

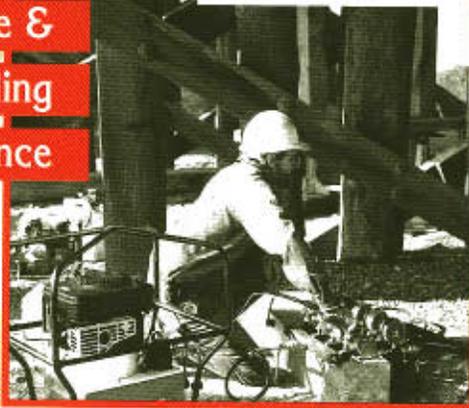
**SPX**

**POWER TEAM.**

RAILROAD  
MAINTENANCE  
TOOLS AND  
EQUIPMENT



Bridge &  
Building  
Maintenance



Rail Car  
Maintenance

## Portable Hydraulic Power for Heavy Duty Service



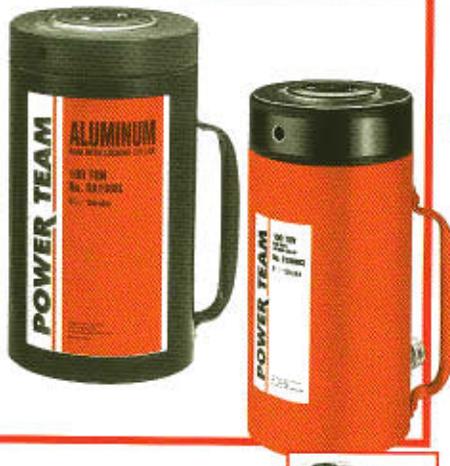
### Aluminum Cylinders

- Light weight - cylinders are half the weight of steel cylinders.
- 20, 30, 55 and 100 ton capacities with working pressure up to 10,000 P.S.I.(700 bar)

Order No.	Cap. (Tons)	Stroke (in.)	Stroke (mm)	Wt. (lbs.)	Wt. (kg)
RA202	20	2½	54	7.7	3.5
RA204	20	4½	104.8	9.3	4.2
RA206	20	6½	155.6	11.3	5.1
RA302	30	2½	54	11.1	5.0
RA304	30	4½	104.8	13.1	5.9
RA306	30	6½	155.6	15.1	6.8
RA552	55	2½	54	16.2	7.3
RA554	55	4½	104.8	21	8.9
RA556	55	6½	155.6	24	10.9
RA5510	55	10	254	31.8	14.4
RA1002	100	2½	54	33.4	15.1
RA1006	100	6½	158.8	49.9	22.6

Cylinder Base for use with RA556 & RA5510 Aluminum Cylinders.

No. 208406 :7" (177.8mm) Square, Wt.: 4 lbs.



### Locking Collar Cylinders

- 55 ton and 100 ton capacities at 10,000 P.S.I.(700 bar) pressure.
- Available in both aluminum and steel cylinders

The locking collar on the cylinder enables the cylinder to support the load indefinitely with hydraulic pressure released.



**Locking Collars**  
The locking collar feature permits the cylinder to support the load indefinitely with hydraulic pressure released.

### Aluminum Locking Collar Cylinders

Order No.	Cap. (Tons)	Stroke (in.)	Stroke (mm)	Wt. (lbs.)	Wt. (kg)
RA556L	55	6½	156	29.6	13.4
RA1006L	100	6½	159	64	29

### Steel Locking Collar Cylinders

Order No.	Cap. (Tons)	Stroke (in.)	Stroke (mm)	Wt. (lbs.)	Wt. (kg)
C556CL	55	6	152	60	27.2
C1006CL	100	6½	159	130	58.9
C1506CL	150	6	152	211	95.6

### Hydraulic Hand Pumps

Power Team has a variety of single or two-speed versions available for use with single or double acting cylinders. Most develop up to 10,000 P.S.I.(700 bar) and can operate horizontally or vertically with the pump in the down position. All pumps have an internal safety relief valve.



### "C" Series Cylinders

For reliable cylinders for every task the choice is Power Team's "C" series cylinders. With capacities from 5 to 100 tons and strokes from 1" to 16", (25.4 to 406.4mm) you'll find the one to suit your needs. An interchangeable cylinder cap lets you choose from four heads to fit your application. To make your "C" series cylinder even more versatile there is a wide range of accessories available.



### "Shorty" and Low Profile Cylinders

They may be short, but they're tough and powerful. Their height makes them ideal for "low clearance" jobs. Capacities from 5 to 150 tons in the low profile style and from 10 to 250 tons in the "shorty" cylinder models. All single-acting models have a heavy-duty return spring for fast cylinder return.





