

# Heavy-Duty Tools and Equipment for the Professional



**SPX**

**OTC**

**OTC** *Stinger* 

**SPX**

**ROBINAIR**



- Engineered in the U.S.A.
- Lifetime Marathon Warranty®

*For more than 75 years, automotive service professionals have depended on the quality and durability of OTC's heavy-duty tools and shop equipment.*

OTC's full range of tools and equipment has been designed for the professional service technician and represents the highest standard in quality and reliability. Engineered in the U.S.A. and backed by a Lifetime Marathon Warranty, OTC-branded tools and equipment set the standard by which all other tools and equipment are measured.

## 4-7

### Lifts and Jacks

Wheel dollies, under axle jacks, clutch handlers, and transmissions jacks. Ramps and stands.



## 7

### Floor Cranes, Shop Presses, and Accessories

Floor cranes, shop presses, and load levelers. Air/hydraulic pump.



## 11

### Brake and Clutch Tools.

Torque wrenches, alignment tools, and rotating tool.



## 11-12

### Miscellaneous Service Tools

U-joint tool, oil filter crusher, air cooler tester, power steering pump analyzer, pin and bushing service set, hub oil seal puller.



## 8

### Bar Pin and Bushing Sets

Hendrickson tools.



## 9-11

### Special Service Tools

Sleeve pullers, leak detector, bearing splitter and puller. Kingpin and brake anchor pin pusher. Pry bars, bolt grip, u-joint sets. C-press and diesel emission tester.



## 13

### Diagnostics

Diagnostic tools for engines, transmissions, and brakes.



## 14

### Sockets

Locknut, truck pinion, and Budd wheel sockets.





- Competitively priced
- Two-year limited warranty

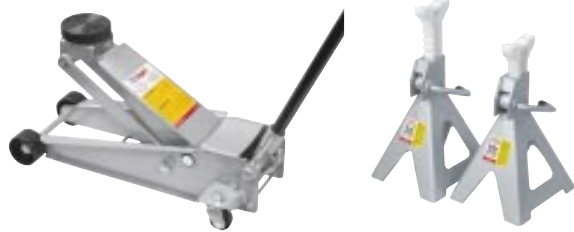
*In addition to offering “the right tool for every job,” OTC also offers “the right line of tools for every budget!”*

OTC’s **Stinger** line of products is designed for the cost-conscious shop owner who still wants the reliability of an OTC product. Since being introduced in 2000, Stinger products have become recognized for their value and performance. Competitively priced, Stinger products carry a two-year limited warranty.

## 15

### Service Jacks

Service jacks and jack stands.



## 16

### Transmission Jacks

Transmission jacks, air/hydraulic pump. Wheel dolly, floor cranes, and bottle jack presses.



## 17

### Bottle Jacks

Collision repair and bearing puller sets, puller/bearing sets.



## 18

### Special Service Tools

Ratcheting wrenches, snap ring pliers, bearing seal drive and bushing driver sets, wire stripper and crimper.



## 19

### Pliers and Oil Filter Wrenches

Punch and chisel set, oil filter pliers, and terminal crimper.



## 20

### Air Conditioning Equipment

Refrigerant Recovery & Recycling units, refrigerant identifier, UV inspection.



**SPX** **ROBINAIR**

## High-Lift Wheel Dolly

- Effortless air-powered hydraulic lift system allows unit to be used as a multi-purpose lift in a variety of applications.
- 1,500 lbs. capacity provides 50% more lifting capacity than competitive high-lift wheel dollies.
- 42" lifting range.
- Six-inch lateral adjustment provides precise positioning of wheel assemblies.
- Tilt adjustment of +15° to -8° ensures easy alignment.
- Features 4 swivel casters, 2 locking, for enhanced mobility.
- Made in the U.S.A.
- Covered by OTC Lifetime Marathon Warranty®.



No. 5105 – High-lift Wheel Dolly.

## 6- & 10-Ton Capacity Air/Hydraulic Service Jack

- Huge steel front wheels are mounted in bearings for trouble-free service life. Rear swivel casters make spotting the jack easy.
- Spring-loaded handle can be locked in three positions.
- The No. 5110 can also be operated manually when shop air is unavailable.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®.



**No. 5106** – 6-Ton Air/Hydraulic Service Jack. Lifting range 6-3/4" to 25", reach 87", 45" handle.

**No. 5110** – 10-Ton Air/Hydraulic Service Jack. Lifting range 6-1/2" to 26-5/8", reach 93", 46" handle.

## 10-Ton Capacity Lifting System

- Mobile, tandem system is air-operated. This will handle your class 7 and 8 tractor lifting needs. No need to waste time re-blocking and making additional lifts for the clearance you need for under-vehicle service. Roll the system to the vehicle anywhere in the shop or outside on a level surface.
- Unique design provides lift from the tires, not the frame or axle members. Ideal for situations where limited ground clearance or a lack of clear access complicates lifting.
- Single controller operates both sides of the system for a smooth, level lift up to two full feet from the bottom of the tires to the ground. Units can double as support stands when retention pin is inserted.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®.



No. 1520 – Lifting System. Includes two lifts.

## 10-Ton Air Lift

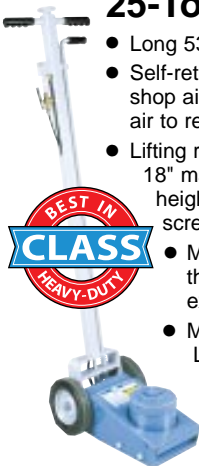
- Adjustable lifting saddles and an extra-wide stance for extra stability.
- 10 tons of lift at 200 PSI air pressure.
- Lifting range is 13" to 52".
- Automatic mechanical safety catch engages in five height positions.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®.



No. 1590 – 10-Ton Air Lift.

## 25-Ton Under Axle Jack

- Long 53" handle makes positioning easy.
- Self-retracting, air-driven ram uses standard shop air. Release valve automatically applies air to retract ram.
- Lifting range: 8" min. height, screw retracted; 18" max. height, screw extended; 12-7/8" min. height, screw extended; 13-1/8" max. height, screw retracted.
- Maximum lifting height is 21" when using the optional No. 220972 three-inch lifting extension.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®. Exceeds ANSI PALD standards.



5012A – 25-Ton Under Axle Jack.

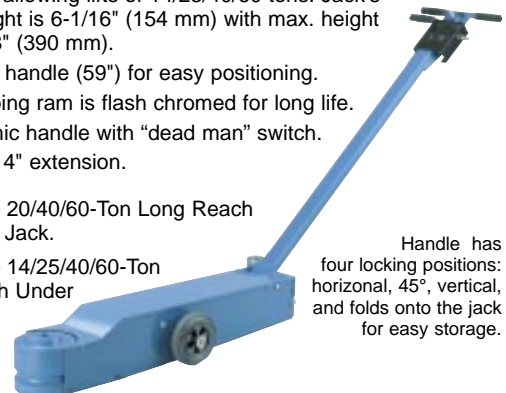
## Multi-Stage, Long Reach Under Axle Jacks

- No. 5093 axle jack features 3 different stages in the ram, allowing lifts of 20/40/60 tons. Jack's min. height is 7" (178 mm) with max. height of 16-1/4" (413 mm).
- No. 5094 axle jack features 4 different stages in the ram, allowing lifts of 14/25/40/60 tons. Jack's min. height is 6-1/16" (154 mm) with max. height of 15-3/8" (390 mm).
- Long "T" handle (59") for easy positioning.
- Telescoping ram is flash chromed for long life.
- Ergonomic handle with "dead man" switch.
- Includes 4" extension.

**No. 5093** – 20/40/60-Ton Long Reach Under Axle Jack.

**No. 5094** – 14/25/40/60-Ton Long Reach Under Axle Jack.

Handle has four locking positions: horizontal, 45°, vertical, and folds onto the jack for easy storage.



## 2,500 lb. Capacity Lift

This lift will handle engine and transmission assemblies, gas tanks, drive axle assemblies, engine / transaxle assemblies, electric bus batteries, and more.

- Scissors-type design allows access to all four sides of a component.
- Powered by a quiet, 110V electric / hydraulic pump.
- Smooth, steady lifting and lowering motion controlled by hand-held remote.
- Two independent adjusting screws tilt the table  $\pm 15^\circ$  side-to-side, or fore and aft.
- Larger casters accommodate heavy loads.
- A 30 ft. long retractable extension cord is mounted to the frame.
- Minimum height is 29" with an 80" maximum height. The footprint is 31" x 50", tilt table is 20" x 32".



**No. 1595** – 2,500 lb. Capacity Lift

## 2,000 lb. Capacity High-Lift Transmission Jack for Trucks and Buses

- Low height of 41-1/2" allows transmission to be rolled out from under vehicle's frame.
- Foot-operated air pump enables the operator to effortlessly raise the transmission into place.
- Rugged, heavy wall tubing and oversized base for stability.
- A dedicated adapter for Allison 500- and 600-series automatic transmissions is included.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®.



**No. 5078** – 2,000 lb. Capacity High-Lift Transmission Jack.

## 10-Ton Combination Air Lift & Support Stand

- Height range of 16-1/8" to 49-1/4".
- Removable handle and 8' air hose.
- American-made, carries OTC Lifetime Marathon Warranty®.



