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# Professional Hydraulic Equipment

*Cylinders, Pumps, Jacks, Pullers, Torque Wrenches,  
Tools & Accessories*



Powerthon  
Limited  
**Lifetime**  
WARRANTY  
ISO 9001 Certified

Worry Free  
Ownership

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## HYDRAULIC CYLINDERS SINGLE-ACTING, SPRING-RETURN



C Series

### “C” SERIES GENERAL PURPOSE

- 5 to 100 ton Capacities
- Threaded Collars
- Base Mounting Holes (Optional for 75 to 100 ton Capacities)
- For Lifting & Pressing
- Optional Accessories & Adapters



CBT Series

### “CBT” SERIES THREADED END

- 5 to 25 ton Capacities
- Threaded Collars
- Threaded Piston Rod Ends
- Internal Base Threads
- Accommodate Accessories & Adapters (Optional)



RP Series

### “RP” SERIES PULLING

- 2 & 5 ton Capacities
- Threaded Piston Rod Ends
- Heavy-Duty spring provides long life and rapid extension
- Spring automatically extends piston rod when pump pressure is applied



RT Series

### “RT” SERIES CENTER HOLE

- 17-1/2 to 100 ton Capacities
- Hollow Piston, Twin Cylinder Design
- Compact Design
- Interchangeable Piston Head Inserts
- Base Mounting Holes
- For Pulling & Pressing
- Optional Accessories & Adapters



RH Series

### “RH” SERIES CENTER HOLE

- 10 to 100 ton Capacities
- Hollow Piston Design
- Interchangeable Piston Head Inserts
- Threaded Collars on Most Models
- For Pulling, Testing, Maintenance & Tensioning Applications
- Optional Accessories & Adapters



RA Series

### “RA” SERIES ALUMINUM

- 20 to 100 ton Capacities
- Lightweight
- Resist Wear & Corrosion
- Resist Sparking in Explosive Environments
- Optional Swivel Cap available to reduce the effects of Off-center Loading
- For Jacking & other Non-production Operations



RLS Series

### “RLS” SERIES LOW PROFILE

- 5 to 150 ton Capacities
- Compact & Low Height
- For Confined Areas from 1-5/8" to 4" Clearance
- Domed Piston Rod or Swivel Cap minimize effects of Off-center Loading
- Mounting Holes



RA Series

### “RA” SERIES SHORTY

- 10 to 250 ton Capacities
- Low Closed Height
- For Confined Areas from 3-1/2" to 11-7/6" Clearance
- 100 ton Capacities available in Double-acting
- Optional Swivel Caps available



RA\_L Series

### “RA\_L” SERIES LOCKING COLLAR-ALUMINUM

- 55 & 100 ton Capacities
- Lightweight
- Positive Mechanical Lock to support Load
- For Lifting & Mechanical Load Holding

## HYDRAULIC CYLINDERS SINGLE-ACTING, LOAD-RETURN



RGG Series

### “RGG” SERIES

- 55 to 600 ton capacities
- Standard Swivel Caps to reduce the effects of Off-center Loading
- Patented floating piston design resists side loading
- Nitro-carburization inhibits corrosion and provides durability
- Base mounting holes on all models



R\_C Series

### “R\_C” SERIES

- 55 to 565 ton Capacities
- Visible indicator band alerts when stroke limit is reached
- Optional swivel caps available
- Equipped with overflow port stroke limiter



ZCC Series

### “ZCC” SERIES

- 550 to 1650 ton Capacities
- Plated piston rod increases corrosion resistance
- Integral Swivel Caps to reduce the effects of Off-center Loading
- Base Mounting Holes Standard



RGL Series

### “RGL” SERIES LOCKING COLLAR

- 55 to 600 ton capacities
- Standard Swivel Caps to reduce the effects of Off-center Loading
- Patented floating piston design resists side loading
- Nitro-carburization inhibits corrosion and provides durability
- Locking collar supports load mechanically



PLC Series

### “PLC” SERIES

- 67 to 565 ton Capacities
- Up to 1.75" Stroke
- Standard Swivel Caps to reduce the effects of Off-center Loading
- Nitro-carburization inhibits corrosion and provides durability



ZCL Series

### “ZCL” SERIES

- 550 to 1100 ton Capacities
- Locking collar supports load mechanically
- Integral Swivel Caps to reduce the effects of Off-center Loading
- Equipped with overflow port stroke limiter

