



PROFESSIONAL LIFTING EQUIPMENT

QUALITY • SAFETY • PERFORMANCE

2021
| DEPENDABLE
| PRODUCTS



ABOUT OUR COMPANY



Company History

Thanks for taking the time to look through our catalog. NORCO was created in 1964 and we are now into our third generation of family ownership. It is our intent to make the best quality product, offered at the best possible price, for the professional repair marketplace. If you take a look at our various departments, executive-level management, manufacturing, sales support, or customer service, you will find decades of longevity with the company. It is a testament to the corporate values held here at NORCO. As for customer service...it's our goal to meet your needs with one call. So pick up the phone and let's get acquainted!

Quality Statement

While NORCO's mission is to make money for all the stakeholders in our company, our goal...our commitment to you...is for you to be able to take any NORCO product off the shelf, put it into service, and have it work, SAFELY, right out of the box. Based on our warranty statistics, we are doing things right. "When Safety Depends on Performance" isn't just some tagline. It's our core belief, but it takes a thoughtful process to get it right. We identify needs. Our engineers design products to meet those needs. We build prototypes and test them extensively. Once we are satisfied, we build preproduction prototypes and test them again to meet the current ASME PASE standards. After the products are approved, and we decide to make and introduce them to the market, we test them again before we put them on the shelf. We believe in each and every one of our products and we do our best to ensure they are made tough enough so that once you sell them, you won't see them again!

Assembled in the USA and ASME PASE



It is our intent to make as many products in the USA as possible. While we make some products that are 100% "Made in the USA," many of our products are "Assembled in the USA." We don't want to mislead the public, so we have come up with a single logo that will cover all of our products that have significant USA content. When you see our "Assembled in the USA" logo next to a NORCO product, you can be assured that the product was "substantially transformed in the United States, the product's principal assembly takes place in the United States, and United States assembly operations are substantial" as required by the FTC.

"When Safety Depends on Performance" isn't just some tagline. It's the foundation of our business. When one of our most valued customers was asked why he chose NORCO for his shop equipment needs, he said, "The safety of our technicians depends on the performance of your products." Our equipment has earned that confidence because we use the latest ASME PASE safety standards for our design qualification testing. The ASME PASE standard applies to the design, testing, operation, maintenance, and inspection of portable automotive service equipment. Tirelessly working to meet those standards ensures our customers that our products are safe for the user and perform beyond their expectations. All NORCO products, whether imported or assembled in the USA, are confidently covered by the NORCO Limited Lifetime Warranty (details on back cover).

Thank you for the opportunity to offer you the best shop equipment value on the market.

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AIR/HYDRAULIC AXLE JACK

SAFETY & PERFORMANCE FEATURES

- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
- 50" long "T" handle helps in positioning jack under vehicles with low clearance.
- The load release is top mounted for ease of access and the "T" handle allows operation in any handle position.
- Handle locking lever secures handle in either vertical, horizontal or 45 degree position.
- High performance air motor.
- Inline air filter protects the air motor.
- Large wheels aid in maneuverability.
- Rust inhibitive coating on ram and extension screw offers longer life.
- Self-retracting ram saves time when lowering the jack.
- Three removable 2" diameter saddles with handle-mounted saddle holder; 3/4", 2-1/4" and 4" in height.

Model #	Capacity	Lift Height		Stroke	Screw Extension	Overall Dimensions		P.S.I. Range	Weight
		Low	High			Length	Width		
72200D	22 Ton	9"	22"	4.75"	4.25"	20"	13"	85-145	115 lbs.



72200D

MOBILE SERVICE JACKS

SAFETY & PERFORMANCE FEATURES

- Its light-weight makes it perfect for road-side service calls.
- Fast efficient air pump reduces lifting time and has a built-in relief mechanism which prevents the jack from being used beyond its maximum allowable capacity as required by the ASME/PASE safety standards.
- Convenient push-button air valve connected to an in-line filter prohibits contaminants from entering the air/hydraulic system.
- Long handle with 36-1/2" reach helps in positioning jack under vehicles with low clearance.
- Compact design fits easily between tandem wheels.
- Parkerized coating on pump piston, extension screw, extension adapters and chrome-coated ram offer protection against rust.
- Removable extension screw is used with the two 4" extension adapters (included) for added height when necessary.
- Self-retracting ram eliminates manual lowering of the jack.
- 5-1/4" diameter high impact composite wheels make maneuverability easy.
- May be stored in a vertical position.
- 72090A offers a lower lift range and the 72080A offers a higher lift range.

Model #	Capacity	Lift Height		Stroke	Screw Extension	Base Size	P.S.I. Range	Weight
		Low	High					
72080A	20 Ton	11.125"	28.625"	6.75"	2.75"	9.25" x 17.25"	100-130	70 lbs.
72090A	20 Ton	8.625"	22.75"	4.125"	2"	9.25" x 17.25"	100-130	63 lbs.



72090A

NOTE:

Model not shown has same basic construction as model pictured.

55 / 37 / 23 / 12 TON CAPACITY

SAFETY & PERFORMANCE FEATURES

- At 6", this jack has one of the lowest low heights in the industry!
- High-performance double-acting pump lifts the load with ease.
- Overload system prevents cylinder damage and prevents the jack from being used beyond the ASME/PASE load-limiting standard.
- Long "T" handle helps in positioning jack under vehicles with low clearance.
- Handle locking lever secures handle in either vertical, horizontal or 45 degree position.
- Rust inhibitive coating on rams offers longer life.
- Integrated filter protects air motor.
- Double-acting pump raises ram more quickly to the load.
- Suspension-loaded axle reduces chance of wheel damage.
- Vacuum-operated ram retraction eliminates manual lowering of ram once the load is off.
- Emergency stop button at the top of the handle can be pushed in to immediately stop the jack operation in case of emergency.
- Includes a removable 2-3/4" diameter saddle, 2-9/16" and 5-7/8" long extensions with extension holder.

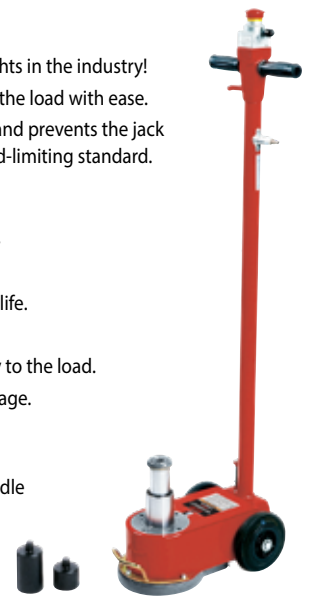


72212

33 / 20 TON CAPACITY

SAFETY & PERFORMANCE FEATURES

- At 6", this jack has one of the lowest low heights in the industry!
- High-performance double-acting pump lifts the load with ease.
- Overload system prevents cylinder damage and prevents the jack from being used beyond the ASME/PASE load-limiting standard.
- Long "T" handle helps in positioning jack under vehicles with low clearance.
- Handle locking lever secures handle in either vertical, horizontal or 45 degree position.
- Rust inhibitive coating on rams offers longer life.
- Integrated filter protects air motor.
- Double acting pump raises ram more quickly to the load.
- Suspension loaded axle prevents wheel damage.
- Vacuum operated ram retraction eliminates manual lowering of jack.
- Emergency stop button at the top of the handle can be pushed in to immediately stop the jack operation in case of emergency.
- Includes 2" and 3-15/16" stackable extensions with extension holder.



72218

50 / 25 TON CAPACITY

88 / 55 TON CAPACITY

SAFETY & PERFORMANCE FEATURES

- High-performance double-acting pump lifts the load with ease.
- Overload system prevents cylinder damage and prevents the jack from being used beyond the ASME/PASE load-limiting standard.
- Long "T" handle helps in positioning jack under vehicles with low overhang.
- Handle locking lever secures handle in either vertical, horizontal or 45 degree position.
- Rust inhibitive coating on rams offers longer life.
- Integrated filter protects air motor.
- Suspension-loaded axle prevents wheel damage.
- Vacuum-operated ram retraction eliminates manual lowering of the ram once the load is off.
- Emergency stop button at the top of the handle can be pushed in to immediately stop the jack operation in case of emergency.
- 72225 and 72255 come with removable 2-3/4" diameter saddle, 2-9/16" and 5-7/8" long extensions with extension holder.



72225

72255

44 TON CAPACITY

SAFETY & PERFORMANCE FEATURES

- High performance, double-acting pump lifts the load with ease. It is the fastest lifting 44 Ton on the market!
- Overload system prevents cylinder damage and prevents the jack from being used beyond the ASME/PASE load-limiting standard.
- Long "T" handle helps in positioning jack under vehicles with low clearance.
- Handle locking lever secures handle in either vertical, horizontal or 45 degree position.
- Rust inhibitive coating on rams offers longer life.
- Integrated filter protects air motor.
- Suspension loaded axle prevents wheel damage.
- Vacuum operated ram retraction eliminates manual lowering of jack.
- Emergency stop button at the top of the handle can be pushed in to immediately stop the jack operation in case of emergency.
- Includes a removable 2-3/4" diameter saddle, 2" and 4" long stackable extensions and extension holder.



72244

Model #	Capacity (Tons) @ Lifting Stage				Lift Height		Overall Dimensions		Piston Stroke	Handle Length	P.S.I. Range	Weight
	1	2	3	4	Low	High	Length	Width				
72212	55	37	23	12	6"	15.375"	39.25"	8.625"	9.5"	61.75"	100-175	233 lbs.
72218	33	20	--	--	6"	12"	16"	6.75"	6.125"	49.25"	120-175	100 lbs.
72225	50	25	--	--	8.75"	16.5"	39.25"	8.625"	7.875"	61.75"	120-175	235 lbs.
72244	44	--	--	--	9.25"	15.625"	21.625"	8.125"	5.5"	61.75"	130-175	149 lbs.
72255	88	55	--	--	8.6"	16.2"	38.1"	11.4"	7.5"	61.75"	150-175	235 lbs.



California residents - These products may contain a chemical known to cause cancer or reproductive harm. www.P65Warnings.ca.gov

5 TON FLOOR JACK

SAFETY & PERFORMANCE FEATURES

- High lift height is 27.25". The highest in the industry!
- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
- Both models have the FASTJACK® feature which raises the jack's lifting saddle to the load with one pump of the "T" handle.
- The 71550G, air / hydraulic model can also be operated manually.
- Locking release lever secures handle and allows for a safe, controlled, release in the vertical, 45 degree, or horizontal positions.
- Chromed ram and dust seals prevent hydraulic contamination.

U.S. PATENT NO. 7,055,801 B2

Model #	Capacity	Lift Height		Overall Dimensions		Handle Length	Weight
		Low	High	Length	Width		
71500G	5 Ton	5.625"	27.25"	62.25"	16.75"	40"	270 lbs.
71550G	5 Ton @ 120 P.S.I.	5.625"	27.25"	62.25"	16.75"	40"	270 lbs.

ONE PUMP TO THE LOAD!



FASTJACK mechanism raises the jack's lifting saddle to the load in one pump stroke.
U.S. PATENT NUMBER 7,055,801 B2

71550G



10 TON FLOOR JACK

SAFETY & PERFORMANCE FEATURES

- High Height is 27.25". The highest in the industry!
- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
- Both models have the FASTJACK® feature which raises the jack's lifting saddle to the load with one pump of the "T" handle.
- The 71100A, air / hydraulic model can also be operated manually.
- Locking release lever secures handle and allows for a safe, controlled, release in the vertical, 45 degree, or horizontal positions.
- Chromed ram and dust seals prevent hydraulic contamination.

U.S. PATENT NO. 7,055,801 B2

Model #	Capacity	Lift Height		Overall Dimensions		Handle Length	Weight
		Low	High	Length	Width		
71000D	10 Ton	6.125"	27.25"	68.5"	21"	46.75"	455 lbs.
71100A	10 Ton @ 120 P.S.I.	6.125"	27.25"	68.5"	21"	46.75"	466 lbs.

71100A



20 TON FLOOR JACK

SAFETY & PERFORMANCE FEATURES

- High Height is 26.25". The highest in the industry!
- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
- The 72220A has the FASTJACK® feature which raises the jack's lifting saddle to the load with one pump of the "T" handle.
- The 72230A air / hydraulic model can also be operated manually.
- Locking release lever secures handle and allows for a safe, controlled, release in the vertical, 45 degree, or horizontal positions.
- Chromed ram and dust seals prevent hydraulic contamination.
- Tough enough and specified by the US ARMY.

U.S. PATENT NO. 7,055,801 B2

Model #	Capacity	Lift Height		Overall Dimensions		Handle Length	Weight
		Low	High	Length	Width		
72220A	20 Ton	7.25"	26.25"	71.5"	20.75"	45"	650 lbs.
72230A	20 Ton @ 120 P.S.I.	7.25"	26.25"	71.5"	20.75"	45"	670 lbs.

