A) DESCRIPTION

The WR Bridge Plug is wireline set, wireline retrieve, packer-type bridge plug capable of holding differential pressure from above or below. The WR Bridge Plug is used for a temporary bridge plug for acidizing, fracturing, cementing, casing pressure tests, well head replacement, and zone isolation. The WR Bridge Plug utilizes standard wireline or hydraulic setting tools.

B) RELATED TOOLS (sold separately)

B-1) 5-1/2” Wireline Adapter Kit (WLAK) (P/N 73557-20)—refer to technical manual *DL-735-5500-834.*

B-2) 5-1/2” Retrieving Tool (PN 73557RT)—refer to technical manual *DL-735-5500-827.*

C) SPECIFICATION GUIDE

CASING			**TOOL GAGE OD** (INCHES)	**THREAD CONNECTION** PIN UP	**PART NUMBER**
SIZE (INCHES)	**WEIGHT** (LBS/FT)	**RECOMMENDED HOLE SIZE** (INCHES)			
5-1/2	13.0 – 20.0	4.778 – 5.156	4.625	0.875-14 UNF	73555
	20.0 – 23.0	4.670 – 4.778	4.500	0.875-14 UNF	73557
	23.0 – 26.0	4.548 – 4.670	4.375	0.875-14 UNF	73554

DIFFERENTIAL PRESSURE (MAX)		**TENSILE LOAD SHEAR STUD RATING** (MAX)	**TENSILE LOAD RATING DURING RETRIEVAL** (MAX)
FROM ABOVE	**FROM BELOW**		
10,000 PSI	10,000 PSI	48,000 LBS	34,000 LBS

D) PRE-INSTALLATION INSPECTION PROCEDURES

CAUTION$_1$: 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.

D) PRE-INSTALLATION INSPECTION PROCEDURES (cont’d)

GENERAL SCREW TORQUE RECOMMENDATIONS									
SCREW SIZE (INCHES)	#6	#8	#10	1/4	5/16	3/8	7/16	1/2	5/8 and larger
TORQUE RANGE (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.

When redressing the tool, D&L recommends replacement of all seals, elements, o-rings, shear screws, etc. Contact D&L sales for redress kit and/or other replacement part information.

E) SETTING PROCEDURES

CAUTION[2]: Do not run the tool without properly tightening connections. Running the tool with loose connections may damage the tool and cause malfunction.

The WR Bridge Plug is set on a #20 Baker E-4 wireline pressure setting assembly and wireline adapter kit.

The recommended running speed for the WR Bridge Plug is 100 ft/min. Well conditions may require much slower speeds to avoid damaging the tool.

During setting, a calculated force of 48,000 lbs may be pulled on the 5-1/2” Wireline Set Bridge Plug.

F) RETRIEVING PROCEDURES

The WR Bridge Plug is retrieved using the WR Bridge Plug Retrieving Tool.

F-1.1) TUBING RETRIEVAL

Make up the retrieving tool on the work string and run it to the setting depth. In the event sand or other debris is present on top of the WR Bridge Plug, standard washing may be continued to equalize any differential pressure across the plug - set down approximately 1,200 – 4,800 lbs (1,200 lbs/screw). This shifts the equalizing sleeve downward opening the equalizing ports, and latches the retrieving collet into the latch of the WR Bridge Plug.

After the differential is equalized, the head is latched onto the plug. The tool is released by the application of a minimum of 3,600 lbs tension. Continue to move the tool up the hole to completely stretch out the slip system and retrieve the tool from the hole. Slowly retrieve the plug for 100 ft to allow the packing element system to relax and pass through the casing without hanging up. After the elements have relaxed, the recommended retrieving speed is 100 ft/min. Well conditions may require much slower speeds to avoid damaging the tool.