## Electric Hydraulic Pumps

With over 40 different stock models to choose from, and almost unlimited "special order" combinations available, it's no wonder these 10,000 P.S.I. pumps are the recognized leaders of quality and reliability. Depending on the model chosen, extras such as "posi-check" control valves, electrical shut-down feature, and 24-volt remote controls may be included at little or no extra charge.



## Air/Hydraulic Pumps

These single-speed air/hydraulic pumps are compact, lightweight, portable, and operate on shop air to drive single- or double-acting cylinders. All pumps come with internal relief valves to protect circuit components. An air inlet filter protects the motor.

These air/hydraulic pumps operate on 2.7-8.3 bar shop air and offer greater speed at lower cost. These pumps offer reservoirs from 1.5 liters usable oil up to the 9.5 liters reservoir for those multiple cylinder applications.



## Gasoline Engine Powered Pump

Control up to 4 rams with one pump. Reservoir capacity is 5 gallons - the pump produces flows of 2.1 liters at 10,000 P.S.I. Features include a Honda 5.5 h.p. engine, cart, roll cage, control valve, 4"(101.6mm) liquid-filled pressure gauge and manifold to control up to 4 rams.

### PG1200M-4 Two-Speed Pump

Gasoline engine powered pump, 10,000 P.S.I. capacity, with 3-way, 3-position "Posi-Check" valve and manifold to control 4 single-acting rams.

### PG1200M-4D Two-Speed Pump

Gasoline engine powered pump, 10,000 P.S.I. capacity, with 4-way, 3-position "Posi-Check" valve and manifold to control 4 single or double-acting rams.



## Hydraulic Spreaders

Two models available - both can be dead-ended at 10,000 P.S.I. (700 bar) capacity. Spring return retracts jaws automatically. Conforms to ANSI B30.1.

No. HS2000 - 1 ton capacity hydraulic spreader. 4"(101.6mm) max. spread.

No. HS3000 - 1½ ton capacity hydraulic spreader. 11½"(292.1mm) max. spread.

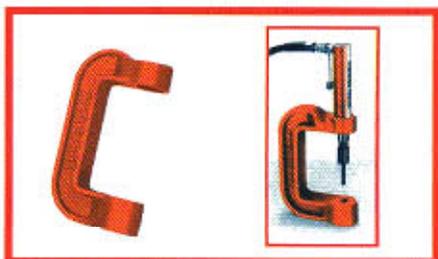


## Hydraulic Nut Splitters

Now you can simply "dial-in" the size of the nut you want to split, without the worry of damaging the bolt. Just align the mark on the cutter blade with the scale on the frame of the splitter. The specially designed "tool" steel cutter blade penetrates the nut to the precise point where it cracks.

No. HNS150 - 15 ton hydraulic nut splitter. Comes with a No. 9796 half coupler. Wt., 8.1 lbs.

No. HNS225 - 360° swivel body, 25 ton capacity nut splitter with blade. Comes with a C252C hydraulic cylinder. For use on 1.13" to 2.25" hex nuts. Length: 14.50". Wt., 29 lbs.



## Hydraulic "C" Clamps

Available in 5, 10 & 25 ton capacities. Designed for use with Power Team's "C" series rams, it's a versatile tool, ideal for many applications.

No. CC5-"C" Clamp, 5 ton capacity, less ram. Max. throat opening: 7¾"(185.7mm).

No. CC10-"C" Clamp, 10 ton capacity, less ram. Max. throat opening: 9⅞"(249.2mm).

No. CC25-"C" Clamp, 25 ton capacity, less ram. Max. throat opening: 13"(330.2mm).



## Hydraulic Maintenance Sets

A complete set of pump, cylinders and accessories that assemble quickly at the job site.

