



OILFIELD SERVICE LTD.

**LUBRICATED  
FISHING BUMPER JAR**

TOOL SIZE		CONNECTION	MAXIMUM PULL AFTER FULLY OPEN	TOTAL STROKE	MAXIMUM TORQUE	BODY JOINT TORQUE
OD	ID					
2-1/4"	3/4"	2" LDC	83,000 lbs	10"	1,670 ft/lbs	1,000 ft/lbs
57.15 mm	19.05 mm		36,918 daN	254.00 mm	2,263 Nm	1355 Nm
2-7/8"	1"	2-3/8" PAC	182,000 lbs	15"	3,900 ft/lbs	2,300 ft/lbs
73.02 mm	25.40 mm		80,954 daN	381.00 mm	5,285 Nm	3,117 Nm
3-1/8"	1"	2-3/8" REG	182,000 lbs	20"	4,660 ft/lbs	2,800 ft/lbs
79.37 mm	25.40 mm		80,954 daN	508.00 mm	6,314 Nm	3,794 Nm
3-3/4"	1-1/4"	2-7/8" REG	364,000 lbs	20"	9,200 ft/lbs	5,500 ft/lbs
95.25 mm	31.75 mm		161,907 daN	508.00 mm	12,466 Nm	7,453 Nm
3-3/4"	1-1/2"	2-3/8" IF	288,000 lbs	20"	9,200 ft/lbs	5,500 ft/lbs
95.25 mm	38.10 mm		128,102 daN	508.00 mm	12,466 Nm	7,453 Nm
3-3/4"	1.900"	2-3/8" EU	220,000 lbs	15"	5,800 ft/lbs	3,500 ft/lbs
95.25 mm	48.26 mm		97,856 daN	381.00 mm	7,859 Nm	4,743 Nm
4-1/2 "	2-3/8"	2-7/8" EU	400,000 lbs	15"	9,800 ft/lbs	5,880 ft/lbs
114.30 mm	60.32 mm		177,920 daN	381.00 mm	13,279 Nm	7,967 Nm
4-3/4"	2"	3-1/2" IF	505,000 lbs	20"	14,000 ft/lbs	8,400 ft/lbs
120.65 mm	50.80 mm		224,624 daN	508.00 mm	18,970 Nm	11,382 Nm
5-1/4"	2-1/4"	4" FH	600,000 lbs	30"	26,000 ft/lbs	15,000 ft/lbs
133.35 mm	57.15 mm		266,880 daN	762.00 mm	35,230 Nm	20,325 Nm

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

The **LEE OILFIELD LUBRICATED FISHING BUMPER JAR** is ruggedly engineered to be used in all situations where bumping downwards may be required. The tools are designed to permit 10" to 24" free stroke. All internal mechanisms are lubricated. Specially designed rugged splines provide a source of continuous torque transmission. The splines are fully engaged at all times. The knocker connection is designed with a special thread which does not require to be thread locked during servicing to prevent thread backing off downhole. Clearances in all sealing areas are kept to a minimum to allow the pumping of drilling fluids for long periods of time without failure due to washouts. The 10" to 24" strokes are very effective because of the small amount of fluid displacement during the downward stroke of the bumper jar.

**USAGE:** To activate the **LEE OILFIELD LUBRICATED FISHING BUMPER JAR**, pull upwards the stroke of the tool, then release the brake and let the working string free fall, quickly stopping with the brake at the point of impact. This will cause a tremendous downward impact on the bumper jar.