

PSL0105 Rev. 1 01/13



6DAH 306

6DAH 308

6DAH 3012

Precision manufactures the 6DAH-Series jacks from a hardened steel to exacting specifications. The result is a durable, lightweight, and compact stressing jack. These attributes make the 6DAH-Series the jacks of choice for elevated construction projects.

- Hollow Double-acting jacks with anti-rotation handle
- 6DAH306 - 30 ton, stresses up to .6" strand with 6" stroke
- 6DAH308 - 30 ton, stresses up to .6" strand with 8" stroke
- 6DAH3012 - 30 ton stresses up to .6" strand with 12" stroke
- Effective Area: 5.47 in²
- Additional wedge sizes available, contact *Precision*

From stressing accessories to hardware, *Precision* carries the most complete line of jacks and related components in the industry.

*Compact, lightweight,
double-acting – ideal for
elevated construction projects.*

ENERPAC 

PRECISION SURE-LOCK®

Stressing Jacks

6DAH306, 6DAH308, 6DAH3012 30 Ton Jacks

About Our Company

Precision offers a complete line of anchors, chucks, wedges, and jack stressing systems for the post tension, prestress and mining industries. With over 30,000 square foot of manufacturing space, we are located in Seagoville, Texas, just south of Dallas. Our dedication and commitment to excellence have made our company the leading supplier to these industries.

Double-Action System

The 6DAH-Series jacks are double-acting, meaning that the jacks advance and retract using hydraulic power. After the desired stressing pressure is achieved, the valve on the pump is switched to the retract position. Engaging the pump causes the jack to begin its return stroke.

The grippers are hydraulically released from the strand when the jack is fully retracted.

Capacities

6DAH-Series, 30-ton jacks, stress strand up to .6" in diameter. For use with smaller strand, jack grippers of different sizes are available. Eight inch and 12" stroke jack assemblies are in stock for immediate delivery.

Systems and Parts

The 6DAH-Series jacks can be purchased as single complete units with pump, hoses, and gauge.

Precision is a division of *Enerpac* and we carry all of the pumps and valves necessary to operate our jack systems, along with a full line of replacement parts.

Changing Grippers

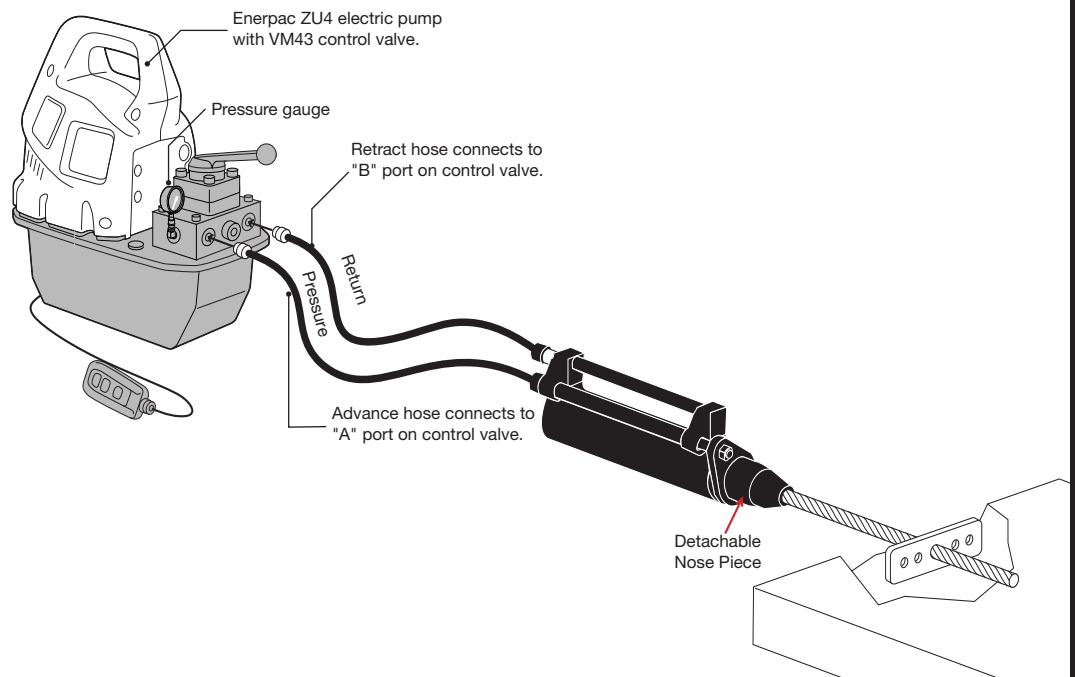
Grippers can be changed due to wear or to tension different size strands. The Jacks are shipped set-up with grippers for .6" strand. Optional Grippers are available for .5" strand, as well. For other sizes, contact Precision SURE-LOCK for information.

