

Hydraulic Bottle Jacks with Side Pump

Horizontal or vertical versatility

Versatile jacks can be used vertically (not upside down) or at angles not more than 5 degrees from vertical position. Can also be used vertically or horizontally with pump positioned directly below the reservoir. Machined and polished cylinder walls ensure straight lifts, preventing uneven wear. Heat-treated adjustable extension screw with cleated lift saddle prevents slippage. Bottle jacks with lifting capacity of 12 tons and over have carrying handle for convenient moving or positioning.

3ZC64 30-Ton:

For extra heavy-duty applications which include bridge construction, renovation, and hydraulic presses.

- Durable blue baked enamel finish
- Patented bypass mechanism protects hydraulic cylinder from over pumping
- Meets or exceeds ASME/ANSI/PALD standards

Item No.	Description	Lowered Height	Raised † Height	Extension Screw	Base Size
3ZC58	2-Ton Hydraulic Bottle Jack	7-1/8"	13-3/4"	2"	3-3/4" x 3-5/8"
3ZC59	4-Ton Hydraulic Bottle Jack	8-1/8"	15-1/2"	2-3/8"	4" x 3-7/8"
3ZC60	6-Ton Hydraulic Bottle Jack	8-1/2"	16-5/8"	3"	4-3/8" x 4"
3ZC61	8-Ton Hydraulic Bottle Jack	8-7/8"	17-5/8"	2-3/4"	4-3/4" x 4-3/4"
3ZC62	12-Ton Hydraulic Bottle Jack	9-3/8"	18-5/8"	3-1/8"	5-1/4" x 5-1/8"
3ZC63	20-Ton Hydraulic Bottle Jack	9-1/2"	18-5/8"	3-1/8"	6-1/4" x 5-7/8"
3ZC64	30-Ton Hydraulic Bottle Jack	11"	18"	—	8-1/8" x 6-7/8"



3ZC58

12 and 20-Ton "Shorty" Series Hydraulic Bottle Jacks

When height limitations are a problem

Industrial, agricultural, construction, and automotive lifting, pushing, bending, and straightening applications. Features a carrying handle for moving or positioning in horizontal or vertical positions. Polished machined cylinder walls provide straight lifts.

- Durable blue baked enamel finish
- Meets or exceeds ASME/ANSI/PALD standards

Item No.	Description	Lowered Height	Raised † Height	Extension Screw	Base Size
3ZC56	12-Ton Shorty (Low Profile)	6"	10-3/4"	1-5/8"	5-1/4" x 5-1/8"
3ZC57	20-Ton Shorty (Low Profile)	6-1/2"	11-1/4"	1-5/8"	6-1/4" x 5-7/8"



3ZC56

Telescoping Hydraulic Bottle Jacks

A high lift with a minimum collapsed height

Versatile jacks can be used vertically (not upside down) or at angles not more than 5 degrees from vertical position. Can also be used vertically or horizontally with pump positioned directly below the reservoir.

- Move and position easily with handle
- Hydraulic cylinder is protected by a safety bypass system to prevent overloading and ram overtravel
- Meets ANSI/ASME PALD standard

Item No.	Description	Lowered Height	Raised † Height	Extension Screw	Base Size
5M451	5-Ton	8-3/8"	21-3/4"	3"	5-5/8" x 5-5/8"
5M463	10-Ton	7-1/8"	17-1/4"	2-3/4"	6-3/4" x 6-5/8"

†Note: Raised height includes extension screw



5M451



Hydraulic Bottle Jacks with In-Line, Low Profile In-Line and Swivel-Pumps

Provides low pick-up height adjustment and maximum lift height

In-Line Pumps

Ideal for construction, industrial, agricultural, and automotive jobs that require lifting, pushing, bending, and straightening. Features a user-friendly in-line mechanism and centered pump and ram for superior balance and easy positioning.

- Ribbed wide, forged bases provide stability and exceptional strength
- Hydraulic bypass circuit prevents overtravel
- Heat treated extension screw
- Can also be used vertically or horizontally with pump positioned directly below the reservoir

Low Profile In-Line Pumps

Features low profiles to use in smaller spaces

- Ribbed wide, forged bases provide stability and exceptional strength

- Hydraulic bypass circuit prevents overtravel
- Heat treated extension screw
- Can also be used vertically or horizontally with pump positioned directly below the reservoir

Swivel-Pump

For lifting vehicles, construction equipment, and other heavy objects that may require rotational movement. Pumping socket rotates 270° for maximum versatility in directional operation. Patented bypass device prevents damage from overpumping and cross-type forged release valve assures positive control.