F-1.2) SANDLINE RETRIEVAL

Make up the retrieving tool with the stem and the jars. Position the jars immediately above the retrieving tool. Flag the line and run the tools to setting depth. Jar down to open the equalizing sleeve. Allow sufficient time for any pressure differential to equalize. Pull a minimum of 3,600 lbs or jar upward to release the plug. Continue to move the tool up the hole to completely stretch out the slip system and retrieve the tool from the hole. Slowly retrieve the plug for 100 ft to allow the packing element system to relax and pass through the casing without hanging up. After the elements have relaxed, the recommended retrieving speed is 100 ft/min. Well conditions may require much slower speeds to avoid damaging the tool.

G) STORAGE RECOMMENDATIONS

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. Elements should be in a relaxed state—free from tension, compression, and other stresses that could cause deformation.

Store the tool, if possible, in an enclosed, temperature and humidity controlled environment. Avoid excessively high temperatures over long periods of time. Shield elastomeric parts from ultraviolet light sources. 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.

H) ELASTOMER TRIM TEMPERATURE GUIDE

NITRILE (STD)			
TEMPERATURE RANGE (F°)	**DUROMETER**		
	END	**MIDDLE**	**END**
40° - 125°	80	70	80
125° - 250°*	90	70	90

*Validated API 11D1, V6. No validation/data on other trim combinations.

RUBBER TYPE	**TEMPERATURE RANGE**
NITRILE	40° - 250°F

I) RECOMMENDED TOOLS

I-1) 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

I-2) SPECIAL TOOLS

ITEM	**QTY**	**DESCRIPTION**	**PART NUMBER**
T1	1	5-1/2” ASSEMBLY TOOL	AT73557-1
T2	1	5-1/2” DISASSEMBLY TOOL	AT73557-2

J) DISASSEMBLY

J-1) Clamp upper gage ring (23) in vise.

J-1.1) From upper end of tool, unscrew and remove shear stud (8) from inner plug (22).

J-1.2) Unscrew and remove clutch ring (10) from inner plug (22).

J-1.3) Unscrew and remove shear screws (24) from latch (4).

J-1.4) Remove latch (4) from inner plug (22).

J-1.5) Unscrew and remove shear screw (24) from equalizing sleeve (15).

J-1.6) Remove equalizing sleeve (15) from ratchet mandrel top (20).

J-1.6.1) Remove o-rings (31) from equalizing sleeve (15).

J) DISASSEMBLY (cont’d)

J-1.7) Move to lower end of tool - unscrew and remove inner mandrel cap (19) from inner mandrel (2).

J-1.8) Move to upper end of tool – pull on inner plug (22) to remove inner mandrel assembly from ratchet mandrel (2).

NOTE1: Additional pulling force may be required to overcome spring resistance of collet fingers on ratchet mandrel top (20).

J-1.9) Disassemble inner mandrel assembly:

J-1.9.1) Unscrew and remove inner plug (22) from inner equalizing body (21).

J-1.9.1.1) Remove o-ring (28) from inner plug (22).

J-1.9.2) Unscrew and remove inner equalizing body (21) from inner mandrel (2).

J-1.9.2.1) Remove o-ring (29) from inner equalizing body (21).

J-1.10) Unscrew upper cone (9) from lower gage ring (5).

J-1.11) Unscrew ratchet mandrel (6) from ratchet mandrel top (20) and from ratchet ring (3).

NOTE2: For added leverage, insert 1/4" rod into ratchet mandrel (6) through holes in slip body (18) and lower cone (16) as needed.

J-1.12) Remove slip body assembly from rubber mandrel (11). Set assembly aside temporarily to be disassembled in later steps.

J-1.13) Unscrew and remove shear screws (25) from upper gage ring (23).

J-1.14) Remove ratchet mandrel top (20) from upper gage ring (23).

J-1.14.1) Remove o-ring (30) from groove in ratchet mandrel top (20).

J-1.15) Unscrew and remove shear screw (1) from rubber mandrel (11).

J-1.16) Unscrew and remove ratchet ring (3) from rubber mandrel (11).

J-1.17) Unscrew rubber mandrel (11) from upper gage ring (23).

J-1.18) Remove rubber mandrel assembly and disassemble:

J-1.18.1) Unscrew shear screws (25) from lower gage ring (5).