NOTE:

Models not shown have same basic construction as model pictured.

72230A



California residents - These products may contain a chemical known to cause cancer or reproductive harm. www.P65Warnings.ca.gov

3 TON FLOOR JACK *FASTJACK*



71203

SAFETY & PERFORMANCE FEATURES

- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
- Extremely durable white nylon front and rear wheels are designed to protect epoxy, painted, and tile automotive dealership floors.
- Double pump piston raises the saddle to the load quickly.
- Two grab handles provide more convenient lifting and positioning of the jack.
- 48" long two-piece aluminum handle with foam handle sleeve.
- Steel lift saddle for greater durability and strength.

Model #	Capacity	Lift Height		Overall Dimensions		Handle Length	Weight
		Low	High	Length	Width		
71203	3 Ton	3"	19.75"	31"	13.75"	44.625"	71 lbs.

SADDLE EXTENSION ADAPTER

for use with 71203, 71233A, 71331 & 71335

Also available is our unique 3" saddle extension adapter. Its patented design has been created to quickly lift the load. Since most SUV's and service trucks have a higher low lift height, the increased height of the saddle allows for quicker positioning and quicker lifting of the vehicle. It saves time and effort and increases shop efficiency.

U.S. PATENT NO. D683104 & 9,022,356 Weight: 5 lbs.



71303

3 TON LIGHTWEIGHT FLOOR JACK *FASTJACK*



71331

SAFETY & PERFORMANCE FEATURES

- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
- Heavy duty aluminum front and rear wheels.
- Double pump piston raises the saddle to the load quickly.
- Two grab handles provide more convenient lifting and positioning of the jack.
- 48" long two-piece aluminum handle with foam handle sleeve.
- Steel lift saddle for greater durability and strength.

Model #	Capacity	Lift Height		Overall Dimensions		Handle Length	Weight
		Low	High	Length	Width		
71331	3 Ton	3"	19.75"	31"	13.75"	44.625"	71 lbs.

2 TON DOUBLE PUMP FLOOR JACK *FASTJACK*



71233A

SAFETY & PERFORMANCE FEATURES

- 2 3/4" low and 20" maximum lift heights.
- 5 3/4" low and 23" maximum lift heights when using the unique 71303 high lift adapter!
- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
- Dual pump-piston design raises the jack to maximum height in 8-1/2 pump strokes when not under load.
- Heavy-duty chassis for added strength and dependability.
- 50.25" long two-piece aluminum handle to easily position the jack.
- Foam handle sleeve is included to protect vehicles from damage.
- U-joint release mechanism for more control for the safe release of the load.

Model #	Capacity	Lift Height		Overall Dimensions		Handle Length	Weight
		Low	High	Length	Width		
71233A	2 Ton	2.75"	20"	27.875"	14.625"	50.25"	88 lbs.

3 1/2 TON SUV & SERVICE TRUCK JACK *FASTJACK*



71335

SAFETY & PERFORMANCE FEATURES

- 4" low and 21-3/8" maximum lift heights.
- 7" low and 24-3/8" maximum lift heights when using the unique 71303 high lift adapter!
- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
- Dual pump-piston design quickly raises the jack to maximum height.
- Heavy-duty chassis for added strength and dependability.
- 50.25" long two-piece handle to easily position the jack.
- Foam handle sleeve is included to protect vehicles from damage.
- U-joint release mechanism for more control for the safe release of the load.

Model #	Capacity	Lift Height		Overall Dimensions		Handle Length	Weight
		Low	High	Length	Width		
71335	3-1/2 Ton	4"	21.375"	28.5"	14.375"	50"	106 lbs.



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RATCHET-STYLE JACK STANDS



SAFETY & PERFORMANCE FEATURES

- Designed to meet the performance and safety requirements of the ASME PASE.
- Unique spring loaded pawl provides constant locking pressure against lifting column.
- Common machine bolt prevents the column from separating from the stand, provides added strength when stand is continuously lifted and handled by the column.
- Positive lock handle cannot be disengaged until load is off the saddle column. Lock handle can be used as a carrying handle.
- Features are based on Norco's U.S. Patent No. 5180131. Proven performance since 1991.

Model #	Capacity (ea.)	Height		Height Intervals	Base Size	Saddle Size	Weight
		Low	High				
81004C	3 Ton	12"	17.5"	.5625"	7.5" x 7.875"	1.125" x 4.625"	19 lbs.
81006D	6 Ton	16.25"	24.875"	.625"	10" x 11"	1.125" x 4.875"	30 lbs.
81012	12 Ton	19.625"	29.375"	1.25"	13" x 15"	1.625" x 4.75"	86 lbs.

5 TON PIN-TYPE JACK STANDS



81205 (shown)
81205i*

SAFETY & PERFORMANCE FEATURES

- Designed to meet the performance and safety requirements of the ASME PASE.
- Pin type support column adjusts to four different height positions.
- Pins chamfered for easier insertion into positioning holes.
- Adjustment pin is secured to stand to prevent loss.
- Handle provides ease of positioning and carrying.
- 3/8" thick solid steel base plate for added stability.

Model #	Capacity (ea.)	Height		Height Intervals	Base Size	Saddle Size	Weight
		Low	High				
81205	5 Ton	9.5"	15.75"	3" x 2"	9" x 9"	3" x 4.5"	38 lbs.
81205i	5 Ton	9.5"	15.75"	3" x 2"	9" x 9"	3" x 4.5"	38 lbs.

***NOTE:** Import models (not shown) have same basic construction as model pictured. Import model numbers end with an 'i'.

10 TON PIN-TYPE JACK STANDS



81209 (shown)
81209i*

SAFETY & PERFORMANCE FEATURES

- Designed to meet the performance and safety requirements of the ASME PASE.
- Low, Medium, and High Height stands are available to meet your support needs. See specification chart below.
- Pins chamfered for easier insertion into positioning holes.
- Adjustment pin is secured to stand to prevent loss.
- Four legged base made of heavy schedule 2" diameter pipe for added stability.
- Large support saddle with locating lugs position and center load.

Model #	Capacity (ea.)	Height		Height Intervals	Base Size	Saddle Size	Weight
		Low	High				
81208	10 Ton	10.5"	17"	4" x 1.5"	12.5" x 12.5"	3" x 5"	60 lbs.
81208i	10 Ton	10.5"	17"	4" x 1.5"	12.5" x 12.5"	3" x 5"	60 lbs.
81209	10 Ton	18.5"	30"	7" x 1.5"	17.75" x 17.75"	3" x 5"	80 lbs.
81209i	10 Ton	18.5"	30"	7" x 1.5"	17.75" x 17.75"	3" x 5"	80 lbs.
81210	10 Ton	28"	47"	10" x 2"	16.75" x 16.75"	3" x 5"	106 lbs.
81210i	10 Ton	28"	47"	10" x 2"	16.75" x 16.75"	3" x 5"	106 lbs.

25 TON PIN-TYPE JACK STANDS



81225 (shown)
81225i*

SAFETY & PERFORMANCE FEATURES

- Designed to meet the performance and safety requirements of the ASME PASE.
- Pin type support column adjusts to four different height positions.
- Pins chamfered for easier insertion into positioning holes.
- Adjustment pin is secured to stand to prevent loss.
- Handle provides ease of positioning and carrying.
- 3/8" thick solid steel base plate for added stability.

Model #	Capacity (ea.)	Height		Height Intervals	Base Size	Saddle Size	Weight
		Low	High				
81225	25 Ton	12"	20"	3" x 3"	10" x 10"	2.25" x 3.25"	65 lbs.
81225i	25 Ton	12"	20"	3" x 3"	10" x 10"	2.25" x 3.25"	65 lbs.

ALL STANDS ARE INTENDED TO BE USED IN PAIRS



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50 TON TRAILER STABILIZING STAND

SAFETY & PERFORMANCE FEATURES

- Designed to meet the performance and safety requirements of the ASME PASE.
- Meets OSHA requirements for stabilizing loaded and unloaded trailers.
- 100,000 lb. static load capacity.
- 15,000 lb. lifting capacity.
- Adjusts from 39" to 51".
- Wide 14" diameter base for added stability.
- 8" diameter top plate.
- Removable pipe handle.



81050

Model #	Capacity (ea.)	Low Height	Ext. Height	Base Size	Saddle Size	Weight
81050	50 Ton	39"	51"	14" Dia.	8" Dia.	152 lbs.

UNDER HOIST STANDS

SAFETY & PERFORMANCE FEATURES

- Designed to meet the performance and safety requirements of the ASME PASE.
- Designed to support vehicle components, **not** the vehicle. Ideal for exhaust system installation, shock absorber replacement, and any task which requires relieving pressure off components.
- Lightweight, slender design makes handling easy, even in close quarters.
- Quick saddles make for easy positioning under the load.
- Foot pedal generates 1" additional stroke and 400 pounds of force at the saddle (81034A only).



81035A

**81034A (shown)
81033A***

Model #	Capacity (ea.)	Low Height	Ext. Height	Base Size	Saddle Size	Weight
81033A	3/4 Ton	55.25"	81.5"	12" Dia.	1.625" x 5.25"	36 lbs.
81034A	3/4 Ton	55.25"	81.5"	12" Dia.	1.625" x 5.25"	40 lbs.
81035A	1-1/2 Ton	48.875"	85.375"	16" x 16" x 16"	3.25" x 3.25"	48 lbs.

***NOTE:** 81033A has same basic construction as 81034A, but without foot pedal.

20 TON PAIR OF TRUCK RAMPS

10 TON EACH RAMP

- Handles tires with up to 16" tread widths.
- Telescopic 34" T-handle extends and lifts up to expose wheels for easy maneuverability around the shop. Retracts for easy storage.
- Perforated holes in ramps provide traction for the tires.
- Non-skid rubber base pads prevent slippage when driving onto or off of ramps.

Model #	Capacity (Each Ramp)	Overall Dimensions			Weight
		Length	Width	Height	
82019	10 Ton	48.25"	12.625"	9"	204 lbs.
82020	10 Ton	50.5"	18.375"	9.25"	346 lbs.



82020

NOTE: Model not shown has same basic construction as model pictured.

20 TON TRAILER STABILIZING STANDS

SAFETY & PERFORMANCE FEATURES

- Designed to meet the performance and safety requirements of the ASME PASE. Used to support the front or rear end of trailers when loaded or unloaded.
- Used for supporting trailers when loaded or unloaded.
- Meets OSHA requirements.
- 14" diameter base provides maximum leveling stability.
- Steel wheels for easier positioning & transporting.
- Quick adjust spin handle for ease of turning.
- Large diamond plate saddle to grip the load.
- 1-1/2" diameter, heavy duty screw and nut provide maximum strength and fine adjustment.



**81022B (shown)
81022Bi***

Model #	Capacity (ea.)	Low Height	Ext. Height	Base Size	Saddle Size	Weight
81022B	20 Ton	39"	50.625"	14" Dia.	4.5" x 5"	55 lbs.
81022Bi	20 Ton	39"	50.625"	14" Dia.	4.5" x 5"	55 lbs.

***NOTE:** Import model (not shown) has same basic construction as model pictured. Import model number ends with an 'I'.

HYDRAULIC UNDER HOIST STAND

SAFETY & PERFORMANCE FEATURES

- Designed to meet the performance and safety requirements of the ASME PASE.
- Foot-activated pump, with 16" of hydraulic lift, allows for use of both hands to position components.
- Spring return lowering pedal automatically closes the release valve when foot is removed from pedal.
- Telescopic support tube with nine height adjustments at 2-1/2" increments.
- A 12" diameter, 3/8" thick steel base provides added stability.
- Two 3" diameter wheels provide easy maneuvering of stand into work position or around the shop.

81036A



Model #	Capacity (ea.)	Low Height	Ext. Height	Base Size	Saddle Size	Weight
81036A	1 Ton	56.25"	94.375"	12" Dia.	4" x 6.25"	51 lbs.

1/2 TON SINGLE PUMP TELESCOPIC TRANSMISSION JACK

SAFETY & PERFORMANCE FEATURES

- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- Wide base with four easy rolling 4" diameter swivel ball bearing caster wheels, provides stability and easy maneuvering in its lowered position.
- Polyurethane wheels provide protection for expensive tile and epoxy floors.
- Fully adjustable universal saddle with hand adjustable corner brackets and safety chain.
- Foot operated pump and lowering pedals allow use of both hands to position and align saddle with transmission.
- Two-stage flash chromed rams inhibit rust from entering hydraulic system.



72500E

Model #	Capacity	Lift Height		Base Dimensions	Weight
		Low	High		
72500E	1/2 Ton	35"	72"	34" x 37"	176 lbs.