**No. 1591A** – 10-Ton Air Lift/Support Stand.

## Truck Clutch & Flywheel Handler

- Replaces 14" & 15-1/2" clutch assemblies weighing up to 250 lbs.
- 13" low point enables access below side faring.
- Patent pending linkage raises load from horizontal to vertical position.
- 360 degree swivel head.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®.



**No. 5018** – Truck Clutch & Flywheel Handler.

**No. 516160** – Optional flywheel handling attachment.

**No. 515686** – Optional splined shaft, 1-3/4" dia. with 1-1/4" pilot.

**No. 515686** – Optional splined shaft, 1-3/4" dia. with 1" pilot.

## 1,000 lb. Capacity High-Lift Transmission Jack

- Air-assist first stage for speed; second stage is hydraulically actuated for precision.
- Four ratcheting brackets adjust to fit a wide range of transmissions.
- Height range is 34-1/2" to 75". Maximum tilt is 50° forward to 20° backward and 10° to either side.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®.



**No. 1728** – 1,000 lb. Capacity High-Lift Transmission Jack.

## 2,200 lb. Capacity Truck Transmission Jack

- Low profile of 8".
- Lift range: 8-1/4" to 36-1/2".
- Swiveling, hydraulic pump handle and fast-acting pump.
- Special mounting adapter fits Eaton® Fuller® RoadRanger® and Rockwell® heavy-duty transmissions.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®.



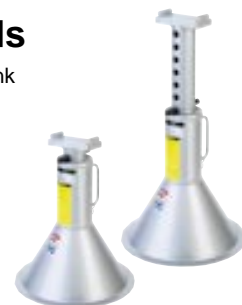
**No. 5019** – 2,200 lb. Capacity Truck Transmission Jack.

## 12-Ton Jack Stands

- Spun steel base won't dig or sink into asphalt or sand.

**No. 1778A** – Low stand support height range is 19" to 29-1/2".

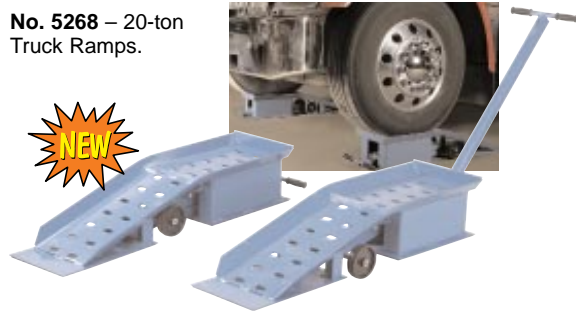
**No. 1779A** – High stand support height range is 33-3/4" to 44-1/4".



## 20-Ton Truck Ramps

- Long, 34-1/2" retractable T-handle enhances mobility.
- Non-skid rubber matting prevents slippage during use.
- Durable, heavy-duty rubber wheels.
- Capacity per pair: 20 tons; overall length: 51"; overall height: 9"; tread width: 10"; wheels: 5".
- Covered by OTC Lifetime Marathon Warranty®.

No. 5268 – 20-ton Truck Ramps.



## 1,500 lb. Dual Wheel Dolly

- Hydraulic jack provides almost 5" of lift and tilts wheel assembly 4° to prevent damage to wheel seal.
- Independent lifting rack provides maximum stability; rollers won't catch on load.
- Swivel casters for easy maneuverability.
- 6' chain holds load in place.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®.



No. 1770A – Dual Wheel Dolly.

## 6000 lb. Revolver® Diesel Engine Stand

- 96-to-1 ratio worm and gear set rotates components 360°; handle locks in any position.
- Includes universal mounting plate for use with individual engine adapter plates.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®.



No. 1750A – Revolver Diesel Engine Stand.

## Brake Drum Dolly

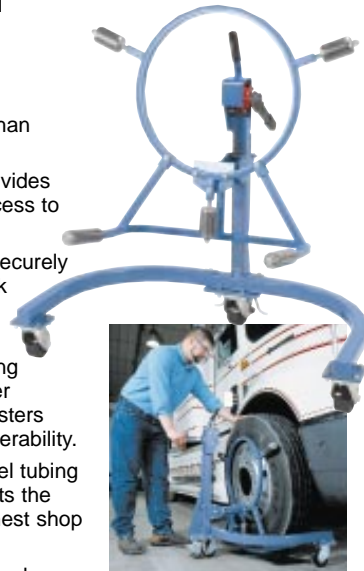
- Remove, install, and transport truck brake drums without physically having to lift them.
- Works on 15" and 16-1/2" drums found on most Class 7 and 8 tractor and trailer brake systems.
- Heavy-gauge steel construction, ten-inch pneumatic tires, and adjustable handle.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®.



No. 5017 – Brake Drum Dolly.

## Wheel Mate™

- Internal ratcheting jack with 14 inches of vertical travel – almost a foot higher than conventional dollies.
- U-shaped chassis provides close, unhindered access to work area.
- Accommodates and securely holds almost any truck wheel without restraining chains.
- Heavy-duty ball bearing wheels mounted under ball bearing swivel casters for maximum maneuverability.
- Rugged structural steel tubing construction that meets the demands of the toughest shop environments.
- Foot-operated wheel lock.



No. 5100 – Wheel Mate.

## Easily remove or install truck tire-and-wheel assemblies

### Clever Levers®

- Heavy-duty construction capable of toting 300 pounds.
- Onboard rollers that make stud hole alignment a snap.
- Spring-loaded kickstand for handy parking.
- Rugged tubular-steel construction.

No. 5095 – Clever Lever® (light/medium, tire dia. 24" to 36").

No. 5096 – Clever Lever® (heavy-duty, tire dia. 36" to 48").



## Remove, transport, service, and install heavy truck brake drums and hub assemblies.

### Back Buddy™ II

- Fast-motion ratcheting jack with 14 inches of vertical lift.
- Pneumatic rear tires smoothly roll across any shop floor.
- Tilting mechanism to achieve the exact angle necessary for precise reassembly.
- Fold-down handle for open access to the work area.
- Onboard lube tray and toolbox.
- An array of optional adapter sets capable of grabbing almost any truck hub assembly or brake drum, inboard or outboard.

No. 5090 – Back Buddy II.



## 2,200 and 4,400 lb. Capacity Heavy-Duty Floor Cranes

- To conserve valuable floor space, crane folds into a compact package for storage.
- For "close-in" work, leg spread adjusts to clear vehicle's wheels, telescoping boom extension gives additional reach. Roller bearing mounted wheels and steering dolly provide ease of mobility.
- A two-speed hydraulic hand pump provides fast boom travel; descent of boom is under precise control of operator.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®.



1819, 1820

**No. 1819** – 2,200 lb. Capacity Crane. Has hydraulic hand pump and 16-7/8" lifting chain.

**No. 1820** – 4,400 lb. Capacity Crane. Has hydraulic hand pump and 18-3/8" lifting chain.

## 6,000 lb. Capacity Heavy-Duty Floor Cranes

- Three boom positions give capacities of 4,000, 5,000, and 6,000 lbs. to handle the biggest engines, and often the transmission right along with the engine! Usable reach is almost 92".
- Boom swivels for vertical and lateral positioning; legs extend to straddle the biggest tires.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®.



No. 1812 Load-Leveler not included.

**No. 1814** – 6,000 lb. Capacity Crane with electric/hydraulic pump (115V) with remote motor control.

**No. 1813** – 6,000 lb. Capacity Crane with two-speed hydraulic hand pump.

## Air/Hydraulic Pump

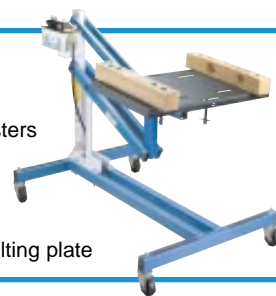
- Ideal all-around power source develops 10,000 PSI at 100 PSI air.
- Two-stage release mechanism; internal relief valve.
- 98 cu. inches of useable oil.
- Covered by OTC Lifetime Marathon Warranty®.



**No. 4020** – Air/Hydraulic Pump.

## Power Train Lift

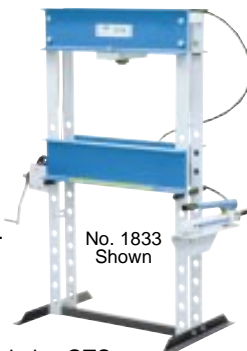
- Supports up to 1,250 lbs.
- Compact design and swivel casters for easy maneuverability.
- Comes with tilting plate. Height range is 29-1/2" to 68-1/2".



**No. 1585** – Power Train Lift with tilting plate

## 25- & 55-Ton Shop Presses

- Raise and lower bed easily on this tough, economical press that is ideal for pressing rear axle bearings, piston pins, and more.
- Hand-operated winch and cable mechanism adjusts lower press bolster.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®.