J-1.18.2) Remove elements (13,14), rubber spacers (12), and lower gage ring (5) from rubber mandrel (11).

J-1.18.3) Remove o-ring (30) from rubber mandrel (11).

J-2) Unclamp and remove upper gage ring (23) from vise.

J-3) Clamp slip body assembly in vise and disassemble using Disassembly Tool (T2):

J-3.1) Clamp slip body (18) in vise. Wedge slips (7) outwards.

J-3.2) Screw top plate (T2-2) onto upper end of ratchet mandrel (6).

J-3.3) Insert threaded rod (T2-1) – [including internal collet lug (T2-3, flat washers (T2-5), and hex nuts (T2-7)] in from lower end of slip body assembly and out through top plate (T2-2).

J-3.4) Install welded housing assembly (T2-6) over threaded rod (T2-1). Screw welded housing assembly (T2-6) onto upper cone (9).

J-3.5) Install flat washers (T2-5) onto threaded rod (T2-1), then screw threaded lug (T2-4) onto threaded rod (T2-1).

J-3.6) Tighten threaded lug (T2-4) until collet fingers on ratchet mandrel (6) go through ID of:

J-3.6.1) Lower end of lower cone (16).

J-3.6.2) Upper end of lower cone (16).

J-3.6.3) Upper cone (9).

J-3.7) Remove disassembly tool (T2) and ratchet mandrel (6) from slip body assembly.

J-3.8) Separate disassembly tool (T2) from ratchet mandrel (6).

J) DISASSEMBLY (cont’d)

J-3.9) Disassemble slip body assembly:

J-3.9.1) Unscrew and remove cap screws (27) from lower cone (16).

J-3.9.2) Remove lower cone (16) from slip body (18).

J-3.9.3) Remove slips assemblies and disassemble. Remove wedges (if needed):

J-3.9.3.1) Remove slip assemblies from slip body (18).

J-3.9.3.2) Unscrew and remove button head cap screws (26) from slips (7).

J-3.9.3.3) Remove slip springs (17) from slips (7).

J-3.9.4) Remove upper cone (9) from slip body (18).

J-4) Unclamp and remove slip body (18) from vise.

K) ASSEMBLY

NOTE3: Clean and inspect all parts. Replace all worn and damaged parts. Install parts in proper order, and orientation and tighten/torque all connections properly.

CAUTION3: To ensure tool operates properly, install o-rings in o-ring grooves - **NOT** in thread reliefs (unless stated otherwise) (Fig. 2).

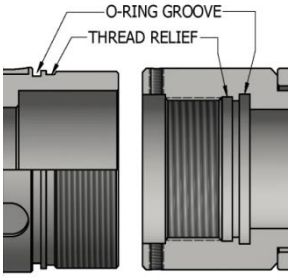


Fig. 2

K-1) Assemble slip body assembly:

K-1.1) Clamp slip body (18) in vise.

K-1.2) Install upper cone (9) into slip body (18).

K-1.3) Assemble slips and install into slip body (18):

K-1.3.1) Set slip springs (17) in place on slips (7).

NOTE5: Install one (1ea) spring per slip (Fig. 3).


Fig. 3

K-1.3.2) Screw button head cap screws (26) into slips to secure lower slip springs (17).

K-1.3.3) Install slips (7) into slip body (18). Wedge slips outward.

K-1.4) Install lower cone (16) into slip body (18).

K-1.5) Align slots in slip body (18) with threaded holes in lower cone (16). Screw cap screws (27) into lower cone (16).

K-1.6) Use Assembly Tool (T1) to install ratchet mandrel (6) into upper cone (9) and lower cone (16):

K-1.6.1) Screw top plate (T1-1) onto upper end of ratchet mandrel (6).

K-1.6.2) Install flat washers (T1-5) onto threaded rod (T1-1).

K-1.6.3) Screw threaded lug partially onto threaded rod (T1-1).


Fig. 4

K-1.6.4) Install threaded rod (T1-1) thru hole in top plate (T1-1) and thru ID of ratchet mandrel (6) (Fig. 4).

