

## **Jacks**



**TOE JACKS**



**BOTTLE JACKS**



**INFLATABLE JACKS**



**POWER LIFT**



**TRACK JACKS**

The Power Lift is ideal for a wide variety of lifting applications. It is portable and compact, making it the perfect match for railcar maintenance. With lifting capacities ranging from 55 to 150 tons, the Power Lift is clearly the tool of choice for lifting a wide range including even the very largest off-road equipment in construction and mining maintenance applications.

### Features:

- Double-acting system
- Jack module is easily removed from the pump module
- Additional jack modules can be purchased for different applications
- Air and electric pump options are available with either manual or remote controlled valves.
- Large, urethane-filled tires
- Unit has a small footprint
- Rugged steel base
- Rugged Vanguard pumps and RD Series cylinders
- Built in swivel cap
- Jack extensions and cribbing blocks available

### Benefits:

- Gives user controlled load lowering
- This makes servicing easy and inexpensive
- Makes unit versatile and inexpensive
- Allows the operator to safely control both raising and lowering without having to stand near the jack.
- Eliminates flat tire troubles
- Fits in very tight quarters
- Durable and long lasting compared to competitive cast units
- Makes this the most reliable jack on the market
- Helps prevent off-center loading
- Add versatility and secure a method of mechanically preventing the load from lowering



Bottle jacks are offered in 11 different models with lifting capacities from 2 to 50 ton.

### Features:

- The pressure cylinder, oil reservoir, pump housing and base are welded together into one part.
- Fewer working parts, internally machined oil passages, smooth bearing surfaces and close tolerances
- Base is hot forged steel rather than cast iron
- May be used in the vertical, angle, and horizontal positions

### Benefits:

- Oil leakage is greatly reduced
- Reliable for higher cycle life
- Providing more strength
- Application versatility



Lift it hydraulically with these rugged, sturdy jacks. Our toe lift jacks need only one inch clearance to get under the load and the two models - 5.5 and 11 tons - can handle a variety of lifting needs.



### Features:

- Can get under equipment and materials sitting just 1" (25.4 mm) off the ground
- A pressure relief valve
- Release valve allows control of lowering speed
- May be used in the vertical, angle, and horizontal positions and has a 360° rotation capability

### Benefits:

- Versatile for low clearance jobs
- Prevents overloading
- Sure load control
- Application versatility

This remote powered jack is designed for use with manual or powered pumps or the Power Team hydraulic intensifier. A real time/work saver when 2, 4, 6 or even more are powered by a single pump and manifold setup.

### Features:

- 11 ton lifting capacity on both the toe and head of the jack
- Exclusive twin upright beam design
- Long-Life bronze bearing strips
- Rugged, lightweight alloy construction
- Quick release, spring return system
- Large toe surface
- Ergonomic carrying handle

### Benefits:

- Use for track lifting and alignment
- Keeps dangerous side loading off of the cylinder
- Easily changed without touching cylinder
- Reduces operator fatigue and chance of injury
- Provides almost instantaneous return of jack
- Ensures sure grip on rail for secure lift
- Designed for comfortable one-or two-person carry



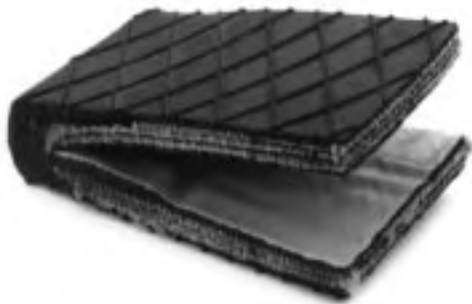
Creativity is the key to using these unique jacks. They're tough enough to lift a truck, and thin enough to work into tight places to use as an "inflatable wedge". Inflate with compressed air, bottled gas, or even water, up to a maximum pressure 116 PSI (8.1 bar). Choose from five lifting capacities: 12, 22, 32, 44 and 73 tons and a complete line of controls and air hoses.