NOTE: See optional adapters and saddles on next page.

1/2 TON DOUBLE PUMP TELESCOPIC TRANSMISSION JACK

SAFETY & PERFORMANCE FEATURES

- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- Wide base with four easy rolling 4" diameter swivel ball bearing caster wheels, provides stability and easy maneuvering in its lowered position.
- Polyurethane wheels provide protection for expensive tile and epoxy floors.
- Fully adjustable universal saddle with hand adjustable corner brackets and safety chain.
- Foot operated pump and lowering pedals allow use of both hands to position and align saddle with transmission.
- Two-stage flash chromed rams inhibit rust from entering hydraulic system.
- Two times faster rising than model 72500E with loads up to 400 lbs.



72550B

U.S. PATENT NO. 5,975,496 (Double Pump Design)

Model #	Capacity	Lift Height		Base Dimensions	Weight
		Low	High		
72550B	1/2 Ton	35"	72"	34" x 37"	178 lbs.

FASTJACK

1/2 TON AIR/HYDRAULIC TELESCOPIC TRANSMISSION JACK

SAFETY & PERFORMANCE FEATURES

- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- Metered pump valve provides safe and controlled lowering of load.
- Wide base with four easy rolling 4" diameter polyurethane, swivel ball bearing caster wheels (one is a locking caster wheel) provides stability and easy maneuvering in its lowered position.
- Polyurethane wheels provide protection for expensive tile and epoxy floors.
- Air/hydraulic foot pump provides hands free operation and easy, convenient lifting.
- Fully adjustable universal saddle with hand adjustable corner brackets and safety chain.
- Two-stage flash chromed rams inhibit rust from entering hydraulic system.



72450B

U.S. PATENT NO. 7,171,807

Model #	Capacity	Lift Height		Base Dimensions	Weight
		Low	High		
72450B	1/2 Ton	36"	75"	34" x 34"	175 lbs.

FASTJACK

3/4 TON AIR/HYDRAULIC TELESCOPIC TRANSMISSION JACK

SAFETY & PERFORMANCE FEATURES

- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- Metered pump valve provides safe lowering of load.
- Wide base with four easy rolling 4" diameter swivel ball bearing caster wheels (two are locking caster wheels) provides stability and easy maneuvering in its lowered position.
- Large 10-1/4" x 15-1/8" saddle plate with four adjustable "L"-shaped locating bars.
- The wheels, made from a phenolic resin, offer high impact resistance and are non-marking for protection of tile and epoxy floors.
- Air/hydraulic foot pump provides hands free operation and easy, convenient lifting.
- Fully adjustable universal saddle with hand adjustable corner brackets and safety chain.
- Two-stage flash chromed rams inhibit rust from entering hydraulic system.
- **Perfect for use with medium duty trucks.**



72475A


















U.S. PATENT NO. 7,171,807

Model #	Capacity	Lift Height		Base Dimensions	Weight
		Low	High		
72475A	3/4 Ton	36.5"	75.25"	36" x 36"	196 lbs.

FASTJACK

AVAILABLE ADAPTERS TO IMPROVE TECHNICIAN SAFETY AND EFFICIENCY

For use with all NORCO floor and under hoist transmission jacks. Adapters include all attachment hardware and one ratchet strap.

Model #	Photo	Description	Weight
72034		300 Lb. Capacity Clutch Saddle (Fits only 72500, 72550, and 72450)	22 lbs.
72507B		Ford E40D Truck & 4RIOD 4 x 4 Transmission Adapter (F-250 - F-550 Super Duty)	35 lbs.
72508		Fuel Tank Saddle Adapter (For empty fuel tanks and other under-car components)	37 lbs.
72512		Ford & Lincoln 6F50 and GM 4T60E Transmission Adapter	25 lbs.
72513		Ford CD4E Transmission Adapter	17 lbs.
72514		Mercedes 722 Transmission Saddle Adapter	12 lbs.
72525		Quick Adjust Transmission Saddle Adapter w/ Ratcheting Arms for Quick Adjustment	19 lbs.
72527		Ford 4F27E Transmission Saddle Adapter	15 lbs.
72528		Ford 6R80 Transmission Saddle Adapter	24 lbs.
72529		Ford Diesel Exhaust Saddle Adapter for F-250, 350, 450, 550 Super Duty with a 6.7L Diesel	42 lbs.
72531		Adapter allows Automotive Adapters to be used with Heavy Duty Models 72700A and 72701A	18 lbs.
72532		Ford DPS6 Transmission Adapter	15 lbs.
72533		Universal Bean Bag Saddle for Automotive Transmission Jacks This versatile adapter will support a multitude of transmission designs and shapes.	51 lbs.
72534		Ford/Lincoln 6F35 and GM 6T40 Transmission Adapter	20 lbs.
72535		Ford GT Adapter	34 lbs.
72536		Ford 10R80 Transmission Adapter for Norco 1/2 Ton Transmission Jacks	17 lbs.
72537		Chrysler ZF9HP48 / 948TE Transmission Adapter	20 lbs.



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1/2 TON AUTOMOTIVE TRANSMISSION JACK

SAFETY & PERFORMANCE FEATURES

- Wide chassis with open front provides:
 - Wider opening for saddle and transmission to come lower to the ground for easy removal.
 - Efficient load distribution and stability.
 - Easy access to saddle tilt knobs.
- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- Fully adjustable universal saddle with adjustable corner brackets and safety chain.
- Full 360 degree rotating pump handle operates in any position.
- Flash chromed ram inhibits rust from entering the hydraulic system.
- Four full-swivel ball bearing caster wheels for easy positioning.



72050E

Model #	Capacity	Lift Height		Overall Dimensions			Saddle Size	Weight
		Low	High	Length	Width			
72050E	1/2 Ton	7.375"	32.125"	36"	26.5"		7.125" x 8.125"	152 lbs.

500 LB. DPF HANDLER / DRIVE SHAFT INSTALLATION TOOL

SAFETY & PERFORMANCE FEATURES

- The unique "bean bag" saddle makes installing a drive-shaft a one-person job.
- Universal saddle allows for removal and installation of all brands of Class 8 DPF.
- Wide chassis with open front provides:
 - Wider opening for saddle and component to come lower to the ground for easy removal.
 - Efficient load distribution and stability.
 - Easy access to saddle tilt knobs.
- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- Safety strap provided to secure load to saddle.
- Full 360 degree rotating pump handle operates in any position.
- Flash chromed ram inhibits rust from entering the hydraulic system.
- Four full-swivel ball bearing caster wheels for easy positioning. need for individual DPF transmission adapters.



72060

Model #	Capacity	Lift Height		Overall Dimensions			Saddle Size	Weight
		Low	High	Length	Width			
72060	1/2 Ton	7.375"	32.125"	36"	26.5"		17" x 17.5"	203 lbs.

1-1/2 TON TRUCK TRANSMISSION JACK



SAFETY & PERFORMANCE FEATURES

- Uniquely large, fully adjustable saddle with adjustable angle brackets to more easily position the transmission.
- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- Four 4" high risers handle transmissions with offset transfer cases.
- Two heavy duty ratchet tie-downs conveniently secure the load to the lifting saddle.
- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- Full 360 degree rotating handle operates in any position.
- Flash chromed ram inhibits rust from entering the hydraulic system.
- Four full-swivel ball bearing 4" caster wheels for easy positioning.



72025

Model #	Capacity	Lift Height		Overall Dimensions			Saddle Size	Weight
		Low	High	Length	Width	Height		
72025	1-1/2 Ton	4.75"	36.5"	43.25"	32.75"	12"	18.25" x 15.25"	414 lbs.

1-1/2 TON TRUCK TRANSMISSION JACK



**72000E (shown)
72000Ei***

SAFETY & PERFORMANCE FEATURES

- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- Wide chassis with open front provides:
 - Wider opening for saddle and transmission to come lower to the ground for easy removal.
 - Efficient load distribution and stability.
 - Easy access to saddle tilt knobs.
- Fully adjustable universal saddle with adjustable arms to position the transmission.
- Heavy duty chain with convenient chain tensioner secures load to the saddle.
- Full 360 degree rotating handle operates in any position.
- Flash chromed ram inhibits rust from entering the hydraulic system.
- Four 4" diameter full-swivel ball bearing caster wheels for easy positioning.



Model #	Capacity	Lift Height		Overall Dimensions			Saddle Size	Weight
		Low	High	Length	Width			
72000E	1-1/2 Ton	7.75"	36.5"	45"	28"		10.25" x 15.25"	310 lbs.
72000Ei	1-1/2 Ton	7.75"	36.5"	45"	28"		10.25" x 15.25"	310 lbs.

***NOTE:** Import model (not shown) has same basic construction as model pictured. Import model number ends with an 'i'.



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1 TON UNDER HOIST TRUCK TRANSMISSION JACK

SAFETY & PERFORMANCE FEATURES

- Safety overload system prevents jack from being used beyond the ASME/ PASE load-limiting standard.
- Wide base with four 3-7/8" diameter heavy duty swivel ball bearing caster wheels provides stability and easy maneuvering.
- Fully adjustable universal saddle with adjustable corner brackets and safety chain.
- 2" diameter, flash chromed, single stage ram provides added stability throughout the entire lift range.
- Foot operated pump and lowering pedals allow use of both hands to position and align saddle with transmission.



72700A

Model #	Capacity	Lift Height		Base Dimensions	Weight
		Low	High		
72700A	1Ton	45.75"	74.25"	38" x 38"	292 lbs.

1 TON AIR/HYDRAULIC UNDER HOIST TRUCK TRANSMISSION JACK

SAFETY & PERFORMANCE FEATURES

- Safety overload system prevents jack from being used beyond the ASME/ PASE load-limiting standard.
- Air/hydraulic foot pump provides hands free operation and easy convenient lifting.
- Metered pump valve provides safe lowering of load.
- Fully adjustable universal saddle with adjustable arms to position the transmission. Comes with safety chain.
- 2" diameter, flash chromed, single stage ram provides added stability throughout the entire lift range.
- Wide base with four 3-7/8" diameter heavy duty swivel ball bearing caster wheels provides stability and easy maneuvering.



72701

Model #	Capacity	Lift Height		Base Dimensions	Weight
		Low	High		
72701	1Ton	41.25"	69.375"	37.5" x 38"	273 lbs.

AVAILABLE ADAPTERS TO IMPROVE TECHNICIAN SAFETY AND EFFICIENCY

For use with 72000, 72025, 72700, and 72701 transmission jacks. Adapters include all attachment hardware and one ratchet strap.

Model #	Photo	Description	Weight
72001		Differential Adapter	29 lbs.
72002		Security Ratchet Straps	5 lbs.
72003		Fuller® Eaton® Roadranger® Adapter® (for use with 72000 models only)	21 lbs.
72004		Ford 6R140 Transmission Adapter	32 lbs.
72706		Ford 10R140 Transmission Adapter for 1 and 1-1/2 Ton Transmission Jacks	18 lbs.

300 LBS. TELESCOPIC UNDER HOIST
AIR / HYDRAULIC CLUTCH JACK

SAFETY & PERFORMANCE FEATURES

- Tilting saddle assembly allows for the clutch to be easily positioned in either a horizontal position for clearing underneath truck or vertical position for installation and removal.
- 2" and 1-3/4" diameter spline shafts rotate 360° for clutch and engine alignment.
- Air/hydraulic foot pump provides hands free operation and easy, convenient lifting.
- Metered pump provides safe lowering of load.
- Two-stage flash chromed rams inhibit rust from entering hydraulic system.
- Polyurethane wheels provide protection for tile and epoxy floors.
- This is the perfect addition to a shop with Mobile Column Lifts.

U.S. PATENT NO. 7,171,807

Model #	Capacity	Lift Height		Base Dimensions	Weight
		Low	High		
72035	300 lbs.	38.25"	73.5"	35" x 35"	159 lbs.



72035

300 LBS. FLOOR TYPE
HYDRAULIC CLUTCH JACK

SAFETY & PERFORMANCE FEATURES

- Clutch/flywheel removal and installation becomes a one man job.
- Tilting saddle allows for the clutch to be easily positioned in either horizontal position for clearing underneath truck or vertical position for installation and removal.
- Adjustment bolt on saddle aligns clutch and flywheel.
- Spline shaft rotates 360 degrees, turns left and right for clutch and engine alignment. 2" and 1-3/4" spline shafts included.
- Conveniently located release valve and 360 degree rotating pump handle allow jack to be operated in any work position.

Model #	Capacity	Lift Height		Overall Dimensions		Weight
		Low	High	Length	Width	
72030B	300 lbs.	11.5"	37.75"	35"	26.5"	148 lbs.



72030B

OPTIONAL EQUIPMENT FOR CLUTCH JACKS

MODEL 72033
Flywheel Adapter
Weight: 7 lbs.



