PROFESSIONAL LIFTING EQUIPMENT

QUALITY  SAFETY  PERFORMANCE
WHY SHOULD YOU CHOOSE NORCO?

- Exceptional Customer Service
- Innovative Products
- Availability
- Durability
- Quality
- Best Value
- Knowledgeable Sales Team

SUPPLY CHAIN EXPERTISE
NORCO has four distribution centers, strategically located around the USA, to speed delivery to our customers and to their customers’ job sites!

QUALITY YOU CAN COUNT ON
Our products are tested to meet the toughest industry standards. Our NORCO Limited Lifetime Warranty is a testimony to our commitment to offering the best quality and performance anywhere.

DESIGNING INNOVATIVE SOLUTIONS
NORCO designs and delivers many vehicle specific adapters for automobile and truck manufacturers. These unique tools save time when removing and installing parts, while enhancing technician safety. We also offer a wide array of dealership-friendly tools that won’t mark tile or epoxy shop floors. NORCO works for innovative and cost-effective “win-win” solutions to problems.

NORCO DESIGNED & PATENTED PRODUCTS
While some of our products are made in the USA, some are assembled in the USA, and many are imported, one thing is certain: We provide products that we’ve designed to meet technician needs. Whether it is our US patented one pump to the load floor jacks, rolling lift bridge or underhoist transmission jacks, you can count on NORCO to provide you with a unique, time-saving tool for your shop needs.
COMAPNY 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!
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 new “Assembled in the USA” logo next to a NORCO product, you can be assured that it has at least 51% USA content as required by the Buy American Act and Federal Acquisition Regulation (FAR).

“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.
FEATURES
• 50” long “T” handle helps in positioning jack under vehicles with low overhang.
• The load release on the top mounted “T” handle allows operation in any handle position.
• Handle locking lever secures handle in either vertical, horizontal or 45 degree position.
• Compact design fits easily between tandem wheels.
• Rust inhibitive coating on ram and extension screw offers longer life.
• Large diameter wheels make maneuverability easy.
• Self-retracting ram eliminates manual lowering of jack.
• Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
• Integrated filter protects air motor.
• Fast lifting air motor.
• Three removable 2” diameter saddles with handle mounted saddle holder; 3/4”, 2-1/4” and 4” in height.

AMERICA’S FASTEST AND MOST DURABLE AXLE JACK!

INTENDED USE
Ideal for heavy duty truck, agricultural and heavy construction equipment.

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT (Low, High)</th>
<th>STROKE</th>
<th>SCREW EXTENSION</th>
<th>OVERALL DIMENSIONS (Length, Width)</th>
<th>P.S.I. RANGE</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>72200D</td>
<td>22 Ton</td>
<td>9” 22”</td>
<td>4.75”</td>
<td>4.25”</td>
<td>20” 13”</td>
<td>85-145</td>
<td>115 lbs.</td>
</tr>
</tbody>
</table>

AIR OPERATED HYDRAULIC JACKS

FEATURES
• Its light weight makes it perfect for mobile repair service.
• Long handle with 36-1/2” reach helps in positioning jack under vehicles with low overhang.
• May be stored in a vertical position.
• Compact design fits easily between tandem wheels.
• Parkerized coating on pump piston, extension screw and 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.
• 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.
• Convenient push button air valve connected to an in-line filter prohibits contaminants from entering the air/hydraulic system.

ITS LIGHT WEIGHT MAKES IT PERFECT FOR MOBILE REPAIR SERVICE!

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT (Low, High)</th>
<th>STROKE</th>
<th>SCREW EXTENSION</th>
<th>BASE SIZE (Height)</th>
<th>P.S.I. RANGE</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>72080A</td>
<td>20 Ton</td>
<td>11.125” 28.625”</td>
<td>6.75”</td>
<td>2.75”</td>
<td>9.25” x 17.25”</td>
<td>100-130</td>
<td>70 lbs.</td>
</tr>
<tr>
<td>72090A</td>
<td>20 Ton</td>
<td>8.625” 22.75”</td>
<td>4.125”</td>
<td>2”</td>
<td>9.25” x 17.25”</td>
<td>100-130</td>
<td>63 lbs.</td>
</tr>
</tbody>
</table>
AIR / HYDRAULIC AXLE JACKS

**72212**
55 / 37 / 23 / 12
Ton Capacity

**72218**
33 / 20
Ton Capacity

**72225**
50 / 25
Ton Capacity

**INTENDED USE**
Heavy duty truck, rail, bus, agriculture and construction equipment applications.

**FEATURES**
- 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.
- Overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
- 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.
- Safety button at the top of the handle can be pushed in to immediately stop the jack operation in case of emergency.
- Models 72212 and 72225 include a removable 2-3/4” diameter saddle, 2-9/16” and 5-7/8” long extensions with extension holder. Model 72218 includes 2” and 3-15/16” stackable extensions with extension holder.
- Model 72244 includes a removable 2-3/4” diameter saddle, 2” and 4” long stackable extensions and extension holder.

**OVERALL DIMENSIONS**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>LIFT HEIGHT</th>
<th>OVERALL DIMENSIONS</th>
<th>PISTON STROKE</th>
<th>HANDLE LENGTH</th>
<th>P.S.I. RANGE</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>72212</td>
<td></td>
<td>6”</td>
<td>15.375”</td>
<td>6”</td>
<td>12”</td>
<td>16”</td>
</tr>
<tr>
<td>72218</td>
<td></td>
<td>6”</td>
<td>15.375”</td>
<td>6”</td>
<td>12”</td>
<td>16”</td>
</tr>
<tr>
<td>72225</td>
<td></td>
<td>8.75”</td>
<td>16.5”</td>
<td>8.75”</td>
<td>16.5”</td>
<td>6.125”</td>
</tr>
<tr>
<td>72244</td>
<td></td>
<td>9.25”</td>
<td>15.625”</td>
<td>9.25”</td>
<td>15.625”</td>
<td>21.625”</td>
</tr>
</tbody>
</table>

**INTENDED USE**
Heavy duty truck, agricultural and heavy construction equipment.
Ideal for loaded truck and trailer roadside service calls. Heavy enough for rail and bus work.

**TIGHTER TOLERANCES, BETTER FINISHES, HIGHEST QUALITY!**
FEATURES
• Chromed ram and dust seals prevent hydraulic contamination.
• Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
• Air pump models can also be operated manually.
• All models except for the 72230A include the FASTJACK® feature which raises the jack’s lifting saddle to the load with one pump of the “T” handle.
• Locking release lever secures handle in the vertical, 45 degree or horizontal position to lower the load on all models.

HIGHEST 5 TON LIFT HEIGHT ON THE MARKET!

5 TON

5 Ton Capacity

10 TON

10 Ton Capacity

20 TON

20 Ton Capacity

MODEL NUMBER  CAPACITY  LIFT HEIGHT  OVERALL DIMENSIONS  HANDLE LENGTH  SHIPPING WEIGHT

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.

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.

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 the same basic construction as models pictured.
FLOOR SERVICE JACKS

**71202A FASTJACK**

2 Ton Capacity Floor Jack

**INTENDED USE**
A heavy-duty professional quality floor jack designed for a variety of automotive shop uses including the day to day rigors of the tire changing industry.

**FEATURES**
- Fast acting pump raises jack to maximum height in 10-1/2 incremental pump strokes. Not only lifts fast to the load but lifts load fast.
- Angular pump piston provides efficient stroke no matter how far under the vehicle the jack is positioned.
- Patented air valve and oil passage design keep air pressure equalized in multiple oil cavities in hydraulic block to help maximize pumping efficiency.
- Nylon front and rear wheels to protect sealed floor surfaces and dealer showrooms.
- Thick steel side plates provide increased frame strength.
- 49” two-piece handle for easy shipping and storage.
- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.

**U.S. PATENT NO. 7,036,796**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT</th>
<th>OVERALL DIMENSIONS</th>
<th>HANDLE LENGTH</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>71202A</td>
<td>2 Ton</td>
<td>3.5&quot; 20.375&quot;</td>
<td>28.75&quot; 15.25&quot;</td>
<td>49&quot;</td>
<td>102 lbs.</td>
</tr>
</tbody>
</table>

**71228** Steel Wheel Kit
Fits model 71202A
Weight: 10 lbs.

**71226** Handle Protector Kit
Fits models 71202A, 71233A & 71335
Weight: 1 lb.

**71233A**

2 Ton Capacity Double Pump Floor Jack

**INTENDED USE**
An economical floor jack designed for a variety of automotive shop uses where strength, speed, and dependability are required.

**FEATURES**
- Extremely low 2-3/4” low lift height.
- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
- Heavy duty chassis for added strength and dependability.
- 50.25” long two-piece handle for easy shipping and storage.
- Foam handle sleeve is included to protect vehicles from damage.
- Dual pump piston design raises the jack to maximum height in 8-1/2 pump strokes.
- U-joint release mechanism for more control.

**MODEL NUMBER** | **CAPACITY** | **LIFT HEIGHT** | **OVERALL DIMENSIONS** | **HANDLE LENGTH** | **SHIPPING WEIGHT** |
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>71233A</td>
<td>2 Ton</td>
<td>2.75&quot; 20&quot;</td>
<td>27.875&quot; 14.625&quot;</td>
<td>50.25&quot;</td>
<td>88 lbs.</td>
</tr>
</tbody>
</table>
FEATURES
• Thick aluminum side plates.
• 48" long two-piece handle with foam handle sleeve.
• Heavy duty aluminum front and rear wheels.
• Two-speed pump piston raises the saddle to the load quickly.
• Two grab handles provide more convenient lifting of the jack.
• Steel lift saddle for greater durability and strength.
• High lift height may be increased by 3” with optional model 71303 extension adapter.
• Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.