K-1.6.5) Install ratchet mandrel (6) with threaded rod into upper end of slip body assembly.

K-1.6.6) Install bottom cap (T1-3) and flat washers (T1-5) onto lower end of threaded rod (T1-1).

K) ASSEMBLY (cont’d)

Fig. 5

K-1.6.7) Screw threaded lug (T1-4) onto threaded rod (T1-3) (Fig. 5).

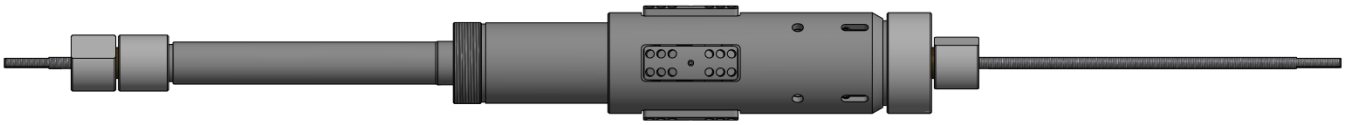


Fig. 6

K-1.6.8) Tighten threaded lug (T1-4) to pull collet fingers on ratchet mandrel (6) through ID of (Fig. 6):

K-1.6.8.1) Upper cone (9)

K-1.6.8.2) Upper end of lower cone (16).

K-1.6.8.3) Lower end of lower cone (16).

K-1.6.9) Remove assembly tool (T1) from slip body assembly.

K-1.6.10) Unclamp slip body (18) and remove slip body assembly from vise. Set assembly aside temporarily to be installed in later steps.

K-2) Clamp upper gage ring (23) in vise.

K-2.1) Assemble rubber mandrel assembly and install:

K-2.1.1) Install o-ring (30) in o-ring groove in rubber mandrel (11).

K-2.1.2) Install lower gage ring (5), elements (13, 14), and rubber spacers (12) onto rubber mandrel (11).

K-2.1.3) Screw rubber mandrel (11) into upper gage ring (23). Align threaded holes in lower gage ring (5) with groove in rubber mandrel (11).

K-2.1.4) Screw shear screws (25) into lower gage ring (5). Tighten until shear screws (25) contact rubber mandrel (11). Back shear screws (25) out 1/4 turn.

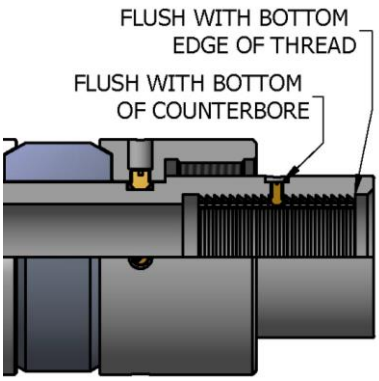


Fig. 7

K-2.2) Thread ratchet ring (3) into rubber mandrel (11) until flush with bottom edge of rubber mandrel (11) thread (Fig. 7).

NOTE4: Threads on ratchet ring (3) are directional - it MUST be in installed in correct direction for tool to work properly.

K-2.3) Align gap in ratchet ring (3) with threaded hole in rubber mandrel (11).

CAUTION5: Should not require more than one revolution past flush to align ring with threaded hole. Back out ratchet ring as necessary.

K-2.4) Screw shear screw (1) into rubber mandrel (11). Tighten until shear screw is flush with bottom of counter bore of threaded hole in rubber mandrel (11) (Fig. 7).

K-2.5) Install o-ring (30) in o-ring groove in ratchet mandrel top (20).

K-2.6) Install ratchet mandrel top (20) into upper gage ring (23).

K-2.7) Align groove in ratchet mandrel top (20) with threaded holes in upper gage ring (23). Screw shear screws (25) into upper gage ring (23). Tighten until shear screws (25) contact ratchet mandrel top (20). Back shear screws (25) out 1/4 turn.

K) ASSEMBLY (cont’d)

K-2.7.1) Install slip body assembly into rubber mandrel (11).

K-2.7.2) Screw ratchet mandrel (6) into ratchet mandrel top (20) and into ratchet ring (3).

CAUTION4: Do not rip or tear o-rings during installation.

