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*For customers requiring CE-compliant products, please contact our Technical Support team to confirm the current compliance status of any specific item. Product specifications and certifications may vary over time, and we recommend verifying compliance before placing an order.

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Comprehensive Range of Problem Solving

A Heritage of Innovation

The early origins of Power Team date back over nine decades. From this beginning, Power Team has emerged as a global supplier of hydraulic and mechanical tools. Power Team is known as the industry standard for rugged construction, reliability and long service life.

A Pacesetter in Hydraulic Technologies

Power Team's history of designing and producing high pressure (10,000psi/700 bar) hydraulics is well established. Through innovation, experience, new products and technology Power Team serves a broad range of industrial and construction markets.

Creative Solutions

New products and inventive solutions are continually added to the growing Power Team product portfolio of mechanical and hydraulic tools. Special versions of many of these products are available upon request.

The Power Team Commitment to Quality

Power Team is certified to the ISO 9001:2008 Quality Management system. This industry distinction is underscored by Power Team's Lifetime Powerthon Warranty.

Product Availability and Service

A worldwide network of Power Team distributors and service centers assures local product, parts and service availability.



Lifting

Lowering



Pulling

Pushing



Turning

Bending



Cutting

Spreading



SEMINARS & TRAINING



Maintenance & Repair Training

This seminar explains the proper methods for keeping Power Team products operating at peak levels of performance and reliability.

Topics include understanding hydraulic circuits, product maintenance, trouble-shooting, and field repairs. In-house classes are three or five day seminars structured to meet your product knowledge requirements.

Safety Training

Power Team Safety Training Seminars demonstrate the proper methods for operating high-pressure hydraulic tools to avoid equipment damage and lost time accidents.

Safety seminars can be conducted at a customer facility, job site or Power Team headquarters.

PUMPS

A. Hand Pumps

- Steel or aluminum construction, yet light in weight for portability, the wide range of Power Team hand pumps is ideal for powering single-acting or double-acting cylinders and hydraulic tools.
- Certain Single-speed models (P12, P23, P55) are primarily for use with single-acting hydraulic cylinders.
- 2-speed pumps provide fast cylinder piston approach to the work to reduce the number of handle strokes needed.

B. Air Pumps

- For powering single and double-acting cylinders and portable hydraulic tools.
- 2-speed pumps offer higher output and efficiency.

C. Cordless Pumps

- For powering portable tools such as spreaders, nut splitters, pipe flange spreaders, etc.
- Available in 12V & 18V models



A



B



C





PUMPS

D. Electric Pumps

- All Power Team electric/hydraulic pumps are 2-speed models, offering faster cylinder extension. Electric motors range from 1/4 hp to 10 HP.
- For powering cylinders or tools up to 10,000 psi (700 bar).
- Well known for reliability, **Vanguard®** pumps have been continually upgraded for over 40 years. In fact, some of the originals are still in service.
- Power Team offers assemble-to-order (ATO) electric/hydraulic pumps, built to fit each specific application.

E. Gasoline-Driven Hydraulic Pumps

- Readily portable; popular in the railroad, rescue and construction markets.

CYLINDERS

A. General Purpose Cylinders

- C Series, CBT Series and RP Series
- Capacity: 5-100T (4.5-91 tonnes)
- Stroke: 1"-14" (25-356mm)
- Return Type: SA Spring-Return

B. Aluminum Cylinders

- RA Series and RA L Series
- Capacity: 20-100T (18-91 tonnes)
- Stroke: 2"-10" (50-254mm)
- Return Types: SA Spring-Return

D. Center-Hole Models

- RH Series
- Capacity: 10-200T (9-181 tonnes)
- Stroke: 0.31"-10.13" (8-257mm)
- Return Type: SA Spring-Return or DA Hydraulic-Return





E



F



CYLINDERS

E. Low Height Cylinders

- RSS Series, RLS Series, and RGP Series
- Capacity: 5-565T (4.5-513 tonnes)
- Stroke: 0.44"-3" (11-76mm)
- Return Type: SA Spring-Return (RSS and RLS), SA Load-Return (RGP)

F. Locking Collar Cylinders

- RGL Series, RGP Series, R Series and RA_L Series
- Capacity: 55-1000T (44-910 tonnes)
- Stroke: 1.75"-12" (25-356mm)
- Return Type: SA Load-Return (RGL, RGP, & R), SA Spring-Return (RA_L)

G. Construction Cylinders

- RGG Series, RDG Series, RGL Series, RGP Series, R Series, and Z Series
- Capacity: 55-1650T (50-1500 tonnes)
- Stroke: 1"-14" (25-356mm)
- Return Type: SA Load-Return (RGG, RGL, RGP and R), DA Hydraulic-Return (RDG and R)

SHOP EQUIPMENT

A. C-Frame Press

- Hydraulic cylinder delivers a 6.25"(15cm) stroke driven by a P59 hand pump.
- Cylinder head adjusts to three convenient working positions, providing up to 20.25" (51CM) of "daylight."