FEATURES
• Steel hydraulic block construction includes a double pump piston design that quickly raises the jack to the maximum height.
• 50” long, two piece handle with knurled hand grip and foam handle sleeve provides:
  - Ease of pumping.
  - Longer reach for positioning under overhang.
  - Ease for transportation and storage.
  - Ease of pumping in tight quarters when second handle section is removed.
• 4” low and 21-3/8” maximum lift heights (without saddle adapter).
• 7” low and 24-3/8” maximum lift heights (with saddle adapter).
• Heavy-duty chassis for added strength and dependability.
• Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
• Also available is our unique 3” saddle extension adapter (Model 71303). Its patented design has been created to quickly lift the load. Since most SUVs 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

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT</th>
<th>OVERALL DIMENSIONS</th>
<th>HANDLE LENGTH</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>71335</td>
<td>3 Ton</td>
<td>3.75” 19”</td>
<td>26” 13.5” 48”</td>
<td>59 lbs.</td>
<td></td>
</tr>
</tbody>
</table>

INTENDED USE
A heavy-duty floor jack designed for a variety of automotive shop uses including the added capacity and maximum lift height required to handle most SUVs and 1 Ton+ service trucks.

3-1/2 Ton Capacity SUV & Service Truck Jack

U.S. PATENT NO. D683104 & 9,022,356

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT</th>
<th>OVERALL DIMENSIONS</th>
<th>HANDLE LENGTH</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>71335</td>
<td>3-1/2 Ton</td>
<td>4” 21.375”</td>
<td>28.5” 14.375” 50”</td>
<td>106 lbs.</td>
<td></td>
</tr>
</tbody>
</table>

INTENDED USE
A lightweight floor jack designed for a variety of automotive shop uses. Ideal for roadside service calls.

3” Saddle Extension Adapter

U.S. PATENT NO. D683104 & 9,022,356

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT</th>
<th>OVERALL DIMENSIONS</th>
<th>HANDLE LENGTH</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>71330</td>
<td>3 Ton</td>
<td>4” 21.375”</td>
<td>28.5” 14.375” 50”</td>
<td>106 lbs.</td>
<td></td>
</tr>
</tbody>
</table>
**JACK STANDS**

**81004C & 81006D**

*Pairs of Stands 3 & 6 Ton Capacity (Each Stand)*

**INTENDED USE**
For automotive use where vehicle is to be supported before making repairs.

**81012**

*Pair of Stands 12 Ton Capacity (Each Stand)*

**INTENDED USE**
Fleet garages, agricultural and construction maintenance shops.

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**FEATURES**
- Unique spring loaded pawl provides constant locking pressure against lifting column.
- Four legged base with foot pads for added strength and a more secure footing on asphalt.
- Common machine bolt secures lifting column to stand and provides added strength when stand is continuously lifted and handled by the column.
- Recessed machine bolt secures lifting column to stand and 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.

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**ALL STANDS ARE INTENDED TO BE USED IN PAIRS.**

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**TRUCK RAMPS**

**82019**

**82020**

*Pair of Truck Ramps 20 Ton Capacity (10 Ton Each Ramp)*

**INTENDED USE**
Elevates front or rear of vehicle for access to frame and components. Particularly useful on vehicles with low profile or ground-effects.

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**FEATURES**
- 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.

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**NOTE:** Model not shown has same basic construction as model pictured.
**INTENDED USE**
- Low profile design in order to support forklifts and heavy machinery.

**Fleet and maintenance garages**
- Fleet garages, agricultural and construction maintenance shops where a pin type height adjustment column is desired.

**STANDS**

**5 Ton Capacity Pair of Stands**
- (5 Tons each stand)

**10 Ton Capacity Pair of Stands**
- (10 Tons each stand)

**25 Ton Capacity Pair of Stands**
- (25 Tons each stand)

**FEATURES**
- 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.
- 9” base secures and stabilizes load.

**NOTE:**
- Models not shown have same basic construction as model pictured. Import models differ slightly from models made in U.S.A.

**IMPORT 81205i**
- (5 TON)

**IMPORT 81208i**
- (SHORT HEIGHT)
- (10 TONS each stand)

**IMPORT 81209i**
- (MID HEIGHT)
- (10 TONS each stand)

**IMPORT 81210i**
- (HIGH HEIGHT)
- (10 TONS each stand)

**IMPORT 81225i**
- (25 TONS each stand)

**USA OR IMPORT. YOUR CHOICE!**

**Shelf Model Number**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Capacity (Each Stand)</th>
<th>Height (Low)</th>
<th>Height (High)</th>
<th>Height Intervals</th>
<th>Base Size</th>
<th>Saddle Size</th>
<th>Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>81205</td>
<td>5 Ton</td>
<td>9.5”</td>
<td>15.75”</td>
<td>3 x 2”</td>
<td>9” x 9”</td>
<td>3” x 4.5”</td>
<td>38 lbs.</td>
</tr>
<tr>
<td>81208</td>
<td>10 Ton</td>
<td>10.5”</td>
<td>17”</td>
<td>4 x 1.5”</td>
<td>12.5” x 12.5”</td>
<td>3” x 5”</td>
<td>60 lbs.</td>
</tr>
<tr>
<td>81209</td>
<td>10 Ton</td>
<td>18.5”</td>
<td>30”</td>
<td>7 x 1.5”</td>
<td>17” x 17”</td>
<td>3” x 5”</td>
<td>80 lbs.</td>
</tr>
<tr>
<td>81210</td>
<td>10 Ton</td>
<td>28”</td>
<td>47”</td>
<td>10 x 2”</td>
<td>16” x 16”</td>
<td>3” x 5”</td>
<td>106 lbs.</td>
</tr>
<tr>
<td>81225</td>
<td>25 Ton</td>
<td>12”</td>
<td>20”</td>
<td>3 x 3”</td>
<td>10” x 10”</td>
<td>2.25” x 3.25”</td>
<td>65 lbs.</td>
</tr>
</tbody>
</table>

**81205 (shown) 81205i**
- (5 TON)

**81208 (shown) 81208i**
- (SHORT HEIGHT)

**81209 (shown) 81209i**
- (MID HEIGHT)

**81210 (shown) 81210i**
- (HIGH HEIGHT)

**81225 (shown) 81225i**
- (25 TON)

**ALL STANDS ARE INTENDED TO BE USED IN PAIRS.**

**FEATURES**
- 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.

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*NOTE:*
- Two pairs of stands are recommended for each application to provide stability and safety.

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**81205i**
- (5 TON)

**81208i**
- (SHORT HEIGHT)

**81209i**
- (MID HEIGHT)

**81210i**
- (HIGH HEIGHT)

**81225i**
- (25 TON)
TRAILER STABILIZING STAND & UNDER HOIST STANDS

**FEATURES (Models 81022A & 81022Ai)**
- Meets OSHA requirements for supporting trailers when loaded or unloaded.
- 14" diameter base provides maximum leveling stability.
- Quick adjust spin handle for ease of turning.
- Large diamond plate saddle to grip the load.
- 1-1/2" diameter, grade 5, heavy duty screw and nut provide maximum strength and fine adjustment.

**FEATURES (Model 81033A)**
- Lightweight, slender design makes handling easy, even in close quarters.
- Quick adjust spin handle with thrust bearing eliminates wear and provides ease of turning under load.
- Foot pedal (Model 81034A only) generates 1" additional stroke and 400 pounds of force at the saddle.
- Pedal may be locked in vertical position for storage or shipment.
- 1" diameter acme threaded screw has 6-1/2" of travel.

**FEATURES (Model 81035A)**
- An adjustment pin chained to the stand secures the support column at 6 different height positions.
- Quick adjust spin handle with thrust bearing eliminates wear and provides ease of turning under load.
- 1" diameter acme threaded screw has 6-1/2" of travel for fine adjustment.
- 5/8" thick rubber saddle pad.

**FEATURES (Model 81036A)**
- Foot activated pump and lowering pedals allow use of both hands to position components.
- Spring return lowering pedal automatically closes the release valve when foot is removed from pedal.
- 16" hydraulic travel.
- 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.

**INTENDED USE**
- To stabilize and assist in supporting the front or rear end of a loaded or unloaded tractorless trailer. Sold individually but generally used in pairs.

**INTENDED USE**
- 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.

**INTENDED USE**
- To assist in stabilizing and supporting a vehicle that is raised by an in-ground or above-ground lift. Should be used in pairs.

**INTENDED USE**
- For lifting and positioning exhaust systems, shock absorbers and MacPherson struts. Hydraulic power will assist in freeing frozen spring shackles, aligning wheels and steering gear adjustments.

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**81022A**
20 Ton Capacity
Trailer Stabilizing Stand

**81033A**
3/4 Ton Capacity

**81034A**
3/4 Ton Capacity
w/ Foot Pedal

**81035A**
1-1/2 Ton Capacity

**81036A**
1 Ton Capacity

### Model Number | Capacity  | Low Height | Extended Height | Base Size | Saddle Size | Shipping Weight |
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>81022A 81022Ai</td>
<td>20 Ton</td>
<td>39&quot;</td>
<td>50.625&quot;</td>
<td>14&quot; Dia.</td>
<td>4.5&quot; x 5&quot;</td>
<td>52 lbs.</td>
</tr>
<tr>
<td>81033A</td>
<td>3/4 Ton</td>
<td>55.25&quot;</td>
<td>81.5&quot;</td>
<td>12&quot; Dia.</td>
<td>1.625&quot; x 5.25&quot;</td>
<td>36 lbs.</td>
</tr>
<tr>
<td>81034A</td>
<td>3/4 Ton</td>
<td>55.25&quot;</td>
<td>81.5&quot;</td>
<td>12&quot; Dia.</td>
<td>1.625&quot; x 5.25&quot;</td>
<td>40 lbs.</td>
</tr>
<tr>
<td>81035A</td>
<td>1-1/2 Ton</td>
<td>48.875&quot;</td>
<td>85.375&quot;</td>
<td>12&quot; x 12&quot;</td>
<td>3.25&quot; x 3.25&quot;</td>
<td>48 lbs.</td>
</tr>
<tr>
<td>81036A</td>
<td>1 Ton</td>
<td>56.25&quot;</td>
<td>94.375&quot;</td>
<td>12&quot; Dia.</td>
<td>4&quot; x 6.25&quot;</td>
<td>51 lbs.</td>
</tr>
</tbody>
</table>
FEATURES

- Clutch/flywheel removal and installation becomes a one man job.
- Tilting saddle enables clutch to be 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.