MODEL 72037
Eaton® Fuller® Solo®
4 Spline Clutch Disc Tool
Weight: 9 lbs.



MODEL 72038
Drive Shaft Support Adapter
Weight: 5 lbs.



1,250 LB. POWERTRAIN LIFT / TABLE

SAFETY & PERFORMANCE FEATURES

- Fingertip control for both pressure and release operations provides finer control of raising or lowering loads. You will love these pump controls!
- Safety overload system in the air/hydraulic pump prevents jack from being used beyond the ASME/PASE load-limiting standard.
- Fully adjustable saddle with two ratchet tie-downs secure the load to the saddle.
- Four easy rolling caster wheels, with rear wheel locks, provide stability and easy maneuvering in any position.
- The non-marking wheels protect painted, tile, and epoxy floors in automobile dealerships.



72674

Model #	Capacity	Lift Height		Overall Dimensions			Table Size	Saddle Tilt			Weight
		Low	High	Length	Width	Height		Fwd.	Back	Side	
72674	1,250 lbs.	25.5"	65"	57"	42.75"	44.5"	20.25" x 32.25"	22°	22°	±17°	410 lbs.

2,500 LB. POWERTRAIN & BATTERY LIFT / TABLE

SAFETY & PERFORMANCE FEATURES

- A high performance air/hydraulic foot pump lifts the load and includes a metered valve for safely lowering the load.
- Safety overload system in the air/hydraulic pump prevents jack from being used beyond the ASME PASE load-limiting standard.
- Five foot extension hose, with quick disconnect fittings, stores in the lift base. The foot pump can be removed from its holder and hydraulic hose quickly and easily extended by 5' using the extension hose. This provides hands free operation of the pump anywhere around the lift's perimeter.
- Scissors lift design provides easy 360° access to any component.
- Two heavy duty ratchet tie-downs are included to safely secure the load on the lift table.
- Table top height from 31" to 80-1/2".
- Four 8" diameter swivel caster wheels for easy maneuverability. Rear wheels can be locked to prevent the lift from rolling.
- The non-marking wheels protect painted, tile, and epoxy floors in automobile dealerships.



Lowered Position



72850A

We can make a custom saddle for your Electric Vehicle Battery lifting needs!

Model #	Capacity	Lift Height		Overall Dimensions			Table Size	Saddle Tilt			Weight
		Low	High	Length	Width	Height		Fwd.	Back	Side	
72850A	2,500 lbs.	31"	78"	50"	33"	35"	19" x 36"	15°	15°	±15°	665 lbs.



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1/2 TON AIR/HYDRAULIC WHEEL DOLLY

SAFETY & PERFORMANCE FEATURES

- This dolly will handle dual wheels and super singles.
- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- The unique, open-chassis design allows for much easier alignment than with the center post designs of our competition.
- Air-operated pump allows the unit to lift the load effortlessly.
- Heavy duty lift arms, with 1,000 lbs. capacity, are made with ball bearing conveyor rollers which allow easy rotation of wheels for alignment with bolt pattern.
- 7" of side to side lift arm adjustment allows for the easy alignment of the rim's lug holes with the wheel.
- A hydraulic jack provides tilt to the lift arms for easy alignment.
- Safety chain provided to secure tires and wheels to the dolly.
- Maneuverability is made easy by means of two rear mounted ball bearing swivel casters. The caster wheels include a locking mechanism which can prevent the dolly from moving.

Model #	Capacity	Lift Height		Lift Arms			Side to Side Adj.		Overall Dimension			Weight
		Low	High	Width	Length	Tilt Angle	Left	Right	L	W	H	
82304	1/2 Ton	2.125"	39.5"	30.875"	22.125"	-2° to +30°	2.5"	4.5"	49.625"	44.625"	69.875"	476 lbs.



82304



1 TON WHEEL DOLLY

SAFETY & PERFORMANCE FEATURES

- This dolly will handle dual wheels and super singles.
- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- Swivel caster wheels both front and back provide side to side maneuverability.
- Lift arms can be adjusted in closer to handle the more common dual wheel combinations and then adjusted outward to handle the larger combinations.
- Lift arms with ball bearing rollers easily rotate vehicle rim for bolt pattern alignment.
- Lift arms supported at both ends minimize wheel movement.
- Adjustable height push bar provides unobstructed access to hub area.
- 3-1/4" travel adjustment on rear caster wheel matches lifting arms with spindle angle.
- 4" wheels with polyurethane tread protect floor.
- Safety chain included to secure wheel assembly to dolly during removal and transport.

Model #	Capacity	Lift Travel	Overall Dimensions			Weight
			Length	Width	Height	
82301D	1 Ton	7.5"	50.5"	44.5"	39"	209 lbs.



82301D



3/4 TON WHEEL DOLLY

SAFETY & PERFORMANCE FEATURES

- Dolly handles any tire diameter and up to 1,500 lbs. combined tire and wheel weight.
- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- Three 4" diameter swivel ball bearing caster wheels provide easy maneuverability & positioning.
- Travel adjustment on rear locking caster wheel matches lifting arms with spindle angle.
- 6' chain included to secure wheel assembly to dolly during removal & transport.
- Quick disconnect push/pull handle provides unobstructed access to hub area.

Model #	Capacity	Lift Travel	Lift Arms		Overall Dimensions			Weight
			Spread	Length	L	W	H	
82320	3/4 Ton	4.75"	26"	24.5"	43.5"	39.5"	35"	175 lbs.



82320



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AIR OPERATED TIRE/WHEEL LIFT

SAFETY & PERFORMANCE FEATURES

- Need help lifting tire/wheel assemblies onto wheel balancers of tire turntables? This is the perfect tool to reduce shop lifting injuries.
- Maneuverability is made easy by means of four swivel caster wheels. Two rear caster wheels include a locking mechanism which can prevent the dolly from moving.
- Unique offset design offers open access from the rear to mount wheel to the vehicle.
- Onboard rollers make for easy stud-to-hole alignment.
- Air-operated pump allows the unit to lift the load effortlessly.
- 6 1/4" low height of support legs.
- Built-in tray for holding lug nuts.

Model #	Capacity @ 120 P.S.I.	Lift Travel	Overall Dimensions			Weight
			Length	Width	Height	
82306	200 Lbs.	39"	16"	17"	58"	210 lbs.



82306

SINGLE TIRE HANDLER DOLLIES

SAFETY & PERFORMANCE FEATURES

- Heavy-duty tubular steel construction capable of handling 300 pounds.
- Easy grip handle along with improved "bent arm" design improves leverage for easier installation and minimizes back strain.
- Steel alignment rollers allow simple alignment of the wheel to the wheel studs.
- Spring-loaded kickstand offers convenient storage.
- Two models capable of handling tire diameters from 24 to 48 inches..

Model #	Handles Tires	Overall Dimensions		Weight
		Length	Width	
82310	24" - 36"	42.5"	24.75"	19 lbs.
82312	36" - 48"	41"	32"	22 lbs.



82312

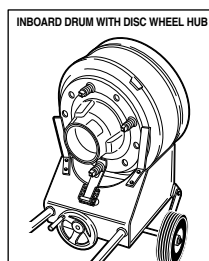
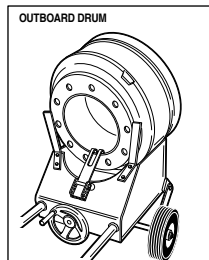
NOTE: Model not shown has same basic construction as model pictured.

BRAKE DRUM HANDLER

SAFETY & PERFORMANCE FEATURES

- Reduces lost-time injuries.
- Handles 15" and 16-1/2" drums.
- 35-1/2" handle for easy positioning during installation & removal.
- Rotating handle provides ease of raising and lowering drum.
- 8" diameter ball bearing wheels, semi-pneumatic tires and 3/4" diameter axle provide easy maneuverability and balance of drum.
- Adjustable angle bracket secures both outboard and inboard mounted drums with disc wheel hubs to the drum handler's carriage.
- Detachable handle for convenient storage. Two models capable of handling tire diameters from 24 to 48 inches..

Model #	Lift Height		Overall Dimensions		Weight
	Low	High	Length	Width	
72040B	10.25"	15.25"	62.5"	21"	64 lbs.



72040B



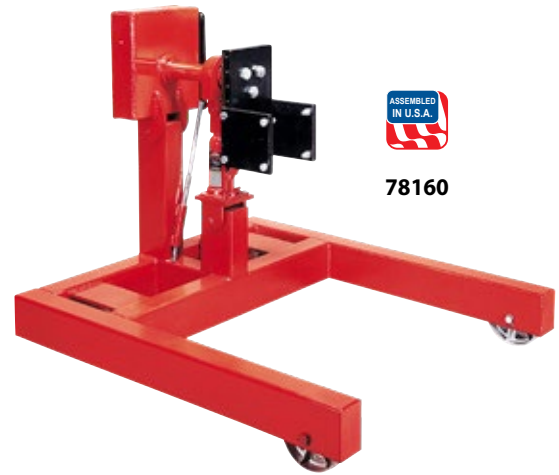
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3 TON DIESEL ENGINE STAND

SAFETY & PERFORMANCE FEATURES

- Includes universal adapter to which Class 8 vehicle-specific adapters are attached.
- Mounting head tilts for engine clearance in 360 degree rotation.
- 95 to 1 worm gear drive and long handle provide easy engine rotation.
- Floor lock keeps stand from moving during repairs.
- Optional vehicle-specific adapters are available.

Model #	Capacity	Lift Height			Wheel Diameters		Rotational Clearance From Mtg. Head to Ground	Weight
		Length	Width	Height	Front	Rear		
78160	3 Ton	54.25"	50"	45"	7"	5.75"	35.25" to 43.25"	631 lbs.



78160

2,000 LB. ENGINE STAND

SAFETY & PERFORMANCE FEATURES

- 50:1 ratio gearbox activated by hand crank easily turns the 360 degree rotating head to the desired work position.
- Includes two universal mounting plates, rotating shaft, eight fully adjustable arms and all the related mounting hardware.
- Rotating shaft with mounting plate telescopes inside the post receiver for fine adjustment when mounting ends or sides of engines. Mounting plates can be adjusted 36-1/4" apart.
- Two rigid wheels in back and two swivel caster wheels in front provide maximum stability and support. One locking caster wheel secures the stand in the desired work location.
- Polyurethane wheels provide protection for expensive tile and epoxy floors.

Model #	Capacity	Height	Width		Length		Weight
			Front	Rear	From	To	
78200A	2,000 lbs.	42"	21.25"	40"	38.25"	53.25"	289 lbs.



78200A

OPTIONAL ENGINE MOUNTING ADAPTERS



FOR USE WITH MODEL 78200A

Model #	Description	Weight
78201	Ford 6.0L and 6.4L Engine Adapter	31 lbs.
78202	Ford 6.2L Engine Adapter	37 lbs.
78203A	Ford 6.7L Engine Adapter	37 lbs.
78207	Ford 3.2L Diesel Engine Adapter	37 lbs.
78208	Dodge Cummins 6.7L Diesel Engine Adapter	37 lbs.



78203A



OPTIONAL TRANSMISSION ADAPTER

FOR USE WITH MODELS 78125A and 78200A



MODEL 78127

















Rotating transmission adapter for Ford 6R60, 6R75, 6R80, 10R60 & 10R80 transmissions
Weight: 30 lbs.



AVAILABLE ADAPTERS TO IMPROVE TECHNICIAN SAFETY AND EFFICIENCY



For use with model 78160 diesel engine stand.

MODEL #	PHOTO	DESCRIPTION	WEIGHT
78162		Detroit Diesel Engine Adapter for 53, 71, and 92 Series Engines	65 lbs.
78163		Cummins Engine Adapter for a Wide Range of Cummins Engines Including: NH, NTC, NTE, N14 855, V6 378; 504, 555, and V8 903; In-Line 6 KT 1150M; L10 (now ISL)	53 lbs.
78164		Caterpillar Engine Adapter for In-Line 6 models: 1673, 1674, 1693, 3306, & 3406 engines. V8 models: 1100, 3208, and 3408	77 lbs.
78165		IH and Ford Engine Adapter for International Harvester engines: DT-466 In-Line 6 DV-550, MV-404, MV-446, V304, V435, V392, 4-152, 4-194, 4-196, 9.0 liter V8. Ford 6.9L and 7.3L Engines	66 lbs.
78166		Mack Engine Adapter for the following In-Line Six Cylinder Engine Series: 672, 673, 675, 711	56 lbs.
78167		Detroit Allison Transmission Adapter for AT, MT, VS, VH, and V730	27 lbs.
78168		Detroit Diesel Engine Adapter for V6 and V8, Series 71 Engines	55 lbs.
78169		Caterpillar Engine Adapter for 3114, 3116, 3176 (Truck or Marine), and C12 Engines	48 lbs.
78170		Mack Engine Adapter for V8 1000, E6 and E7 In-Line 6 Cylinder Engines	42 lbs.
78172		Volvo Engine Adapter for TD67 (developed 1964), TD71 (developed 1984) Engines	50 lbs.
78173		Detroit Allison Transmission Adapter for HT740D, HT750, HT750CT, CLBT, CR/DR	63 lbs.
78174		Ford New Holland Adapter for 6.6L and 7.8L Engines	63 lbs.
78175		Cummins Engine Adapter for ISX15	61 lbs.
78176		Detroit Diesel Engine Adapter for Series 60 Engines	40 lbs.
78177		Cummins "B" Series Engine Adapter for 5.9L Inline 6 Cylinder Engines	16 lbs.
78178		Cummins "C" Series Engine Adapter for 8.3L Inline 6 Cylinder Engines	41 lbs.



