

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