### Features:

- Generation III inflatable jacks feature a minimum of four plies of polyester fabric reinforcement material molded with neoprene rubber and a unique stainless steel air inlet fitting
- Low collapsed height
- Non-conductible materials used in jack construction
- Tolerant of side loaded applications
- Corrosion and heat resistance
- Safety relief valve standard on all Power Team inflatable jack controllers shut off hoses
- May be used to lift from a compressible surface

### Benefits:

- Unsurpassed reliability and safety tests show that Generation III Inflatable Jacks outperform our previous steel and Kevlar reinforced inflatable jacks by a wide margin
- Test have demonstrated typical cycle life with load following to max stroke of 15,000 cycles and over 250,000 inflations to 2"(51mm) height. All cycle tests run at 116 PSI (8.1 bar). Typical burst pressures 370 to 450 PSI (26 to 32 bar)
- At less than 1"(25mm) thickness these jacks can be used where other lifting devices will not fit.
- Safe for use in applications where there is a risk of electrical shock
- Can be used to lift a load from an uneven surface
- Generation III Inflatable Jacks can be used in and around any chemical compatible with neoprene and SBR rubber and in environments where temperatures may reach as high as 180 degree F
- All Power Team controllers and shut off hoses limits max pressure
- Because of the relatively large surface area and material flexibility, inflatable jacks can be used to lift loads from soft or compressible surfaces without the need for cribbing



**Tools**

**FLANGE SPREADERS**



**SPREADERS**

**PUNCHES**



**NUT SPLITTERS**

## Hydraulic Spreaders

## Tools

Two models, HS2000, 2000lbs.(900kg) lifting capacity with a 4”(102mm) spread, HS3000, 3000lbs.(1,360 kg) lifting capacity with a 11 1/2”(292mm) spread. Both spreaders fully comply with the ANSI B30.1 standard and can be used at their full rated capacity anywhere within their stroke range.

**HS2000**



**HS3000**

### Features:

- HS2000 spreader is manufactured from heat treated steel forgings. HS3000 is manufactured from high grade and tempered ductile castings
- Both spreaders can be dead ended at full rated pressure and will develop their full rated lifting capacity anywhere within their stroke range
- Both spreaders are designed with a flat jacking surface on the bottom of the spreader
- Jaws are spring-return
- Carrying handle (only on the HS3000)

### Benefits:

- Test results show that competitive units are manufactured from lower grade iron castings resulting in low cycle life failures, sometimes at less than the rated load carrying capacity. In tests both Power Team spreaders have demonstrated a minimum of 25,000 full pressure cycle at full rated capacity and stroke, a feat no other spreader tested could match
- Some manufacturers specifically caution the user not to dead end their spreader at capacity and many will not produce their full rated lifting capacity at various points throughout their stroke
- Improved jacking stability and to reduce the risk of the spreader coming out from beneath a lifted load
- Jaws retract automatically when pressure is released
- For precise locating and portability

## Nut Splitters

## Tools

Strong enough to crack the toughest grade 2H (metric Grade 12) nuts! Two models: 15 and 25 ton - use hydraulic force to split fused or rusted on nuts. The 15 ton cap. HNS150 unit can handle nuts from 1/2" to 1-1/2" hex. size. The big 25 ton HNS225 easily splits nuts from 1-1/8" to 2-1/4" hex. size.



### Features:

- Improved cutter blade with up to 800% greater resistance to chipping and breaking when compared to competitive nut splitter blades.
- New design allows you to rotate the blade 180 degree within the frame.
- HNS150 features a vernier-scale to select precise cutter blade penetration.
- A rugged one-piece cutting frame coupled to a heavy-duty swiveling hydraulic ram.

### Benefits:

- Lower operating cost
- Allows use of both sides of a cutter blade for increased blade life.
- Cutter blade penetration limited to protect threads on expensive fasteners from damage when nuts are split. (HNS150)
- Frame easily positioned over nut regardless of the position of the nut

## Hydraulic Punches

## Tools

Drills just can't keep up with our 35 ton hydraulic punch. The fastest, easiest way to make round, square or oval holes in a variety of metals up to 1/2" (12.7mm) thick. It's completely portable or mount it for production applications. Use with your 10,000 PSI (700 bar) Power Team pump.



### Features:

- Rated at 35 tons
- C-frame is forged, not cast
- Punches a smooth, precise hole in just seconds
- Carrying handle
- Dual action stripper
  
- Scribe lines on stripper
- Compliance with ANSI B30.1 standard

### Benefits:

- It can handle mild steel up to half inch thick (12.7 mm)
- Greater strength and durability
- Much faster and easier than drilling
- For precise locating and portability
- Holds material during punching operation and strips material from punch on return
- Aid in locating the punch
- Operator safety

Drills just can't keep up with our 25 ton hydraulic punch. The fastest, easiest way to make round, square or oval holes in a variety of metals up to 1/2" (12.7mm) thick. It's completely portable or mount it for production applications. Use with your 10,000 PSI (700 bar) Power Team pump.