- Leakproof, robotic arc-welded seams
- Chrome plated ram provides optimum performance and lengthens seal life

Air/Manual Hydraulic Bottle Jacks

For extra heavy-duty applications

Manual function allows for normal operation anywhere, even without an air supply.

- Recommended air supply: 90-175 PSI at 7.8 CFM (at least 3HP recommended)
- Lowered height 9-1/2", raised height 18-5/8"
- 3-1/4" extension screw
- Meets ANSI/ASME/PALD standards

Item No.	Description	Base Size
1ZKX7	12-Ton	8-1/8 x 5-7/8"
1ZKX8	20-Ton	8-7/8 x 6-3/4"
1AVR5	30-Ton	10-1/4 x 8-1/4"

Item No.	Description	Lifting Capacity (Tons)	Lifting height Min.	Lifting height Max.	Hydraulic Stroke	Extension Screw	Base Size
4GU75	In-Line Pump	2	7-1/8"	13-3/4"	4-5/8"	2"	5" x 3-1/8"
4GU76	In-Line Pump	6	8-3/4"	16-5/8"	5-1/4"	2-7/8"	5-3/4" x 3-1/2"
4GU77	In-Line Pump	12	9-1/2"	18-5/8"	6"	3-1/8"	7" x 4-1/4"
4GU78	In-Line Pump	20	9-1/2"	18-5/8"	6"	3-1/8"	7-3/4" x 5"
4GU73	Low-Profile In-Line Pump	12	6"	10-3/4"	3-1/8"	1-5/8"	7" x 4-1/4"
4GU74	Low-Profile In-Line Pump	20	6-1/2"	11-1/4"	3-1/8"	1-5/8"	7-3/4" x 5"
4GU82	Swivel Pump	12	9-1/2"	18-5/8"	6"	3-1/8"	7-1/2" x 4-5/8"
4GU83	Swivel Pump	20	9-5/8"	18-3/4"	5-1/8"	3-7/8"	7-1/2" x 5-3/8"



Hydraulic Service Jacks

Safe and stable load handling

Garage Jacks

For most general purpose lifting requirements.

2-1/2 Ton Floor Jack, 3ZC65

Features a one-piece lift arm with dual leveling mechanism and reinforced flanged side frames for added strength under load. Patented safety bypass system prevents overextension and accidental overloading. Double swivel saddle and heavy steel casters provide safe, easy positioning.

2-1/2 Ton, 3ZC67 and 3 Ton, Heavy Duty Garage Jacks, 5ML65

Unique twist gear mechanism gives metered control throughout lifting range. Hydraulic system is internally protected from overpumping and overloading. One-piece reinforced arm with heat-treated pivot pins and steel swivel saddle provides safe high lifts.

3 Ton SUV Hydraulic Service Jack, 1AVR1

Features patented built-in bypass device and rugged universal joint release valve. Designed especially for vehicles with high off-ground axle heights. One or two strokes raises saddle quickly into lifting position. Equipped with industrial grade 2-3/4" dia. wheels and swivel casters on internal bearings.

Long Chassis Jacks, 4GU81, 1ZKX4, 1ZKX6 and 1ZKX5

Lifts heavy trucks, buses, agricultural and construction equipment with hard to access lift points. Extended reach safely lift oversized loads. Operate from either the multi-position T-style handle or quick action high ratio foot pedal. Conveniently located load release knob is on top of handle. Oversize industrial steel roller bearing casters move and position easily. Safety bypass mechanism protects hydraulic ram from overextension damage while an internal load limiting device prevents accidental overloading.