To change the grippers, remove the Nose Piece and Head to expose the Gripper Housing. Un-screw the Gripper Housing and remove the old grippers, one at a time, from the back of the Gripper Housing. Insert the new Grippers, one at a time, into the rear of the Gripper Housing. Re-assemble the Head and Nose Piece to the correct torque and the Jack is ready to go. See figure 2.



▼ SPECIFICATION CHART

| Tool Capacity (ton) | Seater Type | Strand Diameter Standard (in) | Model Number | Tool Operation | Stroke (in) | Oil Capacity (in ³) | Tool Effective Area (in ²) | Max. Pressure (psi) | Weight (lbs) |
|------------------------|-------------|----------------------------------|------------------|----------------|----------------|------------------------------------|---|------------------------|-----------------|
| 30 | Spring | 0.60 | 6DAH-306 | D/A | 6.0 | 32.8 | 5.47 | 10,000 | 44 |
| 30 | Spring | 0.60 | 6DAH-308 | D/A | 8.0 | 43.7 | 5.47 | 10,000 | 48 |
| 30 | Spring | 0.60 | 6DAH-3012 | D/A | 12.0 | 65.6 | 5.47 | 10,000 | 61 |

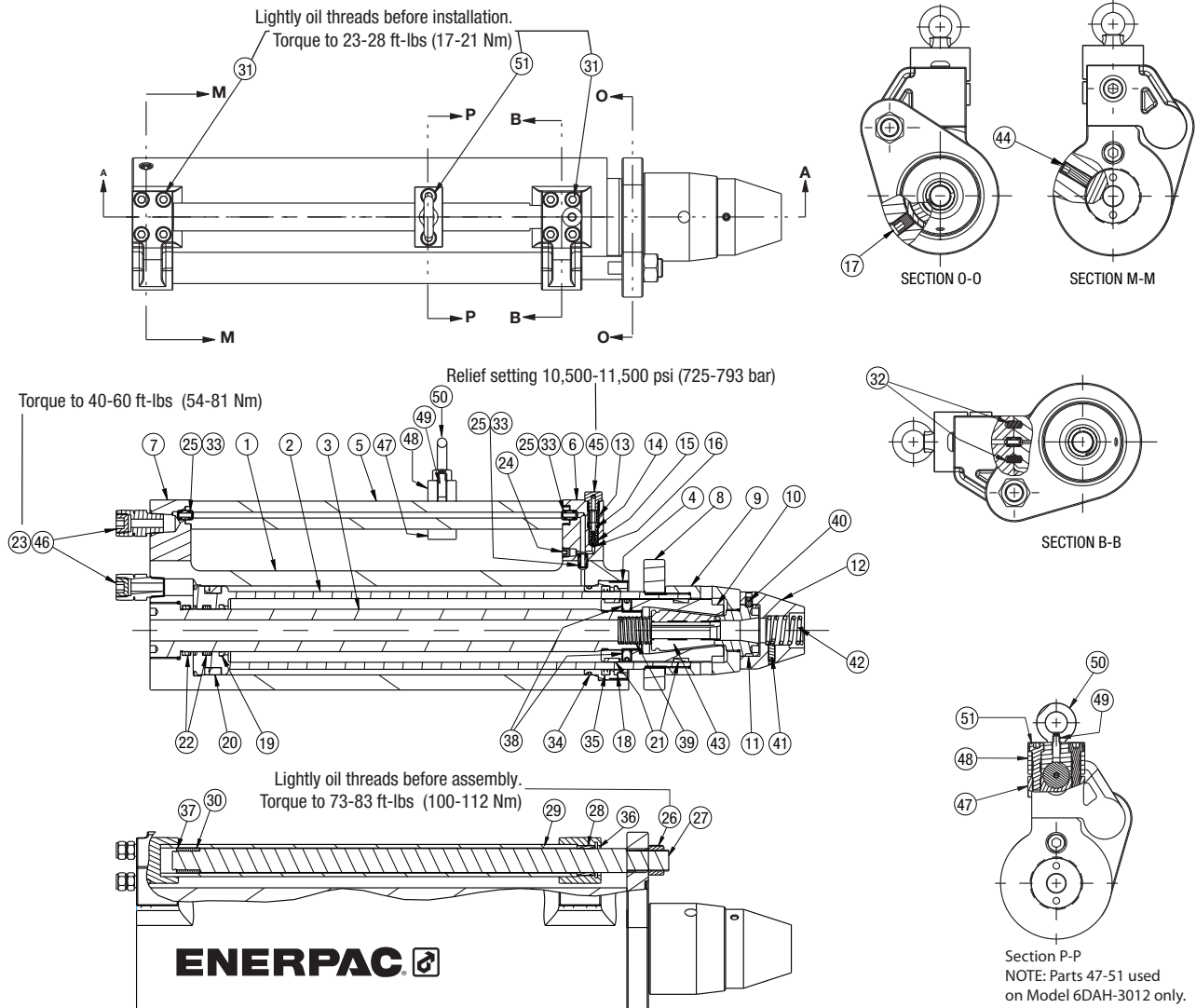


6DAH306, 6DAH308, 6DAH3012

30 Ton Jacks

Stressing Jacks

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| Item | 6DAH306 Model No. | 6DAH308 Model No. | 6DAH3012 Model No. | Description | Qty. |
