



**Model 7989T  
10"-12" Steel Pipe Squeezer  
Sch. 40 & Sch. 80**

**Maintenance and Service  
Manual**

# **Model 7989T 10"-12" Pipe Squeezer**

## **1.0 Introduction**

This manual is issued as a basic operation manual covering the Regent Model 7989T, Pipe Squeezer and Pump as manufactured by Regent Tools, Inc. Houston, TX. USA

## **2.0 Specifications**

|                           |                       |
|---------------------------|-----------------------|
| <b>Working Load</b>       | <b>200 tons</b>       |
| <b>Pipe Size Capacity</b> | <b>8"- 12"</b>        |
| <b>Working Pressure</b>   | <b>5180 PSI</b>       |
| <b>Net Weight</b>         | <b>1400 lbs.</b>      |
| <b>Cylinder Volume</b>    | <b>1280 cubic in.</b> |
| <b>Dimensions</b>         | <b>39" x 73"</b>      |

## **3.0 Features**

**Regent Model 7989T Flow Stop Pipe Squeezer is used for gas, oil and water line repairs and maintenance.**

**Model 7989T will give flow control on steel pipe, sizes 8 through 12 inch.**

**Hard Chrome plated cylinder for a smooth sealing surface and to resist wear and corrosion.**

**"O" Ring packing and Teflon backup ring for long life and ease of repair.**

**Phosphate coated ram to resist corrosion.**

**Spring return on the ram.**

**Equipped with a mechanical lock-nut to insure complete pipe closure in case of any hydraulic leakage over an extended period of time.**

**Engineered to provide optimum operation and maintenance qualities.**

**Designed to withstand typical field usage in a sturdy design.**

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**4.0 Maintenance**

**To service ram packing ("o" ring) item 16, or (backup ring) item 15 see below:**

- 4.1.1 the four retaining rings (item 17), pins (item 8), screw (item 18) and top beam (item 5).**
- 4.1.2 Disconnect springs (item 14) and remove locknut (item 4)**
- 4.1.3 Remove Bushing (item 3)**
- 4.1.4 Extract ram (item 2) using care not to score the cylinder wall.**
- 4.1.5 Replace packing ("o" ring) item 16, or (backup ring) item 15. Lubricate packing ('o" ring) and / or backup ring prior to installation. Replace backup ring by expanding over bottom of the ram so that the grain side (smooth side will come in contact with the packing "o" ring. The backup ring is installed above the packing ('o" ring) as shown.**
- 4.1.6 Reassemble in reverse order.**
- 4.1.7 SAE 30 Hydraulic fluid is acceptable. The tool takes approximately 10 gallons to pre fill the cylinder.**

**Inspect Pump Operation and all Hose assembly and connections, and replace damaged parts and hoses. All pumps use SAE 30 Hydraulic fluid. Inspect pressure gauge. Contact Regent Tools for Service Parts.**

**Inspect the tool for bent, missing or damaged hardware, Pins, Steel guide bars & Jaws. Replace parts as required. Non-Centered pipe squeezing or an unsupported tool can cause eccentric loads being applied to the jaw and tool. This off centered loading can lead to Jaw, Pin or fastener failure. Operation of the tool should be confirmed and corrected prior to use.**

