



OILFIELD SERVICE LTD.

WIRELINE  
COMPOUNDER

TOOL OD	PULL TO FULLY OPEN	MAXIMUM PULL AFTER FULLY OPEN	TOTAL STROKE	MANDREL TORQUE	BODY JOINT TORQUE
1-1/2"	1,500 lbs	32,000 lbs	9"	60 ft/lbs	90 ft/lbs
38.10 mm	667 daN	14,234 daN	228.60 mm	81 Nm	122 Nm
1-3/4"	2,000 lbs	47,000 lbs	9"	100 ft/lbs	120 ft/lbs
44.45 mm	890 daN	20,906 daN	228.60 mm	136 Nm	163 Nm
1-7/8"	2,000 lbs	47,000 lbs	9"	100 ft/lbs	120 ft/lbs
47.62 mm	890 daN	20,906 daN	228.60 mm	136 Nm	163 Nm
2-1/8"	3,200 lbs	72,000 lbs	9"	190 ft/lbs	150 ft/lbs
53.97 mm	1,423 daN	32,026 daN	228.60 mm	257 Nm	203 Nm

**NOTE:** All specifications are accurate within 15%. Other sizes available upon request.

**Lee Oilfield Service Ltd. Compounders** are used with Jars to give a more effective blow to your stuck point when jarring. This happens because you do not rely on the stretch of the working string to give you upward motion of the weight above the Jars for impact. Jarring effectiveness is determined by how rapidly you can impact weight into the Jars. When using a Compounder, the over pull energizes the Compounder through approximately ten inches of travel. When the Jar passes through its restricted section it releases the stored energy in the Compounder, accelerating the upward movement of the weight between the Compounder and the Hydraulic Jars, giving a higher impact.

A Compounder also removes a lot of the stresses on the wireline and rope socket because all the jarring action is taking place between the Hydraulic Jar and Compounder during jarring operations.

**NOTE:** Do not run a compounder with a jar which has more than 10" of total stroke.

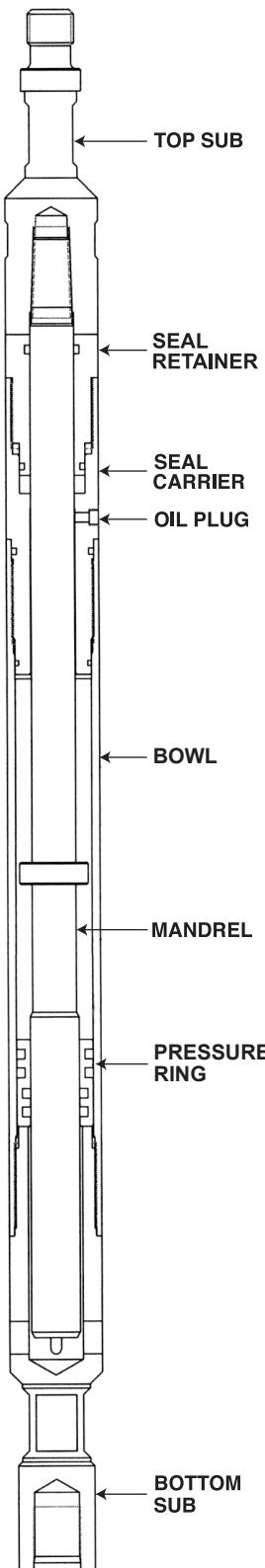
## JARRING WITH A COMPOUNDER

Hydraulic Jars (low as possible)

Bumper Jar

Weight Bars (Up to 200 lbs.) if possible

Compounder at rope socket or cable head



## SERVICING

Compounds are a very simple tool that work with compressible fluid and are very easy to service.

1. Break 3 body joints. Remove bottom sub.
2. Remove bowl. Tap pressure ring out.
3. Hold top sub, break and unscrew mandrel and support the mandrel to prevent bending.
4. Unscrew seal retainer from seal carrier and remove fill plug.
5. Remove all old seals.
6. Clean and inspect parts for wear & damage.

## ASSEMBLY

1. Install new seals.
2. Screw seal retainer into seal carrier.
3. Lubricate mandrel and slide seal carrier over mandrel, screw top sub onto mandrel and tighten to specs.
4. Slide bowl over mandrel and screw onto seal carrier. Install oil plug but do not tighten.
5. Close tool fully and stand upright and fill with special fluid until full, about 3/4" to 1" below threads. Slide pressure ring onto Mandrel and start it into Bowl. Screw the bottom sub into bowl until you get a hydraulic pressure build-up in oil chamber. Angle tool at approximately 30 degrees with oil plug up at highest point. Continue screwing bottom sub into bowl displacing any air and surplus oil through plug hole. Be sure tool remains fully closed at all times during filling. Tighten plug and torque body joints to specs.

PART OD	1-1/2" 38.10 mm	1-3/4" 44.45 mm	1-7/8" 47.62 mm	2-1/8" 53.97 mm
TOP SUB	WC-150-01	WC-175-01	WC-1875-01	WC-2125-01
SEAL RETAINER	WC-150-02	WC-175-02	WC-1875-02	WC-2125-02
SEAL CARRIER	WC-150-03	WC-175-03	WC-1875-03	WC-2125-03
MANDREL	WC-150-04	WC-175-04	WC-1875-04	WC-2125-04
BOWL	WC-150-05	WC-175-05	WC-1875-05	WC-2125-05
BOTTOM SUB	WC-150-06	WC-175-06	WC-1875-06	WC-2125-06
PRESSURE RING	WC-150-07	WC-175-07	WC-1875-07	WC-2125-07
SERVICE KIT	WC-150-08	WC-175-08	WC-1875-08	WC-2125-08
COMPLETE UNIT	WC-150-11	WC-175-11	WC-1875-11	WC-2125-11