NOTE2: For added leverage, insert 1/4" rod into ratchet mandrel (6) through holes in slip body (18) and lower cone (16) as needed.

K-2.7.3) Screw upper cone (9) into lower gage ring (5).

K-2.8) Assemble inner mandrel assembly and install:

K-2.8.1) Install o-ring (29) in o-ring groove in inner equalizing body (21).

K-2.8.2) Install inner mandrel into ratchet mandrel (6).

NOTE6: Additional force may be required to get inner equalizing body (21) into collet fingers on ratchet mandrel top (20).

CAUTION4: Do not rip or tear o-ring during installation.

K-2.9) Move to lower end of tool - screw inner mandrel cap (19) onto inner mandrel (2).

K-2.9.1) Screw inner equalizing body (21) into inner mandrel (2).

K-2.9.2) Install o-ring (28) in o-ring groove in inner plug (22).

K-2.9.3) Screw inner plug (22) into inner equalizing body (21).

CAUTION4: Do not rip or tear o-ring during installation.

K-2.10) Move to upper end of tool - install o-rings (31) in o-ring groove in equalizing sleeve (15).

K-2.11) Install equalizing sleeve (15) onto ratchet mandrel top (20).

CAUTION4: Do not rip or tear o-ring during installation.

K-2.12) Align threaded hole in equalizing sleeve (15) with groove in ratchet mandrel top (20). Screw shear screw (24) into equalizing sleeve (15). Tighten until shear screw (24) makes contact with ratchet mandrel top (20). Back shear screw (24) out 1/4 turn.

K-2.13) Back up on inner plug (22) and apply 150 ft-lbs of torque between inner plug (22) and inner mandrel cap (19).

K-2.14) Install latch (4) onto inner plug (22).

K-2.15) Align threaded holes in latch (4) with groove in inner plug (22). Screw shear screws (24) into latch (4). Tighten until shear screws (24) contact inner plug (22). Back shear screws (24) out 1/4 turn.

K-2.16) Screw clutch ring (10) onto inner plug (22).

K-2.17) Screw hand-tight (approx. 30 ft-lbs) shear stud (8) into inner plug (22).

NOTE7: A non-permanent thread locking product may be used on shear stud (8) threads to prevent the shear stud (8) from backing out.

K-3) Unclamp upper gage ring (23) from vise and remove assembled tool.

