

# RAIL MAINTENANCE EQUIPMENT

Work site solutions for stressing, lifting and surfacing







Enerpac innovative products and effective solutions are suitable in virtually all rail activities. Enerpacs rail equipment, offer the solution best-suited to the project, where 'ergonomic, timesaving and no risk' are the key elements, we focus on to get the job done.



# **Mechanical Track Jacks**

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# **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:

15 ton

Stroke:

133-330 mm



# **Square Drive Sockets**

All models feature square drive sockets for use with 1½ inch square by 5-foot-5 inch 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          | Stroke | Model<br>Number | Description                |      | m Height<br>m) | Base Area | Max. Handle<br>Effort | Weight |
|-------------------|--------|-----------------|----------------------------|------|----------------|-----------|-----------------------|--------|
|                   |        |                 |                            | Toe  | Cap            |           |                       |        |
| Ton (kN)          | (mm)   |                 |                            |      |                | (mm)      | (kg)                  | (kg)   |
| <b>15</b> (138,6) | 133,3  | 02000           | Mechanical Track Jack, A5  | 50,8 | 279,4          | 165 x 254 | 15                    | 13,6   |
| <b>15</b> (138,6) | 196,8  | 02025           | Mechanical Track Jack, A8  | 50,8 | 369,9          | 165 x 279 | 15                    | 16,8   |
| <b>15</b> (138,6) | 330,2  | 02075           | Mechanical Track Jack, A17 | 50,8 | 574,4          | 165 x 279 | 15                    | 22,7   |

# TJ Series, POW'R-CLAW Hydraulic Track Jacks



▼ Shown: **TJ109LS, TJ109S, TJ109B** 



- 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 TJ105LS and TJ109LS allows vertical or horizontal operation for use as lifter or spreader.





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



Ideal for tough lifting applications; such as frogs, turnouts, 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 associated with jacking from

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 TJ105LS and 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



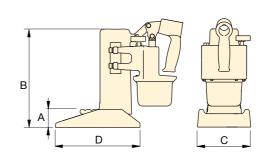
Rated Capacity per Jack:

10 ton

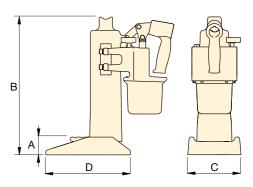
Stroke:

101-228 mm

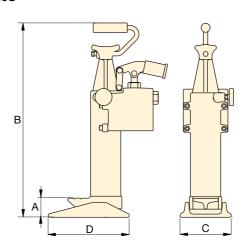
### TJ105LS\*



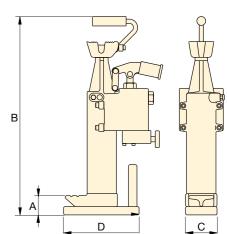
# TJ109LS



# TJ109S



### TJ109B



| Capacity  | Stroke | Model<br>Number | Minimur  | n Height | Base Area |       | Maximum Handle<br>Effort | Weight |
|-----------|--------|-----------------|----------|----------|-----------|-------|--------------------------|--------|
|           |        | Number          | Toe<br>A | Cap<br>B | С         | D     | Ellort                   |        |
| Ton (kN)  | (mm)   |                 | (mm)     | (mm)     | (mm)      | (mm)  | (kg)                     | (kg)   |
| 10 (93,3) | 101,6  | TJ105LS*        | 50,8     | 235      | 152,4     | 241,3 | 40,9                     | 16,3   |
| 10 (93,3) | 228,6  | TJ109LS         | 50,8     | 393,7    | 152,4     | 241,3 | 40,9                     | 18,6   |
| 10 (93,3) | 228,6  | TJ109S          | 57,1     | 515,6    | 152,4     | 228,6 | 40,9                     | 26,4   |
| 10 (93,3) | 228,6  | TJ109B          | 57,1     | 515,6    | 95,2      | 228,6 | 40,9                     | 24,5   |

<sup>\*</sup>TJ105LSTK, Toe Extension Kit, must be used with TJ105LS. When the toe extension is installed, the minimum toe height is increased by 43 mm. This additional height allows the jack to remain positioned under the base of the rail while traffic passes overhead.

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▼ Shown: RP120BP Hydraulic Rail Puller



**RP Series** 

Rated Pulling Capacity:

**120 ton** 

Stroke:

165 mm

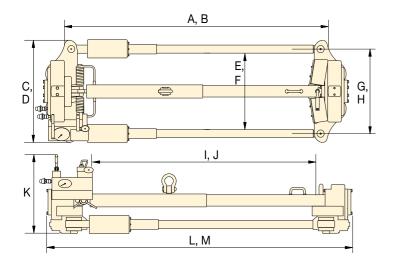


### **RP120BP Puller Brake Kit**

Minimizes movement of the RP120BP rail puller in the event of shock load due to rail failure. Optional accessory for the RP120BP.