FEATURES

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- Conveniently located release valve and 360 degree rotating pump handle allow jack to be operated in any work position.

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

300 Lbs. Capacity
Telescopic Under Hoist
Air / Hydraulic Clutch Jack

INTENDED USE
Designed for the removal, installation and transportation (in the lowered position) of 14” and 15-1/2” heavy duty clutches and flywheels on trucks that are raised by an in-ground or above-ground lift.

FLOOR CLUTCH JACK

300 Lbs. Capacity
Floor Type Hydraulic
Clutch Jack

INTENDED USE
To remove, install and transport (in the lowered position) both 14” and 15-1/2” heavy duty clutches and flywheels.

OPTIONAL EQUIPMENT
for models 72030B & 72035

- Flywheel Adapter
  Weight: 7 lbs.

- Eaton® Fuller® Solo®
  14 Spline Clutch Disc Tool
  Weight: 9 lbs.
UNDER HOIST TRANSMISSION JACKS FOR AUTOMOTIVE USE

**72500E**

Telescopic 1/2 Ton Capacity Single Pump Transmission Jack

**INTENDED USE**
Designed for the removal, installation and transportation (in the lowered position) of transmissions and transfer cases on passenger cars, vans and light trucks that are raised by an in-ground or above-ground lift.

**FEATURES**
- Fully adjustable universal saddle with hand adjustable corner brackets and safety chain.
- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- 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.
- 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.

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT</th>
<th>BASEDIMENSIONS</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>72500E</td>
<td>1/2 Ton</td>
<td>35”-72”</td>
<td>34” x 37”</td>
<td>176 lbs.</td>
</tr>
</tbody>
</table>

**THE WIDEST VARIETY OF TRANSMISSION JACKS ON THE MARKET**

**72550B**

Telescopic 1/2 Ton Capacity Double Pump Transmission Jack

**INTENDED USE**
Designed for the removal, installation and transportation (in the lowered position) of transmissions and transfer cases on passenger cars, vans and light trucks that are raised by an in-ground or above-ground lift.

**FEATURES**
- Fully adjustable universal saddle with hand adjustable corner brackets and safety chain.
- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- 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.
- Wide base with four easy rolling 4” diameter swivel ball bearing caster wheels, provides stability and easy maneuvering in its lowered position.
- Two times faster rising action as model 72500E with no load or a load up to 400 pounds.
- Same rising action as model 72500E for loads between 400 and 1,000 pounds.
- Polyurethane wheels provide protection for expensive tile and epoxy floors.

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT</th>
<th>BASEDIMENSIONS</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>72550B</td>
<td>1/2 Ton</td>
<td>35”-72”</td>
<td>34” x 37”</td>
<td>178 lbs.</td>
</tr>
</tbody>
</table>

**NOTE:** See optional adapters and saddles on pages 14-15.

U.S. PATENT NO. 5,975,496
(Double Pump Design)
FEATURES
• 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 hand adjustable corner brackets and safety chain.
• Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
• Two-stage flash chromed rams inhibit rust from entering hydraulic system.
• Wide base with four easy rolling 4” diameter polyurethane, swivel ball bearing carter 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.

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


SIMULTANEOUS OPERATION OF TWO-STAGE RAM FOR SPEEDY TRANSMISSION REPAIR

FEATURES
• 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 hand adjustable corner brackets and safety chain.
• Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
• Two-stage flash chromed rams inhibit rust from entering hydraulic system.
• Comes with a larger 10-1/4” x 15-1/8” saddle plate and four adjustable “L”-shaped locating bars.
• 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.
• The wheels, made from a phenolic resin, offer high impact resistance and are non-marking for protection of tile and epoxy floors.

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

FEATURES

• Handles automotive and light duty truck fuel tanks up to 40 gallon capacity. Tanks are to be emptied before handling.
• Four adjustable support risers with rubber pads protect the fuel tank and can be quickly positioned to fit many shapes and sizes.
• Includes two load restraint straps.

72525
Quick-Adjust Saddle
An optional saddle that replaces the 4 adjustable corner brackets found on the standard universal saddle. Weight: 19 lbs.

72531
Automotive to Heavy Duty Saddle Adapter
Allows any automotive adapter to be attached to any heavy duty under hoist transmission jack. Weight: 18 lbs.

72528
Ford 6R80 Adapter
For use on Ford 6R80 transmissions. Weight: 24 lbs.

72537
Chrysler 948 Adapter
Designed to enhance technician safety while dramatically reducing service time to remove and install the ZF9HP48 / 948TE transmissions. Weight: 20 lbs.

72529
Ford Diesel Exhaust Adapter

FEATURES

72508
Fuel Tank Saddle
An optional saddle adapter which is used in conjunction with a NORCO transmission jack to remove, install and transport (in the lowered position) automobile and light truck emptied fuel tanks and other undercar components. Weight: 37 lbs.

6R80 VEHICLE APPLICATIONS:
2008–2010 Ford Expedition
2008–2010 Lincoln Navigator
2008–2010 Ford Explorer
2007–2010 Ford Explorer Sport Trac
2008–2010 Mercury Mountaineer
2009–2012 Ford F-150
2011 Ford Territory (SZ-series TCDi model)
2011–2012 Ford Mustang V6, GT

This unique adapter allows any NORCO automotive transmission saddle adapter to be used with the NORCO heavy duty transmission jacks: 72700A or 72701A. This economical design can save a shop thousands of dollars by allowing one transmission jack to be used for both heavy duty truck and automotive applications.
For use with all NORCO floor and under hoist transmission jacks. Adapters include all attachment hardware and one ratchet strap.

**OPTIONAL ADAPTERS & SADDLES**

**72034**

*300 Lbs. Capacity Clutch Saddle*

An optional saddle adapter which is used in conjunction with model 72500, 72550, & 72450 under hoist transmission jacks. Weight: 22 lbs.

**72512**

*Ford 6F50 Adapter*

For use on Ford and Lincoln 6F50 and GM 4T60E transmissions. Weight: 25 lbs.

**72004**

*Ford 6R140 Adapter*

Weight: 32 lbs.

**72514**

*Mercedes 722 Adapter*

Weight: 12 lbs. Visit norcoindustries.com for more details.

**72513**

*Ford CDE4E Adapter*

Weight: 17 lbs. Visit norcoindustries.com for more details.

**72527**

*Ford 4F27E Adapter*

Weight: 15 lbs. Visit norcoindustries.com for more details.

**72533**

*DPF & Drive Shaft Installation Support Tool*

Allows for the safe and secure removal and installation of DPFs, Drive Shafts, and automotive transmissions up to 750 lbs. The bean bag eliminates the need for individual DPF transmission adapters. Weight: 51 lbs.

**72532**

*Ford DPS6 Adapter*

This transmission saddle works with any NORCO automotive under hoist transmission jack. It is designed to enhance technician safety while dramatically reducing service time to remove and install DPS6 transmissions. Weight: 15 lbs.

**72509**

*Ford 5R55W, 4R70W, 4X4N, AXOD Metric Adapter*

This one adapter can quickly and easily be adjusted to fit four different transmission configurations. Weight: 38 lbs.

**72507B**

*Ford E40D Truck & 4R100 4x4 Adapter*

**HYDRAULIC TRANSMISSION JACK**

**72050E**

**1/2 Ton Capacity**

**INTENDED USE**
For removal and installation of automobile and light truck transmissions or differentials.

**FEATURES**
- Fully adjustable saddle with adjustable angle brackets to position the transmission.
- 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 caster wheels for easy positioning.
- Wide chassis for efficient load distribution and stability.

**INTENDED USE**
Same as the model 72000E but with a wider chassis opening plus a broader lift range to handle a larger variety of transmission configurations.

**FEATURES**
- Fully adjustable universal saddle with adjustable corner brackets and safety chain.
- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- 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.
- Wide chassis for efficient load distribution and stability.

### MODEL NUMBERS

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT</th>
<th>OVERALL DIMENSIONS</th>
<th>SADDLE SIZE</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>72050E</td>
<td>1/2 Ton</td>
<td>Low 32.125”</td>
<td>Length 36” Width 26.5”</td>
<td>7.125” x 8.125”</td>
<td>152 lbs.</td>
</tr>
</tbody>
</table>

**NOTE:** See optional adapters and saddles on pages 14-15.

**72025**

**1 1/2 Ton Capacity**

**INTENDED USE**
Same as the model 72000E but with a wider chassis opening plus a broader lift range to handle a larger variety of transmission configurations.

**FEATURES**
- Fully adjustable saddle with adjustable angle brackets to position the transmission.
- 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.

### MODEL NUMBERS

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT</th>
<th>OVERALL DIMENSIONS</th>
<th>SADDLE SIZE</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>72025</td>
<td>1 1/2 Ton</td>
<td>Low 32.75”</td>
<td>Length 43.25” Width 32.75” Height 12”</td>
<td>18.25” x 15.25”</td>
<td>414 lbs.</td>
</tr>
</tbody>
</table>
TRUCK TRANSMISSION JACKS

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.
- Fully adjustable universal saddle with adjustable arms to position the transmission.
- Heavy duty chain with convenient chain tensioner secures load to the 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 4" diameter full-swivel ball bearing caster wheels for easy positioning.

INTENDED USE

For heavy truck transmissions. Ideally suited for truck dealers, maintenance and heavy duty transmission repair centers.

Differential Adapter

Used with models 72000E, 72000Ei, 72700A and 72701A jacks only. Adapter fits most differentials and replaces the universal saddle when used. Weight: 29 lbs.

Security Ratchet Straps

Used to secure the load on any NORCO transmission jack. Rubberized coating on hooks. Weight: 5 lbs.

