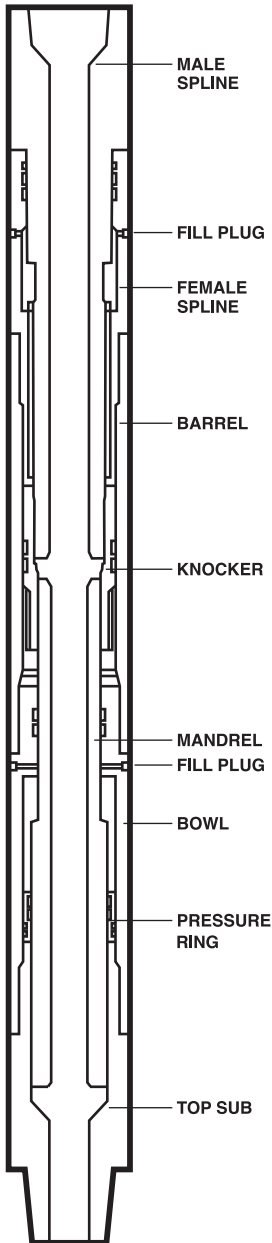


TOOL SIZE		CONNECTION	LENGTH	PULL TO FULLY OPEN	MAXIMUM PULL AFTER FULLY OPEN	TOTAL STROKE	MAXIMUM TORQUE	BODY JOINT TORQUE
OD	ID							
7"	2"	5-1/2 Reg	112"	44,000 lbs	706,500 lbs	18"	59,000 ft/lbs	35,000 ft/lbs
177.80 mm	50.80 mm		2.84 m	19,571 daN	314,251 daN	457.20 mm	79,945 Nm	47,425 Nm

NOTE: All specifications are accurate within 15%.



The **LEE OILFIELD SURFACE DRIVER** is used along with the surface jar on occasions when you are stuck off bottom and not enough pipe stretch to activate a surface jar properly, or on slant rig operations when the bumping weight can not fall efficiently to drive the fish loose. When using the Lee Oilfield Driver you energize the Driver through a distance of up to 18" depending on the amount of pull. When the surface jar releases the Surface Driver pulls the weight above it downwards accelerating the weight mass downwards creating a huge downward impact when the Surface Driver is fully closed.

OPERATION:

Place Surface Driver on top of fish. Pick up surface jar and place as much weight as possible between surface jar and surface driver. When using the Lee Oilfield Hydraulic surface jar you can remove the safety locking strap before you begin jarring or simply pull approximately 10 to 12 daN to shear the strap.

When jarring with a hydraulic surface jar and surface driver you must maintain your overpull as the surface jar creeps open. This is to keep the surface driver energized until the surface jar releases and the surface driver slams shut creating a downward impact.

Minimum pull required to activate efficiently 10,000 daN (22,482 lbs.)