No. 1833 Shown

**No. 1833** – 25-ton Capacity Press includes OTC No. 4002 hand pump and 6-1/4" stroke ram.

**No. 1834** – 25-ton Capacity Press includes OTC No. 4020 air-driven hydraulic pump and 6-1/4" stroke ram.

**No. 1850** – 55-ton Capacity Press includes OTC No. 4016 hand pump and 6-1/4" stroke ram.

**No. 1851** – 55-ton Capacity Press includes OTC No. 4020 air-driven hydraulic pump and 6-1/4" stroke ram.

## 100-Ton Economy Shop Press

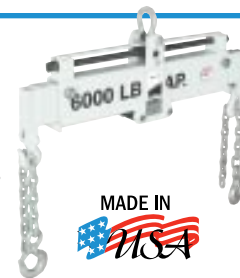
- Large 35" opening between press uprights allows easy handling of large gears, shafts, sprockets, and other components serviced in truck, construction, and agricultural equipment shops.
- Hand-operated winch and cable mechanism gives operator precise control in adjustment of lower press bolster to any height.
- Made in the U.S.A. and covered by the Lifetime Marathon Warranty®.



**No. 1854** – 100-ton Press. Includes hydraulic ram with 10" stroke; No. 4044 electric/hydraulic pump; No. 9651 gauge; No. 9768 hose (1/4" ID x 8') and pump mounting bracket.

## Load Leveler

- Improved design over conventional spreader bars.
- Carriage on main support beam moved by turning lead screw; this permits fine adjustment of the tilt angle of component being lifted.
- Turn lead screw manually or with air-powered tools.
- Spreader bar adjustment secured with locking bolts.
- Made in the U.S.A. and covered by the Lifetime Marathon Warranty®.



MADE IN USA

**No. 1812** – Load Leveler. Max. lifting capacity: 6,000 lbs.; distance between hooks: min. 30", max. 46"; chain grade: 80.

**No. 1822** – Load Leveler. Max. lifting capacity: 10,000 lbs.; distance between hooks: min. 36", max. 56"; chain grade: 80.

# 3-TON FloorBoss™

## 3-Ton Service Jack

- With its 3-ton capacity and 24" of lift, the No. 1732 easily handles both SUVs and autos.
- The foam pad and 17-degree stop angle handle protects the vehicle from damage.
- Features flanged edges, both top and bottom, to resist twisting. Sturdy 5/16" plate thickness ensures long life.
- 4-1/4" retracted height; 30-1/2" long chassis; 4-1/4" to 24" lifting range; 6-1/2" saddle diameter; 6-1/2" frame height.
- Conforms to ANSI PALD Part 10.
- Made in the U.S.A., covered by OTC Lifetime Marathon Warranty®.



No. 1732 – 3-Ton Floor Boss Service Jack.

## Heavy-Duty Wheel Step

- Tire-mounted wheel step provides quick, easy access to under-hood components.
- Fits heavy-duty vehicles (Class 7/8).
- 300-pound capacity.
- Installs in seconds; adjusts to fit 22-1/2" to 24" wheel sizes.
- Non-skid platform surface.
- Covered by OTC Lifetime Marathon Warranty®.



No. 1734 – Heavy-duty Wheel Step.

## Transfer Tanker

- Collect used oil in the 17-gallon reservoir.
- Rolls smoothly on 5" diameter free-wheeling casters.
- Pumps 5 gal./min. through an 8' transfer hose.
- Transfer Tanker can also be used for transferring used antifreeze.
- Floor space is 24" x 42", and 9-1/2" high.



No. 5076 – Transfer Tanker.

## Wheel Tipper

Makes handling those hard-to-manage truck tires easy, in or out of the shop. To use the wheel tipper, simply deflate the tire and break the bead, then hook the wheel tipper to the rim of the wheel. With both hands on the wheel tipper, pull it towards you.

- For both aluminum and steel wheels.
- Reduces back strain.
- Won't damage rim.

No. 5082 – Wheel Tipper.



# HENDRICKSON

For a complete survey of the equipment OTC has available to service Hendrickson truck equalizing beams, refer to OTC brochure No. 04-06.

## Hendrickson Bar Pin Adapter Set

Servicing bar pin end bushings used on Hendrickson equalizing beam tandem truck suspensions requires the use of special tooling. OTC's No. 1757 adapter set is used with the beam removed from the truck, and in conjunction with OTC No. 51100 press plate and a 100-ton hydraulic shop press.



The 1757 set, which replaces the No. 1747 set, includes an adapter for installing bushings in older forged beams as well as the fabricated beams introduced in 1999.

To remove bushings, use OTC's previously introduced No. 302030 removing adapter and No. 206457 press adapter, both of which may be ordered separately. Reinstall bushings following procedures recommended by the suspension manufacturer.

No. 1757 – Hendrickson Bar Pin Adapter Set.

## Hendrickson Suspension Bar Pin End Bushing Adapter Set

You can now remove and install worn end bushings on the Hendrickson new style bar pin end bushings without removing the equalizing beam from the vehicle.



The No. 1749 works in conjunction with OTC's No. 1741 and No. 1742 80-ton portable service equipment to do the job quickly, using procedures recommended by the manufacturer.

No. 1749 – Hendrickson Suspension Bar Pin End Bushing Adapter Set. For use with OTC No. 1741 and No. 1742 80-ton portable hydraulic service sets.

## Center and End Bushing Tool Set

For 340 and 380/440 series suspensions. Use with a shop press.

This set is the answer for replacing center and end bushings on Hendrickson 340 and 380/440 series suspensions. The 1764 is for use with a 100-ton or larger hydraulic press. The press plate sits on the press bolster to provide a level, cradle-like surface for the beam to rest on during pressing. Made in U.S.A.



No. 1764 – Hendrickson Center and End Bushing Tool Set

## Diesel Glow Plug Removal Tool

- Removes damaged, stuck-in glow plugs on diesel engines without having to remove cylinder head, saving hours of service time!
- When glow plug tip is melted and plug cannot be removed without breaking it off, this tool is the only answer.
- Tool includes 10 mm and 12 mm split nuts that provide added threads for pulling. One of three furnished spacers is installed under split nut to give a solid base for extraction without breaking glow plug off. Split nut is held with a wrench as the glow plug is unscrewed from the head.
- Services diesels in popular 3/4- and 1-ton pickups. Comes in a plastic storage case.



**No. 6005** – Includes 222888–10 mm and 222887–12 mm split nuts, three spacers (3/16", 1/4", 5/16"), plastic storage/organizer case and instructions.

## LeakTamer Diagnostic Leak Detection

- Speaks to the need of highly popular "smoke" diagnostics at an affordable price.
- Make use of a new pressure discharge port to test the flow of smoke and verify solenoid position.
- Checking an engine system such as EGR with "smoke" is a visual activity for the technician. He fills the intake manifold with smoke and looks for where it is leaking.



**No. 6285** – LeakTamer Diagnostic Leak Detection.

## Manual Sleeve Puller Set



- This manually operated, screw-powered device removes cylinder sleeves from most truck, bus, and tractor engines.
- Adapter plates (not included in the set) accommodate a wide range of bore sizes. See your representative for details.
- The puller enables one technician to handle sleeve-pulling tasks.
- Not recommended for Mack engines.



**No. 1200** – Manual Sleeve Puller Set.

## Engine Preluber Kit

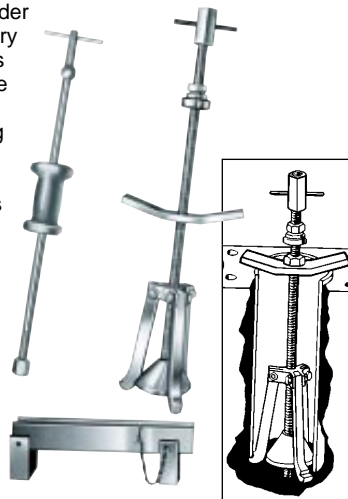
- Ensures oil is present to internal engine components on the first start of a new or rebuilt engine, or after major engine work is performed.
- Required to prime the oil pump and fill the oil galleries and internal engine components with clean, new oil.
- Connects to engine oil system at the oil pressure sensor on a variety of domestic and import engines.
- Oil pressure sensor adapters included.



**No. 6492** – Engine Preluber Kit.

## Sleeve Puller for Wet-Type Sleeves

This tool will remove cylinder sleeves faster than ordinary pullers because it requires very little setup time. Cone adjustment positions the puller jaws quickly, locking bar is tightened. To aid in breaking "frozen" sleeves loose, adjustable bridge is positioned on the cylinder block and the bearing-mounted forcing nut is tightened. Next, bridge is removed and slide hammer assembly is attached. With a few sharp hammer blows, sleeve is pulled. In most cases, job time will average less than two minutes per cylinder.



- The puller features a 5 lb. slide hammer to help bust loose even the most stubborn sleeves.
- Special adapters are unnecessary.
- Adjustable jaws fit sleeves 3" to 6-1/2" in diameter.

**No. 1205** – Sleeve Puller for Wet-Type Sleeves with 5 lb. slide hammer assembly.

## Bearing Splitter Combo Pack

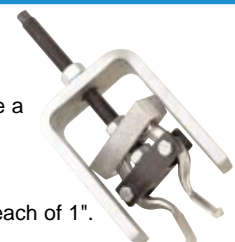
- This combo pack contains four of OTC's most popular bearing splitters, plus a pulley pulling attachment.
- A rugged organizer case is included.
- Contains: No. 1121 bearing splitter with 15/16" max. spread and 1/4" min. spread, No. 1122 bearing splitter with 2" max. spread and 1/8" min. spread, No. 1123 bearing splitter with 4-5/8" max. spread and 1/2" min. spread, No. 1130 bearing splitter with 9" max. spread and 1/2" min. spread, and No. 679 pulley pulling attachment with a 5-7/8" max. and 1-3/4" min. spread.