Fuller® Eaton® Roadranger® Adapter

Used with model 72000E & 72000Ei jacks only. Weight: 21 lbs.

OVERALL DIMENSIONS

72000E 72000Ei
Length Width
45" 28"
310 lbs.

SHIPPING WEIGHT

310 lbs.

NOTE:

Model not shown has same basic construction as model pictured. Import model differs slightly from model made in U.S.A.
UNDER HOIST TRUCK TRANSMISSION JACKS

MODEL NUMBER: 72700A

1 Ton Capacity

INTENDED USE
Designed for the removal, installation and transportation (in the lowered position) of heavy duty truck transmissions that are raised by an in-ground or above-ground lift.

FEATURES
- Fully adjustable universal saddle with adjustable corner brackets and safety chain.
- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- 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.
- Wide base with four 3-7/8” diameter heavy duty swivel ball bearing caster wheels provides stability and easy maneuvering.


MODEL NUMBER: 72701A

1 Ton Capacity

Air / Hydraulic

INTENDED USE
Same as the model 72700A but with the added convenience of an air/hydraulic foot pump.

FEATURES
- 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.
- Safety overload system prevents jack from being used beyond the ASME/PASE load-limiting standard.
- Heavy duty chain with convenient chain tensioner secures load to saddle.
- 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.


MODEL NUMBER: 72700A

1 Ton Capacity

LIFT HEIGHT
Low: 45.75”
High: 74.25”

BASE DIMENSIONS
38” x 38”

SHIPPING WEIGHT
292 lbs.

MODEL NUMBER: 72701A

1 Ton Capacity

LIFT HEIGHT
Low: 41.25”
High: 69.375”

BASE DIMENSIONS
37.5” x 38”

SHIPPING WEIGHT
273 lbs.
HEAVIEST-DUTY POWERTRAIN LIFTS AVAILABLE

FEATURES
• Fingertip control for both pressure and release operations provides finer control of raising or lowering loads.
• Safety overload system in the air/hydraulic pump prevents jack from being used beyond the load-limiting standard.
• The pump can be removed from its holder and placed closer to the lift saddle, leaving hands free to accurately position the load.
• Fully adjustable saddle with two ratchet tie-downs secure the load to the saddle.
• Four easy rolling caster wheels (locking rear caster wheels) provides stability and easy maneuvering in its lowered position.
• The wheels, made from a phenolic resin, offer high impact resistance and are non-marking for protection of tile and epoxy floors.
• The optional model 72508 Fuel Tank Saddle Adapter (page 14) can be quickly and easily installed.

1,250 Lbs. Capacity
72674
INTENDED USE
The powertrain lift/table not only handles transmissions and fuel tanks, but also engines and transaxles, rear ends and leaf springs. Also serves as a work table where the components can be lowered to a stable and secure work height for repair.

2,500 Lbs. Capacity
72850A
INTENDED USE
This lift/table handles powertrain components like engines and their transmissions, engines with transaxle assemblies, rear ends and large electric vehicle batteries. It will also serve as a work table where components can be lowered to a convenient work height for repairs.

FEATURES
• An air/hydraulic foot pump includes a metered valve for safe lowering of the load.
• Safety overload system in the air/hydraulic pump prevents jack from being used beyond the 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.

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY @100 P.S.I.</th>
<th>LIFT HEIGHT Low</th>
<th>LIFT HEIGHT High</th>
<th>OVERALL DIMENSIONS Length</th>
<th>OVERALL DIMENSIONS Width</th>
<th>OVERALL DIMENSIONS Height</th>
<th>TABLE SIZE</th>
<th>SADDLE TILT Fwd. Back Side</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>72674</td>
<td>1,250 lbs.</td>
<td>25.5”</td>
<td>65”</td>
<td>57”</td>
<td>42.75”</td>
<td>44.5”</td>
<td>20.25” x 32.25”</td>
<td>22”</td>
<td>22” ±17”</td>
</tr>
<tr>
<td>72850A</td>
<td>2,500 lbs.</td>
<td>31”</td>
<td>78”</td>
<td>50”</td>
<td>33”</td>
<td>35”</td>
<td>19” x 36”</td>
<td>15”</td>
<td>15” ±15”</td>
</tr>
</tbody>
</table>
**HIGH LIFT WHEEL DOLLIES**

**1/2 Ton Capacity**

**INTENDED USE**
For the removal and installation of single, tandem and duplex tires and wheels which are mounted on trucks that are supported above ground level.

**FEATURES**
- Heavy duty lift arms made with ball bearing conveyer rollers which allow easy rotation of wheels for alignment with bolt pattern.
- 7-1/2” of side to side lift arm adjustment eliminates the trial and error method of aligning the rim’s lug holes with the wheel drum.
- A 1,500 pound capacity heavy duty winch with 5 to 1 gear ratio provides ease of operation.
- The winch gear design acts as a brake and allows the load to be lowered incrementally if desired and without the need for constant hand pressure against the crank handle.
- A hydraulic jack tilts the lift arms to match the angle of the spindle.
- Safety chain provided to secure tires and wheels to the dolly.
- Maneuverability is made easy by means of two rear mounted ball bearing caster wheels. The caster wheels include a locking mechanism which can prevent the dolly from moving.

---

**82302B**

**OVERALL DIMENSIONS**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT</th>
<th>LIFT ARMS</th>
<th>SIDE to SIDE ADJ.</th>
<th>OVERALL DIMENSIONS</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/2 Ton</td>
<td>3&quot;</td>
<td>24.25&quot;</td>
<td>21&quot; 2° to +30°</td>
<td>45,75&quot; 43.75&quot; 62&quot;</td>
<td>315 lbs.</td>
</tr>
</tbody>
</table>

---

**82304**

**OVERALL DIMENSIONS**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT</th>
<th>LIFT ARMS</th>
<th>SIDE to SIDE ADJ.</th>
<th>OVERALL DIMENSIONS</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/2 Ton</td>
<td>2.125&quot;</td>
<td>39.5&quot;</td>
<td>22.125&quot; -2&quot; to +30°</td>
<td>49,625&quot; 44.625&quot; 69.875&quot;</td>
<td>476 lbs.</td>
</tr>
</tbody>
</table>
FEATURES
• Rear swivel caster wheel and rigid front wheels provide positive steering for the model 82300D. Swivel caster wheels both fore and aft provide side maneuverability for the model 82301D.
• 4” wheels with polyurethane tread protect floor.
• 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.
• Safety chain included to secure wheel assembly to dolly during removal and transport.

FEATURES
• Dolly handles any tire diameter and up to 1,500 lbs. combined tire and wheel weight.
• 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.

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.

THE MOST ECONOMICAL TIRE LEVER

OVERALL DIMENSIONS

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT TRAVEL</th>
<th>OVERALL DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>82300D</td>
<td>1 Ton</td>
<td>7.5&quot;</td>
<td>Length 50.5&quot;, Width 44.5&quot;, Height 39&quot;</td>
</tr>
<tr>
<td>82301D</td>
<td>1 Ton</td>
<td>7.5&quot;</td>
<td>Length 50.5&quot;, Width 44.5&quot;, Height 39&quot;</td>
</tr>
</tbody>
</table>

SHIPPING WEIGHT

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT TRAVEL</th>
<th>OVERALL DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>82300D</td>
<td>1 Ton</td>
<td>7.5&quot;</td>
<td>Length 50.5&quot;, Width 44.5&quot;, Height 39&quot;</td>
</tr>
<tr>
<td>82301D</td>
<td>1 Ton</td>
<td>7.5&quot;</td>
<td>Length 50.5&quot;, Width 44.5&quot;, Height 39&quot;</td>
</tr>
</tbody>
</table>

OVERALL DIMENSIONS

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT TRAVEL</th>
<th>LIFT ARMS</th>
<th>OVERALL DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>82320</td>
<td>3/4 Ton</td>
<td>4.75&quot;</td>
<td>26&quot;</td>
<td>Length 43.5&quot;, Width 39.5&quot;, Height 35&quot;</td>
</tr>
</tbody>
</table>

SHIPPING WEIGHT

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT TRAVEL</th>
<th>OVERALL DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>82320</td>
<td>3/4 Ton</td>
<td>4.75&quot;</td>
<td>Length 43.5&quot;, Width 39.5&quot;, Height 35&quot;</td>
</tr>
</tbody>
</table>

OVERALL DIMENSIONS

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>HANDLES TIRES</th>
<th>OVERALL DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>82310</td>
<td>24&quot; - 36&quot;</td>
<td>Length 42.5&quot;, Width 24.75&quot;, Shipping Weight 19 lbs.</td>
</tr>
<tr>
<td>82312</td>
<td>36&quot; - 48&quot;</td>
<td>Length 41&quot;, Width 32&quot;, Shipping Weight 22 lbs.</td>
</tr>
</tbody>
</table>
FEATURES

• 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.
• Universal adapter included.
• Optional adapters available.

INTENDED USE
For safe handling and positioning of most diesel engines.

Optional Engine and Transmission Mounting Adapters

Visit www.norcoindustries.com for more information.
**ENGINE STANDS**

**2,000 Lbs. Capacity Engine Stand**

**INTENDED USE**
A twin-post design capable of handling large automotive engines and small diesel engines ranging between 1,250 and 2,000 pounds.

**FEATURES**
- 50:1 ratio gearbox activated by hand crank easily turns the 360 degree rotating head to the desired work position.
- 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.
- 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.