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



- 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          | Stroke | Model   | Α    | В    | С    | D    | E    | F    | G    | Н    | I    | J    | K    | L    | М    | Weight |
|-------------------|--------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| ton (kN)          | (mm)   | Number  | (mm) | (kg)   |
| <b>120</b> (1068) | 165    | RP120BP | 1880 | 2121 | 838  | 889  | 610  | 660  | 673  | 724  | 1803 | 1626 | 584  | 2489 | 2261 | 526    |

▼ Shown: RP70 Hydraulic Rail Pullers



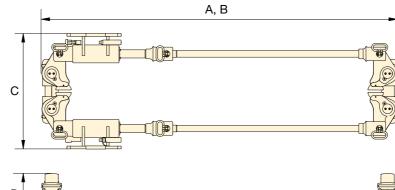
**RP Series** 

70/35 ton

Rated Pulling/Pushing Capacity:

Stroke: 203 mm

- Used in obstructionless or over the rail applications for stressing rail
- · Provides 70 ton of pulling force, 35 ton 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 8860 psi (611 bar) 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
- Decals one man lift / two man lift on request deliverable



A = Closed length

B = Extended length

| Capacity        |          | Stroke | Model  | Α    | В    | С    | D    | Weight |
|-----------------|----------|--------|--------|------|------|------|------|--------|
| Pull            | Push     |        | Number |      |      |      |      |        |
| ton (kN)        | ton (kN) | (mm)   |        | (mm) | (mm) | (mm) | (mm) | (kg)   |
| <b>70</b> (623) | 311 (35) | 203    | RP70   | 2789 | 2972 | 899  | 325  | 248    |



### **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 ZC 3404, delivering 700 bar for extreme force rail stressing.

▼ RP70 Rail Puller in an obstructionless pull.



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# **Mechanical Rail Puller**



▼ Shown: Mechanical Rail Pullers



- 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

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

550 **Series** 

Rated Capacity:

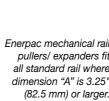
30 ton



### 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.



| Enerpac mechanical rai<br>pullers/ expanders fi<br>all standard rail where<br>dimension "A" is 3.25<br>(82.5 mm) or larger | t<br>= |
|--|--------|

| Capacity        | Model  | Description                             | Travel   | Stud     | Optional | Weight  | Handle Effort |  |
|-----------------|--------|---|----------|----------|----------|---------|---------------|--|
|                 | Number |   |          | Diameter | Stud Kit |         |               |  |
| ton (kN)        |        |   | (mm)     | (mm)     | Number   | (kg)    | (kg)          |  |
| 00 (007)        | 02326  | Mechanical Rail Puller, 1-inch, 550A    | 114 000  | 25,4     | 18602    | ا ۵۰۰ - | 0.4           |  |
| <b>30</b> (267) | 02327  | Mechanical Rail Puller, 1.12-inch, 550A | 114 -203 | 28,4     | 18603    | 39,5    | 3,4           |  |

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

# **WJ-Series, Hydraulic Wheel Truck Jacks**

▼ Shown: WJ60



WJ **Series** 

Rated Capacity per Jack:

60 ton

140 & 411 mm

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

**Extensions** 

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

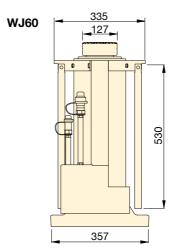


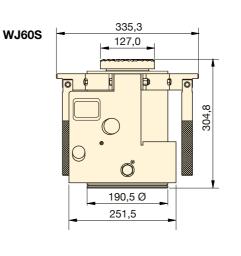
**Stacking Extensions** 

Any two extensions may be stacked for railcar lifting.

