



UNIVERSAL CALIBRATION SUB

The **LiMAR**[®] Universal Jar Calibration Sub is used to function all available LiMAR Power Jars from 1-1/2" to 2-1/2" to either confirm the activation point or 'trip' setting of the Adjustable or Sure-Trip Spring Jars and the full function of the Hydraulic Mechanical, Hydromatic or Oil Jars prior to running in hole.

The Sub is made up to the Jar and by simply rotating the tommy bar at the end of the Calibration Sub load is applied across the latch mechanism of the Jar. Simultaneously, a hydraulic piston will compress a fluid filled chamber and the resultant pressure created is registered on the pressure gauge in psi. This reading is directly proportionate to the tripping force in pounds force and indicates the tension required to activate the Power Jars down hole.

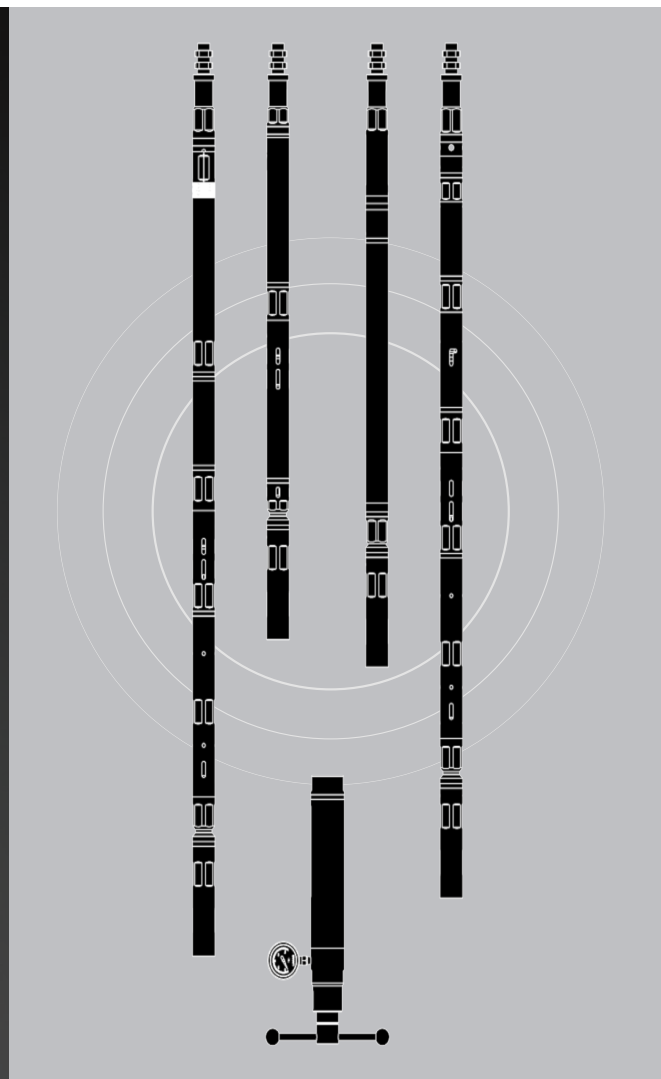
TOOL APPLICATIONS:

- To function or correctly set the activation point of all LiMAR Power Jars from 1-1/2" to 2-1/2" including Adjustable Spring, Sure-Trip, Hydraulic Mechanical, Oil & Hydromatic Jars

DESIGN FEATURES & BENEFITS:

Suitable for all LiMAR Power Jars including:

- Adjustable Spring Jar
- Sure-Trip Jar
- Hydraulic Mechanical Jar
- Oil Jar
- Hydromatic Jar
- Compact, one-piece Calibration Sub
- Simple, robust design ensuring ease of operation for the end user
- Manually operated, internal piston excludes requirement for additional hand pump and hose
- Directly proportionate piston pressure (psi) to the tripping force of the LiMAR Power Jar (lbs) making calibration simple
- Optional protection and transportation case available
- Bleed screw feature for removal of air from hydraulic chamber
- Selected components QPQ treated



TECHNICAL DATA

Assembly Part No.	To Suit Jars	Pressure Gauge Deflection
1221-1500-2500-00-R0	1.500" / 1.750" / 1.875" / 2.125" / 2.500"	10000 psi (1 psi = 1 lbs)

For additional sizes or further information please contact sales@limaroiltools.com