**Optional Engine Mounting Adapters (For model 78200A)**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>78201</td>
<td>Ford 6.0L and 6.4L Engine Adapter</td>
<td>31 lbs.</td>
</tr>
<tr>
<td>78202</td>
<td>Ford 6.2L Engine Adapter</td>
<td>37 lbs.</td>
</tr>
<tr>
<td>78203A</td>
<td>Ford 6.7L Engine Adapter</td>
<td>37 lbs.</td>
</tr>
<tr>
<td>78207</td>
<td>Ford 3.2L Diesel Engine Adapter</td>
<td>37 lbs.</td>
</tr>
</tbody>
</table>

**Optional Engine Mounting Adapters**

**GEAR-DRIVEN 360° ROTATION MAKES FOR EASIER REPAIRS**

**1,250 Lbs. Capacity Engine Stand**

**INTENDED USE**
For safe handling and positioning of automotive engines weighing up to 1,250 pounds.

**FEATURES**
- 50:1 ratio gearbox activated by hand crank easily turns the 360 degree rotating head to the desired work position.
- 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.
- Polyurethane wheels provide protection for expensive tile and epoxy floors.
- Telescopic base locks into any one of four different positions to extend the length of the stand for added stability when required.

**ENGINE STANDS**

**78125A**

**Ford 6R60, 6R75, 6R80, 10R60 & 10R80 Transmission Adapter**

**INTENDED USE**
Rotating transmission adapter for use with model 78125A and 78200A engine stands. Weight: 30 lbs.

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>LENGTH</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>78125A</td>
<td>1,250 lbs.</td>
<td>42”</td>
<td>21.25”</td>
<td>40”</td>
<td>38.25” to 53.25”</td>
</tr>
<tr>
<td>78200A</td>
<td>2,000 lbs.</td>
<td>42”</td>
<td>21.25”</td>
<td>40”</td>
<td>38.25” to 53.25”</td>
</tr>
</tbody>
</table>
### AUTOMOTIVE ENGINE STANDS

**1,000 Lbs. Capacity Engine Stand**

**INTENDED USE**
For safe handling and positioning of most automotive engines.

**Features**
- Fully adjustable engine mounting head.
- Long handle and 360 degree rotating head easily position engine.
- One bolt disassembles stand for transporting or storage.
- 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 Numbers**
- 78100
- 78100i

**Additional Features**
- Same as the models 78100 and 78100i but with upgraded wheels which include locking front caster wheels.
- Four bolts disassemble stand for transporting or storage.

**Transmission Adapter**

Replaces engine mounting fingers and converts engine stand into a transmission service stand.

**Weight:** 11 lbs.

**Model Numbers**
- 78109

---

**1,250 Lbs. Capacity Engine Stand**

**INTENDED USE**
Same as models 78100 and 78100i but with heavier construction to handle the largest V8s.

**Model Numbers**
- 78108
- 78108i

**Features**
- Fully adjustable engine mounting head.
- Long handle and 360 degree rotating head easily position engine.
- One bolt disassembles stand for transporting or storage.

**Transmission Adapter**

Replaces engine mounting fingers and converts engine stand into a transmission service stand.

**Weight:** 11 lbs.

**Model Numbers**
- 78109

---

### ENGINE LOAD LEVELERS

**1,500 Lbs. Capacity Engine Load Leveler**

**INTENDED USE**
Designed to attach to a crane to position automobile and light truck engines and other vehicle components.

**Features**
- 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.
- Can be used with NORCO Model 78106A Engine Crane.

**Model Numbers**
- 78115

**6,000 Lbs. Capacity Engine Load Leveler**

**INTENDED USE**
Designed to attach to a crane to position heavy duty truck engines and other vehicle components.

**Features**
- 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.
- Can be used with NORCO Model 78600B or 78605A Engine Cranes.
- 5/16” Alloy Grade 80 chain.
- Position of hooks adjusts from 32” to 48”.

**Model Numbers**
- 78606

---

### Engine Stands / Load Levelers

**Optional Equipment**

**78109**

Transmission Adapter replaces engine mounting fingers and converts engine stand into a transmission service stand.

**Weight:** 11 lbs.

---

**Increase Technician Safety by Leveling the Load**

**Engine Load Levelers**

**Model Numbers**
- 78115
- 78606
FEATURES

- 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.
- 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.

TRUCK CRANE

1/2 Ton Capacity Truck Crane

INTENDED USE
Same as the model 78106A but mounts in the bed of a truck or on a loading dock.

FLOOR CRANE

3 Ton Capacity Air / Hydraulic Floor Crane

INTENDED USE
For lifting heavy items including removal and installation of diesel engines and often their transmissions.

NOTE:
See information concerning air and electro/hydraulic pumps on page 39.

*Model not shown has same basic construction as model pictured.

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>BOOM CAPACITY @ LENGTH</th>
<th>BOOM HEIGHT</th>
<th>OVERALL DIMENSIONS</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>78106A</td>
<td>2,500 lbs. @ 43”</td>
<td>0° – 88°</td>
<td>70.75” 51.75” 74.5”</td>
<td>320 lbs.</td>
</tr>
<tr>
<td>78204A</td>
<td>1/2 Ton @ 46.25”</td>
<td>0° – 68.5”</td>
<td>64” 14” 46.25”</td>
<td>180 lbs.</td>
</tr>
<tr>
<td>78600B</td>
<td>3 Ton @ 65”</td>
<td>13” – 149.5”</td>
<td>90.5” 51” 75”</td>
<td>1,150 lbs.</td>
</tr>
<tr>
<td>78605A</td>
<td>2 Ton @ 81”</td>
<td>13” – 149.5”</td>
<td>90.5” 51” 75”</td>
<td>1,182 lbs.</td>
</tr>
</tbody>
</table>
**Forklift Jack**

**72036D**

4 Ton Capacity

**Intended Use**
A jack with a low enough profile to raise forklifts.

**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.

**Lift Height**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>72036D</td>
<td>4 Ton</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lift Height</th>
<th>Overall Dimensions</th>
<th>Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Saddle) Low</td>
<td>Length 30.25&quot;</td>
<td>77 lbs.</td>
</tr>
<tr>
<td>High</td>
<td>Width 8.375&quot;</td>
<td></td>
</tr>
<tr>
<td>(Cutout) Low</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Engine Support Tool**

**78099**

700 Lbs. Capacity

4-Point Engine Support Tool

**Intended Use**
The main transverse support bar mounts on the shock strut towers to support engines. Heavier engines can be supported by using one or both front support adapters on the transverse support bar. Weight: 52 Lbs.

**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.
NO TIRES? NO PROBLEM.

FEATUERS
- 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.

SMOOTH AND EASY OPERATION

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

MECHANICAL SCISSORS JACK

FEATUERS
- 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.
- Detachable handle for convenient storage.

OVERALL DIMENSIONS
- Length: 62.5"
- Width: 21"
- Height: 10.25" Low, 15.25" High
- Shipping Weight: 64 lbs.

BRake Drum Handler

INTENDED USE
- Designed for removing, installing and transporting outboard mounted brake drums and inboard mounted drums with disc wheel hubs.

HANdLES INBOArD AND OUTBOArD DRUms
2, 3, 5, 8, 12-1/2, 22, 35, & 60 Ton Capacity Bottle Jacks

**INTENDED USE**
For heavy duty truck, agriculture, construction, mining, mobile home, oil field, automotive, and marine applications where lifting, pushing, spreading, bending, pressing, or straightening are required.

**FEATURES**
- Two piece zinc plated handle.
- Prevent rust with “Parkerized” pump piston, ram and extension screw.
- No leak “Uniweld” construction.
- 50% safety overload factor.
- State-of-the-art design reduces repair time.
- 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.
- The heavy-duty extension screw and release valve were designed to eliminate parts and reduce the chance of breakage and excessive wear.
- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.

**ADDITIONAL FEATURES**

### 12-1/2 and 22 TON CAPACITY
- “G” models are designed with a removable plug so a gauge can be adapted to the jack. (See page 30 for model 78021 gauge.)

### 35 and 60 TON CAPACITY
- All other features excluding extension screw.

**LONG HAND JACK FEATURES**
- Same as bottle jack features but designed with larger hydraulic units and larger ram diameters to withstand side loads.
- Larger diameter pump pistons for faster rising action.
- “Parkerized” rams and flash chromed pump pistons inhibit rust.

---

**ADDITIONAL FEATURES**

**12-1/2 & 3 Ton Capacity Long Hand Jacks**

**INTENDED USE**
Various farm applications, but primarily used as original equipment for manufacturers of shop cranes, lift tables and any equipment requiring a long hydraulic stroke.

**FEATURES**
- Two piece zinc plated handle.
- Prevent rust with “Parkerized” pump piston, ram and extension screw.
- No leak “Uniweld” construction.
- 50% safety overload factor.
- State-of-the-art design reduces repair time.
- 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.
- The heavy-duty extension screw and release valve were designed to eliminate parts and reduce the chance of breakage and excessive wear.
- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.