**No. 1183** – Bearing Splitter Combo Pack.

## Pilot Bearing Puller

- Designed to pull flywheel pilot bearings in close quarters where a slide hammer cannot be used.
- Operates on many models with engine in chassis.
- Capacity is 7/8" to 2" with I.D. reach of 1".



**No. 7319** – Pilot Bearing Puller.

## Four-In-One™ Puller Set, 7-Ton Capacity

- With the parts included in the PA7 you can quickly assemble a 2/3-jaw puller with standard or long reach.
- 7-ton capacity, the max. reach of 8-3/4", and max. spread of 11" make it ideal for hundreds of pulling jobs.



**No. PA7** – Four-In-One Puller Set, 7-ton cap. Standard jaw max. reach: 5". Max. spread: 10-1/2". Long jaw max. reach: 8-3/4". Max. spread: 11".

## Major Persuader

- Five of OTC's biggest pry bars. Includes one 54", two 46" and two 30" jimmy bars.
  - Display measures 16"w x 18"d x 64"h.
- No. 9901** – Major Persuader Pry Bars.

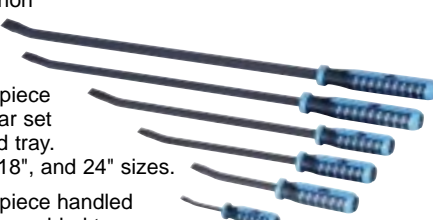


## Handled Pry Bars

- Black chrome striking cap allows hitting the bar without handle damage.
- Ergonomic handle – dual durometer composite handle for user comfort; reduces hand fatigue.
- Polished tip with black oxide finish.
- Long-life finish resists rust and wear during use.
- OTC Marathon Lifetime Warranty.

**No. 8203** – 3-piece handled pry bar set in gray molded tray. Includes 12", 18", and 24" sizes.

**No. 8206** – 6-piece handled pry bar set in a molded tray. Includes 8", 12", 18", 24", 32", and 36" sizes.



## Master Bolt Grip Set

- Covers almost every car, pick-up, SUV, and small engine.
- Capable of handling almost every 2- or 3-way bolt pull possible.
- For use on a variety of jobs: harmonic balancers, steering wheels, crankshaft pulleys, and gears.
- Storage tray and detailed application chart included.
- Slotted holes in puller flange permit cap screws to be positioned to handle bolt circles from 1-1/2" to 4-1/4".



**No. 6294** – Master Bolt Grip Set.

## Spicer® U-Joint Service Set

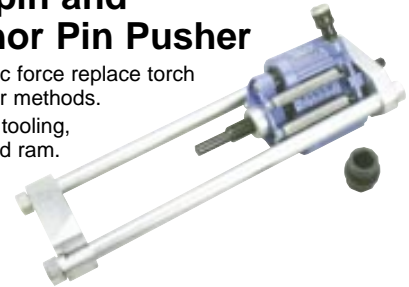
- Services Spicer 1600/1610 – 1880 series U-joints; and Rockwell 16N, 17N, 18N, and 1710 series U-joints.

**No. 7057** – Spicer U-Joint Service Set.



## Truck Kingpin and Brake Anchor Pin Pusher

- 30 tons of hydraulic force replace torch and sledgehammer methods.
- Includes precision tooling, hydraulic pump and ram.
- Accommodates kingpins of 7/8" to 2" dia. and 11-1/4" in length.
- Works on many models of trucks and buses.

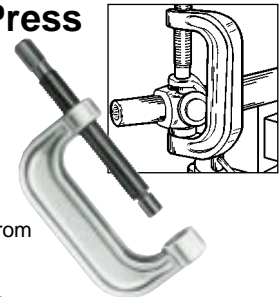


**No. 4240** – Complete Kingpin and Anchor Pin Pusher Set. Includes No. 4002 hydraulic hand pump, No. 9767 hose, No. 9798 hose-half coupler, No. 4121 Power Twin 30-ton ram, and No. 29424 anchor pin adapter.

**No. 4241** – Kingpin and Anchor Pin Pusher with Anchor Pin Adapter only.

## Forcing-Screw C-Press

- This versatile forcing-screw C-press has many uses.
- Safely remove and replace automotive universal joints with needle bearings, including GM plastic pin CV U-joints.
- Remove stubborn and rusted brake anchor pins up to 1-1/4" from spiders on heavy-duty vehicles.



**No. 7248** – Forcing-Screw C-Press.

## Smoke Check 1667 Diesel Emission Tester

- Completely portable. No warm-up time needed.
- Digital LCD screen walks you through each step. When testing is complete, a printout of results is produced for verification.
- The partial flow meter clips inside any smokestack; testing can be performed in any weather.
- Meets the latest SAE J1667 specifications.



**No. RM1020C** – Smoke Check 1667 Diesel Smoke Opacity Tester. Includes partial flow meter, base unit with hand-held display, built-in printer, ambient sensors, two battery chargers – one for vehicle or shop, 20 ft. cable, telescoping rod, spring clamp, neutral density filter, and sensor head case.

**No. OTC3020C** – Standard meter listed above with OIL/RPM software and accessories. These options are required for state approval testing in New York and New Jersey.

## U-Joint Tool

- Easily removes stubborn heavy-duty U-joints on Dana and Rockwell® driveshaft assemblies.

No. 7490 – U-Joint Tool.



## Slack Adjuster Puller for Trucks and Trailers

- Service all S-cam air brake slack adjusters.
- Works on Rockwell®, Haldex, Gunitex, and Bendix automatic adjusters.

No. 5056 – Slack Adjuster Puller.



## Truck Clutch Alignment Tools

- These 10-spline shafts are available in the most popular sizes.
- Constructed of a lightweight fiberglass-reinforced nylon body that won't hang up in the clutch disc splines.
- Designed for perfect fit to the spline of the clutch disc...easily supports heavy pressure plates.

• To order individually use item number listed below.

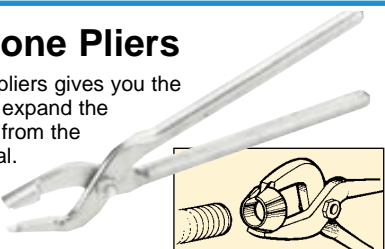
- No. 5070 – 1-1/2" O.D., 30 mm pilot.
- No. 7072A – 1-1/2" O.D., 1" pilot.
- No. 7073A – 1-3/4" O.D., 1-1/4" pilot.
- No. 7074A – 2" O.D., 1-1/4" pilot.
- No. 7480 – 1-3/4" O.D., 1" pilot.
- No. 5029 – 2" O.D., 1-1/4" pilot.
- No. 5030 – 1-3/4" O.D., 1-1/4" pilot.



## Axle Stud Cone Pliers

- Specially designed pliers gives you the leverage needed to expand the cone and remove it from the stud for axle removal.

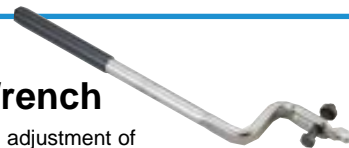
No. 7077 – Axle Stud Cone Pliers.



## HD Clutch Adjusting Wrench

- Used for the internal adjustment of Spicer angle-spring and multiple-lever clutches.

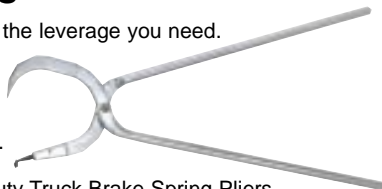
No. 7028 – Heavy-Duty Clutch Adjusting Wrench.



## Heavy-Duty Truck Brake Spring Pliers

- 26-1/4" length gives the leverage you need.
- Large jaw opening allows service of widest shoes.
- Has replacement tip.

No. 7069A – Heavy-Duty Truck Brake Spring Pliers.



## Self-Adjusting Clutch Rotating Tool

- This handy tool replaces self-adjuster mechanism on Spicer self-adjusting clutches, allowing you to manually adjust them with a wrench or socket.

No. 5044 – Clutch Rotating Tool.

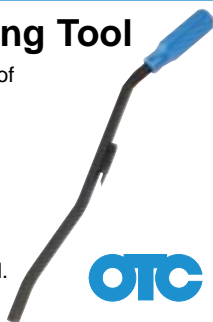


## S-Cam Air Brake Spring Tool

- Eliminate makeshift, unsafe methods of unhooking and reconnecting retaining springs when replacing brake shoes on heavy-duty tractors and trailers.
- Simply hook the retaining spring loop and press down. Lever action against the axle makes the job a snap!

No. 5081 – S-cam Air Brake Spring Tool.

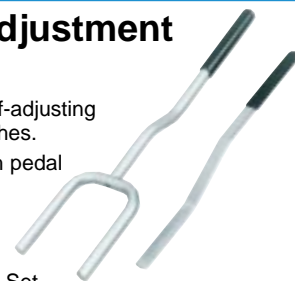
No. 314548 – Replacement Hook Kit.



## Truck Clutch Adjustment Gauge Set

- Works on manual and self-adjusting pull-type heavy-duty clutches.
- Quickly checks 1/8" clutch pedal free play, and verifies the 1/2" minimum release bearing travel.

No. 5035 – Master Bolt Grip Set.