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1,250 LBS. GEAR-DRIVEN ENGINE STAND

SAFETY & PERFORMANCE FEATURES

- 50:1 ratio gearbox activated by hand crank easily turns the 360 degree rotating head to the desired work position.
- Meets the ASME PASE performance and safety standards.
- Fully adjustable engine mounting head.
- Two rigid wheels in back and two swivel caster wheels in front provide maximum stability and support. One locking caster wheel secures the stand in the desired work location.
- Telescopic base locks into any one of four different positions to extend the length of the stand for added stability when required.
- Polyurethane wheels provide protection for expensive tile and epoxy floors.

Model #	Capacity	Height	Width		Length		Weight
			Front	Rear	From	To	
78125A	1,250 lbs.	42"	21.25"	40"	38.25"	53.25"	179 lbs.



78125A

1,000 LBS. ENGINE STAND

SAFETY & PERFORMANCE FEATURES

- Meets the ASME PASE performance and safety standards.
- Fully adjustable engine mounting head.
- Long handle and 360 degree rotating head easily position engine.
- Heavy wall tubing prevents excessive frame flex.
- 2 rigid wheels in back and 2 swivel caster wheels in front provide maximum stability and support.

Model #	Capacity	Overall Dimensions			Finger Adjustment		Weight
		Length	Width	Height	Height	Width	
78100	1,000 lbs.	37"	34.5"	38"	12"-15.5"	15"-18"	87 lbs.
78100i	1,000 lbs.	37"	34.5"	38"	12"-15.5"	15"-18"	87 lbs.



78100 (shown)
78100i*

1,250 LBS. ENGINE STAND

SAFETY & PERFORMANCE FEATURES

- Meets the ASME PASE performance and safety standards.
- Fully adjustable engine mounting head.
- Long handle and 360 degree rotating head easily position engine.
- Heavy wall tubing prevents excessive frame flex.
- 2 rigid wheels in back and 2 locking swivel caster wheels in front provide maximum stability and support.

Model #	Capacity	Overall Dimensions			Finger Adjustment		Weight
		Length	Width	Height	Height	Width	
78108	1,250 lbs.	39"	36.5"	39"	12"-15.5"	15"-18"	115 lbs.
78108i	1,250 lbs.	39"	36.5"	39"	12"-15.5"	15"-18"	115 lbs.



78108 (shown)
78108i*

OPTIONAL TRANSMISSION ADAPTER

FOR USE WITH MODELS 78100 and 78108 (including 'i' models)

MODEL 78109

Replaces engine mounting fingers and converts engine stand into a transmission service stand.
Weight: 11 lbs.



***NOTE:** Import models (not shown) have same basic construction as model pictured. Import model numbers end with an 'i'.



California residents - These products may contain a chemical known to cause cancer or reproductive harm. www.P65Warnings.ca.gov

2,500 LBS. FOLDABLE ENGINE CRANE



78106A

Folded Position

SAFETY & PERFORMANCE FEATURES

- Perfect for lifting Electric Vehicle Batteries.
- Meets the ASME PASE performance and safety standards.
- Four position telescopic boom with 3/8" proof chain and hook.
- 3 ton capacity hydraulic power unit provides faster raising action and a large diameter ram to withstand angle loads.
- Low profile design (4-3/4" from top of legs to ground) allows positioning under low ground clearance vehicles and Electric Vehicle Battery lifts.
- Quick foldable legs and boom save shop space (22-1/2" x 51-3/4") and prepare crane for transport or storage within seconds.
- 4" diameter front wheels and locking rear caster wheels provide positive steering and easy maneuvering. Locking caster wheels secure crane from moving when in use.
- Load capacity at various boom extensions:
2,500 lbs. @ 46.5"
2,150 lbs. @ 48.5"
1,850 lbs. @ 54.5"
1,550 lbs. @ 60.375"
1,250 lbs. @ 66.5"

Model #	Boom Capacity @ Length	Boom Height		Overall Dimensions			Weight
		Min.	Max.	Height	Width	Length	
78106A	2,500 lbs. @ 46.5"	0"	88"	70.75"	51.75"	74.5"	320 lbs.

1,500 LBS. ENGINE LOAD LEVELER

SAFETY & PERFORMANCE FEATURES

- Meets the ASME PASE performance and safety standards.
- Designed to hook to a crane or hoist to handle and position large, bulky components.
- The horizontal tilt can be adjusted to compensate for off-center loads, or adjusted to a certain angle for a component being positioned.
- Large adjustment handle allows for quick and easy leveling of the load.



78115

Model #	Capacity	Overall Dimensions			Chain Length	Weight
		Length	Width	Height		
78115	1,500 lbs.	28.25"	2.375"	8.125"	27"	20 lbs.

3 TON FLOOR CRANE



78605A

NOTE:

See information concerning air and electro/hydraulic pumps on page 32-33.

Model not shown has same basic construction as model pictured.

SAFETY & PERFORMANCE FEATURES

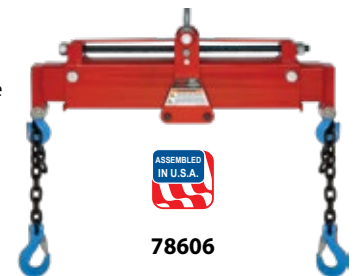
- Meets the ASME PASE performance and safety standards.
- Multiple boom positions and leg extensions ranging from 49" to 81" provide maximum stability.
- Boom swivels 10 degrees right or left if base cannot be centered under the load.
- Floor lock secures crane from moving when in use.
- Model 78600B includes a foot activated high performance air/hydraulic foot pump requiring 100 P.S.I. air pressure.
- Model 78605A includes a high performance electro/hydraulic pump requiring 115 VAC.

Model #	Boom Capacity @ Length	Boom Height		Overall Dimensions			Weight
		Min.	Max.	Height	Width	Length	
78600B	3 Ton @ 65" 2-1/2 Ton @ 81"	13"	149.5"	90.5"	51"	75"	1,150 lbs.
78605A	2 Ton @ 97"	13"	149.5"	90.5"	51"	75"	1,182 lbs.

6,000 LBS. ENGINE LOAD LEVELER

SAFETY & PERFORMANCE FEATURES

- Meets the ASME PASE performance and safety standards.
- Designed to hook to a crane or hoist to handle and position large, bulky components.
- The horizontal tilt can be adjusted to compensate for off-center loads, or adjusted to a certain angle for a component being positioned.
- Adjustment screw can be used manually or with air tools.
- May be used with any 3 ton capacity engine crane.
- 5/16" alloy grade 80 chain.
- Position of hooks adjusts from 32" to 48".



78606

Model #	Capacity	Overall Dimensions			Chain Length	Weight
		Length	Width	Height		
78606	6,000 lbs.	32.187"	5"	15.625"	26.875"	69 lbs.

3 TON AIR/HYDRAULIC PUMP OPERATED ROLLING LIFT BRIDGE

SAFETY & PERFORMANCE FEATURES

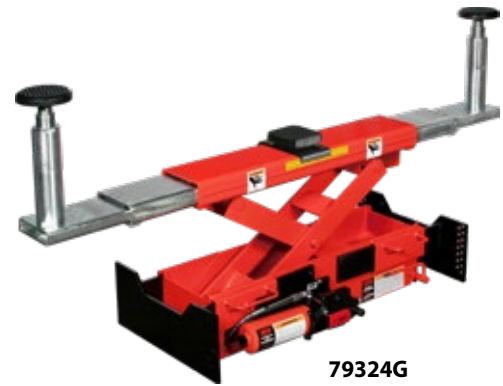
- Push button air/hydraulic pump provides safe, quick lifting up to 9".
- The lifting pads safely support the vehicle on the bridge and the adjustable lift arms span up to 63".
- Universal mounting brackets adjust to a lift rail range of 32" to 46-1/2".
- Flat-end and hook-end adapter brackets are equipped with spring-loaded roller bearings for smooth maneuverability of bridge on lift rails. These brackets are sold separately.
- Mechanical stop prevents accidental lowering of bridge. Lowering is accomplished with one hand on the pump release lever and the other hand releasing the mechanical stop.
- Equipped with rubber faced saddle for differential lifting.
- Included lift adapters: (2) 3-1/2" Adapters, (2) 5" Adapters, and (2) Padded Saddles w/ Extension Screws.
- The different lift arm widths of the 79324G and 79335 are shown below.

UNIQUE FEATURES

- The 79324G has lift arm dimensions of 39.875" to 63".
- The 79335 has lift arm dimensions of 34.75" to 62.75" and is the choice for Valvoline Instant Oil Change Locations.

NOTE: To achieve maximum lifting capacity, the lifting surface must be raised at least 3.25" higher than its lowest point.

Model #	Capacity @ 100 P.S.I.	Stroke	Adapter Heights				Dimensions			Weight
			Saddle Retracted	Saddle Extended	Short Adapter	Tall Adapter	Length	Width	Height	
79324G	3 Ton	9"	1.25"	3.5"	3.5"	5"	39.875" to 63"	21.5"	9.375" to 18.375"	325 lbs.
79335	3 Ton	9"	1.25"	3.5"	3.5"	5"	34.75" to 62.75"	21.5"	9.375" to 18.375"	325 lbs.



79324G

STANDARD WIDTH



79335

NARROW WIDTH

OPTIONAL BRACKET KITS FOR ROLLING LIFT BRIDGES

MODEL 79326D

Flat-End Adapter Bracket Kit

Enables the rolling lift bridge to roll on flat surfaces.
Weight: 12 lbs.



MODEL 79327D

Hook-End Adapter Bracket Kit

Enables the rolling lift bridge to roll on the rails of the lift or pit.
Weight: 12 lbs.



3,600 LBS. FORD E.V. BATTERY DOLLY

SAFETY & PERFORMANCE FEATURES

- USA Patent Pending design.
- Supports and transport batteries for the Ford Mach-E and other Ford EV's.
- Quick and independent width and height adjustments.
- Four 6" diameter ball-bearing mounted swivel caster wheels.
- Two of the four 6" caster wheels have wheel locks to prevent the dolly from moving.



78500



Model #	Capacity	Height Adjustment	Width	Length	Weight
78500	3,600 lbs.	23.25" to 27.25"	17"	72"	138 lbs.

4 TON FORKLIFT JACK

SAFETY & PERFORMANCE FEATURES

- Serrated saddle which handles flat surfaces can be rotated out of the way so edged surfaces can be raised in the rounded lift arm cutout.
- 30" removable handle for ease of pumping and storage when not in use.
- Our "fingertip control" release knob provides slow, controlled, lowering of the load.
- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.

TWO-POSITION SADDLE @ SCISSORS END



SERRATED SADDLE
LIFTS FLAT SURFACES



ROUNDED CUTOUT
LIFTS EDGED SURFACES



72036D

Model #	Capacity	Lift Height				Overall Dimensions		Weight
		Saddle		Cutout		Length	Width	
		Low	High	Low	High			
72036D	4 Ton	2.5"	16.5"	2.375"	16.5"	30.25"	8.375"	77 lbs.

700 LBS. 4-POINT ENGINE SUPPORT TOOL



78099

SAFETY & PERFORMANCE FEATURES

- Fully adjustable strut tower mounts can be positioned on the transverse support bar up to 47-1/2" apart to fit most vehicles.
- Two front support adapters can mount directly onto the transverse support bar and easily be adjusted to fit most engine compartment configurations.
- Support bar and adapters are made of lightweight steel tubing, welded together in a parallel configuration to prevent flexing and provide full length positioning of the hooks and adapter front mounting feet.
- Three 1/2" diameter hooks 14" long and spin knobs provide strength and quick adjustment to support the engine.
- Weight: 52 Lbs.