## HYDRAULIC CYLINDERS DOUBLE-ACTING, HYDRAULIC-RETURN



RD Series

### “RD” SERIES GENERAL PURPOSE

- 10 to 500 ton Capacities
- Premium Design for High Cycle Life
- Threaded Collars
- Internal Piston Threads
- Base Mounting Holes
- For Lifting & Pressing



R\_D Series

### “R\_D” SERIES

- 100 to 565 ton Capacities
- Plated piston rod increases corrosion resistance
- Plated piston rod increases corrosion resistance
- Built in safety relief prevents retraction over-pressurization



RDG Series

### “RDG” SERIES

- 55 to 600 ton capacities
- Standard Swivel Caps to reduce effects of Off-center Loading
- Patented floating piston design resists side loading
- Nitro-carburization inhibits corrosion and provides durability



RH Series

### “RH” SERIES CENTER HOLE

- 30 to 200 ton Capacities
- Hollow Piston Design
- Interchangeable Piston Head Inserts
- For Pulling & Tensioning



ZDD Series

### “ZDD” SERIES

- 550 to 1650 ton Capacities
- Plated piston rod increases corrosion resistance
- Optional flat load cap or swivel caps
- Built in safety relief prevents over-pressurization on retract

## HYDRAULIC ACCESSORIES HOSES, FITTINGS, COUPLERS & ACCESSORIES

### HOSES



9774

- Polyurethane or Rubber Wire-braided Hoses
- Non-conductive Hoses available for Electrical Isolation
- 2 ft. to 100 ft. Length
- 1/4" or 3/8" I. D.
- 3/8" NPT

### HYDRAULIC FLUID



9639/9638

- Choice of Standard, Flame-out, Biodegradable & Low Temperature Hydraulic Oil
- Pack in 1 quart, 1 gallon & 2-1/2 gallons



9040 / 9040GA

### GAUGES

- 2-1/2", 4" & 6" Dial Analog Gauges
- 2.5" Digital Gauge
- ASME B40-1, Grade B Standard
- Feature an easily Readable & Highly Visible Red Day-glo Needle
- Dry or Silicone Filled
- Stainless Steel Case
- Maximum Peak Indicator Lens (Optional)
- 1/4" NPT

## HYDRAULIC HAND PUMPS

### SINGLE-SPEED



P55



P23

- P12 & P55 Series
- P23 Series (Up to 3,000 psi)
- Oil Capacities from 12 in<sup>3</sup> to 55 in<sup>3</sup>



P157 / P159



P59F

### 2-SPEED SINGLE-ACTING

- P19, P59, P157, P159, P300 & P460 Series
- P59F Series (Foot-operated)
- Oil Capacities from 24 in<sup>3</sup> to 2-1/2 gallons



P460

### 2-SPEED DOUBLE-ACTING

- P157D, P159D, P300D & P460D Series
- Oil Capacities from 152 in<sup>3</sup> to 2-1/2 gallons



P59L/P19L Series

### 2-SPEED LIGHT WEIGHT

- P19L, P59L and P59L-1500 Series
- Link Design Reduces Handle Effort by 40%
- Durable Aluminum Reservoir, Manifold & End Cap
- Ergonomic Non-slip Handle Grip Provides More Comfort
- Spring Loaded Handle Lock Incorporated into Handle

## AIR HYDRAULIC PUMPS

### SINGLE-SPEED



PA9



PA9H



PA6

PA6D

- PA6 & PA9 Series (For Single-acting)
- PA6D Series (For Double-acting)
- Compact, Lightweight & Portable
- Easier to Operate than a Hand Pump
- Hand or Foot Control
- Oil Capacities from 105 in<sup>3</sup> to 2-1/2 gallons



PA172



PA464R

### 2-SPEED

- PA60 Series Equipped with a Manifold to Operate Multiple Cylinders
- PA64 Series Equipped with manual directional valve
- PA17 Series (Rotary-style Air Motor)
- PA46 Series (Rotary-style 3 hp Air Motor)
- PA554 Series (High Performance)
- Oil Capacities from 2 gallons to 2-1/2 gallons



## ELECTRIC / BATTERY HYDRAULIC PUMPS



PB10 Series

### PB10 SERIES

- PB102 & PB104 Series (18V Li-Ion Battery)
- PE102 & PE104 Series (Electric)
- PR102 & PR104 Series (12VDC Battery)
- High Performance, Compact & Portable Power Source
- High-impact Housing with Flame-retardant Construction
- For use with Single-acting or Double-acting Cylinders & Tools
- For use with Single-acting or Double-acting Cylinders & Portable Hydraulic Tools