## Torque Wrenches



- Clicks when you reach the torque setting.

No. 7379 – Torque Wrench, 100–600 ft. lbs. Ratchet-style head, 3/4" sq. drive, 42-1/4" length.

No. 7378 – Torque Wrench, 50–250 ft. lbs. Ratchet-style head, 1/2" sq. drive, 19-3/8" length.

## Clutch Service Set

- Designed for Spicer heavy-duty clutches, the nine tools in this set help with a variety of jobs, from clutch installation and removal to flywheel drive-pin installation to clutch adjustment.
- Includes handy plastic carrying case.

No. 5043 – Clutch Service Set.

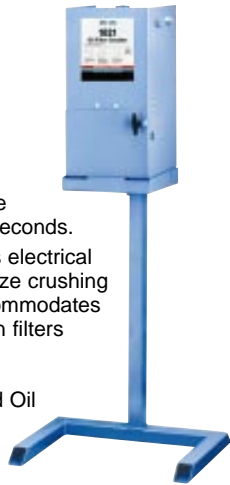


## Oil Filter Crushers

### 10-Ton Air-Operated Oil Filter Crusher

- Crushes up to four automotive filters at one time, in just 20 seconds.
- 100% air operation eliminates electrical connections. The generous size crushing chamber (9" high) easily accommodates the largest automotive spin-on filters on the market.

No. 1821 – 10-Ton Air-Operated Oil Filter Crusher.



### 25-Ton Automotive Air/Hydraulic Oil Filter Crusher

- Crushing time is 49 sec. (9 CFM at 100 p.s.i.)
- Automatic cycle feature lets you load the filter, push a button, and walk away.
- Removes up to 95% of the oil from a pre-drained filter.
- Mounts on wall or optional floor stand.

No. 1896 – 25-Ton Automotive Air/Hydraulic Oil Filter Crusher.

### Charged Air Cooler Tester

- Connected to the cooler radiator, this is the easy way to find air leaks in charged air cooling systems on class 7 and 8 trucks.
- Quick disconnect air fittings work on all 3", 3-1/2", and 4" cooler hoses.



No. 5039 – Charged Air Cooler Tester.

### Universal Outside Thread Chaser

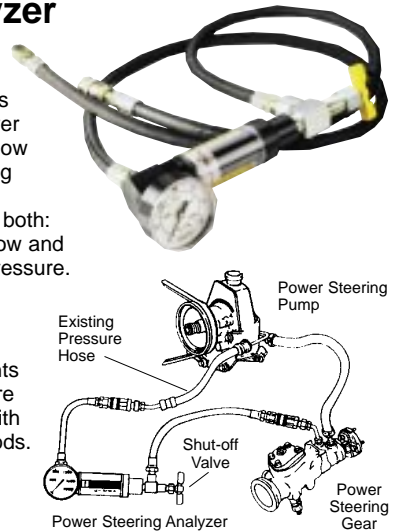
- Precision dies restore threads to their original condition. Includes 6 dies.
- The capacity is from 1-1/4" to 5" O.D.

No. 7402 – Universal Outside Thread Chaser.



### Heavy-Duty Power Steering Pump Analyzer

- There is only one way to troubleshoot problem components in a heavy-duty power steering system: a flow and pressure reading meter. OTC's new No. 5079 measures both: 1 to 10 gallons oil flow and up to 3,000 psi of pressure.
- When connected in line, this universal analyzer will isolate the failed components in just minutes. There is no wasted time with trial and error methods.
- The set is complete with high pressure hoses, 9/16"-18 standard fittings, and quick disconnect couplers to handle Eaton/Vickers, TRW, Ross, and Shepard power steering systems.



No. 5079 – Heavy-Duty Power Steering System Analyzer with hoses, fittings, and couplers in a handy storage case.

### Truck Front Leaf Spring, Pin and Bushing Service Set

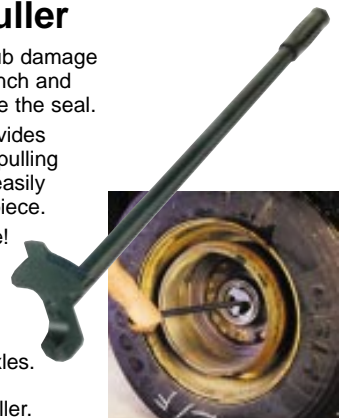
- Delivers 10 tons of hydraulic force to remove and install truck front spring eye pin and bushing assemblies quickly and easily.
- Services bushings with diameters from 1-1/4" through 1-7/8", pin diameters from 7/8" through 1-1/8". Handles all popular OE and aftermarket components, including Horton pin and bushing assemblies.
- Services bushing assemblies, in many cases without removing leaf spring hangers and spring assemblies from the vehicle.
- All accessories are included except the hydraulic hand pump, which must be purchased separately.



No. 5080 – Truck Front Leaf Spring, Pin & Bushing Service Set.

### Hub Oil Seal Puller

- Eliminates bearing and hub damage that can occur when a punch and hammer is used to remove the seal.
- Extra long 28" handle provides leverage, and the unique pulling head design quickly and easily removes the seal in one piece.
- This tool will last a lifetime! Built from the highest quality heat-treated steel.
- Removes hub seals on trailer and truck axles including truck steering axles.



No. 5085 – Hub Oil Seal Puller.

# The next evolution of Heavy-Duty Diagnostics

## Pro-Link® GRAPHIQ...

The handheld diagnostic scan tool for engine, transmission, ABS, and more.

- Large VGA sunlight readable color display.
- Graph up to 4 selected parameters to view relationships and trends over time.
- Display 8 lines of data in text mode with Enhanced Pro-Link GRAPHIQ™ software as listed below.\*
- Compatible with existing multi-protocol cartridge and standard Pro-Link® software\* which displays 4 lines of data as listed below.
- View and graph data points simultaneously.
- Factory-level diagnostic applications:\*
  - Proprietary Trouble Codes
  - OEM Data Parameters
  - Advanced Functional Tests
  - Reprogramming

\*Applications are sold separately.



The heavy-duty standard application provides the functions necessary to diagnose most SAE/TMC J1708/J1587 OBD electronic control system/engine, transmission, brakes, and instruments.

**No. 3104** – Heavy-duty Standard Kit includes: Pro-Link® GRAPHIQ with multi-protocol cartridge, HDS software, PCMCIA card, 6-pin & 9-pin Deutsch cable, data and power cable, manual and carrying case.

## Heavy-Duty Standard Lite Link™ Adapter

### Key Features:

- Connects PC or PDA to a heavy-duty vehicle data bus.
- Converts J1708 communications to RS-232 serial data.
- Compatible with commercially available RP1210A compliant Windows® based vehicle diagnostic applications.
- Data LED confirms active data transfer.
- Supports PDA vehicle diagnostic applications.
- One-year warranty.

### Lite Link™ kit includes:

- Heavy-Duty Standard Lite Link™ adapter
- 15' Null modem cable\*
- Driver installation CD and guide
- RP1210A API single-use license (for use with PC or PDA applications)
- 6-pin Deutsch adapter

**No. 3103** – Heavy-Duty Standard Lite Link™ Adapter.



## Pro-Link Plus Heavy-Duty Starter Kit

- Use with heavy-duty cartridges and PCMCIA cards.
- RS-232 serial port for connectivity to SpectraGas™, printer, or PC.
- Provides real-time vehicle data.
- On-screen trouble code definitions.
- Easy-to-use menus and message screens.
- 4-line, 20 character per line LCD display.



**No. 3101** – Pro-Link Plus Heavy-Duty Starter Kit.

## Heavy-Duty Standard (HDS) Kit For Palm® OS

- Provides engine, brake, transmission, and diagnostic data anywhere, at anytime.
- Compatible with all heavy-duty vehicle OEM ECUs that support generic SAE J1587/1708 messaging, including, but not limited to:
  - Allison Transmission
  - Caterpillar
  - Detroit Diesel
  - Mack Trucks
  - International
  - Bendix
  - Cummins
  - Eaton
  - Meritor WABCO
  - Volvo
- Quickly confirms PLC network communication and tests trailer ABS warning lamp.
- Easy to install and compatible with Palm® operating system version 3.0 and higher.
- One-year warranty on Lite Link™ adapter.



PDA Hand-held and Travel Cable not included

**No. 3105** – Heavy-Duty Standard Software Suite for Palm® OS, HDS Lite Link adapter (requires travel cable\*\*), 8' data communication cable, 8" 6-pin Deutsch vehicle connector, and installation instruction and operator's manual on a CD.