3,600 LBS. CAR DOLLY

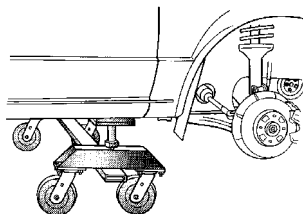


SAFETY & PERFORMANCE FEATURES

- Supports a vehicle with or without tires.
- Allows FWD vehicle to be easily moved in the service bay when drive train has been removed.
- Universal design fits any car without the need for additional vehicle adapters.
- Quick and independent width and height adjustments. Fully adjustable outriggers to fit any vehicle frame width. Threaded lift saddles with rubber pads are independently adjustable and provide maximum frame protection.
- Does not require installation to the subframe or engine/transaxle cradle mounting holes.
- Can be used in pairs for maximum maneuverability in tight places.
- Four 6" diameter ball bearing mounted swivel caster wheels rated at 900 pounds capacity each.
- Two of the four 6" wheels have wheel locks to prevent dolly from moving.



78090A



Model #	Capacity	Height Adjustment	Width	Length Adjustment	Weight
78090A	3,600 lbs.	12.75" to 15.75"	17"	30" to 60"	65 lbs.

1-1/2 TON MECHANICAL SCISSORS JACK

SAFETY & PERFORMANCE FEATURES

- Combination right and left hand threaded drive screw for faster rising.
- Includes 2-piece extra long 22.5" crank handle for easier operation under load, longer reach and convenient storage when not in use.



82002C

Model #	Capacity	Lift Height		Base Dimensions	Saddle Size	Weight
		Low	High			
82002C	1-1/2 Ton	3.75"	13.25"	4.25" x 7.375"	2" x 5.125"	10 lbs.



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2, 3, 5, 8, 12-1/2, 22, 35, and 60 TON BOTTLE JACKS

1-1/2 and 3 TON LONG HAND JACKS



SAFETY & PERFORMANCE FEATURES

- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
- Prevent rust with "Parkerized" pump piston, ram and extension screw.
- No leak "Uniweld" construction.
- State-of-the-art design reduces repair time.
- The heavy-duty extension screw and release valve were designed to eliminate parts and reduce the chance of breakage and excessive wear.
- Longer wear life due to internally machined oil passages, smooth bearing surfaces and close tolerances.
- Lightweight forged base provides more steel only where strength is required.
- "G" models are designed with a removable plug so a gauge can be adapted to the jack. See page 26 for model 78021 gauge.
- Two piece zinc plated handle.

Model #	Capacity	Lift Height		Stroke	Extension Screw	Base Size	Carry Handle	Weight
		Low	High					
76502B	2 Ton	7.13"	14.5"	4.94"	2.44"	3.5" x 4.13"	No	6 lbs.
76503B	3 Ton	7.5"	15.56"	5.25"	2.81"	4" x 4.56"	No	8 lbs.
76505B	5 Ton	9.06"	18.88"	6.69"	3.13"	4.88" x 4.45"	No	11.5 lbs.
76508B	8 Ton	9.06"	18.75"	6.5"	3.19"	5.38" x 5.13"	Yes	14 lbs.
76412B	12.5 Ton	9.45"	18.9"	5.91"	3.54"	5.51" x 5.51"	Yes	18 lbs.
76412BG	12.5 Ton	9.45"	18.9"	5.91"	3.54"	5.51" x 5.51"	Yes	18 lbs.
76512B	12.5 Ton	6.69"	13.19"	3.74"	2.76"	5.51" x 5.51"	Yes	15 lbs.
76520B	22 Ton	10.83"	20.2"	6.61"	2.76"	6.57" x 6.06"	Yes	31 lbs.
76520BG	22 Ton	10.83"	20.2"	6.61"	2.76"	6.57" x 6.06"	Yes	31 lbs.
76820B	22 Ton	8.27"	14.96"	3.94"	2.76"	6.57" x 6.06"	Yes	25 lbs.
76535	35 Ton	11"	17.38"	6.31"	—	5.63" x 7.56"	Yes	42 lbs.
76560	60 Ton	12"	18.75"	6.69"	—	7.44" x 9.31"	Yes	82 lbs.
LONG HAND JACKS								
76402B	1.5 Ton	22.6"	41.9"	19.3"	—	4" x 4.56"	No	17.5 lbs.
76403B	3 Ton	24"	43.5"	19.5"	—	4.88" x 4.45"	No	24 lbs.

NOTE:
Models not shown have same basic construction as model pictured.

12 TON AIR OPERATED HYDRAULIC BOTTLE JACK



76312B

20 TON AIR OPERATED HYDRAULIC BOTTLE JACKS



76320B

76720B

76721A

SAFETY & PERFORMANCE FEATURES

- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
- Fast efficient air pump with convenient push button air valve and an in-line filter prevents contaminants from entering the air/hydraulic system.
- Unique design allows for manual operation when air is not available.
- Parkerized coating on pump piston, extension screw and extension adapters and chrome coated ram offer protection against rust.
- Longer wear life due to internally machined oil passages, smooth bearing surfaces and close tolerances.
- Each jack has a carrying handle and two piece zinc plated pump handle.

Model #	Capacity	Lift Height		Stroke	Extension Screw	P.S.I. Range	Weight
		Low	High				
76312B	12 Ton	9.63"	19.75"	6"	4"	100-130	24 lbs.
76320B	20 Ton	10.88"	20.5"	6.75"	2.75"	100-130	41 lbs.
76720B	20 Ton	8.25"	14.5"	4"	2.25"	100-130	36 lbs.
76721A	20 Ton	7.75"	11.75"	4"	N/A	100-130	36 lbs.

30 TON AIR OPERATED HYDRAULIC BOTTLE JACKS



76330

76333

50 TON AIR OPERATED HYDRAULIC BOTTLE JACK



76350

100 TON AIR OPERATED HYDRAULIC BOTTLE JACK



76399

SAFETY & PERFORMANCE FEATURES

- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
- Comes with a fast, efficient, air pump with convenient push button air valve.
- Parkerized coating on ram and extension screw offers protection against rust.
- Longer wear life due to internally machined oil passages, smooth bearing surfaces and close tolerances.
- Each jack has a carrying handle and release handle.

100 TON FEATURES

- Unique design allows for manual operation when air is not available.
- Front wheels and a fixed handle position make the jack portable.
- Pressure gauge allows for monitoring of internal pressure.
- Chrome plated ram offers extra protection against corrosion.

Model #	Capacity	Lift Height		Stroke	Extension Screw	P.S.I. Range	Weight
		Low	High				
76330	30 Ton	11"	19.7"	5.9"	4"	100-130	40 lbs.
76333	30 Ton	19.5"	33.9"	14.4"	N/A	100-130	55 lbs.
76350	50 Ton	12"	19"	7"	N/A	100-130	70 lbs.
76399	100 Ton	11.8"	17.7"	5.9"	N/A	100-130	190 lbs.



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12-1/2 TON HAND PUMP OPERATED PRESS



SAFETY & PERFORMANCE FEATURES

- Overload system prevents cylinder damage and prevents the jack from being used beyond the ASME/PASE load-limiting standard.
- Welded frame, fully assembled, tested, and ready to put to work.
- Manual pump power unit with "Parkerized" pump piston, ram and extension screw to inhibit rust from entering the hydraulic system.
- Pair of bed plates included.
- Shielded heavy duty ram return springs.
- Power unit is bearing mounted for horizontal movement on head channel.
- Zero distortion, heavy duty structural steel frame.



78013B

22 TON HAND PUMP OPERATED PRESS



SAFETY & PERFORMANCE FEATURES

- Overload system prevents cylinder damage and prevents the jack from being used beyond the ASME/PASE load-limiting standard.
- Welded frame, fully assembled, tested, and ready to put to work.
- Manual pump power unit with "Parkerized" pump piston, ram and extension screw to inhibit rust from entering the hydraulic system.
- Pair of bed plates included.
- Shielded heavy duty ram return springs.
- Power unit is bearing mounted for horizontal movement on head channel.
- Zero distortion, heavy duty structural steel frame.



78022E

25 TON AIR/HYDRAULIC PUMP OPERATED PRESS



SAFETY & PERFORMANCE FEATURES

- Overload system prevents cylinder damage and prevents the power unit from being used beyond the ASME/PASE load-limiting standard.
- Welded frame, fully assembled, tested, and ready to put to work.
- Air/hydraulic foot pump provides hands free operation. **Note:** See page 32 for additional information on the model 910130A pump.
- Pair of bed plates included.
- Self-retracting ram can slide for horizontal movement on head channel.
- Zero distortion, heavy duty structural steel frame.
- Liquid filled gauge measures ram force and internal working pressure.



78024

PRESS BLANKET

Press blankets are used to protect the operator and other employees from flying objects or broken parts caused from a press operation gone wrong.



78048

PRESS GUARD

The guard is sold individually and comes with all mounting instructions and hardware.



78035
(shown)

ACCESSORIES FOR 12-1/2, 22, & 25 TON PRESSES

Model #	Description	Weight
78021	Hydraulic Gauge with Fittings	2 lbs.
78025	Accessory Kit for 20, 22, and 25 Ton Presses	40 lbs.
78033	Bed Plates for 12-1/2 - 25 Ton Presses	28 lbs.
78035	Press Guard for 25 Ton Press	80 lbs.
78048	Press Blanket	8 lbs.

Model #	Capacity	Stroke	Throat Height		Throat Width	Bed Height Adjustments	Between Uprights	Between Bed Rails	Base		Overall Height	Weight
			Min.	Max.					Width	Depth		
78013B	12.5 Ton	5.875"	5"	38.25"	25"	8 x 4.75"	5"	6"	34"	28"	70.625"	266 lbs.
78022E	22 Ton	6.625"	7.125"	35.5"	30"	7 x 4.75"	6"	7"	40"	28"	70.625"	394 lbs.
78024	25 Ton	8"	6.75"	40"	30.5"	8 x 4.75"	6"	7"	40"	28"	76.75"	430 lbs.

NOTE:

Models not shown have same basic construction as model pictured.



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50 TON 2-SPEED HAND PUMP OPERATED PRESS



SAFETY & PERFORMANCE FEATURES

- Manually operated two speed pump provides quick ram travel to load.
- Welded frame, fully assembled, tested, and ready to put to work.
- Overload system prevents cylinder damage and prevents the power unit from being used beyond the ASME/PASE load-limiting standard.
- Hand operated winch raises and lowers press bed.
- Liquid filled gauge measures ram force in pounds and tons.
- Self-retracting ram is bearing mounted for lateral movement on head channel.



78055A

50 TON AIR/HYDRAULIC PUMP OPERATED PRESS



SAFETY & PERFORMANCE FEATURES

- Welded frame, fully assembled, tested, and ready to put to work.
- Overload system prevents cylinder damage and prevents the power unit from being used beyond the ASME/PASE load-limiting standard.
- Hand operated winch raises and lowers press bed.
- Liquid filled gauge measures ram force in pounds and tons.
- Self-retracting ram is bearing mounted for lateral movement on head channel.
- 78057A - high performance air/hydraulic pump allows for 6.25" of ram travel.
- 78077 - high performance air/hydraulic pump allows for 13.25" of ram travel.



**78077 (shown)
78057A***

50 TON ELECTRO/HYDRAULIC PUMP OPERATED PRESS



SAFETY & PERFORMANCE FEATURES

- Welded frame, fully assembled, tested, and ready to put to work.
- Overload system prevents cylinder damage and prevents the power unit from being used beyond the ASME/PASE load-limiting standard.
- Hand operated winch raises and lowers press bed.
- Liquid filled gauge measures ram force in pounds and tons.
- Self-retracting ram is bearing mounted for lateral movement on head channel.
- 78058A - high performance electro/hydraulic pump allows for 6.25" of ram travel.
- 78078 - high performance electro/hydraulic pump allows for 13.25" of ram travel.



**78078 (shown)
78058A***

100 TON ELECTRO/HYDRAULIC PUMP OPERATED PRESS



SAFETY & PERFORMANCE FEATURES

- Welded frame, fully assembled, tested, and ready to put to work.
- Overload system prevents cylinder damage and prevents the power unit from being used beyond the ASME/PASE load-limiting standard.
- Hand operated winch raises and lowers press bed.
- Liquid filled gauge measures ram force in pounds and tons.
- Self-retracting ram is bearing mounted for lateral movement on head channel.
- High Speed electro/hydraulic pump allows for 10.25" of ram travel.



78110C

ACCESSORIES FOR 50 & 100 TON PRESSES

Model #	Description	Weight
78060	Accessory Kit for 50 Ton Presses	147 lbs.
78056A	Bed Plates for 50 Ton Presses	108 lbs.
78111A	Bed Plates for 100 Ton Press	153 lbs.

Model #	Description	Weight
78070	Press Guard for 50 Ton Presses	90 lbs.
78075	Press Guard for 100 Ton Press	160 lbs.
78048	Press Blanket	8 lbs.



