

# RP120BP, Hydraulic Rail Puller

**ENERPAC** 

▼ RP120BP, Hydraulic Rail Puller



- **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**
- **Center beam swings up and out of the way**
- **Operator controls are positioned safely away from work area.**

## RP Series

Rated Pulling Capacity:

**120 ton (1068 kN)**

Stroke:

**165 mm**

Maximum Operating Pressure:

**140 bar**



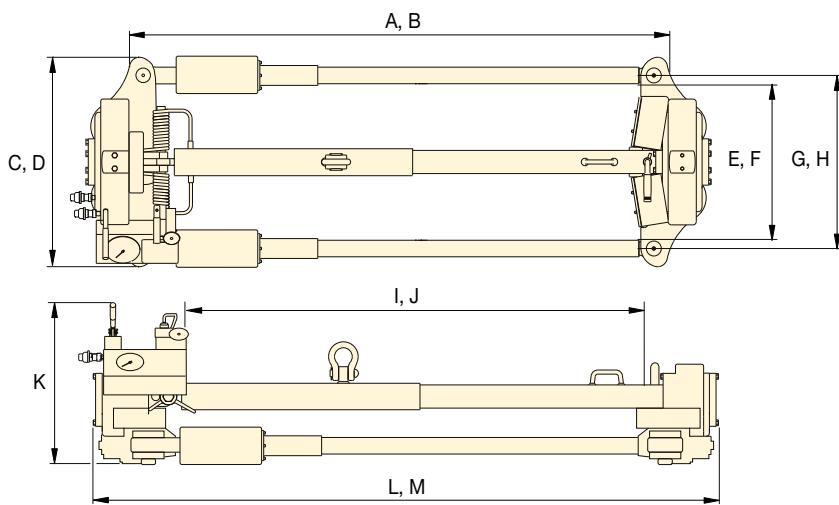
### Hydraulic Power Source

Unit runs off a HPU with pressure of 140 bar and a flow of 18,5 l/min minimum.



### Rail Puller Brake Kit 18904

Minimizes movement of the rail puller in the event of shock load due to rail failure. Optional accessory for the RP120BP (a partial Kit is shown).



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

Capacity ton (kN)	Stroke (mm)	Model Number	A	B	C	D	E	F	G	H	I	J	K	L	M	Weight (kg)
120 (1068)	165	RP120BP	1892	2121	838	889	610	660	673	724	1803	1641	584	2489	2261	526

▼ RP70A, Hydraulic Rail Stressor



## Hydraulic Rail Stressor

- Modular 70 ton stressor and holds the rail in neutral length during the welding process
- Easy to assemble in less than 2 minutes
- Certified lifting eyes mounted directly on the clamps for easy and safe lifting
- Designed with new aluminum lightweight cylinders including protection sleeves over the rods to extend durability

## ZC3-Series, Battery-Powered Stressing Pumps *(see page 195)*

- Zero emission hydraulic power pack
- Advanced brushless motor and Lithium-ion battery
- Steel manual operating valve with pressure hold function
- Safety key to safely leave the pump unattended during breaks
- Pressure release valve V182 included.



## Lightweight & Modular Rail Stressing System



### RP70A Rail Stressor

The Enerpac RP70A is a lightweight rail stressing kit for railway maintenance crews who assemble and install the rail puller directly on site.

The durable, easy-to-assemble components, stored and protected in a specially designed steel cage during transport, are up to 3 times lighter than similar tools.

The less physically demanding Enerpac RP70A is compatible with the cordless Enerpac ZC3-Series pump for a complete clean energy solution.



Certificate of Acceptance  
PA05-06958

Both RP70A Hydraulic Rail Stressor and ZC3 Stressing Pump are certified by Network Rail.



### Durability

Double-acting aluminium cylinders are enclosed within steel sleeves protecting the cylinder rods from damage, particularly weld splatter and extends the life of the unit.

◀ Complete system with RP70A Hydraulic Rail Stressor and ZC3 cordless stressing pump.

# Hydraulic Rail Stressor & Cordless Powerpack



## RP70A Rail Stressor

The RP70A Hydraulic Rail Stressor is used to pull together heavy railroad tracks for stressing and thermite welding.

In the rail industry ergonomic managers specify that tools over 29 kg should be modular and be able to be manually assembled/transported on site.

The RP70A can be used with the battery-powered pump. The stressor is interchangeable with other type of powerpacks.

The RP70A adjusts the gap between rail ends for rail stressing, rail welding, repairing rail failures and servicing insulators.



### RP70A Portable Components

- 1 = Brackets
- 2 = Grippers
- 3 = Hydraulic Cylinders
- 4 = Extension Strips

## RP Series



Rated Pulling/Pushing Capacity:

**70 / 45 ton (683 / 440 kN)**

Stroke:

**205 mm**

Maximum Operating Pressure:

**580 bar**

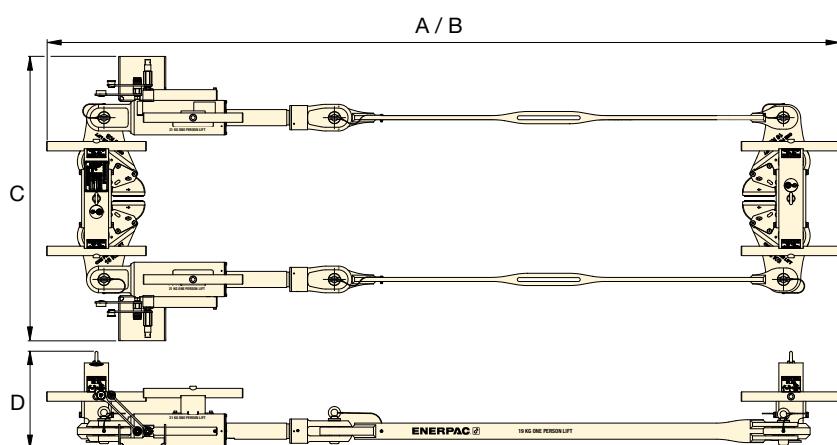


### Hydraulic Hoses

Use Enerpac model number **H9210-RS** 3,0 metres hydraulic hoses to ensure the integrity of your Rail Stressor system.



◀ Modular 70 ton stressor and holds the rail in neutral length during the welding process.



Capacity ton (kN)		Stroke (mm)	Model Number	Dimensions (mm)				
Pull	Push			A	B	C	D	(kg)
70 (683)	45 (440)	205	RP70A	2950	3155	1056	361	205

A = Closed length. B = Extended length.



### Battery-Powered Stressing Pumps

- Cordless, zero emission pump
- 82 V, 4 Ah Lithium-ion battery
- Roll cage and pressure gauge
- 3-stage: 0,52 l/min at 580 bar
- 4,0 litres useable oil capacity
- Pump weight 34,8 kg (excluding battery)
- Reduced Noise Level 80 dBA max
- Advanced brushless 1,0 kW motor.

Model Number	Battery Charger (Volt)	Maximum Pressure (bar)
ZC3404JE-RS	230	580
ZC3404JB-RS	115	580