---

**LONG HAND JACKS**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT</th>
<th>SCREW EXTENSION</th>
<th>BASE SIZE</th>
<th>CARRY HANDLE</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>76502B</td>
<td>2 Ton</td>
<td>7.13&quot;</td>
<td>14.5&quot;</td>
<td>4.94&quot;</td>
<td>2.44&quot;</td>
<td>3.5&quot; x 4.13&quot;</td>
</tr>
<tr>
<td>76503B</td>
<td>3 Ton</td>
<td>7.5&quot;</td>
<td>15.56&quot;</td>
<td>5.25&quot;</td>
<td>2.81&quot;</td>
<td>4&quot; x 4.56&quot;</td>
</tr>
<tr>
<td>76505B</td>
<td>5 Ton</td>
<td>9.06&quot;</td>
<td>18.88&quot;</td>
<td>6.69&quot;</td>
<td>3.13&quot;</td>
<td>4.88&quot; x 4.45&quot;</td>
</tr>
<tr>
<td>76508B</td>
<td>8 Ton</td>
<td>9.06&quot;</td>
<td>18.75&quot;</td>
<td>6.5&quot;</td>
<td>3.19&quot;</td>
<td>5.38&quot; x 5.13&quot;</td>
</tr>
<tr>
<td>76412B</td>
<td>12.5 Ton</td>
<td>9.45&quot;</td>
<td>18.9&quot;</td>
<td>5.91&quot;</td>
<td>3.54&quot;</td>
<td>5.51&quot; x 5.51&quot;</td>
</tr>
<tr>
<td>76412BG</td>
<td>12.5 Ton</td>
<td>9.45&quot;</td>
<td>18.9&quot;</td>
<td>5.91&quot;</td>
<td>3.54&quot;</td>
<td>5.51&quot; x 5.51&quot;</td>
</tr>
<tr>
<td>76512B</td>
<td>12.5 Ton</td>
<td>6.69&quot;</td>
<td>13.19&quot;</td>
<td>3.74&quot;</td>
<td>2.76&quot;</td>
<td>5.51&quot; x 5.51&quot;</td>
</tr>
<tr>
<td>76520B</td>
<td>22 Ton</td>
<td>10.83&quot;</td>
<td>20.2&quot;</td>
<td>6.61&quot;</td>
<td>2.76&quot;</td>
<td>6.57&quot; x 6.06&quot;</td>
</tr>
<tr>
<td>76520BG</td>
<td>22 Ton</td>
<td>10.83&quot;</td>
<td>20.2&quot;</td>
<td>6.61&quot;</td>
<td>2.76&quot;</td>
<td>6.57&quot; x 6.06&quot;</td>
</tr>
<tr>
<td>76820B</td>
<td>22 Ton</td>
<td>8.27&quot;</td>
<td>14.96&quot;</td>
<td>3.94&quot;</td>
<td>2.76&quot;</td>
<td>6.57&quot; x 6.06&quot;</td>
</tr>
<tr>
<td>76535</td>
<td>35 Ton</td>
<td>11&quot;</td>
<td>17.38&quot;</td>
<td>6.31&quot;</td>
<td>--</td>
<td>5.63&quot; x 7.56&quot;</td>
</tr>
<tr>
<td>76560</td>
<td>60 Ton</td>
<td>12&quot;</td>
<td>18.75&quot;</td>
<td>6.69&quot;</td>
<td>--</td>
<td>7.44&quot; x 9.31&quot;</td>
</tr>
</tbody>
</table>

**LONG HAND JACKS**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT</th>
<th>SCREW EXTENSION</th>
<th>BASE SIZE</th>
<th>CARRY HANDLE</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>76402B</td>
<td>1.5 Ton</td>
<td>22.6&quot;</td>
<td>41.9&quot;</td>
<td>19.3&quot;</td>
<td>--</td>
<td>4&quot; x 4.56&quot;</td>
</tr>
<tr>
<td>76403B</td>
<td>3 Ton</td>
<td>24&quot;</td>
<td>41.5&quot;</td>
<td>19.5&quot;</td>
<td>--</td>
<td>4.88&quot; x 4.45&quot;</td>
</tr>
</tbody>
</table>
FEATURES

- 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.
- Convenient push button air valve connected to an in-line filter prevents contaminates from entering the air/hydraulic system.
- Unique design allows for manual operation when air is not available.
- Two piece zinc plated handle.
- 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.
- Safety bypass and overload systems prevent cylinder damage and prevent the jack from being used beyond the ASME/PASE load-limiting standard.
- Carrying handle.

INTENDED USE

For use in heavy duty trucks, farm equipment, building construction, construction and mining equipment, mobile home set-up and oil field applications.

MORE QUALITY FEATURES IN A UNIQUE DESIGN

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>LIFT HEIGHT</th>
<th>STROKE</th>
<th>SCREW EXTENSION</th>
<th>BASE SIZE</th>
<th>P.S.I. RANGE</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>76312B</td>
<td>12 Ton</td>
<td>9.63&quot;</td>
<td>19.75&quot;</td>
<td>6&quot;</td>
<td>4&quot;</td>
<td>6.63&quot; x 8&quot;</td>
<td>100-130</td>
</tr>
<tr>
<td>76320B</td>
<td>20 Ton</td>
<td>10.88&quot;</td>
<td>20.5&quot;</td>
<td>6.75&quot;</td>
<td>2.75&quot;</td>
<td>6.44&quot; x 9&quot;</td>
<td>100-130</td>
</tr>
<tr>
<td>76720B</td>
<td>20 Ton</td>
<td>8.25&quot;</td>
<td>14.5&quot;</td>
<td>4&quot;</td>
<td>2.25&quot;</td>
<td>6.44&quot; x 9&quot;</td>
<td>100-130</td>
</tr>
<tr>
<td>76721A</td>
<td>20 Ton</td>
<td>7.75&quot;</td>
<td>11.75&quot;</td>
<td>4&quot;</td>
<td>N/A</td>
<td>6.44&quot; x 9&quot;</td>
<td>100-130</td>
</tr>
</tbody>
</table>

76312B
12 Ton Capacity
Standard Height

76320B
20 Ton Capacity
Standard Height

76720B
20 Ton Capacity
Low Height

76721A
20 Ton Capacity
Ultra Low Height

INTENDED USE

For use in heavy duty trucks, farm equipment, building construction, construction and mining equipment, mobile home set-up and oil field applications.

INTENDED USE

For use in heavy duty trucks, farm equipment, building construction, construction and mining equipment, mobile home set-up and oil field applications.

INTENDED USE

Made specifically for automobile haulers that use trailers that are very low to the ground. “Car haulers love our jacks!”
**FEATURES**

- 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.
- Optional equipment below can be used on model 78022E press. Model 78033 arbor plates and model 78032 bearing puller below can be used on model 78013B press.

**OPTIONAL EQUIPMENT:**

**78025**

Accessory Kit for 20, 22 & 25 Ton Capacity Shop Presses

Weight: 40 lbs.

- A. MODEL 78033 - Arbor Plates
- B. MODEL 78028 - "V" Pushing Adapter
- C. MODEL 78029 - 3/4" Diameter Ram
- D. MODEL 78031 - 1" Diameter Ram
- E. MODEL 78032 - Bearing Puller

**78024**

25 Ton Capacity Air / Hydraulic Pump Operated

**INTENDED USE**

Straightening, bending & pressing. Removing and installing gears, bearings and bushings.

### MODEL NUMBER | CAPACITY | RAM TRAVEL MIN. | THROAT HEIGHT MIN. | THROAT WIDTH | BED HEIGHT ADJUSTMENTS | BETWEEN UPRIGHTS | BETWEEN BED RAILS | BASE WIDTH | DEPTH | OVERAL HEIGHT | SHIPPING WEIGHT (Lbs.)
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
78013B | 12.5 Ton | 5.875" | 5" | 38.25" | 25" | 8 x 4.75" | 5" | 6" | 34" | 28" | 70.625" | 266
78022E | 22 Ton | 6.625" | 7.125" | 35.5" | 30" | 7 x 4.75" | 6" | 7" | 40" | 28" | 70.625" | 394
78024 | 25 Ton | 8" | 6.75" | 40" | 30.5" | 8 x 4.75" | 6" | 7" | 40" | 28" | 76.75" | 430

**WELDED FRAME MEANS NO ASSEMBLY REQUIRED**

**NOTES:**

- Model 78033 arbor plates can also be used on model 78022E press.
- Model 78032 bearing puller can also be used on model 78013B press.

**Arbor Plates**

A pair of 1" x 4" x 10" long steel plates with "V" cutout on one edge and circle cutout on the other. For 12, 12-1/2, 20, 22 & 25 ton capacity presses only. Weight: 28 lbs.

**Hydraulic Gauge w/ Fittings**

4" Diameter face designed to work with NORCO 12, 12-1/2, 20 & 22 ton presses. Weight: 2 lbs.

**NOTE:**

Model not shown has same basic construction as model pictured.
FEATURES
• Welded frame, fully assembled, tested, and ready to put to work.
• Safety overload system protects power unit.
• 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)  78058A  (50 TON)
78057A  (50 TON)  78078 (shown)  (50 TON)
78077  78110C  (100 TON)

NOTE:
Models not shown have same basic construction as model pictured. Individual photos and details on www.norcoindustries.com

OPTIONAL EQUIPMENT:
78060
Accessory Kit for 50 Ton Capacity Shop Presses
Weight: 147 lbs.

78111A
100 Ton Capacity Pair of Arbor Plates
used with model 78110C shop press. Weight: 153 lbs.

A. 78056A
50 Ton Capacity Pair of Arbor Plates
used with all 50 ton capacity presses. Weight: 108 lbs.

INCLUDES:
A. MODEL 78056A - Arbor Plates
B. MODEL 78059 - Threaded Adapter
C. MODEL 78061 - Ram Cap
D. MODEL 78062 - “V” Pushing Adapter
E. MODEL 78063 - 1” Diameter Ram
F. MODEL 78064 - 1-1/4” Diameter Ram
G. MODEL 78066 - Bearing Puller
H. MODEL 45100453 - Adapter

100 Ton Capacity Electro / Hydraulic Pump Operated

INTENDED USE
Heavy duty use in truck garages and industrial workshops.

NOTE: See page 39 for additional information on pumps.
**AIR LIFT JACK**

**IMPORT 82999Ai**

**10 Ton Capacity**

**FEATURES**
- Three-way heavy duty air valve provides fine control when lifting or lowering a vehicle.
- Automatic safety lock engages in 6 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.

**INTENDED USE**
Truck and farm equipment dealer garages, heavy duty construction repair shops and bus company garages.

**OVERALL DIMENSIONS**
- Length: 40.59"
- Width: 34.72"
- Height: 67.75"

**LIFT HEIGHT**
- Low: 12.83"
- High: 44.72"

**SHIPPING WEIGHT**
- 817 lbs.

**LONG REACH AIR LIFT JACK**

**82995**

**8-1/2 Ton Capacity**

**FEATURES**
- Three-way heavy duty air valve provides fine control when lifting or lowering a vehicle.
- Automatic safety lock engages in 5 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.

**INTENDED USE**
For truck, bus, farm equipment and motor home applications where a long reach jack is required to lift at the vehicle bumper, frame or front axle.