78056A
50 Ton Capacity
Pair of Bed Plates



78111A
100 Ton Capacity
Pair of Bed Plates



Model #	Capacity	Stroke	Throat Height		Throat Width	Bed Height Adjustments	Between Uprights	Between Bed Rails	Base		Overall Height	Weight
			Min.	Max.					Width	Depth		
78055A	50 Ton	6.25"	7.5"	32.625"	34.5"	7 x 5"	5.625"	7.375"	50"	40"	72.75"	804 lbs.
78057A	50 Ton	6.25"	7.5"	32.625"	34.5"	7 x 5"	5.625"	7.375"	50"	40"	72.75"	801 lbs.
78077	50 Ton	13.25"	7.5"	32.625"	34.5"	7 x 5"	5.625"	7.375"	50"	40"	72.75"	833 lbs.
78058A	50 Ton	6.25"	7.5"	32.625"	34.5"	7 x 5"	5.625"	7.375"	50"	40"	72.75"	814 lbs.
78078	50 Ton	13.25"	7.5"	32.625"	34.5"	7 x 5"	5.625"	7.375"	50"	40"	72.75"	846 lbs.
78110C	100 Ton	10.25"	18.25"	45.75"	40.25"	8 x 4.5"	5.625"	9"	58"	40"	81"	1,777 lbs.

*NOTE:

Models not shown have same basic construction as model pictured.



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10 TON AIR LIFT JACK

82999i (shown)
82999*

SAFETY & PERFORMANCE FEATURES

- Three-way heavy duty air valve provides fine control when lifting or lowering a vehicle.
- Automatic safety lock engages in six different height positions independent of air pressure.
- Designed for lifting entire front or rear of a vehicle.
- Front swivel caster wheel and two 12-1/4" diameter pneumatic rear tires provide easy maneuverability.
- Adjustable lifting saddles can be raised and extended to desired position.
- 82999 is Assembled in the USA.



Model #	Capacity @ 200 P.S.I.	Lift Height		Overall Dimensions			Saddle Reach	Weight
		Low	High	Length	Width	Height		
82999	10 Ton	12.25"	49.5"	39.75"	34"	66.25"	13.5"	638 lbs.
82999Ai	10 Ton	12.83"	44.72"	40.59"	34.72"	67.75"	11.18"	817 lbs.

***NOTE:** U.S. model (not shown) has same basic construction as import model pictured. Import model numbers end with an 'i'.

8-1/2 TON LONG REACH AIR LIFT JACK

SAFETY & PERFORMANCE FEATURES

- Three-way heavy duty air valve provides fine control when lifting or lowering a vehicle.
- Automatic safety lock engages in five different height positions independent of air pressure.
- Includes extension tubes and adjustment pins for added height requirements.
- Two 10" diameter solid wheels are strategically located for better positioning and maneuverability.
- Scissors action frame design with four 5" diameter steel wheels provides maximum stability during lifting and lowering.
- Large air cylinder requires only 100 p.s.i. air pressure to lift 5 ton capacity.
- Over four feet of reach between cylinder and center line of lifting saddle.



82995



Model #	Capacity	Lift Height		Overall Dimensions			Saddle Reach	Weight
		Low	High	Length	Width	Height		
82995	5 Ton @ 100 P.S.I.							
	7 Ton @ 150 P.S.I.	10"	50"	80.5"	38"	53.75"	50"	935 lbs.
	8-1/2 Ton @ 180 P.S.I.							

10 TON PORTABLE AIR LIFT JACK

SAFETY & PERFORMANCE FEATURES

- Three-way heavy duty air valve provides fine control when lifting or lowering a load.
- Extension tubes and detent pins offer multiple lifting heights.
- Unit easily maneuvered on two 8" diameter rubber tread wheels.
- Removable handle and 8' air hose for remote safe positioning and operation.
- Lifting saddle with serrated surface (82990C only) and locating lugs.



Serrated Saddle

82990C



Model #	Capacity @ 172 P.S.I.	Lift Height		Overall Dimensions			Stroke	Weight
		Low	High	Length	Width	Height		
82990C	10 Ton	17.75"	49.375"	58"	13.625"	17.75"	11.5"	178 lbs.

15 TON PORTABLE AIR LIFT JACK

SAFETY & PERFORMANCE FEATURES

- Three-way heavy duty air valve provides fine control when lifting or lowering a load.
- Extension tubes and detent pins offer multiple lifting heights.
- Unit easily maneuvered on two 8" diameter rubber tread wheels.
- Removable handle and 8' air hose for remote safe positioning and operation.

82992



Model #	Capacity @ 186 P.S.I.	Lift Height		Overall Dimensions			Stroke	Weight
		Low	High	Length	Width	Height		
82992	15 Ton	18.125"	51.375"	59.5"	15"	18.125"	11.25"	240 lbs.



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4 TON CAPACITY KIT

SAFETY & PERFORMANCE FEATURES

- Pump gauge included to enable pump user to know tonnage being applied.
- "Quick-Lock" design for fast and easy assembly and disassembly.
- Long handle provides ease of pumping.
- Thick walled extension tubes for added strength and longer life.
- Roto-molded plastic case for organized component storage and ease of carrying.
- Flexible hydraulic hose with spring guards at both ends.
- Forged steel adapters for added strength and durability (904004C).
- All casting parts are made of nodular cast iron (904005B).

Model #	Capacity	Construction	Weight
904004C	4 Ton	Forged Adapters	41 lbs.
904005B	4 Ton	Cast Adapters	42 lbs.

NOTE: Cast & forged adapter components vary in size and are not interchangeable.



904004C

4 TON KITS INCLUDE

- PLASTIC CASE
- 10,000 P.S.I. PUMP w/ GAUGE
- 6' HOSE
- 4" STROKE RAM
- WEDGE RAM (1/2 TON CAP.)
- 4", 8", 12" AND 16" EXTENSION TUBES
- TUBE CONNECTOR
- SERRATED SADDLE
- RUBBER HEAD
- WEDGE HEAD
- RAM TOE
- PLUNGER TOE
- RUBBER FACED FLAT BASE
- 90 DEGREE "V" BASE

10 TON CAPACITY KIT

SAFETY & PERFORMANCE FEATURES

- Pump gauge included to enable pump user to know tonnage being applied.
- "Quick-Lock" design for fast and easy assembly and disassembly.
- Long handle provides ease of pumping.
- Thick walled extension tubes for added strength and longer life.
- Roto-molded plastic case for organized component storage and ease of carrying.
- Flexible hydraulic hose with spring guards at both ends.
- Forged steel adapters for added strength and durability (910005C).
- All casting parts are made of nodular cast iron (910006B).

Model #	Capacity	Construction	Weight
910005C	10 Ton	Forged Adapters	83 lbs.
910006B	10 Ton	Cast Adapters	77 lbs.

NOTE: Cast & forged adapter components vary in size and are not interchangeable.



910005C

10 TON KITS INCLUDE

- WHEELED PLASTIC CASE
- 10,000 P.S.I. PUMP w/ GAUGE
- 6' HOSE
- 6" STROKE RAM
- WEDGE RAM (1/2 TON CAP.)
- 5", 10", 14" AND 19" EXTENSION TUBES
- TUBE CONNECTOR
- SERRATED SADDLE
- RUBBER HEAD
- WEDGE HEAD
- 90 DEGREE "V" BASE
- FLAT BASE
- RAM TOE
- PLUNGER TOE

20 TON CAPACITY KIT

SAFETY & PERFORMANCE FEATURES

- Two steel cases with carrying handles share the weight for easier handling of kit.
- Two-speed pump w/ gauge quickly raises ram to load and secondary pump provides powerstroke.
- Pump gauge included to enable pump user to know tonnage being applied.

Model #	Capacity	Construction	Weight
920020A	20 Ton	Forged Adapters	153 lbs.



920020A

20 TON KIT INCLUDES

- STEEL CASE (1 OF 2)**
- 2-SPEED PUMP w/ GAUGE
 - 5' HOSE
 - RAM, 5" STROKE
 - 3-1/2" DIA. SADDLE (2)
 - THREADED COUPLER (3)
 - TOE LIFT
 - WEDGE HEAD
 - "V" HEAD
- STEEL CASE (2 OF 2)**
- 3" EXTENSION TUBE (2)
 - 5" EXTENSION TUBE
 - 10" EXTENSION TUBE
 - 20" EXTENSION TUBE
 - 27-1/2" EXTENSION TUBE
 - 6-1/2" DIA. BASE (2)



CAUTION!

When cylinders are used with maintenance set attachments or components, the maximum system pressure must be limited to half the rated pressure (5,000 P.S.I.).

NOTE:

Models not shown have same basic construction as model pictured.



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SINGLE ACTING CYLINDERS

SAFETY & PERFORMANCE FEATURES

- High flow quick connecting coupler and dust cap included on all models.
- Unique piston and cylinder bearings absorb eccentric load stresses in order to protect the cylinder against abrasion, over-extending and jamming.
- Nickel plating on most cylinder pistons inhibits rusting.
- Baked enamel exterior finish for increased corrosion resistance.
- Polyurethane seals and wipers provide high cycle life.
- Heavy duty return springs provide consistent performance.
- Cylinders comply with ASME B 30.1.



910026A

Model #	Capacity	Stroke	Weight
910026A	10 Ton	6.13"	10 lbs.
910027A	10 Ton	2.13"	6 lbs.
910029A	10 Ton	10.13"	14 lbs.
910030	10 Ton	12"	16.5 lbs.
910045	10 Ton	12"	14 lbs.
910047	10 Ton	14"	18 lbs.
915006	15 Ton	6"	15 lbs.
925026B	20 Ton	1.75"	11 lbs.
925023	25 Ton	4"	18 lbs.
925024	25 Ton	10.25"	31 lbs.
925025A	25 Ton	6.25"	22 lbs.
925027A	25 Ton	14.25"	39 lbs.
930003	30 Ton	2.44"	15 lbs.
950005	50 Ton	2.38"	24 lbs.
955019A	50 Ton	6.25"	51 lbs.
955065	55 Ton	13.37"	86 lbs.
999000	100 Ton	10.25"	160 lbs.

DOUBLE ACTING CYLINDERS

SAFETY & PERFORMANCE FEATURES

- These cylinders have the ability to pull as well as push under power.
- Double-acting cylinders can only be used with the 4-way valve hand pump model 925014.
- Built-in safety valve prevents over-pressurization.
- High flow quick connecting coupler and dust cap included on all models.
- Unique piston and cylinder bearings absorb eccentric load stresses in order to protect the cylinder against abrasion, over-extending and jamming.
- Nickel plating on most cylinder pistons inhibits rusting.
- Baked enamel exterior finish for increased corrosion resistance.
- Polyurethane seals and wipers provide high cycle life.
- Heavy duty return springs provide consistent performance.
- Cylinders comply with ASME B 30.1.



910010

Model #	Capacity (Tons)		Stroke	Weight
	Push	Pull		
910010	10	4	10"	28 lbs.
930008	30	5	8.25"	40 lbs.
955106	50	10	6.125"	67 lbs.
999106	100	48	6.625"	135 lbs.

WEDGE RAM

SAFETY & PERFORMANCE FEATURES

- Jaws open from 3/8" to 3-11/16" so ram can be used in very confined work areas.
- Spring retractable jaws.
- Complies with ASME B30.1.



910028A

Model #	Capacity	Arm Height		Overall Dimensions			Cylinder Area (Cu.In.)	Oil Capacity (Cu.In.)	Weight
		Closed	Open	Height	Width	Length			
910028A	1 Ton	.38"	3.69"	2.01"	2.01"	8.78"	1.00	.61	5 lbs.



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SELECTING THE RIGHT CYLINDER & PUMP COMBINATION

A dot inside a square indicates there is sufficient oil in the pump to operate the cylinder to maximum extension. Although some pumps and cylinders are compatible, the useable oil capacity in both are so close that longer hoses (requiring more oil) that connect both components may prevent the pump from operating the cylinder to maximum extension.