Each hydraulic maintenance set is a completely portable matched hydraulic system contained in a rugged carrying case. These sets are ideally suited for pushing, pulling, lifting, pressing, straightening, spreading, or

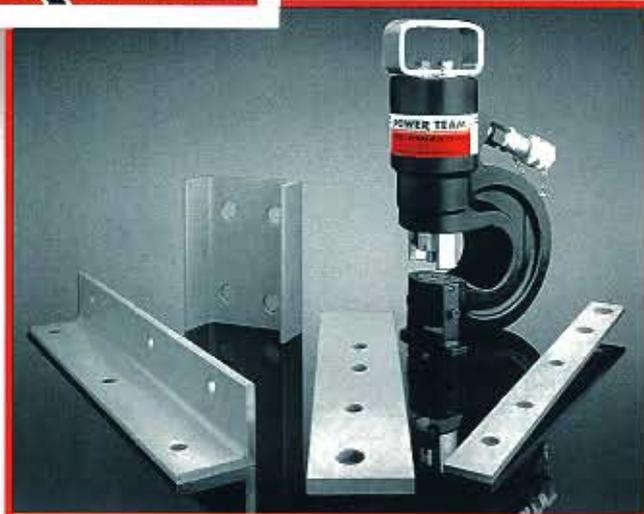
clamping at remote job sites. Cylinders included in set are 10-ton capacity at 10,000 P.S.I. maximum. All components are designed for use at the rated capacity of the cylinders.



## Hydra Grip-O-Matic®

A self contained pulling system in a compact package! You get a 2/3way combination puller, hydraulic cylinder and built-in hand pump in one integral, lightweight unit with its own carrying case.

- Bright chrome finish Resists corrosion.
- Integral safety relief valve Prevents overloading puller.
- Heat treated forged alloy steel head Provides much more strength and durability than a casting.
- 2/3-way combination puller head Provides the stability of a 3-jaw puller plus the 2-jaw option when space is limited. Three jaws give a more secure grip and more even pulling force. It's like getting two pullers for the price of one!



## 35 Ton Hydraulic Punch

The HP35 is completely portable, making it perfect for most construction, maintenance, or service applications, or it can be mounted to a workbench for production jobs.

- Rated at 35 tons, it can handle mild steel up to one half inch (12.7mm) thick.
- Ideally suited for use with Power Team PE172 pump.
- C-frame is forged steel, not cast, for greater strength and durability.
- Punches a smooth, precise hole in just seconds - much faster and easier than drilling.
- Carrying handle for precise locating.
- Dual action spring loaded stripper holds material during punching operation and strips material from punch on return.
- Scribe lines on stripper aid in locating the punch.
- Four standard punches and dies available as a kit or separately, to punch round holes.
- All punch sets include metal carrying case and die change tools.

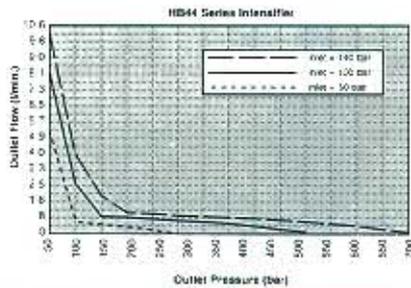
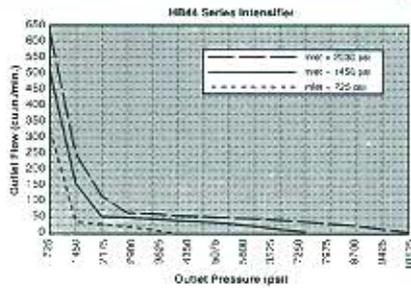
## 20 Ton Hydraulic Punch

Features:

- Light-weight punch that's double acting.
- Punch mounted valve for ease of use.
- Punches aluminum, brass, and stainless steel.
- Suitable for punching up to 1/2" dia. (13.5mm) in 1/2" (12.7mm) thick mild steel or 3/8" (20.6mm) dia. in 3/8" (7.9mm) thick mild steel.
- Wider range of die styles.
- Fully complies with ANSI B30.1 standards.
- Designed for use with Power Team Quarter Horse hydraulic pump PE102AR.
- Punch can be bench mounted using notches in punch frame.
- For increased punching speed, power your HP20 or HP20S with a PE172A or PE172A-50-220 pump.



# SPX POWER TEAM®



3/8" NPTF  
low pressure  
ports

3/8" NPTF  
high pressure  
ports



HB44 Series

## Hydraulic Intensifier

Turns low-pressure portable hydraulic pumps or on-board hydraulic systems into high-pressure power sources. Pressure ratio of 5:1

Operates either single-acting or double-acting cylinders and tools such as crimpers, spreaders, cutters, etc.

May be used to operate two separate, single-acting tools (with integral valves) independently. No need for additional manifold.

Compact, rugged and portable for use inside a utility vehicle aerial bucket or stowing in a vehicle.

Various standard Power Team valve options available. (Unit comes complete with valve.)

No oil reservoir to tend – unit uses oil from low pressure pump source.