Item No.	Description	Low P/U Hgt.	High Lifting Pt.	Power Raise	Chassis Length	Handle Length
3ZC65	2-1/2 Tons	5"	16-1/2"	11-1/2"	24-1-1/2"	24-3/4"
3ZC67	2-1/2 Tons	5"	19-1/2"	14-1/2"	25-3/8"	42-1/8"
5ML65	3-Tons	5-1/4"	19"	13-3/4"	25"	42-1/8"
1AVR1	3-Tons	4"	23"	19"	31-7/8"	49-7/8"
4GU81	2-Tons	3-3/4"	20"	16-1/4"	26-3/4"	49"
1ZKX4	4-Tons	5"	24"	19"	50-5/8"	42-1/8"
1ZKX6	5-Tons	7"	27"	20"	57-3/4"	42-1/8"
1ZKX5	10 Tons	7"	27"	20"	54-3/4"	42-1/8"



2-1/2 Ton Quick Lifting Service Jack

Offers a quicker lift for professional performance

Low profile, extra heavy-duty welded steel chassis is less than 4", with a maximum height of 20". Universal joint release valve controls load descent in any handle position. Features exclusively designed breather plug to eliminate air in the hydraulic system.

- Patented built-in bypass device mechanism
- Rugged steel wheels and full swivel ball bearing casters
- Handle length 49-7/8"
- Chassis length 29-3/4"
- Meets ASME/ANSI PALD standards

Item No.	Height	
	Min.	Max.
1VW32	3-3/4"	20"



5ML70



5ML67

Quick Lifting Hydraulic Service Jacks

Save time and effort

Designed especially for vehicles with high off ground axle heights.

- One or two strokes raises saddle quickly into lifting position
- Heavy-gauge steel construction
- Equipped with industrial grade wheels and swivel casters that roll effortlessly on internal bearings

Item No.	Description	Saddle Ht. Lowered	Power Raise	Saddle Ht. Raised	Chassis Length	Handle Length
5ML67	3-Ton	5-3/4"	14-1/4"	20"	27-3/4"	42-1/8"
5ML68	4-Ton	5"	19"	24"	53-1/8"	49-1/2"
5ML69	5-Ton	7"	20"	27"	57-3/4"	49-1/2"
5ML70	10-Ton	7"	20"	27"	54-3/4"	49-1/2"

2 Ton Racing Jacks

Low profile pickup height for easy access under performance cars

Strong yet lighter than all-steel units. Feature quick lift mechanism, industrial grade casters, and side frame handles. ASME/ANSI-PALD.

- 1AVR3 is 50% steel, 50% aluminum.
- 1AVR2 weighs just 42-1/2 lbs.
- Single pump up for faster lifting

Item No.	Description
1AVR2	2-Ton
1AVR3	2-Ton



1AVR3



1AVR2

Air-Assisted Hydraulic Service Jacks

Quick, effortless lifts of rated capacity loads

Air/Manual Hydraulic Service Jacks 5M455 and 5M456

Powerful air motor with conventional foot and handle pumping. Equipped with a built-in bypass device to prevent damage to jack from overpumping. An internal safety valve prevents damage to jack from overloading.

- Meets or exceeds ANSI/ASME PALD standards

22-Ton Air-Over Hydraulic Truck Jack, 3W929

Compact low profile design for maximum access to fit easily between the wheels of a tandem axle vehicle. Two-speed action of air-assist motor quickly raises saddle to lift point then powerlifts load to desired height. Conveniently located air regulator control lever handle uses standard coupler hook-up to a shop compressor. Pressure relief valve is located on top of handle for metered control and load height adjustment.

- Air hose resistant to extreme temperatures and chemicals
- Easy maneuvering, oversized rubber wheels
- Safety bypass mechanism protects hydraulic system from accidental overload
- Meets or exceeds ANSI/ASME PALD standards

10 Ton Air-Assisted Hydraulic Service Jack, 1ZKX9

Powerful air motor with conventional foot and handle pumping. Equipped with a built-in bypass device to prevent damage to jack from overpumping. Feature industrial grade 3-7/8" dia. wheels and swivel casters on internal bearings for safe, easy positioning. Steel handle.

- 55" Chassis length and 42-1/8" Handle length
- Meets or exceeds ANSI/ASME PALD standards

22/35-Ton Air Hydraulic Axle Jack, 5M459

Double ram design has low saddle height of 8" while maintaining the same maximum lifting height as a comparable single ram design. Features powerful air motor and stamped steel frame construction with steel base. First ram piston has a capacity of 35 tons, second ram piston has a capacity of 22 tons.

