



GV CUP PACKER

9-5/8" X 3-1/2"

Manual No:
DL-439-9625-638

Revision: **A**

Revision Date:
11/14/2013

Authored by: J.Anderson

Approved by: K.Plunkett

A) DESCRIPTION

The D&L GV Cup Packer is an economical means of isolating casing leaks and depleted zones and is also a production or injection packer for low pressure applications. Depending on application, the GV Cup Packer can be run with cups opposed or in the same direction. The GV Cup Packer is also available in a full range of tubing and casing sizes in two-cup or four-cup models.

B) SPECIFICATION GUIDE

CASING		RECOMMENDED HOLE SIZE (INCHES)	TOOL OD (INCHES)	TOOL ID (INCHES)	THREAD CONNECTION BOX UP / PIN DOWN	PART NUMBER
SIZE (INCHES)	WEIGHT (LBS/FT)					
9-5/8	40.0 – 47.0#	8.681 – 8.835	8.450	3.00	3-1/2" EUE	43995

DIFFERENTIAL PRESSURE (MAX)	TENSILE LOAD THRU TOOL (MAX)	RECOMMENDED RUNNING DEPTH (MAX)	RECOMMENDED RUNNING SPEED (MAX)
5,000 PSI	80,000 LBS	7,000 FT	60 FT/MIN

C) SETTING PROCEDURES

Trip packer to desired depth.

D) RELEASING PROCEDURES

Pull tubing string to remove packer from well bore.

E) ELEMENT SELECTION GUIDE

RUBBER TYPE	TEMPERATURE RANGE
NITRILE	70° - 300°F
HSN (HNBR)	70° - 325°F
VITON	100° - 350°F

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

D & L OIL TOOLS

P.O. BOX 52220 TULSA, OK 74152

PHONE: (800) 441-3504

www.dloiltools.com



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G) DISASSEMBLY

G-1) Clamp top sub (2) in vise.

G-1.1) Unscrew and remove bottom sub (3) from mandrel (1).

G-1.2) Remove lower cup retainer (6) and lower cup assembly (5) from mandrel (1).

G-1.2.1) Remove o-ring (7) from lower cup assembly (5).

G-1.3) Remove spacer (4) from mandrel (1)

G-1.4) Remove upper cup retainer (6) and upper cup assembly (5) from mandrel (1).

G-1.4.1) Remove o-ring (7) from upper cup assembly (5).

G-1.5) Unscrew and remove mandrel (1) from top sub (2).

G-2) Unclamp and remove top sub (2) from vise.

H) ASSEMBLY

NOTE₁: Clean and inspect all parts. Replace all worn and damaged parts. Install parts in proper order and orientation.

H-1) Clamp top slip (2) in vise.

H-1.1) Screw mandrel (1) into top sub (2).

H-1.2) Install o-ring (7) in groove in cup assembly (5).

H-1.3) Install upper cup assembly (5) onto mandrel (1).

H-1.4) Install upper cup retainer (6) onto mandrel (1).

CAUTION₁: Do not rip or tear o-ring during installation.

H-1.5) Install spacer (4) onto mandrel (1).

H-1.6) Install o-ring (7) in groove in cup assembly (5).

H-1.7) Install lower cup assembly (5) onto mandrel (1).

H-1.8) Install lower cup retainer (6) onto mandrel (1).

CAUTION₁: Do not rip or tear o-ring during installation.

H-1.9) Screw bottom sub (3) onto mandrel (1).

H-2) Unclamp top sub (2) from vise and remove assembled tool.

I) PARTS LIST

ITEM	QTY	DESCRIPTION	MATERIAL	P/N 43995 (40.0 – 47.0#)
1	1	MANDREL	1026	43995210
2	1	TOP SUB	1026	43995610
3	1	BOTTOM SUB	1026	43995630
4	1	SPACER	1026	43995522
5	2	CUP ASSEMBLY	80 DURO NITRILE	P-958-1
6	2	CUP RETAINER	1026	46095840
7	2	349 O-RING	90 DURO NITRILE	90349

REDRESS KIT (RDK)	43995050
ASSEMBLED WEIGHT	113 LBS



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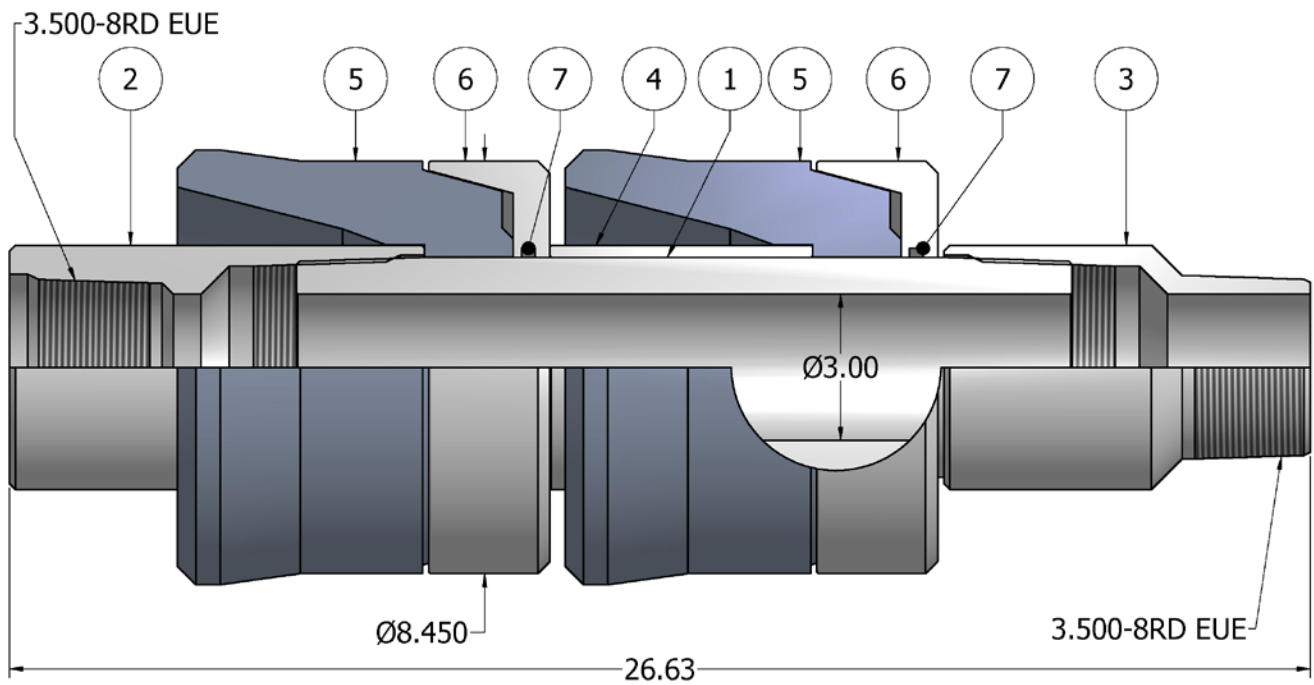
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J) TECHNICAL ILLUSTRATION



K) REVISION HISTORY

DATE	REVISION	DESCRIPTION OF CHANGES	REVISED BY	APPROVED BY
11/14/13	A	Created new manual	-	-