### Applications

By boosting low-pressure oil (2,000 psi/140 bar) to high pressure (10,000 psi/700 bar), the Power Team Hydraulic

Intensifier powers cylinders, jacks, crimpers, cable cutters, nut splitters, tire tools and similar hydraulic actuated devices.

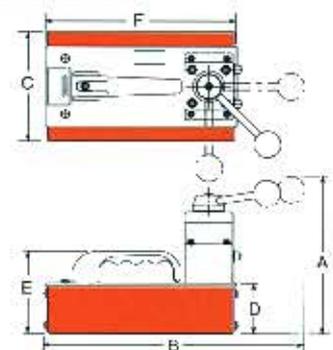
## ORDERING INFORMATION AND SPECIFICATIONS

For Use With:	Order No.	Valve Type/No.	Input Flow Range†	Operating Pressure	Max. Output Pressure	Output Flow Range	Weight
Single or Double-Acting Cylinders	HB444	4-way/3-position	0 - 5 gpm	300 - 2,000 psi	10,000 psi	0 - 2.5 gpm	16 lb.
		9506	0 - 16 l/min	21 - 140 bar	700 bar	0 - 9.5 l/min	7.3 kg.
Single-Acting Cylinders	HB443	3-way/3-position	0 - 5 gpm	300 - 2,000 psi	10,000 psi	0 - 2.5 gpm	16 lb.
		9520	0 - 16 l/min	21 - 140 bar	700 bar	0 - 9.5 l/min	7.3 kg.

† For maximum efficiency, recommended input flow is 2.4 gpm (9.5 l/min) at a maximum pressure of 2000 psi (140 bar). Higher flows and/or pressures must be compensated for at the system pump (e.g., relief valve, variable flow devices, etc.).

## DIMENSIONS

Order No.	Greatest Height	Greatest Length		D	E	F
	A	B	C			
HB44 Series	8 3/8 in. 22 cm	14 1/2 in. 37 cm	6 1/8 in. 15.7 cm	2 3/4 in. 7 cm	4 1/2 in. 11.6 cm	10 1/2 in. 27.1 cm



**Wheel Shop Maintenance Equipment**



- Quickly remove or install tapered roller bearings.
- Designed with cooperation of major bearing manufacturers.
- It's a fast, simple, one-man operation with 100-tons of pulling force provided.

## Universal Railroad Axle Journal Roller Bearing Puller/Installer



Completely portable for easy, convenient positioning and out-of-the-way storage.

For years the standard in most wheel shops. Power Team now has four models for greater flexibility. With sling and jack models available and two pumps to choose from, you can tailor the unit to match your needs. With the proper equipment and know-how, removal and installation of axle journal roller bearings takes an absolute minimum of time and effort. Each unit will service a full line of bearings with rotating end caps, from Class B thru GG. No other method can match Power Team's simplicity: Remove the end caps, slip the pulling shoe between the bearing and wheel, actuate the pump, and in seconds, 100 tons of pulling force removes the bearing; and installing new ones is just as easy. Each unit comes complete with a heavy-duty 100-ton hydraulic cylinder, 10,000 P.S.I. (700 bar) pump with remote control solenoid valve, a pulling shoe, and installing tube.

### Ordering Information

		LR19814				
Model Type	Cylinder Type	Pump Information*			Valve Type	Order No.
		H.P.	Phase	Voltage		
Jack	Double-Acting	2*	1	115 or 230**	Solenoid	PR2100J
		3	3	230 or 460**	Solenoid	PR3100J
Sling	Double-Acting	2†	1	115 or 230**	Solenoid	PR2100S
		3	3	230 or 460**	Solenoid	PR3100S

\* Equipped with hydraulic pressure gauge No. 11543.  
 † The 2 H.P. 115 volt requires 30 amp service

\*\* Prewired at factory for this voltage. Other voltages available on request.



The photo above shows the Universal Puller in position on the roller bearing assembly ready for removal.



Jack Models  
PR2100J  
PR3100



Sling Models  
PR2100S  
PR3100S

## DIMENSIONS AND SPECIFICATIONS

Puller No.*	Cylinder Type	Stroke	Cap. (Tons)		Speed (in./min.)			A	B	C	D	E	Floor Space	Wt. (lbs.)
			Pull	Inst.	Avance	Pull	Inst.							
PR2100J	Double-Acting	15 1/2"	100	68	35.4	3.2	4.45	32"	1 1/2"	39 1/2"	72"	103 1/2"	85" x 32"	1,010
PR2100S	Double-Acting	15 1/2"	100	68	35.4	3.2	4.45	24 1/2"	1 1/2"	24 1/2"	—	—	64 1/2" x 24 1/2"	850
PR3100J	Double-Acting	15 1/2"	100	68	35.4	6.4	8.9	32"	1 1/2"	39 1/2"	72"	103 1/2"	85" x 32"	1,005
PR3100S	Double-Acting	15 1/2"	100	68	35.4	6.4	8.9	24 1/2"	1 1/2"	24 1/2"	—	—	64 1/2" x 24 1/2"	845

