



**Model 5230T
3" & 4" Steel Pipe Squeezer
Sch. 40 & Sch. 80**

Maintenance & Service Manual

Model 5230T 3" & 4" Pipe Squeezer

1.0 Introduction

This manual is issued as a basic service & maintenance manual covering the Regent Model 5230T, Pipe Squeezer manufactured by Regent Tools, Inc. Houston, TX. USA.

2.0 Specifications

Working Pressure	5000 PSI
Working Load	75 tons
Proof Load	112.5 tons
Net Weight	240lbs.
Crated Weight	275lbs.
Cu. Ft. Crated	9 Cubic Ft
Overall Dimensions	7-1/2" x 13-3/8" x 32-1/2"

3.0 Features

The Regent model 5230T Flow Stop Pipe Squeezer is used for Gas, Oil & Water Lines Emergency repairs and maintenance.

The Model 5230T will give flow control on steel pipe sizes from 3" and 4" schedule 40 & 80 steel pipe. The minimum wall thickness is .188". Grounding Strap may be attached to the tool as required by company policy.

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 hard usage while the weight is kept at a minimum.

**Model 5230T
3" & 4" Pipe Squeezer**

4.0 Service

To Service Ram Packing "O" Ring (item 24) and or Backup Ring (item 19)

Remove the four truarc lock-rings (item 38), holding top tension pins (item 14), screw (item 30) and top beam (item 12).

Remove safety lock-nut (item 4)

Remove snap-ring (item 18) by inserting 1/8" rod into the hole provided in the cylinder (item 7)

Remove bushing (item 10)

Extract ram (item 9) using care not to score the cylinder wall.

Replace packing "O" Ring (item 24) and or backup ring (item 19). 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.

Reassemble in reverse order.

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 5230T 3" & 4" Pipe Squeezer

5.0 Regent Parts Listing

FIG. & ITEM NO.	PART NUMBER	DESCRIPTION	UNIT: PEF ASS'Y
	5230T	Pipe Squeezer - 75 Ton.....	Ref .
-1	5230T-1-1	Guide Bar.....	1
-2	5230T-1-2	Guide Bar.....	1
-3	5230T-2	Jaw, Lower.....	1
-4	5230T-3	Nut, Safety.....	1
-5	5230T-4	Jaw Insert.....	1
-6	915-176	Nameplate.....	1
-7	5230-1	Cylinder.....	1
-8	5230-2	Jaw, Upper.....	1
-9	5230-3	Ram.....	1
-10	5230-4	Bushing.....	1
-11	5230-7	Bar, Tension.....	4
-12	5230-8	Plate, Top.....	1
-13	5230-9	Pin, Removable.....	1
-14	5230-10	Pin, Tension Bar.....	3
-15	5230-11	Spacer.....	4
-16	5230T-6	Shim.....	4
-18	915-150.12-6.808	Snap Ring.....	1
-19	916-44-5.850	Backup Ring.....	1
-20	916-186-13	Spring, Tension.....	2
-21	916-186-18	Spring, Tension.....	2
-22	916-207	Decal.....	1
-24	MS28775-436	"O" Ring.....	1
-26	Com'l	Washer, Flat 1/2 ID Stl Cad Plate.....	4
-27	Com'l	Screw, Cap Hex HD 1/2-13UNC x 3 1/2 Lg Stl Cad Plate.....	2
-28	Com'l	Screw, Cap Hex HD 1/2-13UNC x 4" Lg Stl Cad Plate.....	2
-29	Com'l	Screw, Cap Skt HD 1/4-20UNC x 1/2 Lg Stl Cad Plate.....	1
-30	Com'l	Screw, Cap Skt HD 3/8-16UNC x 1 1/4 Lg Stl Cad Plate.....	1
-31	Com'l	Chain, Safety (Plumbers)1/0 Cut 10" Lg Zinc/Cad Plate Stl.....	1
-32	Com'l	Screw, Drive #2(.098) x 1/8 Lg Stl Cad Pl	2
-33	Com'l	Nut, Self Locking Hex 1/2-13UNC Stl Cad Pl	4
-35	1 1/2 Dia	Key Ring.....	2
-36	Com'l	Roll Pin 1/4 Dia x 1 1/4 Lg Stl Cad Pl.	2
-37	Com'l	Roll Pin 5/16 Dia x 2 3/4 Lg Stl Cad Pl	2
-38	5100-125	Ring, Retaining.....	6
-39	915-DZ	Coupling (Not Shown).....	1

NOTE: Unlisted Item Nos. Are Not Used.

Model 5230T 3" & 4" Pipe Squeezer

6.0 5230T Drawing