# **Model 7989T** **10"-12" Pipe Squeezer**

## **Regent Tools** **Parts Listing**

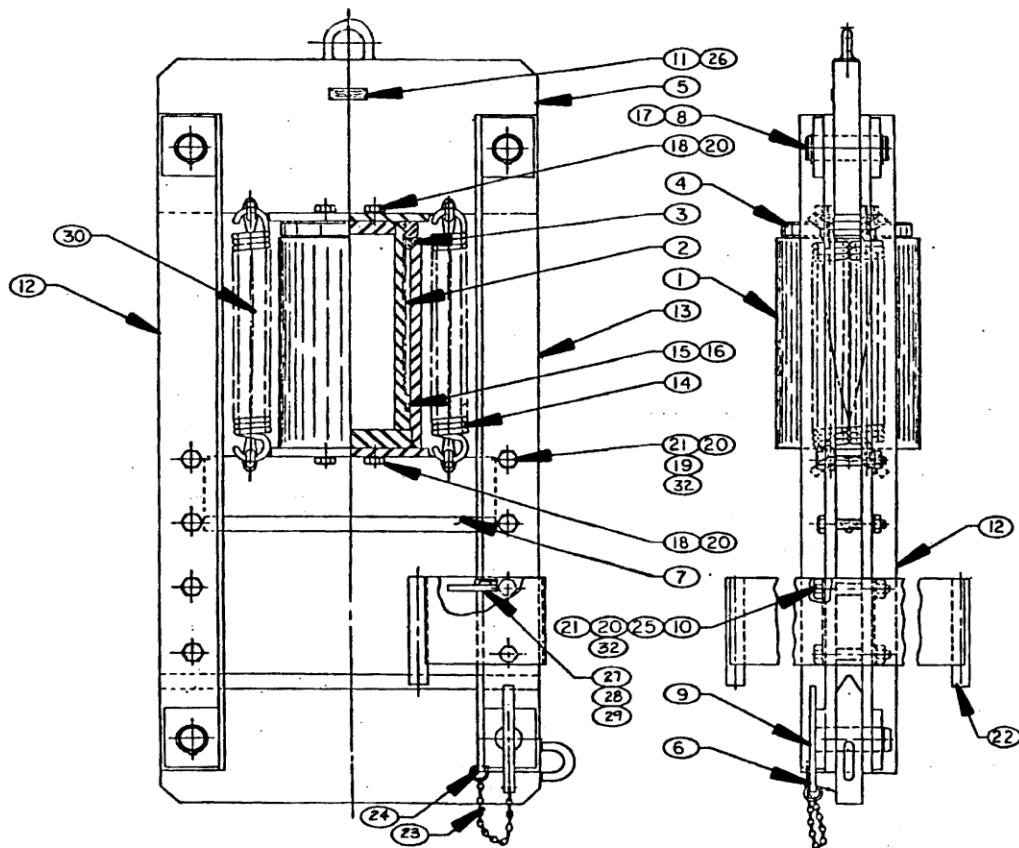
Model 7989T Parts List  
10" - 12" Pipe Squeezer  
Figure 1  
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| FIND<br>NO. | PART<br>NO.  | DESCRIPTION                      | UNITS<br>PER<br>ASS'Y |
|-------------|--------------|----------------------------------|-----------------------|
|             | 7989T-B      | 12" Pipe Squeezer Assembly ..... | Ref.                  |
| -1          | 7989-1       | Cylinder Assembly.....           | 1                     |
| -2          | 7989-2       | Ram.....                         | 1                     |
| -3          | 7989-3       | Bushing, Cylinder.....           | 1                     |
| -4          | 7989-4       | Locknut.....                     | 1                     |
| -5          | 7989-5       | Beam, Top.....                   | 1                     |
| -6          | 7989-6       | Jaw, Lower.....                  | 1                     |
| -7          | 7989-7       | Jaw, Upper.....                  | 1                     |
| -8          | 7989-8       | Pin.....                         | 3                     |
| -9          | 7989-9       | Pin, Removeable.....             | 1                     |
| -10         | 7989-10      | Spacer.....                      | 8                     |
| -11         | 915-176      | Nameplate.....                   | 1                     |
| -12         | 7989-12-1    | Bar, Tension.....                | 2                     |
| -13         | 7989-12-2    | Bar, Tension.....                | 2                     |
| -14         | 916-186-38   | Spring, Tension.....             | 4                     |
| -15         | 916-44-9.392 | Backup Ring.....                 | 1                     |
| -16         | MS28775-447  | 10" Ring.....                    | 1                     |
| -17         | 5100-225     | Ring, Retaining, External.....   | 6                     |
| -18         | MS90725-185  | Screw, Cap, Hex HD.....          | 8                     |
| -19         | MS90725-199  | Screw, Cap, Hex HD.....          | 6                     |
| -20         | MS35338-51   | Lockwasher (Med).....            | 16                    |
| -21         | MS51967-23   | Nut, Plain Hex.....              | 8                     |
| -22         | 7989-13      | Guide Bars.....                  | 1                     |
| -23         | Com'l        | Chain, Machine, Twist Link.....  | 1                     |
| -24         | 340-52403    | Ring, Key.....                   | 2                     |
| -25         | MS90725-200  | Screw, Cap, Hex HD.....          | 2                     |
| -26         | MS21318-13   | Drive Screw.....                 | 4                     |
| -27         | 7989-14*     | Adapter.....                     | 2                     |
| -28         | MS90726-17*  | Screw, Cap, Hex HD.....          | 2                     |
| -29         | MS17828-4F*  | Nut, Self-Locking.....           | 2                     |
| -30         | 7989-15      | Safety Cable.....                | 4                     |
| -31         | 7989-50**    | Hose Assembly.....               | 1                     |
| -32         | MS9320-10    | Washer, Flat.....                | 16                    |
| -33         | 16869        | Air Pump.....                    | 1                     |

NOTE: \* = OPTIONAL FOR 6" & 8" PIPES.  
\*\* = ONLY REQ'D IF ITEM 33 IS ORDERED.

**Model 7989T**  
**10"-12" Pipe Squeezer**

**Drawing Regent 7989T**



MODEL 7989T  
10" - 12" PIPE SQUEEZER

FIGURE 1