\*Equipped with hydraulic pressure gauge No. 11543

## TOOLING ORDER INFORMATION

IMPORTANT...This tooling chart applies only to standard AAR configurations for freight car applications. In order to provide adapters needed to service housing-type locomotive and passenger car bearings as well as metric bearings, Power Team must be provided with the following information: bearing manufacturer's name and general arrangement drawing number; size of bearing to be serviced; railroad name and location; part numbers of adapters already in your possession if you currently own a Puller-Installer.

### CLASS AND SIZE OF BEARING ASSEMBLY TBV & SP "METRIC TOOLING"

TOOL DESCRIPTION	120	130	140	150
Pulling Shoe Insert Adapter	No. 351830	No. 30512	No. 30521	No. 251831
Guide Tube & Cap Screw Assembly	No. 253341	No. 253342	No. 253343	No. 253344
Cap Screw**	No. 253339	No. 253394	No. 253339	No. 253395
Installing Tube Adapter Ring	No. 253335	No. 253338	No. 253337	No. 253338
Guide Tube Adapter	No. 21247			

### CLASS AND SIZE OF BEARING ASSEMBLY TO BE SERVICED

TOOL DESCRIPTION	Class B 4 1/4" x 8"	Class C 5" x 9"	Class D 5 1/2" x 10"	Class E 6" x 11"	Class EE 5 1/2" Axle	Class EE 6" Axle	Class F 6 1/2" x 12"	Class G 7" x 12"	Class G 6 1/2" Axle	Class GG 6 1/2" Axle	
Pulling Shoe	No. 420845 Included as Part of Basic Machine - DO NOT ORDER							No. 420846			
Pulling Shoe Insert Adapter	No. 30522	No. 30512	No. 30521	No. 30520		No. 30519		Use Pulling Shoe No. 420846			
Guide Tube & Cap Screw Assembly	No. 253313	No. 253314	No. 253317	No. 253318	No. 253316	No. 253327	No. 253320	No. 253321	No. 253319	No. 253323	
Cap Screw**	No. 253156	No. 253349	No. 253308	No. 253155	No. 253307	No. 253308	No. 253310	No. 253326	No. 253309		
Guide Tube Adapter	No. 23934	No. 21248		No. 21247							
Installing Tube	No. 30416 Included as Part of Basic Machine - DO NOT ORDER							No. 30417			
Installing Tube Adapter Ring	No. 21242	No. 21258	No. 21256-1	No. 21255-1		No. 21257-1		No. 30586	No. 30585		

Note: Adapters listed above are for servicing the following roller bearing assemblies: Benco "Crown-Taper", New Departure-Hyatt "Hy-Roll Taper", SKF "Expediter" and Timken "AP."

\*\* Screws are supplied with the guide tube and should be ordered as replacements only!



## High Tonnage Portable Jacks Railroad Edition

Portable and compact; ideal for railcar and other heavy equipment maintenance.

Available in both electric and air powered version.

A single jack has a lifting range from a minimum of 24" to a maximum of 70".

Includes all cribbing blocks and extensions.

### ORDER INFORMATION

Tons Cat.	Stroke in (cm)	Order No.	Retracted Height in (cm)	Extended Ht. w/Extensions in (cm)	Product Wt. Less Cribbing & Ext. (kg)
60	14 (36)	*PLE6014K	24 (61)	70 (177.8)	522 (237)
		*PLA6014K			
		*PLE6014K-220			

\*Includes cribbing block set stored on jack handle rack, and 7 extensions (1, 2, 3, 4, 5, 10, 20 inch)  
 PLE6014 = Jack, Electric, includes: Cart, Pump & Cylinder  
 PLE6014-220 = Jack, Electric (220 V.)  
 PLA6014 = Jack, Air, includes: Cart, Pump & Cylinder  
 CBS60 = Cribbing Block Set (5 cribbing blocks)  
 PL60EXT = Extension Set (Consists of 7 extensions)

### EXTENSIONS (PL60 EXT) (Included)

Extension Length in (cm)	Part Number	Extension Weight lbs. (kg)
1 (2.54)	351931	4.9 (2.2)
2 (5.08)	351927	8.9 (4.0)
3 (7.62)	351928	14.1 (6.4)
4 (10.15)	351929	19.1 (8.7)
5 (12.7)	66053	20.9 (9.5)
10 (25.4)	66054	30.4 (13.8)
20 (50.8)	66055	48.6 (22)

**LIFTING RANGE**  
 Lifting range (in 1.00" increments): 24.00" - 70".  
 Only 3 extensions are needed to provide this range.  
 Do NOT exceed 70" lifting range.