B. H-Frame Press 10 ton (9 tonne)

- 15.38"(391mm) x 18" (457mm) work area.
- Floor press bed height can adjust from 5"(127mm) to 41"(1041mm) with horizontal "daylight" of 21" (553mm).

C. H-Frame Press 25 ton (22 tonne)

- Off-center pressing of full capacity can be applied across entire width of frame.
- Press bed height easily adjustable with winch. Bed will not drop when handle is released.

D. H-Frame Press 55 ton (50 tonne)

- "Daylight" of 42" (1067mm) x 36" (914mm).
- Presses with single-acting cylinders offer choice of 2-speed hand operated, electric/hydraulic, or air/hydraulic pump.

E. Roll-Bed Press 80-200 ton (72-181 tonne)

- "Daylight" for 80-100 ton is 50.5" (1283mm) x 60" (1524mm)
- "Daylight" for 150-200 ton is 51.25" (1320mm) x 64" (1625mm)





JACKS

A. Mini Jacks 5-20 tons (4-18 tonne)

- Retracted height of just 2.56" (6.02mm) for the smallest jack and 5.13" (130mm) for the 20 ton (18 tonnes).

B. Bottle Jacks 12, 20, 30 ton (10, 18, 27 tonne)

- The 12 ton & 20 ton (10, 18 tonne) models feature screw extensions for added versatility.
- Large base area for increased strength and stability during lifting.
- Lever Bar included on all models.

C. Telescoping Jacks 6-13 tons (5-11 tonne)

- The super-long stroke of these jacks eliminates the need to lift or crib.
- These jacks feature a unique beveled base that allows the jack to "follow" the load laterally as it is raised, greatly reducing side-loading of the piston.

D. Toe Jacks

- An internal pressure relief provides added safety by limiting the jack's lifting capability to the capacity of the toe.

E. Portable Railroad Jack 100 ton (90 tonne)

- Double-acting cylinder with locking collar.
- Jack has a 20 ft. (6m) remote pendant for user safety and control.

PULLERS

A. 200-ton Hydraulic Puller System

- 200-ton capacity puller with 48" (1219 mm) reach and 70" (1778 mm) spread.
- 10,000 PSI (690 Bar) double-acting 13.25" (337 mm) stroke cylinder.
- Hydraulic-actuated lift cart extends vertically up to 5' (1.52 m).

B. 5 to 50-ton Hydraulic Puller Kits

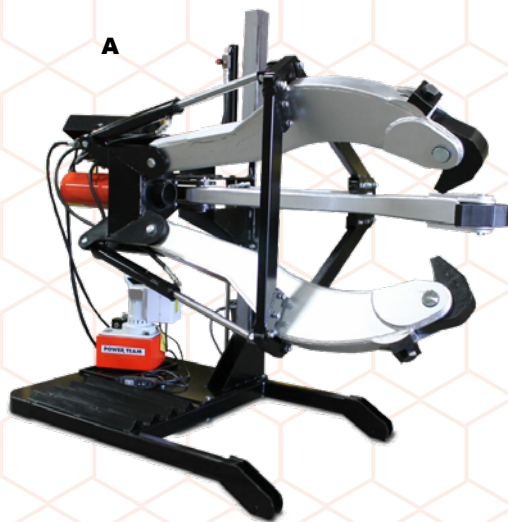
- 5 to 50-ton capacity puller with up to 14" (356 mm) reach and 25" (635 mm) spread.
- 10,000 PSI (690 Bar) single-acting cylinder.
- Available with a hydraulic hand pump or a PE17 series electric pump.

C. Mechanical 2 & 3 Jaw Pullers

- 1 to 40-ton capacity puller with up to 14" (356 mm) reach and 25" (635 mm) spread.
- Safety Cage® guides jaws for fast set-up, solid contact and superior safety.
- Slim tapered heat-treated tips allow for better gripping and easier access in tight spots.

