



TYPE “E” VALVE RUNNING TOOL 7” X 3-1/2” IF TOOL JOINT

Manual No:
DL-124RT-7000-832

Revision: **A**

Revision Date:
03/09/2015

Written by: *J.Anderson*

Approved by: *D.Hushbeck*

A) DESCRIPTION

The Running Tool for the Type E Valve is designed to be used with the Type E Valve to convert double grip mechanical packers (like the ASI-X Packer) into a retrievable bridge plug. This Running Tool features cutting teeth on the running shoe for breaking up compacted trash for easy removal. Running shoe OD sizes are available for centering the running tool in larger casing if needed.

B) RELATED TOOLS (sold separately)

B-1) 7” Type “E” Valve (P/N 12473)—refer to technical manual *DL-124-7000-831*.

C) SPECIFICATION GUIDE

CASING			TOOL		THREAD CONNECTION BOX UP / PIN DOWN	PART NUMBER
SIZE (INCHES)	WEIGHT (LBS/FT)	RECOMMENDED HOLE SIZE (INCHES)	GAGE OD (INCHES)	NOMINAL ID (INCHES)		
7	26.0 – 32.0	6.094 – 6.276	5.875	3.00	3-1/2 IF TOOL JOINT	12473RT-XBEC

D) PRE-INSTALLATION INSPECTION PROCEDURES

CAUTION₁: 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 / 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 recommendations.

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.

E) OPERATING PROCEDURES

CAUTION₂: Do not run the tool without properly tightening connections. Running the tool with loose connections may damage the tool and cause malfunction.

Use the Type “E” Running Tool to set and release the type “E” valve as required. Refer to the type “E” valve tech manual for detailed setting and releasing procedures.

D & L OIL TOOLS
P.O. BOX 52220 TULSA, OK 74152
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F) STORAGE PROCEDURES

When preparing the tool for storage, follow the Pre-Installation Inspection Procedures. Re-assemble the tool with connections hand-tight only and in running position if applicable.

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. Do not store near ozone generating equipment or operations such as welding.

G) 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

H) DISASSEMBLY

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

H-1.1) Unscrew and remove set screws (4) from shoe (3).

H-1.2) Unscrew and remove shoe (3) from milling shoe extension (2).

H-1.3) Unscrew and remove set screws (4) from shoe extension (2).

H-1.4) Unscrew and remove shoe extension (2) from J-body (1).

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

I) ASSEMBLY

NOTE: 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 J-body (1) in vise.

I-1.1) Screw milling shoe extension (2) onto J-body (1).

I-1.2) Screw set screws (4) into milling shoe extension (2).

I-1.3) Screw shoe (3) onto milling shoe extension (2).

I-1.4) Screw set screws (4) into shoe (3).

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

J) PARTS LIST

ITEM	QTY	DESCRIPTION	MATERIAL	PART NUMBER
1	1	J-BODY	DLMS110	12473410-XBEC
2	1	MILLING SHOE EXTENSION	P-110	12470429
3	1	MILLING SHOE	DLMS110	12473417
4	6	SET SCREW 1/4-20 UNC X 5/16	STEEL	SSS025C031

ASSEMBLED WEIGHT	134 LBS
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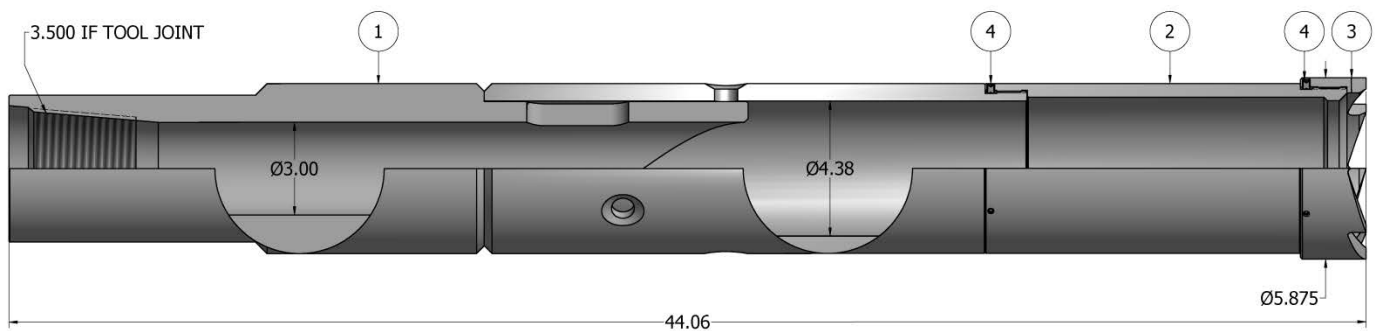
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K) TECHNICAL ILLUSTRATION



L) REVISION HISTORY

DATE	REVISION	DESCRIPTION OF CHANGES	REVISED BY	APPROVED BY
03/09/15	A	Created new tech manual;	-	-