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

Dimensions shown in mm.





| Capacity        | Stroke | Model<br>Number | Minimum<br>Height | Extended<br>Height | Effective<br>Area | Oil Capacity<br>Required | Maximum Operating<br>Pressure at Capacity | Weight |
|-----------------|--------|-----------------|-------------------|--------------------|-------------------|--------------------------|---|--------|
| ton (kN)        | (mm)   |                 | (mm)              | (mm)               | (cm²)             | (cm³)                    | (bar)                                     | (kg)   |
| 00 (507)        | 411    | WJ60            | 644               | 1055               | 182,4             | 12,3                     | 293                                       | 84     |
| <b>60</b> (597) | 140    | WJ60S           | 305               | 445                | 182,4             | 4,2                      | 293                                       | 40     |

# **ZC-3404**, Battery Driven Stressing Pump



▼ Shown: **ZC-3404 Hydraulic Battery Driven Stressing Pump** 



# Stressing Pump Zero Emission Hydraulic Power Pack



82-Volt Battery
The ZC-82V with
Lithium-lon technology
for maximum battery
performance, with quick
charger.

- High perfomance, Zero Emmission Hydraulic Power Pack
- Advanced Brushless motor technology 1,5 kW
- 3 Stage pump leading to improved efficiency
- Lithium-ion battery driven stressing pump
- Pressure hold function for operator safety
- Steel manual operating valve

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- Pump weight 34,8 kg (excluding battery)
- Reduced Noise Level 80 dB max
- Safety key to safely leave the pump unattended during breaks
- Pressure release valve V182 included
- NetworkRail Certificate of Acceptance PA05-06958



Battery packs contain no cadmium, so they are environmentally friendly. Enerpac encourages recycling.



# Oil level indicator

Provides continuous indication of the oil level of the main tank.



# Roll Cage

Protects pump and electric box.



Gauge
Use the gauge to check system pressure.

| Pump<br>Type | Useable<br>Oil Capacity | Model Number | Pressure<br>Rating | Output Flow Rate<br>at 700 bar | Motor<br>Electrical<br>Specifcations | Motor<br>Size | Sound<br>Level | Weight | Voltage |
|--------------|-------------------------|--------------|--------------------|--------------------------------|--------------------------------------|---------------|----------------|--------|---------|
|              | (litres)                |              | (bar)              | (l/min)                        |                                      | (kW)          | (dBA)          | (kg)   | (V)     |
| 3-stage      | 4,0                     | ZC-3404JE-RS | 700                | 0,75                           | 82V 4Ah                              | 1,5           | 80             | 34,8   | 230     |
| 3-stage      | 4,0                     | ZC-3404JB-RS | 700                | 0,75                           | 82V 4Ah                              | 1,5           | 80             | 34,8   | 115     |

# **Battery Driven Stressing Pump**



# The ZC-Series new Cordless Hydraulic Stressing Pump:

The battery driven stressing pump is a standalone power pack used in the alumino thermic track welding process.

Often referred to in the rail industry as Rail Tensors or as Destressing Kit.

This new innovation is a novel design, using battery power packs and can be considered the first of its type. Compatible with other rail tensors using similar pressures. As such, there is improved reliability, approx. 50% reduction of weight to improve ergonomics and removal of harmful petrol or diesel fumes.

### **Battery Driven Stressing Pump**

- Battery Driven Hydraulic Power Pack
- Improved Ergonomic Features, total weight only 34.8 kg
- High Performance Zero Emission
- Noise Level below 80 dB
- Exchangeable battery and less maintenance due to modular parts

**ZC** Series



Reservoir Capacity:

4 litres

Flow at Rated Pressure: **0,75 l/min** 

0,70 1/111111

Maximum Operating Pressure:

700 bar

Motor Size: 1,5 kW



suessing.

▼ The recommended power source for the RP70 is the Enerpac ZC-3404, for extreme force rail



▼ RP70 Rail Puller in an obstructionless pull.



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# **XC-Series, Cordless Hydraulic Pumps**

TOOLS, SERVICES, SOLUTIONS.

▼ Shown: XC-1201ME



- Lightweight design with integrated handle and carrying strap for portability
- Bladder reservoir prevents contamination and allows pump usage in any position
- Powerful 0,37 kW motor and 28 Volt Lithium-Ion battery deliver exceptional speed and run time
- High-strength fiberglass reinforced composite shroud for superior durability in demanding job site environments
- Cordless technology eliminates tripping hazards found in other powered pumps.



# Performance of a Powered Pump Portability of a Hand Pump



Battery packs contain no cadmium, so they are environmentally friendly. Enerpac encourages recycling.



# 28-Volt Battery

The **XC-28V** with Lithiumlon technology for maximum battery performance.



# Battery Charger 1-hour quick charger.

| Model Nr. | Voltage |
|-----------|---------|
| XC-115VC  | 115 VAC |
| XC-230VC  | 230 VAC |



# GA45GC Gauge adaptor assembly

45° Angled gauge adaptor improvers safe working conditions.