|------|-------------------|-------------------|--------------------|---|------|
| 1 | 6DAH306FS | 6DAH308FS | 6DAH3012FS | PT Jack, 150mm, 200mm, & 300mm stroke subassembly | 1 |
| 1 | DD2434030 | DD2433030 | DD2432030 | Cylinder, 150mm, 200mm, & 300mm stroke | 1 |
| 2 | DD2430040 | DD2431040 | DD2429040 | Plunger, 150mm, 200mm, & 300mm stroke | 1 |
| 3 | DD2450268 | DD2451268 | DD2449268 | Center tube, 150mm, 200mm, & 300mm stroke | 1 |
| 4 | DD2442044 | DD2442044 | DD2442044 | Stop Ring | 1 |
| 5 | DD2816070 | DD2815070 | DD2814070 | Handle, 150mm, 200mm, & 300mm stroke | 1 |
| 6 | DD2749840 | DD2749840 | DD2749840 | Boss, upper | 1 |
| 7 | DD2750840 | DD2750840 | DD2750840 | Boss, lower | 1 |
| 8 | DD2775013 | DD2775013 | DD2775013 | Guide Ring | 1 |
| 9 | DD2441264 | DD2441264 | DD2441264 | Head | 1 |
| 10 | DD2440489 | DD2440489 | DD2440489 | Collet Chuck | 1 |
| 11 | DD2446013 | DD2446013 | DD2446013 | Guide | 1 |
| 12 | DD2783005 | DD2783005 | DD2783005 | Nose | 1 |
| 13 | DC1185048 | DC1185048 | DC1185048 | Set Screw | 1 |
| 14 | A8126110 | A8126110 | A8126110 | Spring | 1 |
| 15 | A8038570 | A8038570 | A8038570 | Ball Cap | 1 |
| 16 | B1003016 | B1003016 | B1003016 | Ball | 1 |

Cont.