### Features:

- Rated at 20 tons
- C-frame is forged, not cast
- Punches a smooth, precise hole in just seconds
- Carrying handle
- Infinitely adjustable stripper
- Double-acting
- Punch mounted 4-way valve
- Hand or foot control options available
- Compliance with ANSI B30.1 standard
- Available as a set

### Benefits:

- It can handle mild steel, aluminum, and copper up to half inch thick (12.7 mm)
- Greater strength and durability
- Much faster and easier than drilling
- For precise locating and portability
- Strips material from punch on return
- Ideal for punching non-ferrous material where sticking is a recognized problem
- Use of low cost electric/hydraulic pump allows rapid cycle times
- Added versatility
- Operator safety
- Economical & convenient to use

## Flange Spreader

## Tools

You won't need that outdated "hammer and wedge" method of spreading pipe flanges if you have one of these hydraulic flange spreaders. Compact and portable, yet they generate tremendous spreading force. Two models, 5 and 10 ton cylinder/ram capacity. Use them in pairs for even spreading force.

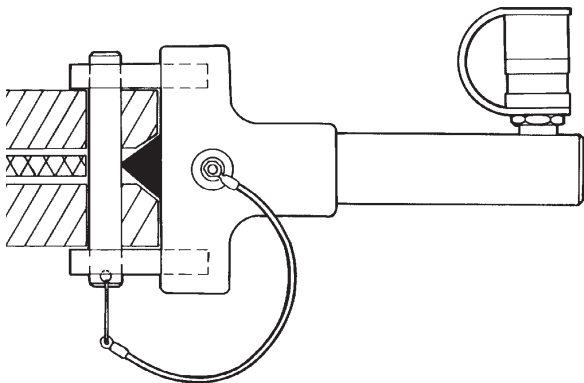


### Features:

- Furnished with a standard 60° wedge (an optional 30 degree "thin" and/or 60 degree "blunt" wedge is available as an accessory)
- Standard Power Team cylinders/rams

### Benefits:

- Flange Spreaders will do the job in a fraction of the time and with a lot less effort.
- All the benefits of the C-Series cylinders/rams



**Equipment**

**SHOP  
PRESSES**



**FLOOR  
CRANES**



From our economical 10 ton bench press all the way up to our big 200 ton Roll-Bed floor press, there's a size just right for most applications. Available with electric, air or hand hydraulic pumps. Many pump options can be substituted for cataloged options.

All presses feature close tolerance design and construction.

### C-Frame Presses

#### Features:

- Compact design
- Adjustable ram head
- Pedestal available

#### Benefits:

- Saves valuable shop space
- Versatility and ease of use
- Added versatility

### H-Frame Presses

#### Features:

- Full rated capacity across width of frame
- Frames can be used horizontally
- Close manufacturing tolerance
- Open throat (25 ton Heavy Duty)
- Self locking winch mechanism
- Rugged uprights
- Four post design

#### Benefits:

- Added versatility
- For pressing jobs on extra-long shafts
- Higher quality than competitors
- Provides additional work area
- Prevents bed from dropping when handle is released
- 50 percent stronger than channel iron
- Easy loading of long material thru posts

### Roll Bed® Presses

#### Features:

- Beds roll out
- Adjustable bed width
- Screw mechanism to raise and lower bolster
- 80, 100, 150, 200, ton models

#### Benefits:

- Easy loading of heavy work pieces
- More secure loading of work pieces
- Easy operation
- A size for any need



Three capacities to choose from: 2,200lbs.(1,000 kg), 4,400 lbs.(2,000 kg) and 6,000 lbs.(2,725kg)



### FC2200/FC4400

#### Features:

- Fold-away feature
- Adjustable leg spread
- Load lowering valve
- Adjustable boom
- Toe bar and swivel caster
- Rear dolly lifts out for crane use, lowers to roll
- Hand pump

#### Benefits:

- Easy space-saving storage
- Provides easy access to work
- Positive load control
- Extra reach
- Easy transport
- Crane locks in position when wheels are lifted
- Easy, economical crane operation



### FC6000/FC6000E

#### Features:

- Power pump
- Remote motor control
- Swiveling boom
- Load lowering valve
- Adjustable boom
- Toe bar and swivel caster
- Rear dolly lifts out for crane use, lowers to roll

#### Benefits:

- Easy lifting of heavy loads
- Positive load control from any position
- Permits lateral adjustment of load
- Positive load control
- Extra reach
- Easy transport
- Crane locks in position when wheels are lifted