Lift Range	Loaded
15-3/8"	0 ~ 35 ton
15-3/8" up to 19-1/2"	0 ~ 22 ton

- Meets or exceeds ANSI/ASME PALD standards

Fork Lift Truck Jack, 5ML71

Has extra low (2-1/2") point pick up capability. Overload safety bypass system and serrated steel saddle.



Item No.	Description	Low P.U. Height	High Lifting Pt.	Power Raise	Chassis Length	Handle Length
5M455	4-Ton Air/Manual Hydraulic Service Jack	5"	24"	19"	53-1/8"	42-1/8"
5M456	5-Ton Air/Manual Hydraulic Service Jack	7"	27"	20"	57-3/4"	42-1/8"
1ZKX9	10-Ton Air/Manual Hydraulic Service Jack	7"	27"	20"	54-3/4"	42-1/8"
3W929	22-Ton Air-Over Hydraulic Truck Jack	9-1/2"	19-1/2"	10"	22-7/8"	40-7/8"
5M459	22/35-Ton Air-Over Hydraulic Truck Jack	8"	15-3/8"	11-1/2"	21-5/8"	40-7/8"
5ML71	4-Ton Fork Lift Truck Jack	2-1/8"	17-1/8"	15"	29-3/4"	29-1/2"



Automotive Engine Stands

Quickly disassembles for storage or transporting

Extra long rubber grip handle for easy engine rotation. Head swivels 360° with an adjustable locking mechanism. Heavy-gauge tubular construction. Adapter arms hold engine secure for head and shaft removal. Provides easy service access to auto, truck, marine, generator and air compressor engines.

- Easy maneuvering 4 heavy-duty industrial steel bearing casters
- 1-year limited warranty
- Meets or exceeds ASME/ANSI PALD standards

3W931

Has an H-shape design.
31-1/2"L x 31-1/2"W x 36-3/4"H.

3ZC70

Has a U-shape design for added stability and load centering. 33-7/8"L x 33-3/8"W x 42-3/4"H.

Item No.	Description
3W931	750 lb. Capacity
3ZC70	1250 lb. Capacity

10 Ton Hydraulic Toe Jack

Lift heavy machines on very low clearance

Welded steel base, swivel handle sleeve, and built-in bypass device mechanism. Includes chrome piston and heat-treated and chrome medium-carbon steel cylinder.

- 23-5/8" Handle length

Item No.	Description
1AVP7	10 Ton Hydraulic Toe Jack



Transmission Jacks

1100 and 2000 lb. lifting capacity

Saddle has both side and tilting angle adjustment to fit onto different shapes and sizes of various transmissions and differentials. Lifting and lowering automotive transmissions.

- Meets or exceeds ASME/ANSI PALD standards

1ZKY1

- 1100 lb. capacity

1ZKY3

Has fully adjustable tilting head.

- 2000 lb. capacity

Item No.	Base Size	Height Min.	Height Max.
1ZKY1	31-1/8 x 15"	8-1/2"	24-3/4"
1ZKY3	39-3/8 x 19-1/8"	7-7/8"	33-1/2"



1/2 Ton Air/Hydraulic High-Lift Transmission Jacks

Reliable under hoist transmission removal and installation

Air provides fast, easy lift in first stage; hydraulics provide smooth, precise lifting in second stage. Combines air and hydraulic power for maximum speed and accuracy.

- 1000 lb. capacity (5M466 and 5ML72)
- 700 lb. capacity (1AVR4)
- Air pressure for rated capacity: 90–175 PSI.
- Meets or exceeds ANSI/ASME PALD standards

5M466 Air Assist Model

Head can be tilted both sideway, forward, and backward for alignment of splines and bolt holes. Wide spread swiveling casters provide sure, smooth maneuverability. Four ratcheting brackets fit transmission pan flanges; hefty steel safety chain helps anchor transmission.

5ML72 Hydraulic Model

Fully adjustable tilting head allows macro and micro tilting adjustments: 30° front and rear. Two-stage telescoping rugged base with locking caster.

Item No.	Base Size	Saddle Low	Saddle Height
5M466	34-1/8 x 36-1/8"	36-3/4"	76-5/8"
5ML72	34-1/8 x 36-1/8"	36-3/4"	76-5/8"
1AVR4	36-1/8 x 32-5/8"	57-1/4"	76-3/8"

Pickup Truck Crane

Lift, load, unload, and position cargo too heavy for manual lifting

Control rate of descent is accomplished using a high-torque motor, vented disc brake with double-action calipers, metal/organic pads, and 12 ft. of durable, weather-resistant 1/4" aircraft cable.