Stressing Jacks

6DAH Stressing Jack

| Item | 6DAH306 Model No. | 6DAH308 Model No. | 6DAH3012 Model No. | Description | Qty. |
|------|----------------------|----------------------|-----------------------|--|------|
| 17 | CCA1219028-5A | CCA1219028-5A | CCA1219028-5A | Set Screw | 1 |
| 18 | CR77044 | CR77044 | CR77044 | Wiper | 1 |
| 19 | DD2771776 | DD2771776 | DD2771776 | Center tube wiper | 1 |
| 20 | DD2764041 | DD2764041 | DD2764041 | Polypak piston seal with PIP ring | 1 |
| 21 | DD3924155 | DD3924155 | DD3924155 | Wear Ring | 2 |
| 22 | DD2767041 | DD2767041 | DD2767041 | Polypak Seal | 2 |
| 23 | FZ1660 | FZ1660 | FZ1660 | #3/8-3/8 NPT SWIVEL FITTING | 2 |
| 24 | A1006245 | A1006245 | A1006245 | 0.063 NPTF Flush plug, Teflon coated | 1 |
| 25 | DD2809268 | DD2809268 | DD2809268 | Tube, connector | 3 |
| 26 | CBE1160120-1D | CBE1160120-1D | CBE1160120-1D | Nut | 1 |
| 27 | DD2762268 | DD2763268 | DD2439268 | Antirotation rod, 150mm, 200mm, & 300mm stroke | 1 |
| 28 | DD2784039 | DD2784039 | DD2784039 | Bushing | 1 |
| 29 | DD2819268 | DD2818268 | DD2817268 | Guide Tube, 150mm, 200mm, & 300mm stroke | 1 |
| 30 | DD2782039 | DD2782039 | DD2782039 | Bushing | 1 |
| 31 | CBA829028-1A | CBA829028-1A | CBA829028-1A | SHCS, M8 X 40 | 8 |
| 32 | CAA615061-2B | CAA615061-2B | CAA615061-2B | PIN, 6mm DIA X 12 mm | 4 |
| 33 | B1003503 | B1003503 | B1003503 | O-Ring | 6 |
| 34 | B1149903 | B1149903 | B1149903 | O-Ring | 1 |
| 35 | B1334514 | B1334514 | B1334514 | GT Ring | 1 |
| 36 | DD2780249 | DD2780249 | DD2780249 | Circlip | 1 |
| 37 | DD2781049 | DD2781049 | DD2781049 | Circlip | 1 |
| 38 | DD2772009 | DD2772009 | DD2772009 | Nylon Set Screw | 2 |
| 39 | DD2770110 | DD2770110 | DD2770110 | Spring | 1 |
| 40 | CCA613028-5A | CCA613028-5A | CCA613028-5A | Set Screw | 1 |
| 41 | CCA619028-5C | CCA619028-5C | CCA619028-5C | Set screw cone point | 1 |
| 42 | DD2823110 | DD2823110 | DD2823110 | Spring | 1 |
| 43 | 504910 | 504910 | 504910 | Gripper, 0.6" Kit | 1 |
| 44 | CCA1023028-5A | CCA1023028-5A | CCA1023028-5A | Set Screw | 1 |
| 45 | DD3914009 | DD3914009 | DD3914009 | Deflector Plug | 1 |
| 46 | A1009245 | A1009245 | A1009245 | 0.375 NPTF Flush plug, teflon coated | 2 |
| 47 | - | - | DD4343111 | Bracket, Lower | 1 |
| 48 | - | - | DD4344111 | Bracket, Upper | 1 |
| 49 | - | - | DD4405305 | Stud, M8 | 1 |
| 50 | - | - | DD4345667 | Eye Nut, M8 | 1 |
| 51 | - | - | CBA827028-1A | SHCS, M8 X 35 | 2 |