PB43 Series

### PB43 SERIES

- Li-ion 60VDC, 8.0 Ah battery with 4 level battery life indicator
- 1.5 Hour battery charge time from drained to full
- 30 Minutes continuous run time with a RD106 cylinder: Extending to 10k PSI holding and retracting to 10k PSI and holding (130 cycles)
- Two-stage, high-pressure (10k PSI) hydraulic pump offers quick tool advancement in the first stage with industry leading second stage mid pressure flow: 82 in3/m 2,000 PSI, 62 in3/m 7,000 PSI, 43 in3/m 10,000 PSI
- Quiet, 75 dBA at max pressure great option for indoor applications or where noise is a concern.
- 2.1HP motor provides ample power to support high-pressure performance
- Lightweight and portable, 72.5 lbs. with battery and oil

## PE SERIES ELECTRIC HYDRAULIC PUMPS



PE214



PE604S /  
PQ1204S

### STATIONARY APPLICATION (HEAVY-DUTY) 2-SPEED

- **PE21 Series** (1 hp Induction Motor) for Low-Speed & High-torque for Heavy-duty, Extended-cycle Operations
- **PQ60 Series** (2 hp Induction Motor) for Heavy-duty, Extended-cycle Operations
- **PQ120 Series** (3 hp 3-phase Motor) for Low-Speed & High-torque for Heavy-duty, Extended-cycle Operations
- **PE400 Series** (10 hp 3-phase Motor) for High Tonnage Single or Multiple Cylinder Applications
- **PED25 Series** (1-1/2 hp Induction Motor) "Dual Flow" Pumps for Running Multiple Tools or Cylinders from One Power Unit



PE182



PE554

### PORTABLE APPLICATION (HEAVY-DUTY) 2-SPEED

- **PE18 Series** (1/2 hp Universal Motor) for use with Small Hydraulically Powered Tools
- **PE30 Series** (1 hp Universal Motor) for Maintenance & Construction Applications
- **PE55 Series** (1-1/8 hp Universal Motor) Heavy-duty Multiple-applications Pump
- **PE60 Series** (1-1/8 hp Universal Motor) Compact & Lightweight Pump for Operating Single or Double-acting Cylinders or Stressing Jacks



PE174

### PORTABLE APPLICATION (STANDARD) 2-SPEED

- **PE17 Series** (1/2 hp Induction Motor) for Maintenance & Construction Applications
- **PE46 Series** (1-1/2 hp Induction Motor) for Maintenance & Production Applications

## HYDRAULIC TOOLS & EQUIPMENT



HP35

### HYDRAULIC PUNCHES

- 35 ton Capacities
- Punches & Dies
- Portable
- Punches Holes up to 1/2" Thick Mild Steel



HNS150

### NUT SPLITTERS

- 15 & 25 ton Capacities
- Hex Sizes from 1/2" to 2-1/4"



PTPHV859ASPX

### HYDRAULIC VISE

- 8" Jaw opening
- 5 tons Clamping force
- Available with optional foot operated pump for hands-free operation



RJ100T24E

### PORTABLE RAILROAD HYDRAULIC JACKS

- 100 ton Capacities,
- 16" to 27" Stroke
- Includes: Cribbing Blocks, Spacers, Extensions & Swivel Caps
- Extended Height up to 64"
- Electric or Air Hydraulic Powered
- Remote Control
- Ideal for Locomotive & Railcar Maintenance



FLS15

### HYDRAULIC FLANGE SPREADER

- 16.5 ton Capacities
- Wedge-Driven
- Serrated Shoe
- Compact & Lightweight
- Suitable for Offshore Environment
- Optional Handle, Stepped Shoe & Stepped Block



HS2000

### HYDRAULIC SPREADERS

- 1 & 1-1/2 ton Capacities
- Works like a Hydraulic Pry Bar



SJ3010 / SJ2010

### POST TENSION & STRESSING JACKS

- 20 & 30 ton Capacities
- Monostrand Stressing Jacks
- Optional Power Seater



9015B

### HYDRAULIC JACKS

- 2 to 110 ton Capacities
- Bottle Jacks, Low Profile Jacks, Telescoping Jacks & Sidewinder Jacks
- Toe Jacks (2 to 10 ton Capacities)

## PULLERS

### MECHANICAL OR HYDRAULIC



PH553C

### HYDRAULIC UNIVERSAL PULLERS

- ENFORCER 55 & 100 ton Capacities
- Grip-O-Matic Feature
- Hydraulic Lift for Easy, Precise Positioning of Puller
- Ease of Mobility