L) PARTS LIST

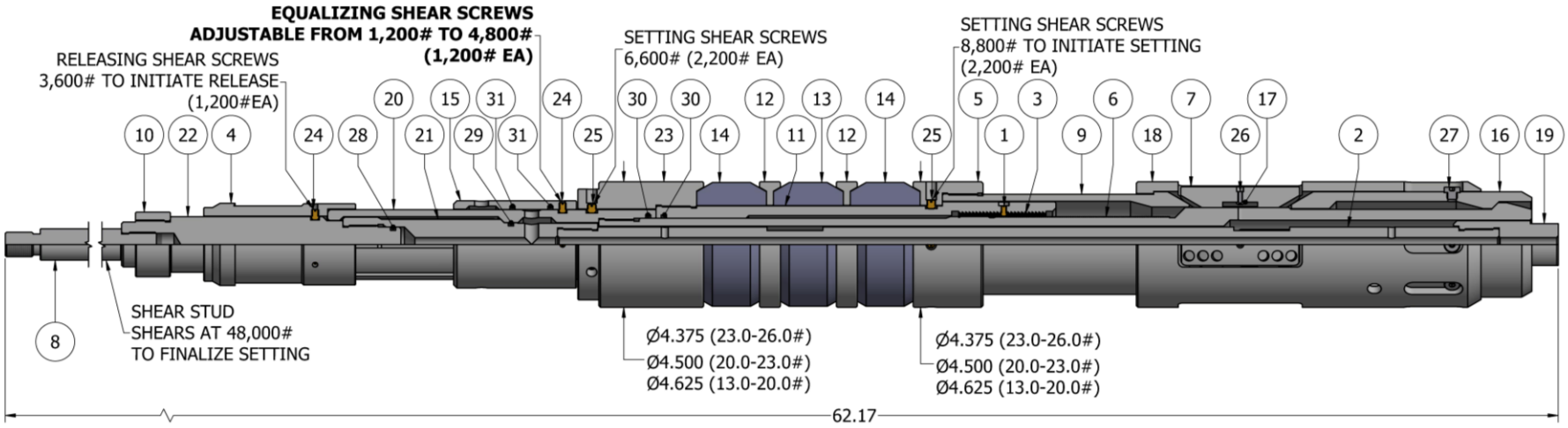
ITEM	QTY	DESCRIPTION	MATERIAL	13.0-20.0# P/N 73555	20.0-23.0# P/N 73557	23.0-26.0# P/N 73554
1	1	SHEAR SCREW (750#) #10-32 UNF X 3/8	DLM360BRS	BSSSLT1032F037		
2	1	INNER MANDREL	DLMS80	73557205		
3	1	RATCHET RING	DLMS80	73555011		
4	1	LATCH	DLMS110	73557660		
5	1	LOWER GAGE RING	DLMS80	73555850	73557850	73554850
6	1	RATCHET MANDREL	DLMS125	73555210		
7	4	SLIP W/ CARBIDE	DLMS110	73555110C	73557110C	
8	1	SHEAR STUD	DLMS110	73557901		
9	1	UPPER CONE	DLMS110	73557410		
10	1	CLUTCH RING	DLMS80	73557920		
11	1	RUBBER MANDREL	DLMS80	73555220		
12	2	RUBBER SPACER	DLMS80	73555840	73557840	73554840
13	1	ELEMENT	70 DURO NITRILE	73555511	73557511	73554511
14	2	ELEMENT	90 DURO NITRILE	73555513	73557513	73554513
15	1	EQUALIZING SLEEVE	DLMS80	73557620		
16	1	LOWER CONE	DLMS110	73557420		

L) PARTS LIST (cont’d)

ITEM	QTY	DESCRIPTION	MATERIAL	13.0-20.0# P/N 73555	20.0-23.0# P/N 73557	23.0-26.0# P/N 73554
17	8	SLIP SPRING	INCONEL 625	32045950		
18	1	SLIP BODY	DLMS80	73555335	73557335	73554335
19	1	INNER MANDREL CAP	DLMS80	73557235		
20	1	RATCHET MANDREL TOP	DLMS80	73557610		
21	1	INNER EQUALIZING BODY	DLMS80	73557260		
22	1	INNER PLUG	DLMS110	73557250		
23	1	UPPER GAGE RING	DLMS80	73555830	73557830	73554830
24	7	SHEAR SCREW (1200#) 1/4-20 UNC X 3/8	DLM360BRS	BSSSLT025C037		
25	7	SHEAR SCREW (2200#) 5/16-24 UNF X 5/16	DLM360BRS	BSSSLT031F031		
26	4	BUTTON HEAD CAP SCREW #8-32 UNC X 3/8	STEEL	BHSC832C037		
27	8	LOW HEAD CAP SCREW 3/8-16 UNC X 1/4	STEEL	LHSC037C025		
28	1	214 O-RING	90 DURO NITRILE	90214		
29	1	219 O-RING	90 DURO NITRILE	90219		
30	2	225 O-RING	90 DURO NITRILE	90225		
31	2	230 O-RING	90 DURO NITRILE	90230		

