



# RETRIEVING TOOL FOR 6" WR BRIDGE PLUG

Manual No:  
**DL-735-6000-1668**

Revision: **A**

Revision Date:  
**06/30/2023**

Authored by: *J.Anderson*

Approved by: *E.Visaez*

## A) DESCRIPTION

The Retrieving Tool for WR Set Bridge Plug is used to set and retrieve the WR Set Bridge Plug.

**NOTE<sub>1</sub>:** Refer to applicable WR Set Bridge Plug technical manual for technical information specific to the WR Set Bridge Plug including operating procedures and plug disassembly and assembly.

## B) RELATED TOOLS (sold separately)

B-1) 6" WR Set Bridge Plug (PN 73557)—refer to technical manual *DL-735-6000-1667*.

## C) SPECIFICATION GUIDE

| CASING SIZE<br>(INCHES) | TOOL OD<br>(INCHES) | TOOL ID<br>(INCHES) | THREAD CONNECTION<br>(BOX UP) | PART<br>NUMBER |
|-------------------------|---------------------|---------------------|-------------------------------|----------------|
| 6                       | 4.907               | 2.50                | 2-7/8 EUE                     | 73560RT        |

## D) PRE-INSTALLATION INSPECTION PROCEDURES

**CAUTION:** D&L ships tool connections made-up **HAND TIGHT**—labeled with hand-tight tape on the tool (Fig. 1)—unless stated otherwise. Tighten/torque all connections properly before operating tool.



Fig. 1

| GENERAL THREAD CONNECTION TORQUE RECOMMENDATIONS |                                 |                     |   |
|--|---------------------------------|---------------------|---|
| STUB ACME /<br>ACME THREADS                      | INTERNAL TAPERED TUBING THREADS |                     | PREMIUM THREADS                                   |
|  | UP TO 2-3/8"                    | GREATER THAN 2-3/8" |   |
| 600 – 800 FT-LBS                                 | 600 – 800 FT-LBS                | 800 – 1,200 FT-LBS  | Consult thread manufacturer's<br>recommendations. |

| GENERAL SCREW TORQUE RECOMMENDATIONS |       |         |         |         |         |          |           |           |                   |
|--------------------------------------|-------|---------|---------|---------|---------|----------|-----------|-----------|-------------------|
| SCREW SIZE<br>(INCHES)               | #6    | #8      | #10     | 1/4     | 5/16    | 3/8      | 7/16      | 1/2       | 5/8 and<br>larger |
| TORQUE RANGE<br>(INCH-POUNDS)        | 5 – 8 | 10 – 15 | 18 – 25 | 25 – 40 | 50 – 80 | 90 – 135 | 160 – 210 | 250 – 330 | 450 - 650         |

Before first use, D&L recommends disassembly and inspection of the tool unless stated otherwise. Ensure parts have not been damaged during shipping. Replace damaged parts with D&L replacement parts. Contact D&L sales for replacement part information.

Re-assemble the tool after inspection. Install parts in the correct order and orientation. Properly tighten connections.

Before re-using the tool, D&L recommends disassembly and inspection of the tool. Clean parts and ensure parts are in good working condition. Replace worn or damaged parts with D&L replacement parts.

D & L OIL TOOLS  
P.O. BOX 52220 TULSA, OK 74152  
PHONE: (800) 441-3504 [www.dloiltools.com](http://www.dloiltools.com)



# RETRIEVING TOOL FOR 6" WR BRIDGE PLUG

Manual No:  
**DL-735-6000-1668**

Revision: **A**

Revision Date:  
**06/30/2023**

Authored by: *J.Anderson*

Approved by: *E.Visaez*

## E) OPERATING PROCEDURES

Run retrieving tool downhole to depth of WR Bridge Plug, mill out as necessary to clear debris. Set down onto WR Bridge Plug to engage latch with approximately 1,200 lbs. This shifts the equalizing sleeve downwards opening the equalizing ports, and latches the retrieving collet into the latch of WR Bridge Plug.

**NOTE<sub>1</sub>:** Refer to WR Bridge Plug technical manual for detailed retrieval instructions.

## F) RECOMMENDED HAND TOOLS

- VISE
- GLOVES
- ALLEN WRENCHES
- TAPE MEASURE
- O-RING PICK
- BAR
  - 1/2-INCH
  - 3/4-INCH
- PAINT BRUSH, 2-INCH
- PIPE WRENCH, 3-FT (2 EA)
- "CHEATER" PIPE, 4-FT LONG
- ADJUSTABLE WRENCH, 12-INCH
- CORDLESS DRILL, 18V
- SNAP RING SPREADER PLIERS
- ALIGNING PUNCH
- SCREWDRIVER SET, FLAT-TIPPED
- SOCKET SETS
  - 3/8-INCH DRIVE
  - 1/2-INCH DRIVE
- HAMMERS
  - SLEDGE
  - BALL PEEN
  - DEAD BLOW

## G) STORAGE RECOMMENDATIONS

Store the tool, if possible, in an enclosed, temperature and humidity controlled environment. Avoid excessively high temperatures over long periods of time. Keep tool dry and protected from condensation. Do not store in contact with or near volatile or corrosive chemicals.