1. Improper care and use of stressing equipment may result in property damage, and/or personal injury. Only trained, qualified personnel should be allowed in the immediate vicinity of equipment during use. Personnel doing the stressing and inspectors should remain clear of the strand being stressed at all times. Never permit anyone to stand in the immediate vicinity of the jack and the pump while stressing.
2. Position the jack on the strand to be stressed and push forward until the jack nose bears on the anchor. Never attempt to adjust the position of the jack, either by striking or pushing after any load has been applied. Remove the jack and reposition if necessary.
3. Place the pump 4-way valve in stressing position.
4. Operate the pump by use of the pendent switch. (Use of the pendent switch allows the operator to stand at the side of the pump, out of harm's way, should the strand or jack grippers fail.)
 - a. Start pump motor and run until proper pressure is indicated on the pressure gauge.
 - b. Switch 4-way valve to retract position.
 - c. When the jack is fully retracted, stop the pump and switch the 4-way valve to stressing position. The grippers should release hydraulically. It is important to stop the pump and switch the valve quickly to avoid excessive pressure build-up in the jack after it has completely returned. This excessive pressure build-up can cause premature failure of the jack seals, hoses and fittings.

SCJ-Short Cable Jack



- Safe and effective for pulling 4" cables.*
- No need for chairs or other cumbersome accessories.
- Gripper jaws release when jack is fully retracted.
- Requires only single hose and standard pump.
- Uses standard 10" stroke cylinders; other strokes are available - call for quote.
- Replacement parts readily available.

* For shorter cables, consult factory.

Don'ts of Stressing

Stressing Jacks

1. Don't stress any tendons which contain concrete slurry inside the anchor cavity. Concrete in the anchor cavity will prevent proper seating of the wedges. It is safer and less expensive to clean out concrete slurry than to have detension, repair or replace tendons, or repair the jack.
2. Don't use the jack when you can see that it does not seat properly on the face of the anchor.
3. Don't overstress tendons in order to achieve proper elongation.
4. Don't allow obstructions in the path of the jack extension.
5. Don't use extension cords longer than 100 ft. (30m) or less than 3 wire, 12 gauge.
6. Don't continue stressing if you suspect that something is not working properly.
7. Don't detension with loose plates, spacing shims or piggy backing.
8. Don't stand in immediate vicinity of the jack, or between the jack and the pump during stressing or detensioning.
9. Don't permit other workmen in the immediate area of the jack or pump during stressing operations.
10. Don't hammer or beat on the jack or jack cylinders.
11. Don't do anything if your not sure – ask someone who knows.

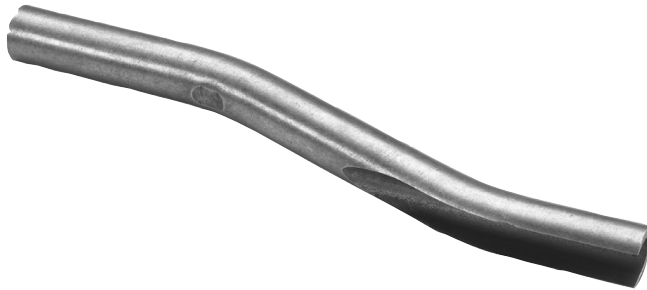
ALL OF THE INFORMATION LISTED IS MEANT TO BE A GENERAL GUIDELINE FOR OPERATION OF POST TENSION STRESSING EQUIPMENT. THE POST TENSIONING INSTITUTE PUBLISHES A "FIELD PROCEDURES MANUAL FOR UNBONDED SINGLE STRAND TENDONS" WHICH CAN BE OBTAINED BY CALLING (248) 848-3180.