Hydraulic Swivel
Connector XSC 1
Customer installed swivel
connector for optimal
orientation of the hydraulic
hose.

Power and simplicity for the toughest jobs.

# **XC-Series, Cordless Hydraulic Pumps**

XC

**Series** 

Reservoir Capacity:

0,25 l/min

1,0-2,0 litres

Flow at Rated Pressure:

# **XC-Series Cordless Hydraulic Pumps**

The XC-Series cordless pump is ideal for jobs using small to medium size cylinders and hydraulic tools, and is compatible with over 140 Enerpac tools and cylinders. These cordless pumps combine the performance of a powered pump with the portability of a hand pump making them a perfect solution for remote applications with limited or no access to a power supply or for locations where corded solutions present trip hazards.

The Lithium-Ion battery provides superior run time:

- 250 cuts of 10 mm reinforcing bar using a WHC-750 cutter
- >100 lifts with a WR-5 spreader up to maximum load
- 45 splits on M27 8.8 nuts using a NC-3241 nut cutter
- 30 times lifting with a RC-104 cylinder (10 ton, 100 mm stroke).

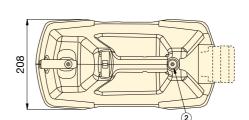
The XC-Series cordless pump is CSA and CE compliant.

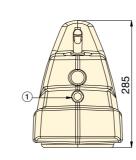
NOTE: Actual number of cycles per charge will vary depending on condition of battery, tool and ambient conditions.





Maximum Operating Pressure: **700 bar** 





(1) Outlet "Advance" Port %"-18 NPTF

(5) Shoulder Strap Connection Points

(2) Oil Fill (must use funnel)

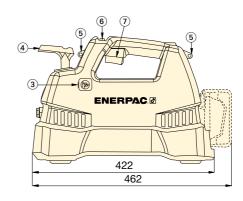
(4) Directional Control Valve

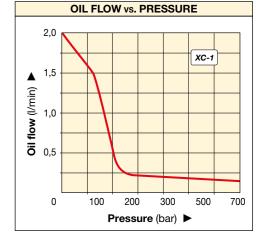
Access Port

(6) Safety Lock Feature

(7) On/Off Switch

(3) User Adjustable Relief Valve





▼ Take the battery pump anywhere without power cords or air hoses.

# ▼ SELECTION CHART

| Useable<br>Oil<br>Capacity | Model<br>Number | Output Flow Rate (I/min) |         |         | Valve<br>Function** | Charger<br>Voltage | À    |
|----------------------------|-----------------|--------------------------|---------|---------|---------------------|--------------------|------|
| (litres)                   |                 | No Load                  | 140 bar | 700 bar |                     | (VAC)              | (kg) |
| 1,0                        | XC-1201MB       | 2,0                      | 0,50    | 0,25    | 3-way, 2-pos.       | 445                | 10   |
| 2,0                        | XC-1202MB       | 2,0                      | 0,50    | 0,25    | 5-way, 2-pos.       | 115                | 11   |
| 1,0                        | XC-1201ME       | 2,0                      | 0,50    | 0,25    |                     | 000                | 10   |
| 2,0                        | XC-1202ME       | 2,0                      | 0,50    | 0,25    | 3-way, 2-pos.       | 230                | 11   |
| 1,0                        | XC-1201M*       | 2,0                      | 0,50    | 0,25    |                     |                    | 10   |
| 2,0                        | XC-1202M*       | 2,0                      | 0,50    | 0,25    | 3-way, 2-pos.       | _                  | 11   |

<sup>\*</sup> Batteries and charger not included.



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<sup>\*\*</sup> For use with single-acting cylinders or tools.

# **XC-Series, Cordless Torque Wrench Pumps**



▼ Shown: XC1502TE



- Ideal for maintenance bolting applications requiring portability and convenience
- Interactive pendant provides visual and vibration feedback of pump operation
- Superior run-time with 5Ah, 28V battery
- 6 metres detachable pendant control
- 100 mm glycerine-filled gauge for easy viewing
- Bladder reservoir allows pump to be used in any position
- High-strength fiberglass reinforced composite housing provides superior durability in demanding job site environments
- Integrated handle and carrying strap for portability.

# **Portable Battery Pump for Torque Applications**



### 28-Volt Battery

The **XC28V5** 5 Amps battery with Lithium-lon technology for maximum battery performance.



