LEE OILFIELD SERVICE LTD.

MECHANICAL FISHING BUMPER JAR

TOOL SIZE		CONNECTION	MAXIMUM PULL AFTER FULLY OPEN	TOTAL STROKE	MAXIMUM TORQUE	KNOCKER TORQUE	BODY JOINT TORQUE
OD	ID						
1-11/16”	3/8”	1” AMMT	75,000 lbs	10”	1,000 ft/lbs	180 ft/lbs	600 ft/lbs
42.86 mm	9.52 mm		33,360 daN	254.00 mm	1,355 Nm	244 Nm	813 Nm
2-1/4”	1/2”	2” LDC	108,000 lbs	20”	1,850 ft/lbs	300 ft/lbs	1,100 ft/lbs
57.15 mm	12.70 mm		48,038 daN	508.00 mm	2,507 Nm	407 Nm	1,491 Nm
2-7/8”	1”	2-3/8” PAC	176,000 lbs	24”	3,950 ft/lbs	700 ft/lbs	2,370 ft/lbs
73.02 mm	25.40 mm		78,285 daN	609.60 mm	5,352 Nm	949 Nm	3,211 Nm
3-1/8”	1”	2-3/8” REG	178,700 lbs	24”	5,000 ft/lbs	700 ft/lbs	3,000 ft/lbs
79.37 mm	25.40 mm		79,486 daN	609.60 mm	6,775 Nm	949 Nm	4,065 Nm
3-3/4”	1-1/4”	2-7/8” REG	270,400 lbs	24”	9,200 ft/lbs	1,200 ft/lbs	5,500 ft/lbs
95.25 mm	31.75 mm	2-3/8” IF	120,274 daN	609.60 mm	12,466 Nm	1,626 Nm	7,453 Nm
3-3/4”	1.900”	2-3/8” EUE	256,000 lbs	24”	6,700 ft/lbs	1,200 ft/lbs	4,000 ft/lbs
95.25 mm	48.26 mm		113,869 daN	609.60 mm	9,079 Nm	1,626 Nm	5,420 Nm
4-1/2”	2-3/8”	2-7/8” EUE	391,500 lbs	24”	13,400 ft/lbs	1,500 ft/lbs	8,000 ft/lbs
114.30 mm	60.32 mm		174,139 daN	609.60 mm	18,157 Nm	2,033 Nm	10,840 Nm
4-3/4”	2”	3-1/2” IF	584,800 lbs	48”	19,000 ft/lbs	2,000 ft/lbs	11,400 ft/lbs
120.65 mm	50.80 mm		260,119 daN	1,219.20 mm	25,745 Nm	2,710 Nm	15,447 Nm
5-1/4”	2-1/4”	4” FH	648,000 lbs	48”	26,000 ft/lbs	3,000 ft/lbs	15,000 ft/lbs
133.35 mm	57.15 mm		288,230 daN	1,219.20 mm	35,230 Nm	4,065 Nm	20,325 Nm
6-1/4”	2-1/4”	4-1/2” FH	900,000 lbs	60”	36,000 ft/lbs	4,000 ft/lbs	21,600 ft/lbs
158.75 mm	57.15 mm	4-1/2” IF	400,320 daN	1,524.00 mm	48,780 Nm	5,420 Nm	29,268 Nm
6-3/4”	2-1/2”	5-1/2” REG	860,000 lbs	60”	44,000 ft/lbs	4,600 ft/lbs	26,400 ft/lbs
171.45 mm	63.50 mm		382,528 daN	1,524.00 mm	59,620 Nm	6,233 Nm	35,772 Nm
8”	2-3/4”	6-5/8” REG	1,273,000 lbs	60”	65,000 ft/lbs	6,000 ft/lbs	39,000 ft/lbs
203.20 mm	69.85 mm		566,230 daN	1,524.00 mm	88,075 Nm	8,130 Nm	52,845 Nm
9”	2-3/4”	7” H90	1,338,000 lbs	60”	102,000 ft/lbs	7,000 ft/lbs	61,200 ft/lbs
228.60 mm	69.85 mm		595,142 daN	1,524.00 mm	138,210 Nm	9,485 Nm	82,926 Nm

NOTE: All specifications are accurate within15%. Other tool sizes and stroke lengths available upon request.

The **LEE OILFIELD MECHANICAL FISHING BUMPER JAR** is designed to provide a relatively inexpensive yet durable bumper jar for use in all fishing operations. Made from high grade heat treated alloy steels, it has the strength to perform sustained bumping operations with minimal maintenance. The tool has replaceable mud screens to prevent foreign objects in the well bore from entering into the inner mechanisms of the bumper jar. This will extend the life of the internal parts, drastically reducing maintenance costs.

USAGE: TO BUMP DOWN IN THE HOLE, lift the fishing string sufficiently to open the bumper jar completely and a slight over pull in the string. Drop the fishing string sharply to within approximately six inches of the closed position of the bumper jar and stop it quickly with the brake. This will cause a tremendous downward impact.

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