REDRESS KIT (RDK)		73555050	73557050	73554050
ASSEMBLED WEIGHT		66 LBS	74 LBS	64 LBS

M) TECHNICAL ILLUSTRATION

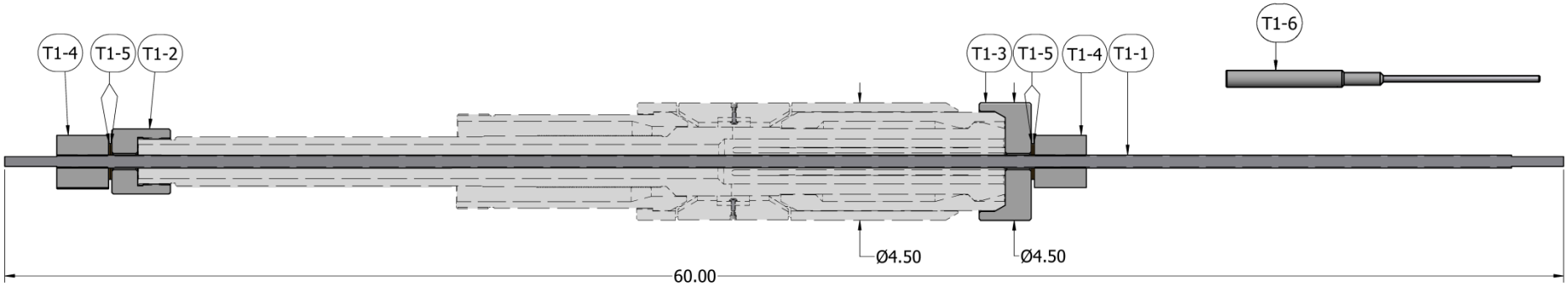


N) ASSEMBLY TOOL

N-1) PARTS LIST

ITEM	QTY	DESCRIPTION	MATERIAL	P/N AT73557-1
T1-1	1	THREADED ROD	STEEL	AT73557-004
T1-2	1	TOP PLATE	DLMS110	AT73557-001
T1-3	1	BOTTOM CAP	DLMS110	AT73557-002
T1-4	2	THREADED LUG	DLMS110	AT73557-003
T1-5	4	1/2 LARGE FLAT WASHER	DLM360BRS	FW050B-1
T1-6	1	ASSEMBLY PUNCH	-	AT735-PUNCH

N-2) TECHNICAL ILLUSTRATION



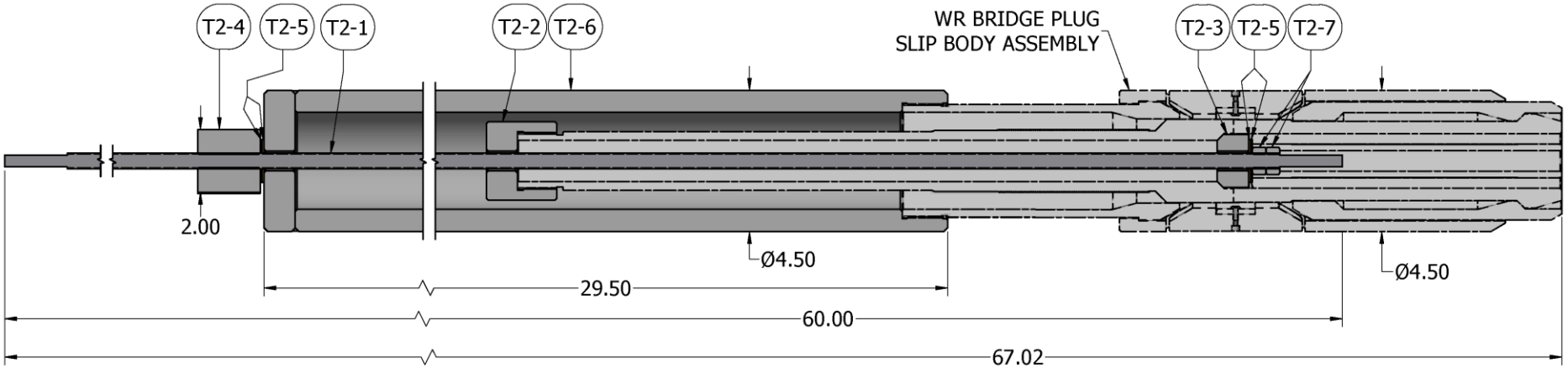
NOTE: THIS ASSEMBLY TOOL IS USED DURING THE INSTALLATION OF RATCHET MANDREL 73557210 TO SAFELY DEFLECT THE COLLET FINGERS.