### **Battery Charger**

1-hour quick charger.

| Model Nr. | Voltage |
|-----------|---------|
| XC-115VC  | 115 VAC |
| XC-230VC  | 230 VAC |



### **Roll Cage**

Roll cage accessory option for both XC-TW and XC pump. Please order model number XCRCTK.



### **Torque Wrenches**

The following torque wrenches are ideal for use with the XC-Series Cordless Torque Wrench Pumps:

S-Series W-Series S1500X W2000X S3000X W4000X

**RSL-Series** RSL1500 RSL3000

Larger torque wrenches will work with the pump, battery run time and application speed will be impacted.

# **XC-Series, Cordless Torque Wrench Pumps**



### **Battery-Powered Torque** Wrench Pumps

The XC-Series Cordless Torque Wrench pump is ideal for

maintenance applications in the PowerGen, Oil & Gas and MRO markets. This portable pump is perfect for remote locations, sites that do not have access to power or where trip hazards are a concern.

The interactive pendant allows the user to set and clear pressure and operate in manual or auto-cycle mode.

The pump has an easily accessible user adjustable valve for precise pressure

| Torque<br>Wrench | Nut<br>A/F<br>(mm) | Stud<br>(mm) | Pres-<br>sure<br>(bar) | Torque<br>(Nm) | Faste-<br>ners<br>torqued |
|------------------|--------------------|--------------|------------------------|----------------|---------------------------|
| S3000X           | 60                 | 38           | 330                    | 2035           | 32                        |
| W2000X           | 60                 | 38           | 350                    | 1356           | 52                        |

XC **Series** 



Reservoir Capacity:

2,0 litres

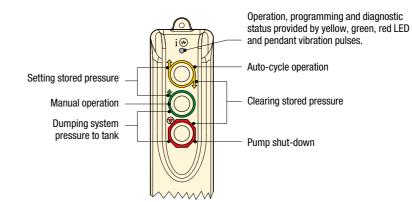
Flow at Rated Pressure: 0,25 l/min

Motor Size:

0,37 kW

Maximum Operating Pressure:

700 bar

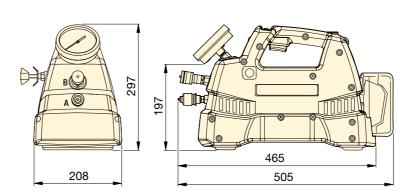


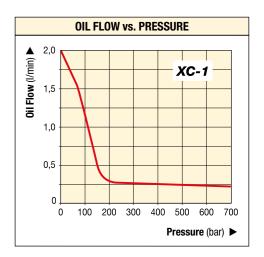


# **Torque Wrench Hoses**

Use Enerpac 700 bar THQ-700 Series torque wrench hoses with torque wrenches and pumps

| 6 m long, 2 hoses  | THQ-706T |
|--------------------|----------|
| 12 m long, 2 hoses | THQ-712T |





### **▼** SELECTION CHART

| Description       | Useable<br>Oil | Model<br>Number | Output Flow Rate |            |            | Included with pump           | Ā       |
|-------------------|----------------|-----------------|------------------|------------|------------|------------------------------|---------|
|                   | Capacity       |                 |                  | (I/min)    |            |                              |         |
|                   | (litres)       |                 | No<br>Load       | 140<br>bar | 700<br>bar |                              | (kg) 1) |
| Cordless Pump Kit | 2,0            | XC-1502TB       | 2,05             | 0,49       | 0,25       | 2 batteries and 115V charger | 12      |
| Cordless Pump Kit | 2,0            | XC-1502TE       | 2,05             | 0,49       | 0,25       | 2 batteries and 230V charger | 12      |
| Cordless Pump     | 2,0            | XC-1502T        | 2,05             | 0,49       | 0,25       | No batteries or charger      | 12      |

<sup>1)</sup> Weight includes oil, without battery. battery weight 1,1 kg.

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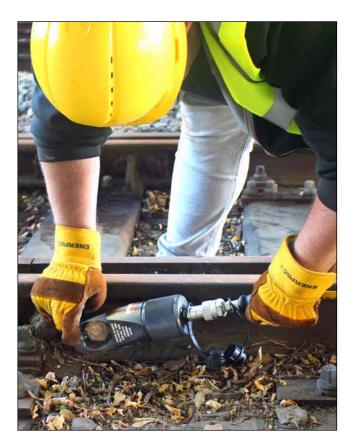
# **NC-Series, Single-Acting Hydraulic Nut Splitters**