## Brake-Link™ Hand-Held Diagnostic Trailer Brake Tool

### Brake-Link™ ABS Coverage:

- Bendix EC-17, EC-30, and EC-30T
- Meritor WABCO Easy-Stop and Enhanced Easy-Stop
- Wabash National MBS-1P and MBS-2
- Eaton GEN4 and GEN5
- Haldex PLC, PLC Plus, and PLC Select

### Benefits Convenient Testing of the Following:

- Actuate modulators and valves
- Cycling of the brake retarder relays
- Testing of battery voltage
- Retrieval of ECU information
- Read trailer odometer/trip distance
- Trailer ABS system with PLC communications
- Auto-detects the OEM's ECU system configuration
- View and clear current and historic faults
- Wheel sensor testing and traction disabling
- Testing of the trailer's ABS "Test Warning Lamp"

**No. 3106** – Brake-Link™ Hand-Held Diagnostic Trailer Brake Tool, includes all cables and connectors required.



## Locknut Sockets

- These high-grade truck wheel bearing locknut sockets are made of high-strength steel and resist rounding out.
- For manual use only, impact wrench voids warranty.
- **Order individually by item number.**



Item	Drive	Point	Opening Size
1901	3/4"	(6 pt.)	2-3/32"
1902	3/4"	(6 pt.)	2-3/8"
1903	3/4"	(8 pt.)	2-3/8"
1904	3/4"	(6 pt.)	2-9/16"
1905	3/4"	(8 pt.)	2-9/16"
1906	3/4"	(6 pt.)	3"
1907	3/4"	(8 pt.)	3"
1908	3/4"	(6 pt.)	3-1/4"
1909	3/4"	(8 pt.)	3-1/4"
1910	3/4"	(6 pt.)	3-1/2"
1911	3/4"	(8 pt.)	3-1/2"
1912	3/4"	(6 pt.)	3-7/8"
1913	3/4"	(8 pt.)	3-7/8"
1914	3/4"	(6 pt.)	4"
1915	3/4"	(6 pt.)	4-1/8"
1916	3/4"	(6 pt.)	4-3/8"
1917	3/4"	(8 pt.)	4-3/8"
1918	3/4"	(6 pt.)	4-7/8"
1919	3/4"	(8 pt.)	4-7/8"
1920	3/4"	(6 pt.)	2-1/4"
1921	3/4"	(6 pt.)	2-1/2"
1922	3/4"	(6 pt.)	2-5/8"
1923	3/4"	(6 pt.)	2-3/4"
1924	3/4"	(8 pt.)	3-3/8"
1925	3/4"	(8 pt.)	3-3/4"
1926	3/4"	(6 pt.)	3-3/4"
1927	3/4"	(8 pt.)	3-13/16"
1928*	3/4"	(6 pt.)	2-9/16"
1932	3/4"	(6 pt.)	2-7/8"
1933	3/4"	(8 pt.)	2-7/8"
1934	3/4"	(6 pt.)	3-1/8"
1935	3/4"	(8 pt.)	3-1/8"
1936*	3/4"	(6 pt.)	2-3/8"
1937	3/4"	(8 pt.)	2-3/4"
1938	3/4"	(8 pt.)	4-1/2"
1939	3/4"	(6 pt.)	5-1/4"
1940	3/4"	(8 pt.)	4-1/8"
1941	3/4"	(8 pt.)	4-13/16"

\*Fits special "rounded" hex nut found on Dana axles of some Ford trucks.

The following are metric size wheel bearing locknut sockets.

1950M	3/4"	(6 pt.)	54 mm
1951M	3/4"	(6 pt.)	55 mm
1952M	3/4"	(6 pt.)	60 mm
1953M	3/4"	(6 pt.)	70 mm
1954M	3/4"	(6 pt.)	71 mm
1955M	3/4"	(6 pt.)	80 mm
1956M	3/4"	(8 pt.)	82 mm
1957M	3/4"	(8 pt.)	90 mm
1958M	3/4"	(8 pt.)	94 mm
1959M	3/4"	(8 pt.)	106 mm
1960M	3/4"	(8 pt.)	110 mm
1961M	3/4"	(8 pt.)	120 mm
1962M	3/4"	(8 pt.)	100 mm

## Truck Pinion Sockets

We've designed and built these sockets to have the proper clearance for yoke and locknut assemblies on a variety of truck transmissions and differentials. The sockets have 3" of usable depth and are 4" long. Using the right tools saves time and effort and eliminates the need to destroy standard sockets by grinding them down to fit tight pinion clearances.

- For manual use only, impact wrench voids warranty.
- **To order individually use item number listed below.**

**No. 9814** – Comes complete with tool board and six sockets, 1975 thru 1980 listed below (No. 1981 is not included).



Item	Drive	Point	Opening Size
1975	3/4"	(6 pt.)	2"
1976	3/4"	(6 pt.)	2-1/8"
1977	3/4"	(6 pt.)	2-1/4"
1978	3/4"	(6 pt.)	2-3/8"
1979	3/4"	(6 pt.)	2-5/8"
1980	3/4"	(6 pt.)	2-3/4"
1981	3/4"	(6 pt.)	2-1/2"

## Budd Wheel Socket Set (5 piece)

- One each of the sockets listed below comes in a convenient storage box.
- The metric sizes work on the import truck Budd wheels, and the 1-1/2" hex is for American-made trucks with dual rear wheels.
- Extra-deep design lets you remove both nut and stud with just one socket.
- Useable with a 1" square drive impact wrench.
- **To order individually use item number listed below.**

**No. 1944** – Budd Wheel Socket Set comes complete with the five sockets listed below in a molded plastic case.



Individual Item	Drive	Opening Size
1945A	1"	35 mm hex
1946A	1"	38 mm hex
1947A	1"	41 mm hex
1948A	1"	33 mm hex
1949A	1"	1-1/2" hex

# Quick Lift

## 3-1/2 Ton Service Jack

- Gets to the load quickly.
- One pump to load, three pumps to full height unloaded.
- Extra wide lift range – from 4" to 21".
- A long 48" spring-loaded handle provides rapid return after each pump.
- Heavy-duty construction – rolled edges add strength and resist twisting.
- Pinned 4-3/4" saddle will not lift off during use.
- 2-year Limited Warranty.

**No. 1526** – Quick Lift 3-1/2 Ton Service Jack.



## 5 and 10-Ton Hydraulic Service Jacks

- A built-in safety overload prevents using the jack beyond its rated capacity.
- A convenient foot pedal speeds the lifting operation, handle lock and release control are located on top of the handle. Handle can be locked into any position from vertical to horizontal.
- Both models have spring-loaded 40" handle.

**No. 1505B** – 5-ton capacity with a lifting range of 6" to 22", reach 47", frame height 7-3/4", and floor space of 56" x 14-3/4".

**No. 1510B** – 10-ton capacity with a lifting range of 5-3/4" to 22", reach 51", frame height 9-3/4", and floor space of 60" x 18".

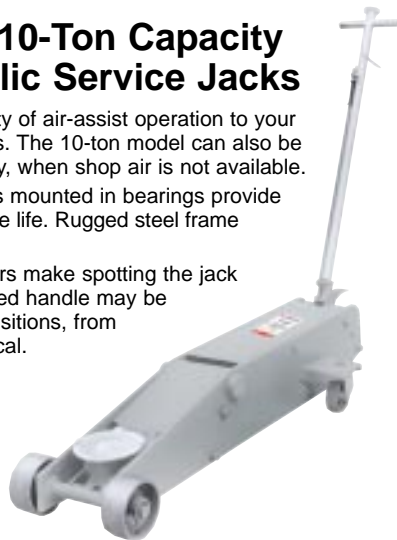


## 5-Ton and 10-Ton Capacity Air/Hydraulic Service Jacks

- Bring the versatility of air-assist operation to your shop's lifting tasks. The 10-ton model can also be operated manually, when shop air is not available.
- Huge front wheels mounted in bearings provide trouble-free service life. Rugged steel frame members.
- Rear swivel casters make spotting the jack easy. Spring-loaded handle may be locked in three positions, from horizontal to vertical.

**No. 1507A** – 5-ton Air/Hydraulic Service Jack.

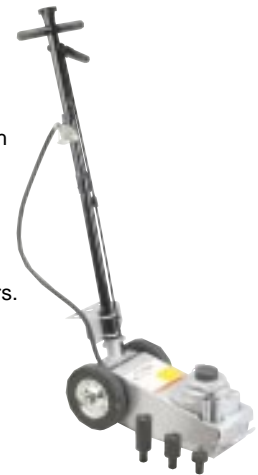
**No. 1511A** – 10-ton Air/Hydraulic Service Jack.



## 22-Ton Capacity Under-Axle Jack

- Long 51" T-handle for easy positioning under vehicles with long overhangs.
- Jack has large rubber-tired wheels.
- Lifting range: 8-1/4" min. and a max. height of 17" with adapter. Includes four adapters.
- Cylinder stroke is 4-1/2".
- PSI range is 90–145.

**No. 1788A** – Under-Axle Jack.



- Competitively priced
- Two-year limited warranty

## 20-Ton Hydraulic Service Jack

- Built of the highest quality heavy-gauge steel, this jack features precision hydraulics for a lifetime of hard work.
- Low-profile stance and extended height add to versatility. This jack will lift everything from cars, to trucks, to heavy-duty commercial vehicles. Huge metal wheels and swivel casters roll effortlessly on internal bearings.
- Either the foot pedal or jack handle may be used for pumping action. Counterbalanced, spring-assisted handle has a three-position lock.
- Lifting range is 7-1/2" to 24" with a frame height of 10-1/4" and overall reach of 96". Handle length is 42" and saddle diameter is 7-1/2".

**No. 1512** – 20-ton Service Jack.



## Ratchet Style Jack Stands

- Formed and welded steel base for strength, self-locking ratchet handle that cannot be released under load. Durable baked enamel finish resists corrosion.
- Stands conform to ANSI PALD-4 load rating standard, are factory tested before shipment.