### POWER UNIT SPECIFICATIONS

Order No.	Motor	Power Req.	Motor Control	Valve Function	Power cord	dBa @ 10ks (700 bar)
PLE6014	1-1/8 HP 110/115 VAC*** 50/60 HZ Single Phase	25 amps	20' (6.1 m) Remote Control	Lift Hold Lower Manual	Pigtail	80/95
PLA6014	Rotary Air Powered	50 CFM @ 80 PSI (24 per sec @ 6 bar)	20' (6.1 m) Remote Air Control	Lift Hold Lower Manual	NA	85/90

\*\*\* For 220V order PLE6014-220

- Load Lowering Valve  
— Lowers load smoothly and safely. Eliminates dangerous chatter and bounce
- Full range of rod extensions  
— Jack comes fully equipped with extensions to match lifting pad heights on most rolling stock  
— Max. lifting height to 70"
- Low collapsed height, long stroke  
— 24" (61 cm) collapsed height for low-clearance lift pads  
— 14" (36 cm) stroke for maximum lift
- Adjustable, ergonomic handle  
— Handle tilts to start the job and is easily locked/unlocked without moving from operating position.

### CRIBBING BLOCKS (CBS60) (Included)

Qty.	Height	Part Number
1	1.5" (3.8)	351954
4	3" (7.6)	351953

- NEMA 4 electrical box and rain hood  
— Pump motor and controls protected from water  
— Quiet operation
- Cribbing block set with handles and convenient storage rack  
— Provides solid mechanical load holding
- High-profile, low rolling resistance, foam filled tires  
— Jack can be moved and positioned with minimal effort  
— No chance of downtime due to punctured tires.
- Electric and Air Motor options  
— Quiet, powerful air and electric motor powered units available.

# SPX POWER TEAM®



Large, urethane filled tires provide ease of maneuverability; small "footprint" enables jack to fit into tight quarters to reach desired lifting position. Adjustable handle provides maximum operator control in positioning, can also be used to transport jack to job site with a forklift.

## High Tonnage Portable Jacks - Mining/Railroad Edition

### HIGH TONNAGE PORTABLE JACKS

Select a jack module and pump and specify by order number as shown in "Order Number" chart. Complete jack assemblies can also be purchased by ordering a jack module and pump and cart module separately.

Pump and Cart Module		See Chart B Below		Valve Type
Air/Hydraulic		Pump	Electric Pump	
Manual	Air Pilot	Manual	Solenoid	Power Requirements
50CFM @ 80 psi		115 V. 50/60Hz.		
PMA55	PMA55S	PME55	PME55S	Pump and Cart #

### JACK MODULE EXTENSIONS

Capacity (tons)	Order No.	Extension Height
55	421365	8.81
100	421366	9.00
150	421367	8.63

Capacity (tons)	Stroke (in.)	Ret. Ht. (in.)	Jack Module	ORDER NUMBER			
				JAM	JAR	JEM	JER
55	13.13	26.00	JM25	JAM5526	JAR5526	JEM5526	JER5526
		33.00	JM35	JAM5533	JAR5533	JEM5533	JER5533
		45.00	JM45	JAM5545	JAR5545	JEM5545	JER5545
100	13.13	26.00	JM210	JAM10026	JAR10026	JEM10026	JER10026
		33.00	JM310	JAM10033	JAR10033	JEM10033	JER10033
		45.00	JM410	JAM10045	JAR10045	JEM10045	JER10045
150	18.13	26.00	JM215	JAM15026	JAR15026	JEM15026	JER15026
		33.00	JM315	JAM15033	JAR15033	JEM15033	JER15033
		45.00	JM415	JAM15045	JAR15045	JEM15045	JER15045

### JACK MODULES Chart A

Capacity (tons)	Stroke (in.)	Order No.	*Retracted Ht. (in.)	*Extended Ht. (in.)	Prod. Wt. (lbs.)
55	13.13	JM25	26.00	39.13	197.0
		JM35	33.00	46.13	224.0
		JM45	45.00	58.13	252.0
100	13.13	JM210	26.00	39.13	291.0
		JM310	33.00	46.13	346.0
		JM410	45.00	58.13	406.0
150	18.13	JM215	26.00	39.13	384.0
		JM315	33.00	51.13	466.0
		JM415	45.00	63.13	554.0

### PUMP & CART MODULES Chart B

Pump and cart modules contain hydraulic pump, cart, remote control and all hoses and fittings required to connect to a jack module. Jack

modules easily separate from the pump and cart module. Extra jack modules may be purchased for a wide variety of lifting applications.