- Can lift 500 lbs. when installed onto a 1/2- to 3/4-ton capacity pickup truck, and 750 lbs. when installed onto a 1-ton capacity pickup truck (when using 12V, bidirectional 10,000 lb. rolling load capacity winch with remote control)



Item No.	Description	Min.	Hook Height Max.	Boom Length	Base Size	Store Height
5M473	500 lb. for 1/2-3/4 Ton Truck 750 lb. for 1-Ton Truck	0	67-1/2"	37"	15-3/4 x 15-3/4"	54"

Hydraulic Engine Cranes

Adjustable boom allows for multiple lift capacity

Heavy-gauge reinforced structural steel frame with industrial steel bearing casters. Heat-treated bolts and forged steel grab hook for added safety. Hydraulic ram has metering release valve for lowering boom at a controlled rate.

- Meets ASME/ANSI PALD

3ZC72

Has folding design for complete storage.

3ZC71

Has adjustable front and rear legs for versatile positioning.



Item No.	Boom Position	Description	Capacity	Hook Height		Boom	L	Overall Dimensions	
				Min.	Max.			W	H
5Z010	1	3/4-Ton Space-Saver Engine Crane	1500 lbs.	9-5/8"	78-1/8"	39-1/8"	54"	36"	55-1/2"
	2		1000 lbs.	5-7/8"	80-3/4"	43-1/8"			
	3		500 lbs.	2"	83-1/2"	47-1/8"			
3ZC72	1	1-Ton Space-Saver Engine Crane	2200 lbs.	12"	85-3/8"	49-1/8"	69-1/2"	21-1/2 – 48-1/4"	70-3/4"
	2		1650 lbs.	6-1/4"	87-3/4"	55-1/8"			
	3		1100 lbs.	2-3/4"	90-1/2"	61-3/8"			
3ZC71	1	2-Ton Engine Crane	4000 lbs.	18-3/8"	69-1/4"	48-3/4"	62-1/2 – 91-1/2"	32-1/4 – 39-3/8"	58"
	2		3000 lbs.	14"	75"	57-3/4"			
	3		2000 lbs.	9-1/4"	81"	66-3/4"			
	4		1000 lbs.	5"	86-1/2"	76-3/4"			

Hydraulic Crane Jacks

Used in engine cranes for lifting automotive, marine, and industrial engines

Comply with all applicable safety standards including safety valve and travel limit requirements

Air/Manual Hydraulic Crane Jack

Manual function allows for normal operation anywhere, even without air supply

Minimum 90 PSI required to lift rated capacity loads. Recommended air supply—90-150 PSI at 7.8 CFM, 3HP recommended.



Item No.	Descriptions	Capacity (Tons)	Fits Crane Nos.	Height Min.	Stroke Max.	Stroke	Hole Dia.	Mounting Holes (3)
5M471	Hydraulic Crane Jack	4	5Z010	19-3/8"	34-3/4"	15-3/8"	1/2"	5/16"
5M472	Hydraulic Crane Jack	8	3ZC71, 3ZC72	23-5/8"	42-3/4"	19-1/8"	5/8"	3/8"
5M460	Air/Manual Hydraulic Crane Jack	8	3ZC71, 3ZC72	23-5/8"	42-3/4"	19-1/8"	5/8"	3/8"

Heavy-Duty Vehicle Stands

Support loads when servicing vehicles

Multi-position, heat-treated ductile ratchet bar sustains heavy loads over extended periods of time, adjusts quickly and easily to desired height. Weight on the ratchet pin serves as a locking mechanism to prevent accidental release under load. Rust-free, baked enamel finish assures long term durability.

- Meets ASME/ANSI PALD
- **3ZC73** and **3ZC74** feature sturdy steel construction and welded base
- **5M475** and **3ZC75** have one-piece stamped steel construction
- Sold in packs of two



Item No.	Description	Max. Lift Hgt.	Min. Lift Hgt.	Base Size
3ZC73	3-Ton	18"	11-1/4"	8-1/8" x 7-1/8"
5M475	4-Ton	18-3/8"	11-7/8"	8-3/4" x 7-1/2"
3ZC74	6-Ton	24-1/4"	14-5/8"	11-1/4" x 10-1/8"
3ZC75	12-Ton	30"	19"	12-1/2" x 12-1/8"
1AVP8	22-Ton	19-7/8"	12-1/8"	9-3/4" x 9-3/4"

Hydraulic Wheel Dolly

Indispensable for a one man operation

Hydraulic actuated system rolls easily on swivel casters for easy movement and positioning. Lift range 3" to 9".