**No. 1773C** – Pair of 6-ton Jack Stands. Base: 11-7/16" x 10". Height range: 15-3/4" to 24".

**No. 1784B** – Pair of 12-ton Jack Stands. Base: 12-5/8" x 11-3/8". Height range: 18-1/8" to 28".



## 1,000 lb. Capacity Low-Lift Transmission Jack

- Universal mounting head, with adjustable brackets, tilts front to back and side to side.
- Height range: 6-1/2" to 29-1/2".
- Wide wheel base with four swivel casters and two handle grips, makes positioning unit easy.
- Safety overload prevents use beyond its rated capacity.



**No. 1521** – 1,000 lb. Capacity Low-Lift Transmission Jack.

## 2,000 lb. Capacity Low-Lift Transmission Jack

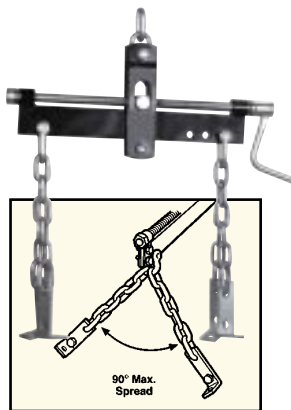
- Adapter plate for Eaton® Fuller® Road Ranger® transmissions.
- Covered by the OTC Stinger two-year Warranty.
- Height range: 6-1/2" to 35".
- Safety overload prevents use beyond its rated capacity.



**No. 1522** – 2,000 lb. Capacity Low-Lift Transmission Jack.

## 1,500 lb. Capacity Engine Load Leveler

- 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.



**No. 4305** – 1,500 lb. Capacity Engine Load Leveler.

## Air/Hydraulic Bottle Jacks

- Operate manually or pneumatically, 100 PSI minimum air pressure required.

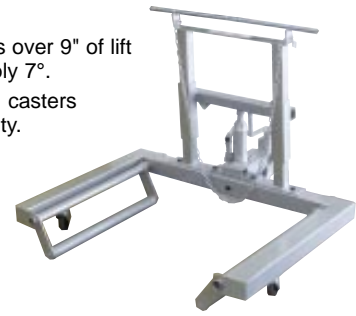
**No. 4313A** – 12-ton air-assist bottle jack; lift range 9-1/2" to 18-5/8"; 3-1/4" screw.

**No. 4321A** – 20-ton air-assist bottle jack; lift range 9-3/4" to 15-3/4".



## Truck Dual Wheel Dolly

- 1,500 lb. capacity.
- Hydraulic jack provides over 9" of lift and tilts wheel assembly 7°.
- Wheel dolly has swivel casters for easy maneuverability.
- 6' chain holds load in place.



**No. 1769** – Truck Dual Wheel Dolly.

## Folding Floor Cranes

- These cranes fold up for compact storage, out of your way.
- Front wheels are 3-1/2" with 5-7/8" rear casters.

**No. 2002** – 2000 lb. capacity folding floor crane with a reach of 24" to 36". Maximum capacity with boom extended: 500 lbs.

**No. 2004** – 4000 lb. capacity folding floor crane with a reach of 26" to 47". Maximum capacity with boom extended: 1,000 lbs.



## 12- & 20-Ton Bottle Jack Presses

- Ideal for pressing, bending, straightening jobs; or replacing gears, bearings, and bushings.

**No. 2019** – 12-ton capacity bottle jack press. Bed width: 8-3/4" x 24". 72" high.

**No. 2020** – 20-ton capacity bottle jack press. Bed width: 12-3/8" x 31-3/4". 72" high.



## Air/Hydraulic Pump

- Pump operates on shop air (40-100 PSI/ 9 scfm consumption), driving a variety of single acting rams, presses, and hydraulic pullers operating at up to 10,000 PSI.
- 98 cu. inches of useable oil.
- Two-stage release mechanism; internal relief valve.
- Pump, hold, or release load with foot lever control.



**No. 2510** – Air/Hydraulic Pump.

## Stinger Hydraulic Bottle Jacks

- Competitively priced with quality and reliability you expect.
- These jacks can be used vertically or horizontally.



**No. 4302A** – 2-ton jack, minimum height 7-1/8" x stroke 6-3/4", 2" screw adjustment length.

**No. 4304A** – 4-ton jack, minimum height 7-5/8" x stroke 4-5/8", 2-3/8" screw adjustment length.

**No. 4306A** – 6-ton jack, minimum height 8-1/2" x stroke 5", 2-3/4" screw adjustment length.

**No. 4308A** – 8-ton jack, minimum height 9-1/16" x stroke 6-3/4", 3-1/8" screw adjustment length.

**No. 4312A** – 12-ton jack, minimum height 9-1/4" x stroke 5-3/4", 3-1/8" screw adjustment length.

**No. 4314A** – 12-ton short jack, minimum height 6-1/8" x stroke 4-5/16", 1-1/2" screw adjustment length.

**No. 4320A** – 20-ton jack, minimum height 9-5/8" x stroke 6-3/4", 2-3/8" screw adjustment length.

**No. 4322A** – 20-ton short jack, minimum height 6-3/8" x stroke 6-3/4", 1-3/8" screw adjustment length.

**No. 4332A** – 32-ton jack, minimum height 10-1/4" x stroke 6-11/16", no screw.

**No. 4350** – 50-ton jack, minimum height 9-1/2" x stroke 5-3/8", no screw.



- Competitively priced
- Two-year limited warranty

## Stinger Series 4-Ton & 10-Ton Collision Repair Sets

- Components snap together for quick setups to apply pushing, spreading, or pulling force.
- Components include hydraulics along with extension tubes, adapters, and heavy-duty storage case.

**No. 1513A**  
4-Ton Collision Repair Set. Ram has 4" stroke.

**No. 1515A**  
10-Ton Collision Repair Set. Ram has 6" stroke. Storage case comes with wheels.



## 5-Ton Bar-Type Puller/Bearing Separator Set

- This combination set includes our two most popular bearing "splitters" (2" and 3"), four sets of hex push-puller legs and a bar-type puller head with a 9/16" forcing screw. Separator tools are used with bar puller and legs for a wide variety of pulling jobs.
- The 5" puller cross-bar with a 6-1/4" forcing screw and each of the bearing separators may be used separately or in combination with other pullers or tools.
- Housed in a blow-molded plastic storage case.



**No. 4518** – Bearing Separator/Bar-Type Puller Set.

## Multipurpose Bearing and Pulley Puller Set

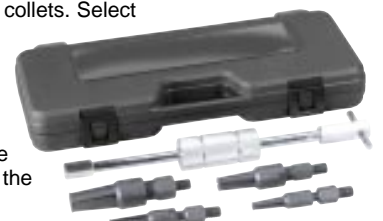
- For a wide range of pulling jobs, including bearings, alternators, generators, power steering and crankshaft pulleys, timing gears, and harmonic balancers.
  - Set includes drop-forged components, which can be used in a variety of combinations.
- Contents of Set:
- 2 – Clamp Bolts
  - 3 – Pairs of Capped Bolts
  - 2 – Forcing Screws (Live Center): 3/4"-16 x 6-11/16" and 3/4"-16 x 5"
  - 2 – Cross-bar Yokes: 3 pin-hole @ 3-1/4" to 5-1/2", 2 pin-hole @ 2-3/8" to 3-3/8"
  - 3 – Pairs of Puller Jaws: 1-3/8", 1-5/8", and 1-3/4" max.
  - 1 – Pair of Jaw Pins with Ball Spring
- Spread: 3" to 5", Reach: 1" to 2-1/4"
  - Housed in a blow-molded plastic storage case.



**No. 4534** – Multipurpose Bearing and Pulley Puller Set.

## Blind Hole Bearing Puller Set

- For pulling jobs requiring an internal pull.
- Set includes four collets. Select the appropriate sized collet by comparing it with the application. Insert the collet, expand it to fit the hole, then attach the slide hammer.
- Four collet sizes: 3/8" to 1/2", 9/16" to 11/16", 5/8" to 1", and 1" to 1-1/4".
- Set includes a 2-1/2 lb. slide hammer with T-handle.
- Housed in a blow-molded plastic storage case.



**No. 4581** – Blind Hole Bearing Puller Set.

## Bearing Race and Seal Driver Set (10 piece)

- Permits installation of tapered bearing races and seals without damage to the component or housing. Includes a driver handle plus popular bearing and seal drivers ranging from 1.565" to 3.180".
- Tapered side of driver is used to install races. Invert the driver to the flat side to install seals. Set is housed in a blow-molded plastic storage case.
- Includes driver handle with bolt, plus these tool sizes: 1.565", 1.750", 1.965", 2.325", 2.470", 2.555", 2.830", 2.995", and 3.180".



**No. 4507** – Bearing Race and Seal Driver Set (10 piece).

## Heavy-Duty Snap Ring Pliers Set (2 piece)

- Heat-treated steel "circlip" pliers for large equipment repair. Replaceable tips and spring ratchet locking mechanism to securely hold against snap ring tension.
- Internal plier's capacity 3-1/16" to 6-1/4" (78mm to 159mm) snap rings.
- External plier's capacity 3-1/2" to 6-1/2" (89mm to 165mm) snap rings.
- Blow-molded storage case includes extra sets of replaceable 0.12" (3mm) dia. tips: straight, 45°, and 90°.