Pump Type	Order No.	Valve		Power Required	Remote Control	Prod. Wt. (lbs.)
		Type	No.			
Air PA55 Series	PMA55	manual	9500	50 cfm @ 80 psi	motor	180
	PMA55S	air pilot	9594		motor & valve	185
Electric PE55 Series	PME55	manual	9500	1 1/2 hp 115V, 50/60 Hz 25 amps	motor	195
	PME55S	solenoid	9592		motor & valve	200

## Powerful Power Team Presses



### Hydraulic Presses

- 2 to 1 safety factor on hydraulic cylinders and they meet ANSIB30.1 standards.
- Full rated capacity across width of upper frame, even with workhead moved to one side (Heavy-duty presses only).
- Larger work area than most competitor's models.
- Alignment lever for simple pin replacement after raising or lowering the bed.
- Close manufacturing tolerance allows even load distribution over four alloy steel pins; not two, like some competitors (Heavy-duty presses only).
- Open Throat® Feature on 25 ton press provides additional work area by mounting cylinder on outside for C-frame advantage.

- Frames can be used horizontally for pressing jobs on extra-long shafts.
- Electric, air or hand pumps are available. All are standard Power Team pumps. Many pump options can be substitutes for cataloged options. **CSA approved electric pumps are standard on all presses.**
- One-man operations for bed adjustment. Winch unit quickly raises or lowers bed to desired height. Self-locking winch mechanism prevents bed from dropping when handle is released.
- 3/8" I.D. hose on spring return cylinders on heavy-duty presses provides up to six times faster cylinder return than standard 1/4" I.D. hose.
- Fast cylinder approach to work provided 2-speed hand, air or electric pumps.



### Heavy Duty "Open Throat" Presses

Cap. (tons)	Type Ram Used	Stroke	Type Pump	Wt. (lbs.)	Wt. (kg.)	Manf. No.
25	Single-Acting	14" (362mm)	Air	683	309	SPA2514
			Hand	693	314	SPM2514
			Elec.	665	301	SPE2514
			Elec.	759	344	SPE2514S
	Double-Acting	Elec.	787	357	SPE2514DS	

### Heavy Duty "H" Frame Presses

55	Single-Acting	13 1/2" (337mm)	Hand	960	435	SPM5513		
			Elec.	980	444	SPE5513		
			Elec.	1,056	478	SPE5513S		
100	Double-Acting	13 1/2" (333mm)	Elec.	1,114	505	SPE5513DS		
			Single-Acting	10" (254mm)	Hand	1,698	769	SPM10010
					Elec.	1,795	813	SPE10010
150	Double-Acting	13 1/2" (333mm)	Elec.	1,690	766	SPE10010R		
			Elec.	1,886	854	SPE10013DS		
			Elec.	3,015	1366	SPE15013DS		
200			Elec.	3,276	1484	SPE20013DS		

### Roll Bed Presses

80	Double-Acting	13" (333mm)	Elec.	2,886	1307	RB8013S
100			Elec.	2,994	1334	RB10013S
150			Elec.	4,458	2019	RB15013S
200			Elec.	4,546	2059	RB20013S

### Bench Mount Presses

10	Single-Acting	10 1/2" (257mm)	Hand	91	41	SPM1010
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### "C" Frame Presses

25	Single-Acting	6 1/2" (159mm)	Hand	240	109	SPM256C
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### "H" Frame "Economy" Presses

10	Single-Acting	10 1/2" (257mm)	Hand	171	77.5	SPH1010		
			Elec.	200	79	SPE1010		
25	Double-Acting	10" (254mm)	Elec.	217	87	SPE1010D		
			Single-Acting	6" (152mm)	Air	435	197	SPA256
					Hand	452	205	SPM256
55	Double-Acting	13 1/2" (333mm)	Elec.	464	210	SPE256		
			Single-Acting	6" (152mm)	Air	702	318	SPA556
					Hand	712	323	SPM556
			Elec.	734	333	SPE556		



## Power Team Hydraulic Bottle Jacks

Ruggedly built, self-contained jacks offer portable hydraulic power in a lightweight, reliable unit. Comply with ASME B30.1 standard.