PH1002

### UNIVERSAL RAILROAD AXLE ROLLER BEARING PULLER/INSTALLER (Hydraulic, Double-acting)

- 100 ton Pulling Force Capacities
- Jack or Sling Type
- Hydraulic Lift for Easy, Precise Positioning of Puller (Handpump or Electric Pump)
- Portable for Easy, Convenient Positioning & Storage
- Service a Full Line of Bearings with Rotating End Caps, from Class B through GG as well as Metric Bearings



PR3100J



PT110 & PT213

### MECHANICAL JAW PULLERS

- 2 & 3 Jaws
- 1 to 40 ton Capacities
- Safety cage and T Handle control the jaws at all times
- Long and Extra Long Jaw options are available for select models



PTPHC Series

### HYDRAULIC PULLERS

- 2 & 3 Jaws
- 5 to 50 ton Capacities
- Available in Electric or Hand Pump
- Long and Extra Long Jaw options are available for select models



PTPH Series

### HYDRAULIC PULLERS

- 2, 3 & 4 Jaw Configurations
- 50 to 200 ton Capacities
- V ertical and horizontal models available
- Optional Jaw tips for 100 & 200 ton models
- Available in Single & Double-Acting

## SHOP EQUIPMENT



### BENCH PRESSES

- 10 ton Capacities

SPM1010



### C-FRAME PRESSES

- 25 ton Capacities
- Optional Pedestal Base

SPM256C



### ECONOMY H-FRAME PRESSES

- 25 ton Capacities

SPE256



### FLOOR PRESSES

- 10 ton Capacities

SP1010A



### OPEN THROAT H-FRAME PRESSES

- 25 ton Capacities

SPM2514



### H-FRAME PRESSES

- 55 to 200 ton Capacities

SPE5513



### ROLL-BED H-FRAME PRESSES

- 80 to 200 ton Capacities
- Fast & Easy Loading & Unloading of Heavy Workpiece
- Centering of Pressing Jobs

RB10013S



### FLOOR CRANES

- 1 & 2 ton Capacities
- Foldaway Feature for Compact Storage
- Ease of Mobility

FC2200

## TORQUE AND TENSIONING SOLUTIONS



### TORQUE WRENCHES

- 1,390 ft.lb. (1,880 Nm) to 28,800 ft.lbs. (39,000 Nm) Torque Capacities
- Super Compact
- Lightweight
- Durable Rigid All-steel Body
- Accurate Torque Output
- Multi-axis, High Flow Swivel Manifold System
- Safety Pressure Release Mechanism
- Patented Torque Transfer Mechanism
- Side Load Free Piston
- Topside or Sub-sea Applications

TWLC Series



TWHC Series



### TORQUE WRENCH PUMPS

- High Performance Pump for Rapid Tool Advance
- External adjustable Pressure Regulator for Torque Setting
- Retract Side Internal Relief Valve Protects Tool
- Hand Remote Control with 6 metres Cord
- Use for double- or single- acting Tool
- Single- or Four-tool Manifold
- Electric TW Pump with Oil Cooling Fan (Optional)
- Air TW Pump Safe to use in Hazardous or Explosive Environments

RWP55 Series



PE60 Series



### TENSIONERS

- Spring-return and Manual-Return Options
- Bolt coverage from 3/4" to 4"
- Unique quick-release bridge adaptation
- Subsea Tensioners Available
- Wind Tensioners Available

SRT



### PNEUMATIC TORQUE TOOLS

- High-speed continuous rotation speeds up bolt working times
- Torque output accurate to +/- 3%
- Retract Side Internal Relief Valve Protects Tool
- Unique calibration for each tool, with certificate
- High-low gear, two-speed design for rapid nut rundown
- 664 to 4428 ft lbs (900 to 6000 Nm) of torque

NRP Series



### TENSIONER PUMPS

- Corrosion resistant frame
- Continuous duty up to 50°C (122°F) ambient
- Calibrated 6" (150 mm) Pressure Gauge
- Dual oil outlets with quick-connect, no spill couplings
- Pneumatic Filter/Regulator/Lubricator included

HPUTP Series



### ENS NUT SPLITTERS

- Triple edge replaceable cutting blade
- Blade positioning scale to eliminate bolt damage
- Cutting depth fixed - Nut size adjustable via rotating cylinder
- Size range from 3/4" to 3-1/2" (M20 to M90) bolt diameters

ENS

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