O) DISASSEMBLY TOOL

O-1) PARTS LIST

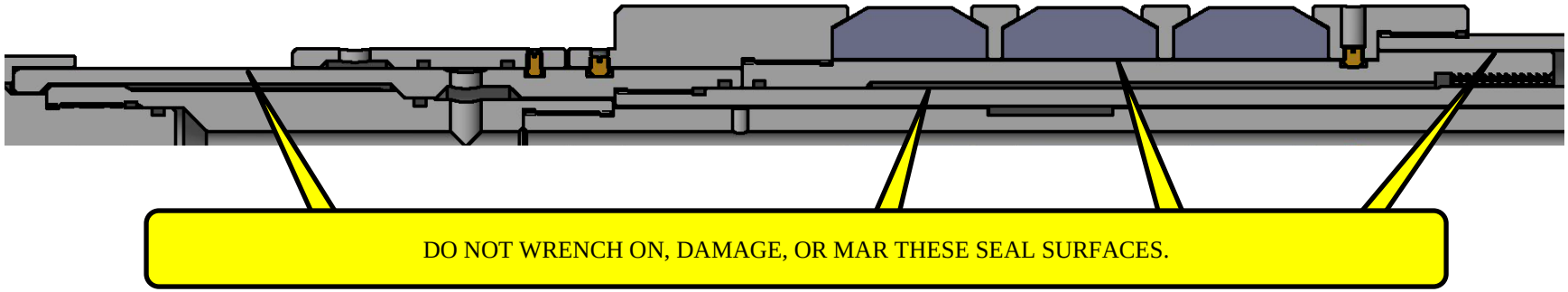
ITEM	QTY	DESCRIPTION	MATERIAL	P/N AT73557-2
T2-1	1	THREADED ROD	STEEL	AT73557-004
T2-2	1	TOP PLATE	DLMS110	AT73557-001
T2-3	1	INTERNAL COLLET LUG	DLMS110	AT73557-005
T2-4	1	THREADED LUG	DLMS110	AT73557-003
T2-5	4	1/2 LARGE FLAT WASHER	DLM360BRS	FW050B-1
T2-6	1	WELDED HOUSING ASSEMBLY	DLMS110	AT73557-008
T2-7	2	STEEL HEX NUT .500-13 UNC	STEEL	SHN050C

O-2) TECHNICAL ILLUSTRATION



NOTE: THIS DISASSEMBLY TOOL IS USED WHEN REMOVING RATCHET MANDREL 73557210 TO SAFELY DEFLECT THE COLLET FINGERS.

P) SEAL SURFACES



Q) REVISION HISTORY

DATE	REVISION	DESCRIPTION OF CHANGES	REVISED BY	APPROVED BY
09/25/2019	J	Added P/N 73554; Revised Elastomer Trim Temp. Guide nitrile rating	J.Anderson	N.Banker
10/17/2018	H	LHSC037C025 QTY 8 was SCS025C025 QTY 4	J.Anderson	C.Colvin
08/01/2016	G	Revised Disassembly and Assembly for removal and installation of ratchet mandrel; Added General Screw Torque Recommendations	J.Anderson	K.Riggs
12/11/2015	F	Revised Setting and Retrieving Procedures	J.Anderson	R.Dyer
11/23/2015	E	Revised Elastomer Trim Temperature Guide; Removed max. temperature rating	J.Anderson	R.Dyer
11/09/2015	D	Added P/N 73555; Revised max. tensile load shear stud rating, item #1 was #32, P/N 32045950 qty 8 was 4; Removed P/N 73557902	J.Anderson	R.Dyer
10/07/2015	C	Revised Retrieving Procedures, Disassembly, Assembly, P/N 73555011 was 73557011, 73555210 was 73557210, 73555220 was 73557220, P/N BSSSLT025C037 qty was 4, Technical Illustration; Added P/N BSSSLT1032F037	J.Anderson	R.Dyer
08/31/2015	B	Added tensile load rating during retrieval, Fig. 3, Assembly Tool P/N AT735-PUNCH	J.Anderson	R.Dyer
03/31/2015	A	Created new tech manual;	-	-