**OVERALL DIMENSIONS**
- Length: 80.5"
- Width: 38"
- Height: 53.75"

**SADDLE REACH**
- 50"

**SHIPPING WEIGHT**
- 935 lbs.
**PERFECT FOR LIFTING TRAILERS**

**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 and locating lugs.

**INTENDED USE**
Garages / repair shops of truck, farm equipment, construction equipment and bus companies. May be used in pairs. Ideal for crowded conditions that require single point contact.

---

**BEST FOR AG EQUIPMENT APPLICATIONS**

**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 and locating lugs.

**INTENDED USE**
Garages / repair shops of truck, farm equipment, construction equipment and bus companies. May be used in pairs. Ideal for crowded conditions that require single point contact.
PORTABLE MID-RISE LIFT

### 79324G
3 Ton Capacity Air / Hydraulic Pump Operated Rolling Lift Bridge

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

**INTENDED USE**
Used in quick lube pit applications or in conjunction with above ground lifts. The bridge straddles the lift rails and raises the vehicle’s tires off the rails for wheel alignment, brake, tire and suspension work.

---

### 79326D
Flat-End Adapter Bracket Kit
Enables the Rolling Lift Bridge to roll on flat surfaces. Weight: 12 lbs. per set of 4.

### 79327D
Hook-End Adapter Bracket Kit
Enables the Rolling Lift Bridge to roll on the rails of the lift. Weight: 12 lbs. per set of 4.

---

### PORTABLE MID-RISE LIFT

### 86002A
55” Mid-Rise Lift 6,000 Lbs. Capacity

**INTENDED USE**
Lifts cars, vans and light-duty trucks for wheel and brake related repairs, tire and wheel changing, collision repair work and new car preparation.

**FEATURES**
- Portable trolley supports the pump and maneuvers the lift from one service bay to another.
- Twin hydraulic cylinders and scissors lift design provide maximum support and stability.
- Hydraulic velocity fuses allow slow release of lift in the event of hose or hydraulic component damage.
- 5-1/2” low height for easy drive on and off.
- Fast and efficient operating pump powered by a 1 hp, 115 volt motor (1 year warranty on pump and motor).
- Sliding radius arms easily adjust to vehicle frame lift positions.
- Automatic mechanical safety lock will lock in a 24-1/2”, 31”, 36-3/4”, 42-1/8”, 46-1/2”, 50-3/4”, or 55” lift height.
- 12” hydraulic hose & 12-1/2” release cable.

**OVERALL DIMENSIONS**
<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>OVERALL DIMENSIONS</th>
<th>LIFT HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>86002A</td>
<td>6,000 lbs.</td>
<td>96.5” 39.75”</td>
<td>5.5” 55”</td>
</tr>
</tbody>
</table>

---

### UNIQUE COMBINATION OF ADAPTERS ALLOWS USE ON MOST DRIVE-ON FOUR-POST LIFTS OR QUICK-LUBE PITS

**NOTE:**
The model 79326D flat-end or model 79327D hook-end adapter kits must be ordered separately to connect the universal mounting bracket to the pit/lift rails.

---

**SHIPPING WEIGHT**

---

**86010A**
Extension Adapters
For higher frame clearance vehicles. Includes four 4-1/2” extension adapters for use with swivel rubber lifting pads included with the 86002A. Weight: 18 lbs.
**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/910005C).
- All casting parts are made of nodular cast iron (904005B/910006B).

**Kit Weight:**

904004C: 41 lbs.
904005B: 42 lbs.

**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

**904004C (shown) 904005B**

*4 TON*

**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

**910005C (shown) 910006B**

*10 TON*

**20 Ton Capacity Kit**

(10 TON)

**INTENDED USE**

For collision repair, industrial and construction applications where convenience of hydraulic power can be utilized for spreading, clamping, pushing and lifting operations.

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

**CAUTION!**

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

**FEATURES**

- All the same features found in the 4 ton kits.
- 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.

**Kit Weight:**

910005C: 83 lbs.
910006B: 77 lbs.

**10 Ton Kits Include:**

- 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

**910005C (shown) 910006B**

*10 TON*

**INTENDED USE**

Same as 4 ton kits but for heavier jobs such as automotive frame straightening.

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

**FEATURES**

- Two steel cases with carrying handles share the weight for easier handling of kit.
- A deluxe kit for repairing heavy road machinery, trucks, farm equipment and also used for some heavy construction applications.

**Model 920020A 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)
**INTENDED USE**
For many applications including shop, agricultural, automotive / truck service needs and construction maintenance applications where lifting, pushing, pulling, bending or holding may be required.

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

---

**SINGLE-ACTING CYLINDER 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 ANSI B 30.1.

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**HEAVY DUTY CYLINDERS DESIGNED IN THE U.S.A.**

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**DOUBLE-ACTING CYLINDER FEATURES**
- Same as the standard cylinders but have the ability to pull as well as push under power.
- IMPORTANT: Double-acting cylinders can only be used with the 4-way valve hand pump model 925014 found on page 39.
- Built-in safety valve prevents over-pressurization.

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**WEDGE RAM FEATURES**
- Jaws open from 3/8” to 3-11/16” so ram can be used in very confined work areas.
- Spring retractable jaws.

---

**SINGLE-ACTING CYLINDERS**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>STROKE (Inches)</th>
<th>OIL CAP (Cu. In.)</th>
<th>CYLINDER BORE Dia. (Inches)</th>
<th>CYLINDER EFFECTIVE AREA(in sq. in.)</th>
<th>RETURN SPRING</th>
<th>MIN HEIGHT</th>
<th>MAX HEIGHT</th>
<th>OUTSIDE Dia. (Piston)</th>
<th>THREAD SIZE (Pony)</th>
<th>CYL. COLLAR (Inches x Thrd.)</th>
<th>INTERNAL BASE (NPT)</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>910026A</td>
<td>25 Ton</td>
<td>4</td>
<td>5.31</td>
<td>1.5</td>
<td>20.65</td>
<td>14.75</td>
<td>25.5</td>
<td>17.50</td>
<td>8.25</td>
<td>2.25/14</td>
<td>5.5 x 12</td>
<td>10 lbs.</td>
<td>19 lbs.</td>
</tr>
<tr>
<td>910025A</td>
<td>40 Ton</td>
<td>4</td>
<td>8.63</td>
<td>2.2</td>
<td>40.25</td>
<td>28.5</td>
<td>25.75</td>
<td>23.5</td>
<td>14.75</td>
<td>2.25/14</td>
<td>7 x 12</td>
<td>15 lbs.</td>
<td>22 lbs.</td>
</tr>
<tr>
<td>910024A</td>
<td>50 Ton</td>
<td>4</td>
<td>11.37</td>
<td>3.2</td>
<td>50.5</td>
<td>35</td>
<td>29.35</td>
<td>27.5</td>
<td>17.75</td>
<td>2.25/14</td>
<td>9 x 12</td>
<td>20 lbs.</td>
<td>25 lbs.</td>
</tr>
<tr>
<td>910023A</td>
<td>70 Ton</td>
<td>4</td>
<td>14.12</td>
<td>4.2</td>
<td>70.7</td>
<td>51</td>
<td>39.75</td>
<td>32.5</td>
<td>21.75</td>
<td>2.25/14</td>
<td>11 x 12</td>
<td>25 lbs.</td>
<td>30 lbs.</td>
</tr>
<tr>
<td>910022A</td>
<td>100 Ton</td>
<td>4</td>
<td>16.94</td>
<td>5.2</td>
<td>100.9</td>
<td>74</td>
<td>58.6</td>
<td>47.5</td>
<td>26.75</td>
<td>2.25/14</td>
<td>13 x 12</td>
<td>30 lbs.</td>
<td>35 lbs.</td>
</tr>
</tbody>
</table>

---

**DOUBLE-ACTING CYLINDERS**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>STROKE (Inches)</th>
<th>OIL CAP (Cu. In.)</th>
<th>CYLINDER BORE Dia. (Inches)</th>
<th>CYLINDER EFFECTIVE AREA(in sq. in.)</th>
<th>RETURN SPRING</th>
<th>MIN HEIGHT</th>
<th>MAX HEIGHT</th>
<th>OUTSIDE Dia. (Piston)</th>
<th>THREAD SIZE (Pony)</th>
<th>CYL. COLLAR (Inches x Thrd.)</th>
<th>INTERNAL BASE (NPT)</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>910026B</td>
<td>10 Ton</td>
<td>3</td>
<td>4.57</td>
<td>1.1</td>
<td>20.5</td>
<td>17</td>
<td>23.5</td>
<td>19.75</td>
<td>13.00</td>
<td>2.25/14</td>
<td>5 x 12</td>
<td>10 lbs.</td>
<td>15 lbs.</td>
</tr>
<tr>
<td>910025B</td>
<td>25 Ton</td>
<td>4</td>
<td>9.20</td>
<td>2.2</td>
<td>50.0</td>
<td>35</td>
<td>29.35</td>
<td>27.5</td>
<td>17.75</td>
<td>2.25/14</td>
<td>9 x 12</td>
<td>15 lbs.</td>
<td>20 lbs.</td>
</tr>
<tr>
<td>910024B</td>
<td>40 Ton</td>
<td>4</td>
<td>14.55</td>
<td>3.2</td>
<td>80.3</td>
<td>51</td>
<td>39.75</td>
<td>32.5</td>
<td>21.75</td>
<td>2.25/14</td>
<td>11 x 12</td>
<td>20 lbs.</td>
<td>25 lbs.</td>
</tr>
<tr>
<td>910023B</td>
<td>50 Ton</td>
<td>4</td>
<td>18.90</td>
<td>4.2</td>
<td>101.4</td>
<td>67</td>
<td>52.6</td>
<td>42.5</td>
<td>26.75</td>
<td>2.25/14</td>
<td>13 x 12</td>
<td>25 lbs.</td>
<td>30 lbs.</td>
</tr>
<tr>
<td>910022B</td>
<td>75 Ton</td>
<td>4</td>
<td>23.25</td>
<td>5.2</td>
<td>131.7</td>
<td>83</td>
<td>68.7</td>
<td>58.5</td>
<td>31.75</td>
<td>2.25/14</td>
<td>15 x 12</td>
<td>30 lbs.</td>
<td>35 lbs.</td>
</tr>
<tr>
<td>910021B</td>
<td>100 Ton</td>
<td>4</td>
<td>27.50</td>
<td>6.2</td>
<td>162.0</td>
<td>100</td>
<td>85.9</td>
<td>75.5</td>
<td>36.75</td>
<td>2.25/14</td>
<td>17 x 12</td>
<td>35 lbs.</td>
<td>40 lbs.</td>
</tr>
</tbody>
</table>

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**WEDGE RAM**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>ARM HEIGHT CLOSED</th>
<th>ARM HEIGHT OPEN</th>
<th>OVERALL DIMENSIONS</th>
<th>CYLINDER AREA (Cu. In.)</th>
<th>OIL CAP (Cu. In.)</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>925027A</td>
<td>1 Ton</td>
<td>3.88</td>
<td>3.69</td>
<td>2.21</td>
<td>2.01</td>
<td>8.78</td>
<td>5 lbs.</td>
</tr>
</tbody>
</table>
FEATURES

- Lightweight aluminum body.
- Extremely durable.
- Ships completely assembled with coupler, shutoff, and base.
- The perfect cylinder for heavy-duty road service.
- These portable cylinders lift 50 tons with 10,000 P.S.I. hydraulic pumps.