- Precision crafted cradle rollers
- Heavy-duty safety chain



Item No.	Description	Lifting Capacity	Lift Arms x W	Tilt Range	L	Overall Size W	H
5ML74	Hydraulic Wheel Dolly	1500 lbs.	27-1/2" x 26"	-2.5~5.5°	42-7/8"	38-1/2"	34-5/8"

Fork Lift and Vehicle Stands

Lightweight for portability and ease of positioning

- Rigid, heavy gauge steel frame meets or exceeds ANSI standards to help prevent distortion or twisting
- Holding pins adjust stand heights at 2-1/4" intervals
- Sold in packages of 2



Item No.	Description	Lifting Capacity (Tons)	Lifting Height		Base Size
			Min.	Max.	
4GU79	Forklift Stand	7 Per Stand	9-1/2"	14-1/4"	8-3/4" x 8-3/4"
4GU80	Vehicle Stand	10	28-1/4"	47"	16" x 16"

Heavy-Duty Hydraulic Strut Spring Compressor

Effortless and safe one-man operation

Remote control hydraulic pump provides the easiest, safest, and most efficient way to replace strut components on auto and truck suspension systems. Features an angle rotatable spring clasp bracket with adjustable strut shaft clasp that secures the strut while the compressor is in operation and an extendable spring clasp holder with linear adjustment. The smooth, 10" long stroke hydraulic ram works quickly and effectively, controlled remotely by a powerful hydraulic pump. A sliding ram bracket enables multiple height adjustments up to 15-1/2" working space.

- Comes with wall mounting brackets and hydraulic system
- 12-1/4"L x 11-7/8"W x 52-5/8"H



Item No.	Description
5ML75	Strut Spring Compressor

Heavy-Duty Truck Ramp

Steel ramps come in a pair to support 20 tons

Nonskid base and non-slip traction plates keep the ramps and their load in place. Retractable handle makes them easy to move.

- 20 Ton (per pair) load capacity
- 49-1/4"L x 13-1/2"W x 9-1/2"H



Item No.	Description
1AVP9	20 Ton Truck Ramp



3/4-Ton Heavy-Duty Under Hoist Stand

Roller bearing for smooth height adjustment up to 79"

Heavy-duty rugged tubular steel construction has large wheels and casters for easy positioning and smooth motion. Easy adjustable handle with thrust bearing eliminates wear and provides ease of turning under load. Lock foot pedal in vertical position for storage or shipment.

- 12" diameter base
- Saddle dimensions 5-1/4" x 1-1/2"
- Meets ASME/ANSI PALD standards

Item No.	Height	
	Min.	Max.
1VW33	53-3/8"	79"

5-Ton Toe Jack

Easy to operate from different positions

Heat-treated and chrome medium carbon steel cylinder with chrome piston, welded style base, and swivel handle sleeve for optimum performance.

- Patented built-in bypass device mechanism
- Base size 11"L x 7/8"W
- Handle length 23-5/8"



Item No.	Description	Height Min.	Max.
1VW31	5-Ton Toe Jack	7/8"	5-3/4"

4- and 10-Ton Hydraulic Ram Systems

Easy, snap-together assembly saves setup time

Hydraulic maintenance and repair kits are complete with everything needed for bending, pushing, pulling, and spreading. Safety overload mechanism helps prevent damage to ram and cylinder. Features a custom fitted, rugged blow-molded storage case with carry handle and wheels for easy movement.

3ZC68: 8,000 lb. capacity includes 19-1/2, 16-1/2, 8-1/2, 6-1/8 and 3" extension tubes. Ram has approximately 4-3/4" stroke.

3ZC69: 20,000 lb. capacity includes 27, 18, 10 and 4-1/8" extension tubes. Ram has approximately 6" stroke. Blow-molded case has wheels for easy movement.

