC)	(kg)
534	356	PREMB06014L	177
	686	PREMB06027L	272
890	406	PREMB10016L	231
	686	PREMB10027L	272
	406	-	-
	686	-	-
1334	394	-	-
	673	-	-
	394	PREMB15016L	258
	673	PREMB15027L	321
1779	394	-	-
	673	-	-

POW'R-RISER® Lifting Jack



SUP-R-STACK™ Extensions

Increase useful height from 27 mm to 457 mm.

Model No.	Size (mm)	Model No.	Size (mm)
PRE5	127	PRE11	279
PRE7	178	PRE14	356
PRE9	229	PRE18	457
PRES6024	Extension set includes PRE5, PRE7, PRE11 and PRE18		



Spacers

Fine tune your Extension stack height.

Model No.	Size (mm)	Model No.	Size (mm)
PRS1	25	PRS3	76
PRS2	51	-	-
PRS4	Set includes (2) PRS1, (1) PRS2 and (1) PRS3		

PR Series



Rated Lifting Capacity:

534-1779 kN

Stroke:

356-686 mm

Maximum Operating Pressure:

700 bar (10.000 psi)



WARNING!

Extensions: Any two Extensions may be stacked for loads up to 534 kN. For loads over 534 kN or strokes over 356 mm only one Extension and one Spacer can be used.

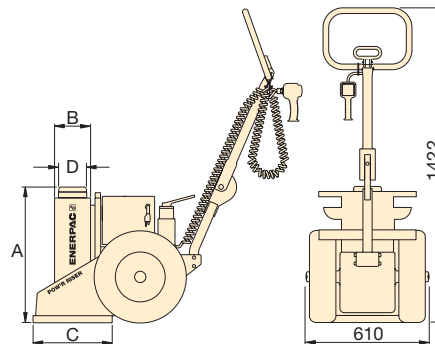
Spacers: Never exceed 76 mm total Spacer height.

Cap. (kN)	Swivel Load Cap	Locking U-Rings					Set Model Number	Locking U-Ring Sets Include
		25 mm	76 mm	114 mm	140 mm	254 mm		
534	PRTS60	PRU11	PRU13	PRU14	-	PRU110	¹ PRUS126 (2) PRU11, (1) PRU13, (2) PRU14 ² PRUS137 (2) PRU11, (1) PRU13, (2) PRU14 (1) PRU110	
890	PRTS60	PRU11	PRU13	PRU14	-	PRU110	¹ PRUS126 (2) PRU11, (1) PRU13, (2) PRU14 ² PRUS137 (2) PRU11, (1) PRU13, (2) PRU14 (1) PRU110	
1334	PRTS150	PRU151	PRU153	-	PRU155	PRU1510	³ PRUS1526 (2) PRU151, (1) PRU153, (2) PRU155 ² PRUS1537 (2) PRU151, (1) PRU1510, (2) PRU155	
1779	PRTS200	PRU201	PRU203	-	PRU205	PRU2010	³ PRUS2026 (2) PRU201, (1) PRU203, (2) PRU205 ² PRUS2037 (2) PRU201, (1) PRU2010, (2) PRU205	

¹ For 356 and 406 mm stroke models

² For 686 mm stroke models

³ For 394 mm stroke models



Dimensions shown in mm.

For power source, the following characters should be inserted in the 5th space of the model number.

Ordering Example:

Model No. PREMI06014L is a 534 kN stroke, 534 kN model, with a manual valve and a 208-240 VAC, 1-ph electric motor.

- A Air Pump, 1416 l/min (50 scfm), 5,5 bar
- B 115 VAC, 1-ph., 50-60 Hz, 20 A
- E 208-240 VAC, 1-ph., 50-60 Hz, Euro Plug, 10 A
- I 208-240 VAC, 1-ph., 50-60 Hz, USA Plug, 10 A
- G ¹208-240 VAC, 3-ph., 50-60 Hz
- W ¹380-415 VAC, 3-ph., 50-60 Hz
- J ¹440-480 VAC, 3-ph., 50-60 Hz
- R ¹575 VAC, 3-ph., 50-60 Hz

¹ Not available for 534 kN capacity

Air Pump	Weight (kg)	A	B	C	D	Max. Additional Stack Height Using Optional Ext. System (kg)	Valve Type
PRAMA06014L	177	610	162	356	102	813*	Manual
PRAMA06027L	272	940	162	356	102	279	
PRAMA10016L	231	660	178	457	102	533**	Pneumatic
PRAMA10027L	272	940	178	457	102	279	
PRASA10016L	231	660	178	457	102	533**	
PRASA10027L	272	940	178	457	102	279	
PRASA15016L	258	660	203	457	127	533**	Pneumatic
PRASA15027L	321	940	203	457	127	279	
-	-	660	203	457	127	533**	Manual
-	-	940	203	457	127	279	
PRASA20016L	290	660	241	457	152	533**	Pneumatic
PRASA20027L	374	940	241	457	152	279	

* Based on one 457 mm and one 279 mm Extension and one 76 mm Spacer. ** Based on one 457 mm Extension and one 76 mm Spacer.

Rail Maintenance Equipment



ENERPAC

The Industrial Tools Line

Cylinders

- General Purpose
- Pancake
- Aluminum Lightweight
- Low Height
- Heavy Duty
- Hollow Plunger
- Industrial
- Pull
- Long Stroke
- Jacks
- Spread

Pumps

- Manual
- Electric Driven
- Compressed Air Driven
- Petrol Driven

System Components

- Hoses, Couplers, Oil
- Gauges, Adaptors
- Manifolds, Fittings

Valves

- 3- and 4-Way Directional
- Pressure and Flow Control

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- Bench and Workshop
- Roll Frame Presses
- Arbor and C-Clamps

Pullers

- Master Pullers Sets
- Multi Purpose Puller Sets
- Posi Lock® Pullers

Tools

- Maintenance Sets
- Punches
- Machine Lifts
- Load Skates
- Cutters
- Pipe Benders

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- Nut Splitters
- Flange/Wedge Spreaders
- Flange Alignment Tools
- Torque Wrenches
- Hydraulic Wrench Pumps
- Twin Safety Hoses

Integrated Hydraulic Solutions

- Stage Lift Systems
- Synchronous Lifting Systems
- Synchronous Hoisting Systems

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