## H) DISASSEMBLY

H-1) Clamp adapter (1) in vise.

H-1.1) Unscrew and remove set screws (5) from millout shoe (4).

H-1.2) Unscrew and remove millout shoe (4) from shifting sleeve (3).

H-1.3) Unscrew and remove set screws (5) from shifting sleeve (3).

H-1.4) Unscrew and remove shifting sleeve (3) from adapter (1).

H-1.5) Remove latch (2) from adapter (1).

H-2) Unclamp and remove adapter (1) from vise.

## I) ASSEMBLY

**NOTE<sub>2</sub>:** Clean and inspect all parts. Replace all worn and damaged parts. Install parts in proper order, and orientation and tighten/torque all connections properly.

I-1) Clamp adapter (1) in vise.

I-1.1) Install latch (2) onto adapter (1).

I-1.2) Screw shifting sleeve (3) onto adapter (1).

I-1.3) Screw set screws (5) into shifting sleeve (3).

I-1.4) Screw millout shoe (4) onto shifting sleeve (3).

I-1.5) Screw set screws (5) into millout shoe (4).

I-2) Unclamp adapter (1) and remove assembled tool from vise.



# RETRIEVING TOOL FOR 6" WR BRIDGE PLUG

Manual No:  
**DL-735-6000-1668**

Revision: **A**

Revision Date:  
**06/30/2023**

Authored by: *J.Anderson*

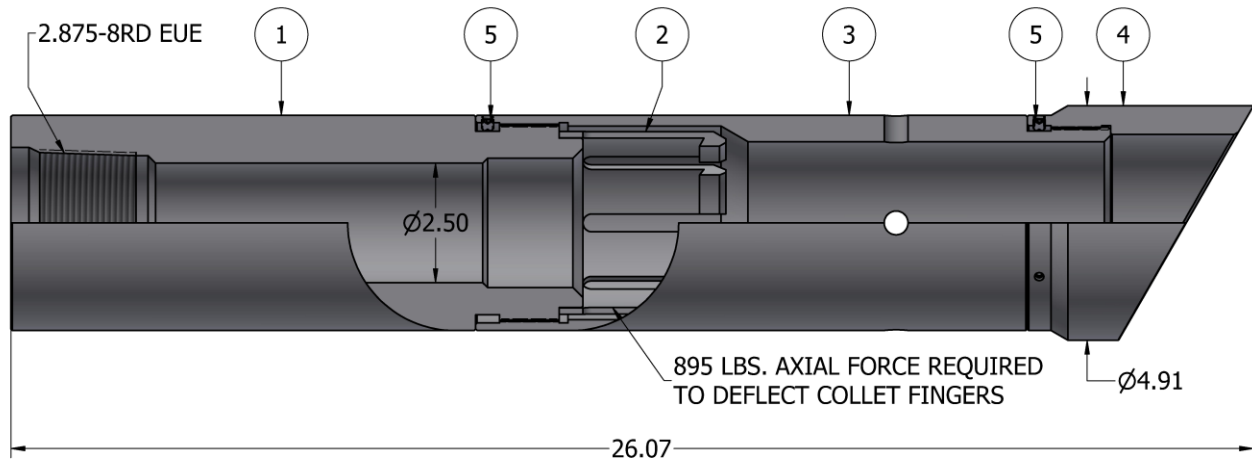
Approved by: *E.Visaez*

## J) PARTS LIST

| ITEM | QTY | DESCRIPTION                       | MATERIAL | PART NUMBER |
|------|-----|-----------------------------------|----------|-------------|
| 1    | 1   | ADAPTER                           | DLMS110  | 73560906    |
| 2    | 1   | LATCH                             | DLMS110  | 73560905    |
| 3    | 1   | SHIFTING SLEEVE                   | DLMS110  | 73560710    |
| 4    | 1   | MILLOUT SHOE                      | DLMS110  | 73560711    |
| 5    | 6   | 1/4-20 UNC X 1/4 SOCKET SET SCREW | STEEL    | SSS025C025  |

|                  |        |
|------------------|--------|
| ASSEMBLED WEIGHT | 58 LBS |
|------------------|--------|

## K) TECHNICAL ILLUSTRATION





# RETRIEVING TOOL FOR 6" WR BRIDGE PLUG

Manual No:  
**DL-735-6000-1668**

Revision: **A**

Revision Date:  
**06/30/2023**

Authored by: *J.Anderson*

Approved by: *E.Visaez*

## L) REVISION HISTORY

| DATE       | REVISION | DESCRIPTION OF CHANGES | REVISED BY | APPROVED BY |
|------------|----------|------------------------|------------|-------------|
| 06/30/2023 | A        | Created manual         | -          | -           |