▼ Shown from left to right: NC-3241, NC-1319, NC-1924



- Compact and ergonomic design, easy to use
- Unique angled head design
- Two blade design (NC-D models) for time saving operation nuts are split from two sides in one action
- Single-acting, spring return cylinder
- Heavy duty chisels can be reground
- Nut Splitters include spare chisel, spare set screw and wrench used to secure the chisel. A CR-400 coupler is standard.



| For Nut Splitter<br>Model Nr. | Replacement Cl<br>Model Numbers |           |
|-------------------------------|---------------------------------|-----------|
|                               | Moving                          | Static    |
| NC-1319                       | NCB-1319                        | -         |
| NC-1924                       | NCB-1924                        | -         |
| NC-2432                       | NCB-2432                        | -         |
| NC-3241                       | NCB-3241                        | -         |
| NC-4150                       | NCB-4150                        | -         |
| NC-5060                       | NCB-5060                        | -         |
| NC-6075                       | NCB-6075                        | -         |
| NC-1924D                      | NCB-1924                        | NCB-1924D |
| NC-2432D                      | NCB-2432                        | NCB-2432D |
| NC-3241D                      | NCB-3241                        | NCB-3241D |

# **Single-Acting Hydraulic Nut Splitters**



NC, **STN Series** 



Capacity: 49-882 kN (5 - 90 ton)

Bolt Range: M6 - M48

Maximum Operating Pressure:

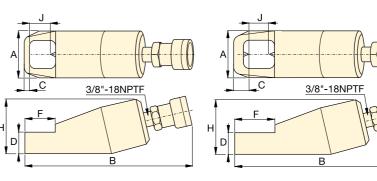
700 bar



# **Tool-Pump Sets**

Hydraulic Nut Splitters are available as sets (pump, tool, gauge, gauge adaptor, couplers and hose) for your ordering convenience.

| Nut Splitter<br>Model Nr. | Hand Pump<br>Model Nr. | Set<br>Model Nr |
|---------------------------|------------------------|-----------------|
| NC-1924                   | P-392                  | STN-1924H       |
| NC-2432                   | P-392                  | STN-2432H       |
| NC-3241                   | P-392                  | STN-3241H       |



Single Blade Models (NC)

Double Blade Models (NC-D)

|        | Bolt<br>Range | Hexagon<br>Nut Range | Capacity        | Oil<br>Capacity | Model<br>Number |     |     | Dime | ensions | (mm) |     |    | Ā    |
|--------|---------------|----------------------|-----------------|-----------------|-----------------|-----|-----|------|---------|------|-----|----|------|
|        | (mm)          | (mm)                 | ton (kN)        | (cm³)           |                 | Α   | В   | С    | D       | F    | Н   | J  | (kg) |
| Nº mil | M6 - M12      | 10 - 19              | <b>5</b> (49)   | 15              | NC-1319         | 40  | 170 | 7    | 19      | 28   | 48  | 21 | 1,2  |
|        | M12 - M16     | 19 - 24              | 10 (98)         | 20              | NC-1924 *       | 54  | 191 | 10   | 26      | 40   | 62  | 25 | 2,0  |
|        | M16 - M22     | 24 - 32              | <b>15</b> (147) | 60              | NC-2432 *       | 64  | 222 | 13   | 29      | 51   | 72  | 33 | 3,0  |
|        | M22 - M27     | 32 - 41              | <b>20</b> (196) | 80              | NC-3241 *       | 75  | 244 | 17   | 36      | 66   | 88  | 43 | 4,4  |
|        | M27 - M33     | 41 - 50              | <b>35</b> (343) | 155             | NC-4150         | 94  | 288 | 21   | 45      | 74   | 105 | 54 | 8,2  |
|        | M33 - M39     | 50 - 60              | <b>50</b> (490) | 240             | NC-5060         | 106 | 318 | 23   | 54      | 90   | 128 | 60 | 11,8 |
|        | M39 - M48     | 60 - 75              | <b>90</b> (882) | 492             | NC-6075         | 156 | 393 | 26   | 72      | 110  | 181 | 80 | 34,1 |
|        | M12 - M16     | 19 - 24              | <b>10</b> (98)  | 20              | NC-1924D        | 54  | 168 | 22   | 25      | 50   | 66  | 26 | 3,8  |
|        | M16 - M22     | 24 - 32              | <b>15</b> (147) | 60              | NC-2432D        | 64  | 275 | 25   | 31      | 65   | 78  | 33 | 5,4  |
|        | M22 - M27     | 32 - 41              | <b>20</b> (196) | 80              | NC-3241D        | 77  | 305 | 31   | 37      | 80   | 90  | 43 | 7,2  |

Ordering Notes: Maximum allowable hardness to split is HRc-44. Not to be used on square nuts or stainless steel.