Kits Include: Hand pump assembly with hose, heavy-duty spreader ram, 2-3/4" rubber wedge head, rubber faced flat base, ram toe and plunger toe, chrome-plated, long life ram plunger, serrated saddle, wedge head, and combination head.

Item No.	Description
3ZC68	4-Ton Hydraulic Ram System
3ZC69	10-Ton Hydraulic Ram System

10-Ton Air/Manual Hydraulic Ram

Quick, effortless lifts of rated capacity loads

Powerful air motor drive pushes, clamps, and spreads repair drives. Can be used as a replacement for hand pump assembly included with Hydraulic Ram Systems, 3ZC68 and 3ZC69.



Item No.	Description	Base Dim.
5M461	10-Ton Air/Manual Hydraulic Pump Handle Length 13"	22" x 6-1/8"



3ZC68

3ZC69





4LY45



4LY47



4LY46

Compact Ratchet Pullers

Dual ratchet-drive and zinc-plated steel construction to handle the most demanding jobs

Uses: Installation, straightening frames, stretching fence, positioning forms/walls, removing shrubs, and pulling equipment.

Single-Line Cable Puller

4LY45: 1/4" alloy hooks with interlocking drive, and stop levers. Includes: 3/16" aircraft cable. 15' reach capability.

Double-Line Cable Puller

4LY47: Compact folding handle, 5/16" alloy hooks, plastic case and 3/16" aircraft cable. 7.5' reach capability.

Web Puller

4LY46: Single line puller

- 1" nylon web with red warning cores
- 23-1/2" steel handles with vinyl grip
- Safety-latched hooks rotate 360°
- 8' reach capability

Item No.	Description	Lift Capacity (lbs.)	
		Lift Capacity (lbs.)	Pull Capacity (lbs.)
4LY45	Single-line	1000	2000
4LY47	Double-line	1500	3000
4LY46	Web Puller	1000	2000

High Reach Supplementary Stand

24" tripod base aids stability

Thrust bearing, adjustable handle eliminates wear and provides ease of turning under load. Roller bearing provides smooth height adjustment.

- Meets ASME/ANSI PALD safety standards



Item No.	Description	Height		Saddle Dimensions
		Min.	Max.	
1VW34	Supplementary Stand	67"	76"	5-1/4" x 1-1/2"



WARNING!
Hoists are industrial duty units and are not to be used for lifting, supporting, or transporting people.

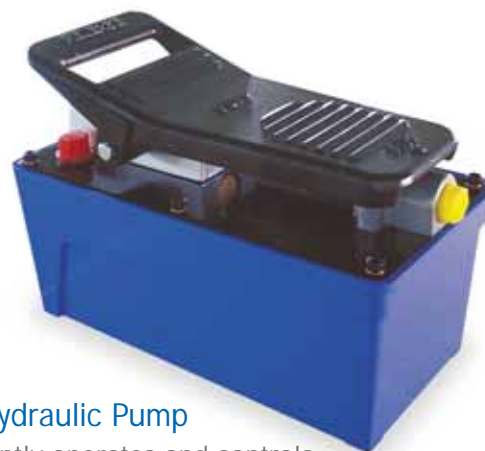
1-1/2 Ton Hydraulic Transmission Jack

Tilting adjustable head offers optimum alignment of transmission bolt patterns

Features multi-adjustment knobs to ensure that transmission cradle is always at the right angle to position and accept any load. Vital load-restraining chain raises and lowers safely.

- Patented built-in bypass device mechanism
- Handle length 29-1/2"
- Size: 46-3/4" x 25-5/8" x 9-7/8"
- Meets ASME/ANSI PALD safety standards

Item No.	Description	Lifting Range	
		Min.	Max.
1VW35	1-1/2-Ton	7-7/8"	37-1/4"



Air/Hydraulic Pump

Efficiently operates and controls hydraulic presses and heavy construction equipment

User-friendly foot actuated design allows easy control of moving fluid at accelerated rates. Powerful air motor has an internal check valve to eliminate pulsing and provide a consistent pressure of up to 10,000 PSI with standard air supply of 90 PSI. Built-in bypass system protects the unit from a pressure overload.

- Durable, lightweight corrosion free case
- Uses a standard 3/8" NPT fluid coupler

Item No.	Oil Capacity	Air Inlet Port	Oil Outlet Port



Exclusively from Grainger.