50 Ton Aluminum Ram w/ Base & Shutoff Valve

INTENDED USE
Made for lifting heavy off-road and construction equipment.

### PERFORMANCE CHART

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CAPACITY</th>
<th>STROKE (Inches)</th>
<th>OIL CAP (Cu. In.)</th>
<th>CYLINDER BORE DIA. (Inches)</th>
<th>CYLINDER EFFECTIVE AREA (Sq. In.)</th>
<th>RETURN SPRING</th>
<th>HEIGHT Min.</th>
<th>HEIGHT Max.</th>
<th>OUTSIDE DIA. Piston</th>
<th>OUTSIDE DIA. Cylinder</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>955055</td>
<td>50 Ton</td>
<td>6.25</td>
<td>69</td>
<td>3.75</td>
<td>11.05</td>
<td>YES</td>
<td>11.75&quot;</td>
<td>18&quot;</td>
<td>3.13&quot;</td>
<td>6&quot;</td>
<td>39 lbs.</td>
</tr>
</tbody>
</table>

### COMPATIBILITY CHART

**HYDRAULIC CYLINDERS (Page 36)**

**PUMPS (Pages 38-39)**

<table>
<thead>
<tr>
<th>PUMPS</th>
<th>910017B</th>
<th>910018B</th>
<th>910019B</th>
<th>910020</th>
<th>910052A</th>
<th>910130A</th>
<th>910140</th>
<th>910165</th>
<th>925009A</th>
<th>925010A</th>
<th>925011</th>
<th>925012A</th>
<th>925013B</th>
<th>925014</th>
</tr>
</thead>
<tbody>
<tr>
<td>910017B</td>
<td>•</td>
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<td>910018B</td>
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<td>910019B</td>
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<td>925012A</td>
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<td>925013B</td>
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</tbody>
</table>

**Note:** 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.
910017B & 910018B 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.

9100165 FEATURES
Same as above models, but is hand-operated and provides finer control of raising or lowering loads.

910020
3,250 P.S.I. Capacity Air / Hydraulic Hand Pump

INTENDED USE
Same as the model 910017B, but with a steel reservoir body, a manually activated push button for pumping and a lever for release of load. The pump operates in all positions for increased versatility in use and mounting.
STEEL HAND PUMP FEATURES
925009A, 925010A, & 925013B
• 3/8 NPT hose connection on all pumps.
• Internal pressure relief valves for overload protection.
• External load release valve for single-acting cylinder operation.
• Two-speed pump operation on model 925013B for reduced operator fatigue.

LIGHTWEIGHT HAND PUMP FEATURES
925011, 925012A, & 925014
Same as for the steel hand pumps but with the following additions:
• Durable glass-filled nylon reservoir and nylon encapsulated aluminum pump base for maximum corrosion resistance and lightweight handling.
• Integral 4-way valve on the model 925014 for operation of double-acting cylinders.
• Handle lock for easy carrying.
• Non-conductive fiberglass handle for operator safety.

STEEL HAND PUMP FEATURES
910052A, 910019B
• 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.
• Two-speed design reduces cycle times for improved productivity.
• 115 VAC, 1/2 hp motor operates on voltages as low as 60 volts.
• High strength molded shroud with integral easy-carry handle protects motor from contamination.

ELECTRO / HYDRAULIC PUMPS
910052A FEATURES
• Lightweight and compact design.
• High strength molded shroud with integral easy-carry handle protects motors from contamination.
• 115 VAC, 1/2 hp motor operates on voltages as low as 60 volts.
• 10 foot pendant for operator safety.
• Two-speed motor design with 3-way 2-position valve for use with single-acting cylinders.

910019B 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.
• 10 foot pendant controls the motor operation.
• Manual advance/retract valve control for single-acting cylinders.
• LCD display provides a number of diagnostic and readout capabilities.

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

910019B FEATURES
• 10,000 P.S.I. Capacity
“Z” Series

910052A FEATURES
• Lightweight and compact design.
• High strength molded shroud with integral easy-carry handle protects motors from contamination.
• 115 VAC, 1/2 hp motor operates on voltages as low as 60 volts.
• 10 foot pendant for operator safety.
• Two-speed motor design with 3-way 2-position valve for use with single-acting cylinders.

910052A FEATURES
• 10,000 P.S.I. Capacity
“Z” Series

NOTE:
All electrical motors are warranted against defects in material and workmanship for one year from the date of end user’s purchase.
**INTENDED USE**

These heavy duty hoses and couplers are used to join pumps and cylinders together (see pages 36-39).

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>DESCRIPTION</th>
<th>CAPACITY</th>
<th>HOSE OR COUPLER I.D.</th>
<th>CONNECTION</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>910035A</td>
<td>6.5’ Long Hose</td>
<td>10,000 P.S.I.</td>
<td>.375”</td>
<td>.375 NPT Male Both Ends</td>
<td>4.5 lbs</td>
</tr>
<tr>
<td>910036A</td>
<td>10’ Long Hose</td>
<td>10,000 P.S.I.</td>
<td>.375”</td>
<td>.375 NPT Male Both Ends</td>
<td>7 lbs</td>
</tr>
<tr>
<td>910037A</td>
<td>Coupler, Hose Half</td>
<td>10,000 P.S.I.</td>
<td>.375”</td>
<td>.375 NPT Male End</td>
<td>1 lb</td>
</tr>
<tr>
<td>910038A</td>
<td>Coupler, Cylinder Half</td>
<td>10,000 P.S.I.</td>
<td>.375”</td>
<td>.375 NPT Female End</td>
<td>1 lb</td>
</tr>
</tbody>
</table>

**FEATURES**

- Heavy duty rubber hoses rated at 10,000 P.S.I. meet I.J.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.

**Bases, Saddles & Attachments**

910043A & 925142A
Heavy duty bases provide firmer and more stable footing for cylinders.

910048 & 925148
Threaded adapters screw into the tops of the cylinders and provide a threaded connection for other attachments.

910039 & 925045
Base attachments are bolted to the bottom of the cylinders and are internally threaded to receive other attachments.

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>DESCRIPTION</th>
<th>CAPACITY</th>
<th>FOR USE ON CYLINDERS</th>
<th>CONNECTION (NPT)</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>910043A</td>
<td>3.5” x 6.5” Base</td>
<td>5 Ton</td>
<td>10 Ton Cap.</td>
<td>1.25 x 11.5</td>
<td>3.5 lbs</td>
</tr>
<tr>
<td>925142A</td>
<td>6.5” Dia. Base</td>
<td>12-1/2 Ton</td>
<td>25 Ton Cap.</td>
<td>2 x 11.5 Female</td>
<td>9.5 lbs</td>
</tr>
<tr>
<td>910044A</td>
<td>Male Connector</td>
<td>5 Ton</td>
<td>10 Ton Cap.</td>
<td>1.25 x 11.5</td>
<td>0.5 lbs</td>
</tr>
<tr>
<td>925143A</td>
<td>Male Connector</td>
<td>12-1/2 Ton</td>
<td>25 Ton Cap.</td>
<td>2 x 11.5 Male</td>
<td>4.5 lbs</td>
</tr>
<tr>
<td>910046A</td>
<td>1.375” Dia. Grooved Saddle</td>
<td>10 Ton</td>
<td>10 &amp; 15 Ton Cap.</td>
<td>——</td>
<td>0.5 lbs</td>
</tr>
<tr>
<td>925141A</td>
<td>2” Dia. Grooved Saddle</td>
<td>25 Ton</td>
<td>25 Ton Cap.</td>
<td>——</td>
<td>0.5 lbs</td>
</tr>
<tr>
<td>910048</td>
<td>Threaded Adapter</td>
<td>5 Ton</td>
<td>10 &amp; 15 Ton Cap.</td>
<td>1.25 x 11.5</td>
<td>1 lb</td>
</tr>
<tr>
<td>925148</td>
<td>Threaded Adapter</td>
<td>12-1/2 Ton</td>
<td>25 Ton Cap.</td>
<td>2 x 11.5 Male</td>
<td>2.5 lbs</td>
</tr>
<tr>
<td>910039</td>
<td>Base Attachment</td>
<td>5 Ton</td>
<td>10 Ton Cap.</td>
<td>1.25 x 11.5</td>
<td>2 lbs</td>
</tr>
<tr>
<td>925045</td>
<td>Base Attachment</td>
<td>12-1/2 Ton</td>
<td>25 Ton Cap.</td>
<td>2 x 11.5 Female</td>
<td>5.5 lbs</td>
</tr>
</tbody>
</table>

**Flow Control Valve**

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” NPT 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.).
LIMITED LIFETIME WARRANTY  Effective:  February 25, 2010

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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.

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