<sup>\*</sup> Available as Tool-Pump Set, see note on this page.

▼ Shown: PRASA10027L and Accessory Locking U-Rings



- 54, 90, 136 and 181-ton 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 B30.1:2015 & CE 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<sup>™</sup> Extension System allows lifting at all heights without blocking.

# Safe, Efficient, **Mobile Load** Lifting

**Pendant Cord** air driven units with pneumatic electric driven units keeps operator away from the load.

# Standard 3.5 m pendant cord for valves and 6 m pendant cord for

# **Spacers**

Fine tune your Extension stack height.

| Model<br>Number | Size<br>(mm)                 | Model<br>Number | Size<br>(mm) |  | Model<br>Number | Size<br>(mm)     | Model<br>Number | Size<br>(mm) |
|-----------------|------------------------------|-----------------|--------------|--|-----------------|------------------|-----------------|--------------|
| PRE5            | 127                          | PRE11           | 279          |  | PRS1            | 25               | PRS3            | 76           |
| PRE7            | 178                          | PRE14           | 356          |  | PRS2            | 51               | -               | -            |
| PRE9            | 229                          | PRE18           | 457          |  | PRS4            | Set inclu        | ides (2) PRS    | 1, (1) PRS2  |
| PRES6024        | Extension set includes PRE5, |                 |              |  |                 | and (1) <b>F</b> | PRS3            |              |
|                 | PRE7, PF                     | RE11PRE18       |              |  |                 |                  |                 |              |

| Cap. | Swivel<br>Load<br>Cap | Locking U-Rings |          |           |           |           | Set<br>Model<br>Number                         |             |            | g U-Ring<br>Include | ı            |
|------|-----------------------|-----------------|----------|-----------|-----------|-----------|--|-------------|------------|---------------------|--------------|
| (kN) | 7                     | 25<br>mm        | 76<br>mm | 114<br>mm | 140<br>mm | 254<br>mm |  | (quan<br>2X | tity and n | nodel nur<br>2X     | nbers)<br>1X |
| 533  | PRTS60                | PRU11           | PRU13    | PRU14     | -         | PRU110    | <sup>1)</sup> PRUS126<br><sup>2)</sup> PRUS137 | PRU11       | PRU13      | PRU14               | PRU10        |
| 000  | PRTS60                | DDUI44          | DDUMA    | DDUAA     |           | DDUI440   | <sup>1)</sup> PRUS126                          | PRU11       | PRU13      | PRU14               | _            |
| 889  | PK 1500               | PRU11           | PRU13    | PRU14     | -         | PRU110    | <sup>2)</sup> PRUS137                          | PRU11       | PRU13      | PRU14               | PRU110       |
| 1333 | PRTS150               | PRU151          | PRU153   | -         | PRU155    | PRU1510   | <sup>3</sup> PRUS1526<br><sup>2</sup> PRUS1537 | PRU151      | PRU153     | PRU155              | _            |
| 1770 | PRTS200               | DDI 1904        | DDIIOO2  |           |           |           | 3) PRUS2026                                    |             | PRU203     | PRU205              | _            |
| 1//8 | PK 15200              | PRU201          | PRU203   | -         | PRU205 PF | PRU2010   | <sup>2)</sup> PRUS2037                         | PRU201      | PRU2010    | PRU205              | _            |

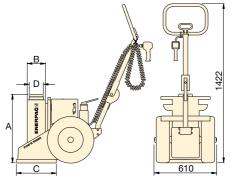
<sup>1)</sup> For 356 mm and 406 mm stroke models

SUP-R-STACK™

Increase useful height

from 127 to 457 mm.

**Extensions** 



# PR **Series**



Rated Lifting Capacity:

54 - 181 ton

Stroke:

356 - 686 mm

Maximum Operating Pressure:

700 bar

### **WARNING!**

**Extensions:** Any two Extensions may be stacked for loads up to 54 ton. For loads over 54 ton or strokes over 356 mm only one Extension and one Spacer can be used.

**Spacers:** Never exceed 76 mm in total Spacer height.



### **Locking U-Rings**

For safe mechanical cribbing of a lifted load, accessory Locking U-Rings can be placed around an extended

piston and come in four lengths for each POW'R-Riser® capacity, and are available individually or in sets. Locking U-Rings are accommodated by storage racks integral to the POW'R-Riser®.