D. Self-Contained Hydraulic Puller

- Self-contained pump/cylinder with swiveling adjustable-length pump handle.
- 108 or 208 puller assembly with standard length jaws with a reach up to 8" (203 mm) and a 12" (305 mm) spread



HEAVY LIFT

A. eSync Multi-Point Motion Control System

- eSync includes 4 standard double acting hydraulic points, linkable to 16 eSync units and 64 points.
- eSync units are available without a pump or included with Power Team PB43 (cordless) or PE60 (corded) hydraulic 10K PSI pumps.
- Systems that include a pump come with everything you need to get started. Just add cylinders and hydraulic hoses for a complete system ready to lift.
- For plumbing hydraulic systems.

B. Motion Control System (MCS)

- Systems include 4, 8, 12, 16, 24 jacking points, contact Power Team for larger MCS requirements up to 128 points and manifold systems up to 512 points.
- Operating pressure (up to) 10,000 psi (700 bar).
- Positioning, lifting or lowering accuracy of +/- .040" (1 mm).
- MCS works with a wide range of cylinder types, tonnages and strokes to meet your application requirements.
- Displayed information included: startup diagnostics, position of lift points relative to starting position, pressure at each lift point, status of each cylinder and status of alarms.

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TOOLS

A. Hydraulic Vise

- Vise jaws open up to 8" (203 mm) for large holding requirements
- Includes an air control valve for variable speed and safety

B. Hydraulic Pipe Flange Spreaders

- Eliminate hammer and chisel methods that waste time. Used in pairs to provide an even spreading force.

C. Hydraulic Flange Spreaders

- 15 ton wedge-driven spreader.
- Jaws fully supported by wedge for excellent durability.
- Compact and lightweight design 9.9" (250mm) long and a weight of 7lb (3.175kg).
- Low friction provided by heavy-duty extended-life lubricant, ideal for flanges with narrow gaps.
- Use to lift machines to spread concrete forms or rebar and perform straightening jobs.
- Jaws are spring-return to retract automatically when pressure is released.





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TOOLS

D. Hydraulic Punches

- Ideal for welding and metal fabrication.
- Fully portable for construction, maintenance and service applications, or can be mounted on a workbench for production jobs.
- Punch smooth, precise holes in seconds.

E. Hydraulic Nut Splitters

- Compact size allows you to use it in confined areas where it will deliver enough force to split the toughest "fused" or rusted-on grade 2H nuts.
- Dial-in" feature on HNS150 makes adjustment of splitter simple, without the worry of damaging the bolt.

F. Hydraulic Testers

- Accurately measure oil flow, pressure and temperature on in-plant equipment, fork lifts, machine tools and more.
- Temperature and flow readings are in Imperial and Metric and accurate to within $\pm 2\%$ of full scale.

SYSTEM COMPONENTS

A. Gauges (Digital and Analog)

- (Analog) Gauges are calibrated and comply to ASME B40.1 GRADE B
- (Analog) High strength steel bourdon tube ensures high cycle life.
- (Digital) Agency Compliance / Approval: RoHS, CE, ASME B40.7, UL, cUL 61010-1.
- (Digital) Vibration & shock tested to MIL-STD-202G.
- (Digital) IP67 weatherproof rating.

B. Hoses

- Hoses are equipped with plastic hose guards (except for the 1/4" I.D. polyurethane hoses which have spring guards).
- Rubber, Polyurethane, & non-Conductive.

C. Hydraulic Fluids

- For dependable performance of all your hydraulic pumps and cylinders.

D. Lifting Manifold

- The presence of the gauges allows operators to work safely by keeping track of the hydraulic pressure within the system.
- The control modules are designed to be easily portable, making it suitable for various work environments.



SYSTEM COMPONENTS

E. Electric/Hydraulic Systems

• Countless applications are possible with Power Team hydraulic components. From pressing, lifting, and jacking applications to production or maintenance setups. The diagrams are typical electric/hydraulic units. Electric, air or gas-driven pumps are available.

System Components

- Cylinders
- Pumps
- Directional valves
- Gauges
- Hoses
- Manifolds
- Swivel Connectors
- Quick Coupling
- Shut-Off Valves
- Load-Lowering Valve
- T-Gauge Adapter
- Pipe Plug

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