- Many models feature screw extensions. Serrated caps help stabilize the load for a safer lift.
- Oil leakage is greatly reduced by welding the jack's pressure cylinder, oil reservoir, pump housing and base into one integrated unit.
- Fewer working parts, internally machined oil passages and close tolerances set these apart from ordinary bottle jacks.
- Base is hot forged steel, not cast iron! Greater strength!
- May be used in vertical, angled and horizontal positions.
- Oil bypass system limits stroke of jack by routing oil back to reservoir. Other jacks require the high pressure seals on the piston to cross over a bleed hole. Result? Shorter seal life.
- The 9015B, 9022B, 9033B and 9110B jacks have a unique beveled base which allows jack to "follow" the load laterally as it is raised, greatly reducing side-loading of the piston.
- "Low profile" models are perfect for "close quarters" lifting. Pump handle operates parallel to the base of the jack; ideal for horizontal applications.

## Hydraulic Mini Jacks

Here's 5 tons of power in the palm of your hand! Use it vertically or horizontally as a jack or spreader to apply force with just over 2.50" of clearance needed. This little task tamer weighs only 4.2 lbs.



- Use it to turn your mechanical gear puller of five tons or larger into an hydraulic puller.
- Handle operation is especially convenient for horizontal positioning, though you can use the jack at any angle.
- Complies with ASME B30.1 standard.

## Hydraulic Telescoping Jacks

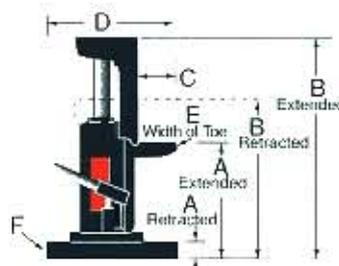
The quality and reliability of our standard bottle jacks, but with a super long stroke. Eliminates the need to lift-crib-lift, etc. This saves job time and effort. Usually, you only have to place the jack once to complete the lift.

- The 9015X offers very low clearance capability, making it the ideal choice for forklift maintenance or machine lifting.
- The 9006X, 9011X and 9013X all feature a unique beveled base which allows the jack to "follow" the load laterally as it is raised, greatly reducing side loading of the piston.
- Jacks comply with the ASME B30.1 standard.

## Economy Hydraulic Toe Jacks

Provide many of the features of our standard toe jacks. Meet ASME B30.1 standard.

- An internal pressure relief adds safety by limiting the jack's lifting capability to the capacity of the toe.
- Spring return is featured on the larger jacks.
- The 5 and 10 ton models have a swiveling pump handle assembly which allows you to access and pump the unit from numerous positions.



## Inflatable Jacks



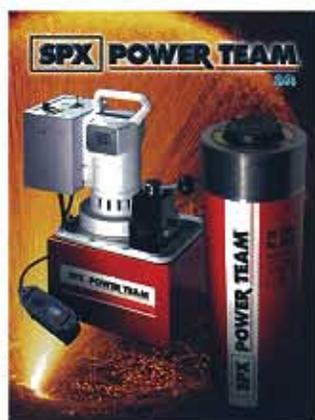
### ORDERING INFORMATION

See current price list for shipping weights

Lifting Cap. (tons)	Lifting Height (in.)	Order No.	Air Contents at 116 psi (cu. ft.)	Max. Working Pressure (psi)	Length (in.)	Width (in.)	Collapsed Height (in.)	Product Weight (lbs.)
1.1	2.70	IJ 13	.08	116	5.50	5.10	1.00	1.0
3.6	4.70	IJ 45	.50		10.00	7.90		3.0
7	6.30	IJ 76	1.48		12.00	12.00		4.0
12	8.80	IJ 128	3.40		15.70	15.70		8.0
23.8	12.00	IJ 2211	9.50		21.70	21.70		16.0
34	14.00	IJ 3213	16.40		25.60	25.60		22.0
46.3	16.40	IJ 4416	25.70		29.50	29.50	29.0	
74.6	20.50	IJ 7320	51.40		37.40	37.40	1.20	58.0

Space age reinforced aramid construction. Operating at 116 P.S.I. (8 bar) air pressure, 1 to 75 tons of lifting capacity is provided, all with a collapsed height of under 1" (25.4mm)!

Tough enough to lift a bridge or machine, thin enough to lift in tight places where other jacks just can't be used.



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