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

### Ordering Example:

Model Number PREMI06014L is a 356 mm stroke, 54 ton model, with a manual valve and a 230 VAC, 1-ph, 50 Hz electric motor.

A Air Pump, 1416 I/min air consumption at 5,5 bar

B 115 VAC, 1ph., 50-60 Hz, 20 A

E 208-240 VAC, 1-ph., 50-60 Hz, Euro Plug, 10 A

208-240 VAC, 1-ph., 50-60 Hz, USA Plug, 10 A

G 1)208-240 VAC, 3-ph., 50-60 Hz

W 1)380-415 VAC, 3-ph., 50-60 Hz

1)440-480 VAC, 3-ph., 50-60 Hz

<sup>1)</sup>575 VAC, 3-ph., 50-60 Hz

▼ Versatility for rail maintenance. One jack for all cars from Intermodal



| Capacity          | Stroke | Electric Pump<br>Model Number | Weight | Air Pump    | Weight | Α    | В    | С    | D    | Max. Additional<br>Stack Height Using<br>Optional Ext. System | Valve<br>Type |
|-------------------|--------|-------------------------------|--------|-------------|--------|------|------|------|------|---|---------------|
| ton (kN)          | (mm)   | (230 VAC)                     | (kg)   |             | (kg)   | (mm) | (mm) | (mm) | (mm) | (mm)  |               |
| E4 (E00)          | 356    | PREMB06014L                   | 177    | PRAMA06014L | 177    | 610  | 162  | 356  | 102  | 813*  |               |
| <b>54</b> (533)   | 686    | PREMB06027L                   | 272    | PRAMA06027L | 272    | 940  | 162  | 356  | 102  | 279   | Manual        |
|                   | 406    | PREMB10016L                   | 231    | PRAMA10016L | 231    | 660  | 178  | 457  | 102  | 533**   | Iviariuai     |
| 00 (000)          | 686    | PREMB10027L                   | 272    | PRAMA10027L | 272    | 940  | 178  | 457  | 102  | 279   |               |
| 90 (889)          | 406    | -                             | -      | PRASA10016L | 231    | 660  | 178  | 457  | 102  | 533**   |               |
|                   | 686    | -                             | -      | PRASA10027L | 272    | 940  | 178  | 457  | 102  | 279   | Pneumatic     |
|                   | 394    | -                             | -      | PRASA15016L | 258    | 660  | 203  | 457  | 127  | 533**   | Fileumatic    |
| <b>136</b> (1333) | 673    | -                             | -      | PRASA15027L | 321    | 940  | 203  | 457  | 127  | 279   |               |
| 130 (1333)        | 394    | PREMB15016L                   | 258    | -           | -      | 660  | 203  | 457  | 127  | 533**   | Manual        |
|                   | 673    | PREMB15027L                   | 321    | -           | -      | 940  | 203  | 457  | 127  | 279   | iviailuai     |
| 101 (1770)        | 394    | -                             | -      | PRASA20016L | 290    | 660  | 241  | 508  | 152  | 533**   | Dnoumatio     |
| <b>181</b> (1778) | 673    | -                             | -      | PRASA20027L | 374    | 940  | 241  | 508  | 152  | 279   | Pneumatic     |

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

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<sup>2)</sup> For 686 mm stroke models

<sup>3)</sup> For 394 mm stroke models

<sup>1)</sup> Not available for 54-ton capacity

<sup>\*\*</sup> Based on one 457 mm Extension and one 76mm Spacer







# RAIL EQUIPMENT

Enerpac is the global leader in hydraulic tools, systems and heavy lifting equipment. Our focus is to provide hydraulic tools and solutions that make jobs safer and easier to perform, increase productivity, and minimize downtime at every stage in the maintanance from rail tracks to wagons.

# **Work site tool solutions & services**

Enerpac innovative products and effective solutions are suitable in virtually all rail activities. Enerpacs rail equipment, offer the solution best-suited to the project, where 'ergonomic, timesaving and no risk' are the key elements, we focus on to get the job done.



**P-Series**Ultima Steel Hand Pumps



**ETW-PTW-Series**Electric or Pneumatic Torque Wrenches



NC-Series Nut Cutters



# **Enerpac Service Vans**

- Demonstrate Enerpac tools on your premises
- On-Site Enerpac tool service
- Training for safe and efficient use of hydraulic tools



### **Enerpac Academy**

Enerpac Academy is our in-house training center, set up exclusively for Enerpac business partners, Enerpac users and Enerpac employees: training programs ranging from tool expertise, repairs and maintenance, to safe operation of high-pressure hydraulic tools.



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