Stressing Accessories

ZU4908PB Enerpac Pump with Powerseat Valve



Hand Wedge Setter

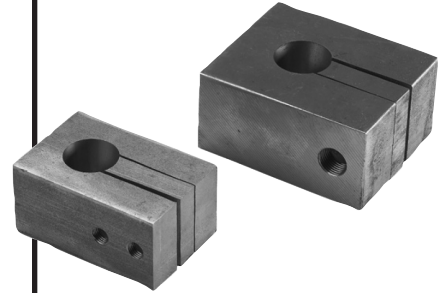


Reusable Splice Chuck and Short Cable Tube with Detachable Nose Piece



Stressing Jacks

.5" Trouble Shooting Anchor
.6" Trouble Shooting Anchor



Jack Feet



5DA1 Grippers with Handle, Standard Grippers with Handle



Chrome Pulling Wedges



Precision manufactures and stocks a broad line of hardware and equipment for the Prestress, Mining and Post Tension Industries.



Sure-Lock® Multi-Use Chucks

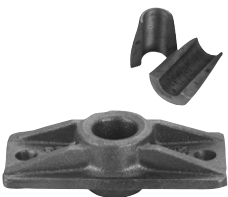
Designed for repeated use, Sure-lock® spring-loaded chucks are 100% mag particle inspected for cracks and imperfections, and each body is proof-tested to 125% of ultimate strand breaking load. Carefully controlled heat-treatment of components provides you with Extended Life and fully-warranted products. Bayonet-style caps allow quick release for easy cleaning and inspection. Combination reusable splice chucks for all types and sizes of strand are readily available.

Sure-Lock® One-Time Use Chucks

Our one-time use chuck is available with 2 or 3 piece wedge set. Cost effective design and reliable quality have been the Sure-Lock® standard for more than 15 years. One-time use splice chucks are also available, for all types and sizes of strand.



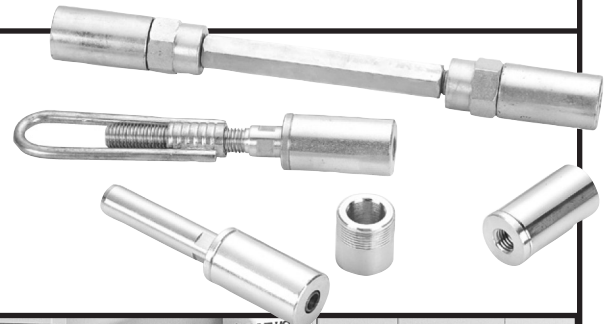
Sure-Lock® Anchorage Systems



The Sure-Lock® system is the industry "standard", and has been fully tested to all PTI requirements. This system is used worldwide, in thousands of applications.

Barrier Cable Products

GRABB-IT® and other barrier cable components are available from stock for next day delivery.



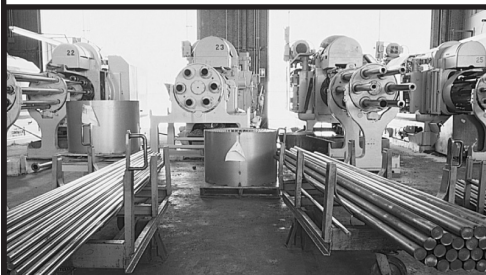
We also offer . . .

Fabrication Equipment

- Complete Fabrication Lines
- Material Handling Equipment
- Expert Advise and Installation

Strand Extrusion Systems

- Turn-Key Extrusion Systems
- Custom Components for Upgrade
- Over 25 Years Experience Building Production Equipment



Wedges

Wedges are machined from high quality steel and case hardened to precise specifications. All Sure-Lock® wedges are lot-controlled. They can be supplied in sizes 3/8" thru .7" with 2 or 3 piece wedges and retaining rings available.



PRECISION SURE-LOCK®

Proudly made in the USA since 1946

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