**No. 4513** – Heavy-Duty Snap Ring Pliers Set.

## Bushing Driver Set (19 piece)

- Enables you to remove and install bushings ranging from 3/8" to 1-3/8" in diameter, as used in cars, trucks, tractors, construction equipment, electric motors, and many other components having bushings.
- Includes: Large, medium, and small driver handles with nuts; sixteen bushing adapters ranging from 3/8" to 1-3/8".
- Housed in a blow-molded storage case.



**No. 4505** – Bushing Driver Set (19 piece).

## Ratcheting Chain Wrench - 20"

- Ratcheting action makes it possible to re-grip without removing wrench.
- Handles parts of most any shape... round, square, hexagon, or octagon.
- Handle is 20" long; chain grips objects ranging from 3" to 6-1/2" O.D.



**No. 4501** – Ratcheting Chain Wrench - 20".

## Ratcheting Chain Wrench - 12"

- Works on many different-shaped objects, such as square, round, hexagon, oval, etc.
- Handle is 12" long; chain grips objects ranging from 1/2" to 4-1/2" O.D.



**No. 4500** – Ratcheting Chain Wrench - 12".

## Snap Ring Pliers Set - Internal/External

- For internal or external snap rings; thumbscrew permits quick conversion. Made of heavy-gauge tempered steel. Also includes two stainless steel handled picks.
- Contained in a blow-molded plastic storage case.
- Contents of Set:
 

No. 4512-1	.090" tip - straight pliers
No. 4512-2	.090" tip - 90° pliers
No. 4512-3	.070" tip - straight pliers
No. 4512-4	.070" tip - 90° pliers
No. 4512-5	.047" tip - straight pliers
No. 4512-6	.047" tip - 90° pliers
No. 4512-7	.038" tip - straight pliers
No. 4512-8	.038" tip - 90° pliers
No. 4512-9	Straight tip pick
No. 4512-10	90° tip pick

**No. 4512** – Snap Ring Pliers Set.



## 7-in-1 Wire Stripper and Crimper

- Strips insulation off electrical wires ranging from 10 AWG—22 AWG (0.6mm—2.6mm) in diameter. Pliers on tip of jaw for looping or grabbing wire in tight places.
- Heat-treated steel jaws cut solid or multi-strand wire.
- Screw cutter shears screws clean, with no thread clean-up required. Works on machine screw sizes 4-40, 5-40, 6-32, 8-32, 10-24, and 10-32.
- Crimps insulated and non-insulated wire terminals, 7mm—8mm spark plug wire connectors.



**No. 4498** – 7-in-1 Wire Stripper and Crimper.

## Ratcheting Terminal Crimper

- Heavy-gauge steel crimping tool designed for insulated wire terminals.
- Ratcheting action crimps terminal to correct tightness on the wire, making crimping fast and easy.
- For wire sizes: AWG 22–18 (0.6 mm–1.0 mm) red terminal; AWG 16–14 (1.3 mm–1.6 mm) blue terminal; AWG 12–10 (2.0 mm–2.6 mm) yellow terminal.
- Insulated handles with compound mechanical leverage for power.



No. 4497 – Ratcheting Terminal Crimper.

## Angle-Tip Relay Pliers

- Designed to remove and install relays, which are usually located in confined, hard-to-reach areas.
- Specially coated tips offer a solid grip on the relay.



No. 4493 – Angle-Tip Relay Pliers.

## Interchangeable Punch and Chisel Set

- Safety protective handle allows easy grip and protects hand from being hit by hammer.
- 12 punches and chisels:
  - 1 **cape chisel**: 1/4" wide blade
  - 5 **flat chisels**: 1/2", 5/8", 3/4", 7/8", and 1" wide blades
  - 2 **taper punches**: 1/8" and 1/4" diameter
  - 2 **pin punches**: 3/16" and 1/4" diameter
  - 2 **center punches**: 1/8" and 3/16" diameter
- Double-locking ball detent holds punch or chisel securely in the driver handle.



No. 4605 – Interchangeable Punch & Chisel Set.

## Truck Brake Spring Pliers

- Designed to remove and install the brake shoe return springs on medium-duty and heavy-duty drum brakes.



No. 4592 – Truck Brake Spring Pliers.

## 3-Leg Oil Filter Wrench

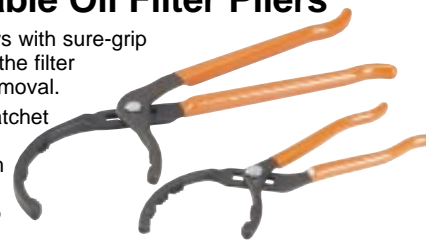
- Fits filter diameters ranging from 2-1/2" to 5-1/4" (65 mm to 135 mm).
- Knurled legs provide extra gripping power.
- To turn the tool, use a 1/2" drive ratchet in the ratchet drive or a 13/16" wrench on the nut.



No. 4568 – 3-Leg Oil Filter Wrench.

## Adjustable Oil Filter Pliers

- Forged jaws with sure-grip teeth grab the filter for easy removal.
- Slip-joint ratchet and lock mechanism allows a secure grip on filters.



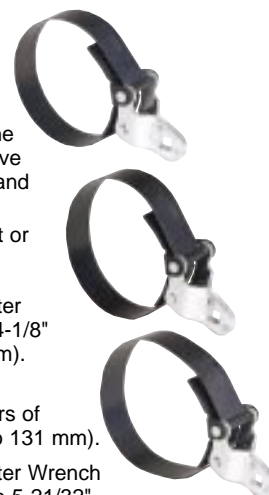
No. 4560 – Small Adjustable Oil Filter Pliers. Pliers is 13-1/2" long and fits filters ranging from 2-1/4" to 5" (57 mm to 127 mm) in diameter.

No. 4561 – Large Adjustable Oil Filter Pliers. Pliers is 18" long and fits filters ranging from 3-3/4" to 7" (95 mm to 178 mm) in diameter.

No. 4562 – Adjustable Oil Filter Pliers Set. Includes both the No. 4560 and No. 4561 listed above.

## Heavy-Duty Oil Filter Wrenches

- Features a 1/2" wide steel band that can stand up to the high torque needed to remove filters from trucks, tractors, and other heavy equipment.
- Use with a 1/2" drive ratchet or breaker bar.



No. 4555 – Heavy-Duty Oil Filter Wrench for filter diameters of 4-1/8" to 4-21/32" (104 mm to 118 mm).

No. 4556 – Heavy-Duty Oil Filter Wrench for filter diameters of 4-21/32" to 5-5/32" (118 mm to 131 mm).

No. 4557 – Heavy-Duty Oil Filter Wrench for filter diameters of 5-5/32" to 5-21/32" (131 mm to 144 mm).

## Snap-Style Oil Filter Wrench

- Fits filter diameters up to 6" (152.4 mm).
- Features a strong, nylon strap that won't slip off the filter.
- Use with a 1/2" drive ratchet or breaker bar.



No. 4577 – Snap-Style Oil Filter Wrench.

## 2-Way Oil Filter Wrench

- Fits filter diameters ranging from 2-1/2" to 4-3/4" (65 mm to 120 mm).
- Use to loosen or tighten oil filters; short-prong design makes the tool easy to use in tight areas.
- To turn the tool, use a 1/2" drive ratchet in the ratchet drive or a 13/16" wrench on the nut.



No. 4569 – 2-Way Oil Filter Wrench – 3-Prong.

### Deluxe UV Inspection Kit with LED Lamp

**Kit includes:**

- Powerful 50-watt/12-volt UV lamp with cord and battery clips.
- Injection gun with R-134a hose and R-12 adapter.
- Four universal A/C dye twist-on cartridges (No. 16356, 1oz./30 ml). Enough dye for 20 applications. (OEM-approved and SAE-certified dye.)
- UV enhancing glasses with dye cleaner.



**No. 16350** – Deluxe UV Inspection Kit with LED Lamp.

### Refrigerant Recovery/Recycling for Multiple Refrigerants

- Recovers, recycles, evacuates and recharges R-12, R-134a, R-22, R-502 MP and HP blends, and many more.
- Ideal for refrigerated trailers, buses, RVs with multiple refrigerants.
- Lockout panel prevents mixing of refrigerants.
- Comes with two 50-pound tanks.



**No. 17800B** – Refrigerant Recovery/Recycling for Multiple Refrigerants.

### Refrigerant Identifier – Plus

- Displays the actual percent of R-12, R-134a, R-22 and air in the system or tank.
- Visual and audible hydrocarbon alarm.
- On-board printer port.
- Air purge.



**No. 16910** – Refrigerant Identifier – Plus.

### R-134a Refrigerant Recovery and Recycling

- Fully automatic function lets you recover, vacuum leak test, charge, then walk away.
- Redesigned user interface is easier to use than ever.
- English, Spanish, and French languages are standard.
- Large, easy-to-read gauges.
- UL certified, meets SAE J-2210.



**No. 34700Z** – R-134a Refrigerant Recovery and Recycling.

### R-134a Side Wheel Manifold with Hoses

- Includes manifold with three 72" color-coded hoses and automotive field service couplers.
- Solid forged brass bar, universal gauges, and flexible holster.



**No. 40134A** – R-134a Side Wheel Manifold with Hoses.