



SPRING LOADED RETRIEVING TOOL

4" X 1.900"

Manual No:
DL-577-4000-350

Revision: **A**

Revision Date:
10/25/2013

Written by: *J.Anderson*

Approved by: *F.Johnson*

A) DESCRIPTION

The D&L Spring Loaded Retrieving Tool is used to set and retrieve the AS Retrievable Bridge Plug. Several sizes of Spring Loaded Retrieving Tools are available with different shoes in many sizes as well.

NOTE₁: For more information on the 4" AS Retrievable Bridge Plug, refer to Technical Manual *DL-725-4000-593*.

B) SPECIFICATION GUIDE

CASING SIZE (INCHES)	TOOL OD (INCHES)	CONNECTION BOX UP	PART NUMBER
4	3.125	1.900 EUE	57740

NOTE₂: Right hand set/ left hand release.

NOTE₃: Most of the component parts are manufactured from heat treated alloy steel. Therefore, extended exposure to corrosives can be detrimental to the metallurgy. Care in cleaning the tool soon after removal from the well can help extend the life of component parts. Close inspection of the parts is necessary, after removal, to identify any parts which require replacement.

C) OPERATING PROCEDURES

C-1) RUN IN AND SETTING AS RETRIEVABLE BRIDGE PLUG

Attach Spring Loaded Retrieving Tool to the AS Retrievable Bridge Plug pulling head. Run tool to desired depth and set the AS Retrievable Bridge Plug normally. To remove Spring Loaded Retrieving Tool, set down, then apply left-hand torque and pick up slowly to come off AS Retrievable Bridge Plug.

C-2) RETRIEVING AS RETRIEVABLE BRIDGE PLUG

Run to the depth of the AS Retrievable Bridge Plug. Retrieving tool will connect to pulling head automatically. Retrieve the AS Retrievable Bridge Plug normally.

D) DISASSEMBLY

NOTE₄: During disassembly, inspect and replace set screws as needed.

D-1) Clamp J-body (1) in vise.

D-1.1) Unscrew and remove set screws (5) from J-body (1).

D-1.2) Unscrew and remove top sub (2) from J-body (1).

CAUTION₁: Compression spring (4) is compressed with spring tension against top sub (2).

D-1.3) Remove compression spring (4) from J-body (1).

D-2) Unclamp and remove J-body (1) from vise.

D-3) Remove spring plunger (3) from J-body (1).

D & L OIL TOOLS
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E) ASSEMBLY

NOTE₅: Clean and inspect all parts. Replace all worn and damaged parts. Install parts in proper order and orientation.

E-1) Clamp J-body (1) in vise.

E-1.1) Install spring plunger (3) and compression spring (4) into upper end of J-body (1)

E-1.2) Screw top sub (2) into J-body (1).

CAUTION₁: Compression spring (4) is compressed with spring tension against top sub (2).

E-1.3) Screw set screws (5) into J-body (1).

E-2) Unclamp J-body and remove assembled tool.

F) PARTS LIST

ITEM	QTY	DESCRIPTION	MATERIAL	P/N 57740
1	1	J-BODY WELDMENT	P-110	57740315
2	1	TOP SUB	P-110	57735610
3	1	SPRING PLUNGER	P-110	57735910
4	1	COMPRESSION SPRING	CHROME VANADIUM	57735920
5	3	SET SCREW 5/16-18 UNC X 5/16	STEEL	SSS031C031
ASSEMBLED WEIGHT				25 LBS



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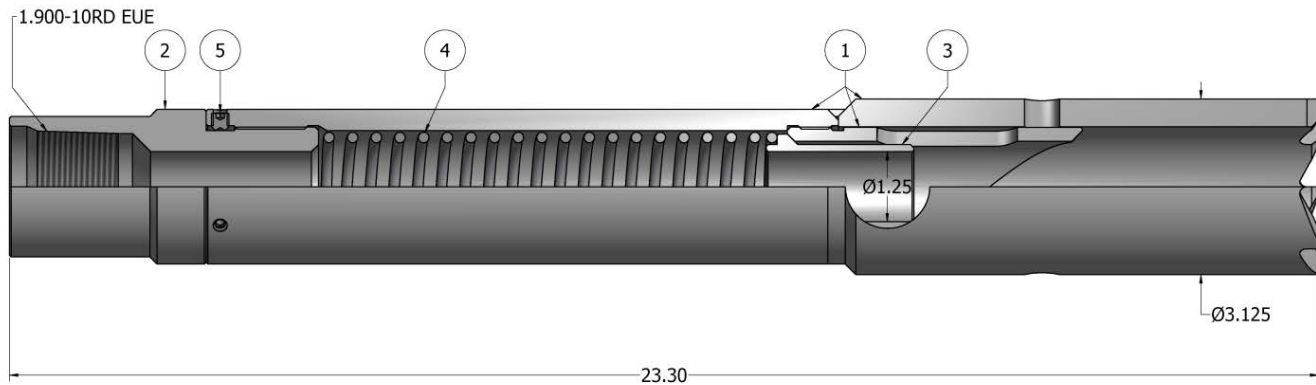
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G) TECHNICAL ILLUSTRATION



H) REVISION HISTORY

DATE	REVISION	DESCRIPTION OF CHANGES	REVISED BY	APPROVED BY
10/25/13	A	Created new manual.	-	-