	HYDRAULIC CYLINDERS (Page 30)																					
PUMPS (Page 32-33)	910010	910026A	910027A	910028A	910029A	910030	910045	910047	915006	925023	925024	925025A	925026B	925027A	930003	930008	950005	955019A	955065	955106	999000	999106
910017B		●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●			
910018B		●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●	
910019B		●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●	
910020		●	●	●	●	●	●	●	●	●		●	●		●		●		●			
910052A		●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●			
910130A		●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●	
910140		●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●	
910165		●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●	
925009A		●	●	●									●		●							
925010A		●	●	●	●	●	●	●	●	●		●	●		●		●		●			
925011		●	●	●	●	●	●	●	●	●		●	●		●		●		●			
925012A		●	●	●	●	●	●	●	●	●		●	●		●		●		●			
925013B		●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●			
925014	●															●				●		●



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STANDARD CAPACITY AIR / HYDRAULIC FOOT OPERATED PUMPS



910017B



910130A

SAFETY & PERFORMANCE FEATURES

- Designed to utilize exhaust air to help power the pump, requiring only 80 P.S.I. air pressure to develop 10,000 P.S.I. hydraulic pressure.
- Air exhaust muffler for quieter operation.
- Air and oil inlet filters for reduced risk of damage from contamination.
- Model 910017B is designed with durable light weight, corrosion resistant plastics.
- Foot pedal provides hands free pumping and release of load.
- Designed to be used with a single-acting cylinder.
- Internal pressure relief valve for overload protection.
- The model 910130A pump is equipped with a more durable aluminum reservoir.
- Both models 910130A comes with two different size poppit valves that can be quickly and easily installed. Poppit valves reduce the return flow of oil back to the pump's reservoir providing a safer controlled lowering of load.
- Items comply with ASME B30.1.

Model #	Oil Capacity	Air Pressure Range	Weight
910017B	127 in. ³	25-125 P.S.I.	14 lbs.
910130A	122 in. ³	40-170 P.S.I.	22 lbs.

HIGH CAPACITY AIR / HYDRAULIC FOOT OPERATED PUMPS



910018B



910140

SAFETY & PERFORMANCE FEATURES

- Designed to utilize exhaust air to help power the pump, requiring only 80 P.S.I. air pressure to develop 10,000 P.S.I. hydraulic pressure.
- Air exhaust muffler for quieter operation.
- Air and oil inlet filters for reduced risk of damage from contamination.
- Designed with durable light weight, corrosion resistant plastics.
- Foot pedal provides hands free pumping and release of load.
- Designed to be used with a single-acting cylinder.
- Internal pressure relief valve for overload protection.
- Model 910018B has two-gallon capacity steel reservoir body.
- The model 910140 pump is equipped with a thick wall aluminum extruded reservoir.
- Both models 910130A and 910140 come with two different size poppit valves that can be quickly and easily installed. Poppit valves reduce the return flow of oil back to the pump's reservoir providing a safer controlled lowering of load.
- Items comply with ASME B30.1.

Model #	Oil Capacity	Air Pressure Range	Weight
910018B	462 in. ³	25-125 P.S.I.	38 lbs.
910140	462 in. ³	40-170 P.S.I.	44 lbs.

10,000 P.S.I. CAPACITY AIR / HYDRAULIC HAND-OPERATED PUMP

910165



SAFETY & PERFORMANCE FEATURES

- Unique hand-operated control handle raises or lowers loads smoothly.
- Designed to utilize exhaust air to help power the pump, requiring only 80 P.S.I. air pressure to develop 10,000 P.S.I. hydraulic pressure.
- Air exhaust muffler for quieter operation.
- Air and oil inlet filters for reduced risk of damage from contamination.
- Designed with durable light weight, corrosion resistant aluminum.
- Foot pedal provides hands free pumping and release of load.
- Designed to be used with a single-acting cylinder.
- Internal pressure relief valve for overload protection.
- Complies with ASME B30.1.

Model #	Oil Capacity	Air Pressure Range	Weight
910165	97 in. ³	40-170 P.S.I.	17 lbs.

3,250 P.S.I CAPACITY AIR / HYDRAULIC HAND PUMP

910020



SAFETY & PERFORMANCE FEATURES

- Steel reservoir body.
- Operates in all positions for increased versatility in use and mounting.
- Air exhaust muffler for quieter operation.
- Air and oil inlet filters for reduced risk of damage from contamination.
- Designed with durable light weight, corrosion resistant plastics.
- Manually activated push button for pumping and a lever for release of load.
- Designed to be used with a single-acting cylinder.
- Internal pressure relief valve for overload protection.
- Complies with ASME B30.1.

Model #	Oil Capacity	Air Pressure Range	Weight
910020	36 in. ³	60-120 P.S.I.	9 lbs.

SINGLE SPEED HAND PUMPS

925009A



925010A

925012A

SAFETY & PERFORMANCE FEATURES

- 925009A and 925010A are steel hand pumps.
- 925012A is made of a durable glass-filled nylon reservoir and nylon encapsulated aluminum pump base for maximum corrosion resistance and lightweight handling.
- 3/8 NPT hose connection on all pumps.
- Internal pressure relief valves for overload protection.
- External load release valve for single-acting cylinder operation.
- Items comply with ASME B30.1.

Model #	Oil Capacity	Hydraulic Pressure Rating	Reservoir Construction	Weight
925009A	18 in. ³	2,850 P.S.I.	Steel	11 lbs.
925010A	40 in. ³	10,000 P.S.I.	Steel	13 lbs.
925012A	55 in. ³	10,000 P.S.I.	Fiberglass / Nylon	9 lbs.

10,000 P.S.I. CAPACITY "Z" SERIES ELECTRO / HYDRAULIC PUMP



910019B

SAFETY & PERFORMANCE FEATURES

- Two-speed design reduces cycle times for improved productivity.
- Single-phase 115 VAC, 1 hp induction motor will start at full load and stand up to continuous duty applications. Requires a steady power supply.
- LCD display provides a number of diagnostic and readout capabilities.
- Manual advance/retract valve control for single-acting cylinders.
- 10 foot pendant controls the motor operation.
- Complies with ASME B30.1.

Model #	Oil Capacity	Pressure Rating	Weight
910019B	462 in. ³	450 / 10,000 P.S.I.	73 lbs.

TWO-SPEED HAND PUMPS



925011

925013B

925014

SAFETY & PERFORMANCE FEATURES

- 923013B is made of steel.
- 925011 and 925014 are made of a durable glass-filled nylon reservoir and nylon encapsulated aluminum pump base for maximum corrosion resistance and lightweight handling.
- Two-speed pump operation on models reduces handle strokes by as much as 78% over single speed pumps reducing operator fatigue.
- Handle lock for easy carrying.
- Non-conductive fiberglass handle for operator safety.
- Integral 4-way valve on the model 925014 for operation of double-acting cylinders.
- Items comply with ASME B30.1.

Model #	Oil Capacity	Hydraulic Pressure Rating	Reservoir Construction	Weight
925011	55 in. ³	200 / 10,000 P.S.I.	Fiberglass / Nylon	9 lbs.
925013B	134 in. ³	350 / 10,000 P.S.I.	Steel	24 lbs.
925014	155 in. ³	400 / 10,000 P.S.I.	Fiberglass / Nylon	22 lbs.

10,000 P.S.I. CAPACITY ELECTRO / HYDRAULIC PUMP



910052A

SAFETY & PERFORMANCE FEATURES

- Two-speed motor design with 3-way 2-position valve for use with single-acting cylinders.
- Lightweight and compact design.
- High strength molded shroud with integral easy-carry handle protects motor from contamination.
- 115 VAC, 1/2 hp motor operates on voltages as low as 60 volts.
- 10 foot pendant for operator safety.
- Complies with ASME B30.1.

Model #	Oil Capacity	Pressure Rating	Weight
910052A	238 in. ³	200 / 10,000 P.S.I.	31 lbs.



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HOSES & COUPLERS

SAFETY & PERFORMANCE FEATURES

- Heavy duty rubber hoses rated at 10,000 P.S.I. meet U-100 specifications. Hoses are rubber coated with 2 layers of braided steel and offer flexibility with little memory. Strain relief type fittings are crimped on for improved life and durability.
- Quick connect 3/8" high flow couplers allow fast set-up of hydraulic systems. All couplers include two-in-one dust cap for use on male and female coupler halves.



Model #	Description	Capacity	Hose or Coupler I.D.	Connection	Weight
910035A	6.5' Long Hose	10,000 P.S.I.	.375"	.375 NPT Male Both Ends	4.5 lbs.
910036A	10' Long Hose	10,000 P.S.I.	.375"	.375 NPT Male Both Ends	7 lbs.
910037A	Coupler, Hose Half	10,000 P.S.I.	.375"	.375 NPT Male End	1 lbs.
910038A	Coupler, Cylinder Half	10,000 P.S.I.	.375"	.375 NPT Female End	1 lbs.

BASES, SADDLES, & ATTACHMENTS

MODEL 910043A & 925142A

Heavy duty bases provide firmer and more stable footing for cylinders.

MODEL 910044A & 925143A

Threaded male connectors adapt bases to the cylinders.

MODEL 910046A & 925141A

Grooved saddles protect the cylinder ends and provide a better gripping surface.

MODEL 910048 & 925148

Threaded adapters screw into the tops of the cylinders and provide a threaded connection for other attachments.

MODEL 910039 & 925045

Base attachments are bolted to the bottom of the cylinders and are internally threaded to receive other attachments.



Model #	Description	Capacity	For Use on Cylinders	Connection (NPT)	Weight
910043A	3.5" x 6.5" Base	5 Ton	10 Ton Capacity	1.25 x 11.5 Female	3.5 lbs.
925142A	6.5" Dia. Base	12-1/2 Ton	25 Ton Capacity	2 x 11.5 Female	9.5 lbs.
910044A	Male Connector	5 Ton	10 Ton Capacity	1.25 x 11.5 Male	0.5 lbs.
925143A	Male Connector	12-1/2 Ton	25 Ton Capacity	2 x 11.5 Male	4.5 lbs.
910046A	1.375" Dia. Grooved Saddle	10 Ton	10 & 15 Ton Cap.	—	0.5 lbs.
925141A	2" Dia. Grooved Saddle	25 Ton	25 Ton Capacity	—	0.5 lbs.
910048	Threaded Adapter	5 Ton	10 & 15 Ton Cap.	1.25 x 11.5 Male	1 lb.
925148	Threaded Adapter	12-1/2 Ton	25 Ton Capacity	2 x 11.5 Male	2.5 lbs.
910039	Base Attachment	5 Ton	10 Ton Capacity	1.25 x 11.5 Female	2 lbs.
925045	Base Attachment	12-1/2 Ton	25 Ton Capacity	2 x 11.5 Female	5.5 lbs.

FLOW CONTROL VALVE

MODEL 910100B

Manually adjusted fine metering valve rated at 10,000 P.S.I. that fits between the pump and cylinder. The valve controls the flow of oil returning to the reservoir when pressure is released. Valve includes 3/8" NPTF male and female connections. Weight: 1 lb.



CAUTION!

When cylinders are used with maintenance set attachments or components, the maximum system pressure must be limited to half the rated pressure (5,000 P.S.I.).



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DISTRIBUTION CENTERS



LIMITED LIFETIME WARRANTY

NORCO Professional Lifting Equipment's products and parts are warranted against defects in materials and workmanship for the life of the product or the part.

This warranty is expressly limited to persons who purchase NORCO products or parts for the purpose of resale or use in the ordinary course of the buyer's business.

This warranty does not cover any product or part that has been abused, misused, worn out, neglected, ground or otherwise altered, used for a purpose other than for which it was intended, or used in a manner inconsistent with any instructions regarding its use. In addition, this warranty does not cover any chains, batteries or electric motors, which are sold with NORCO products. All electric motors are separately warranted by their manufacturer under the conditions stated in the separate warranty.

THIS WARRANTY IS EXCLUSIVE AND NORCO MAKES NO OTHER WARRANTY OF ANY KIND WHATSOEVER, EXPRESS OR IMPLIED, WITH RESPECT TO THE SPECIFIED PRODUCTS OR PARTS MANUFACTURED AND/OR SOLD BY IT, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER MATTER. No agent, employee or representative of NORCO, or any other person, has authority to bind NORCO to any affirmation, representation or warranty concerning NORCO products or parts except as set forth herein.

If any NORCO product or part is determined by NORCO, in its sole judgment, to be defective, NORCO will, at its option, either repair or replace such defective product or part. THIS REMEDY SHALL BE THE EXCLUSIVE REMEDY AVAILABLE FOR ANY DEFECTIVE NORCO PRODUCT OR PART AND FOR ALL DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER, INCLUDING, WITHOUT LIMITATION, NORCO'S NEGLIGENCE. IN NO EVENT SHALL NORCO BE LIABLE TO ANY BUYER OR OTHER PERSON FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND OR NATURE WHATSOEVER, WHETHER FOR DEFECTIVE OR NONCONFORMING GOODS, OR UNDER ANY THEORY OF LIABILITY, INCLUDING, BUT NOT LIMITED TO, BREACH OF CONTRACT (EXPRESS OR IMPLIED), NEGLIGENCE, STRICT LIABILITY OR OTHERWISE. The purpose of this exclusive remedy shall be to provide the buyer with repair or replacement of NORCO products or parts determined by NORCO to be defective in material or workmanship. This exclusive remedy shall not be deemed to have failed of its essential purpose so long as NORCO is willing and able to repair or replace said defective product or part in the prescribed manner.

