



K>NETIC HYDRAULIC MECHANICAL JAR

The **LiMAR**[®] Hydraulic Mechanical Jar is designed to provide optimum upward jarring impact force when used in conjunction with a correctly matched **LiMAR**[®] Accelerator Sub.

The Jar incorporates harmonised hydraulic and mechanical functions improving reliability and performance in both oil and gas wells.

By maintaining an overpull, the Jar will trip and 'fire' the toolstring upwards in a rapid motion. The jar is then simply re-cocked by setting down toolstring weight to re-latch the body to the jar rod.

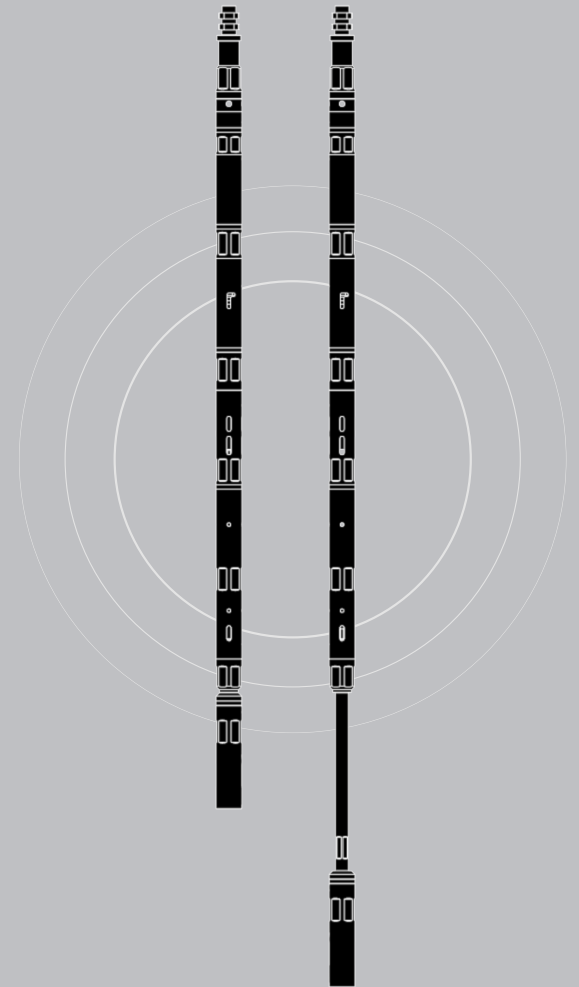
Unlike most jars available on the market the jar collet latch mechanism is positioned in the upper section of the jar housing. This makes the jar less prone to failure by the incursion of debris in and around the latch mechanism during utilisation.

TOOL APPLICATIONS:

- For controlled, optimum upward jarring during the retrieval of downhole items

DESIGN FEATURES & BENEFITS:

- Available in industry standard toolstring sizes
- Harmonised hydraulic and mechanical functions improving reliability in oil and gas wells
- 200, 500 and 1000 grade silicone oil available to control jar release time in varied well temperatures
- Unique inverted jar design for improved debris tolerance
- Balance piston chamber to limit well pressure effects
- Simplistic, ergonomic design for rapid redress
- "J" Slot feature for simple and safe jar rod release at surface
- Connection options to suit customer requirements
- Simple, robust design ensuring ease of operation for the end user
- Selected components QPQ treated
- Hexagonal flats for safe make-up & break-out
- Matched Accelerator Subs available to suit LiMAR Jar range



TECHNICAL DATA

Assembly Part No.	Actual OD	Fish Neck	Connection	Working Range	Jar Stroke	Make up Length - Closed
1049-1250-XXX-RX	1.250"	1.187"	Optional	up to 800lbs	9.81"	47.05" (LQK)
1049-1500-XXX-RX	1.500"	1.375"	Optional	up to 1100lbs	10.50"	49.52" (LQK)
1049-1750-XXX-RX	1.750"	1.375"	Optional	up to 3000lbs	12.61"	53.24" (LQK)
1049-1875-XXX-RX	1.875"	1.750"	Optional	up to 3000lbs	12.61"	54.81" (LQK)
1049-2125-XXX-RX	2.125"	1.750"	Optional	up to 3000lbs	12.61"	54.51" (LQK)
1049-2500-XXX-RX	2.500"	2.313"	(LQK-HD)	up to 7000lbs	14.86"	68.63" (LQK-HD)
1049-2875-XXX-RX	2.875"	2.375"	(LQK-HD)	up to 10,000lbs	14.86"	72.03" (LQK-HD)

XXX - Last 3 digits of part number denotes connection type
 For additional sizes or further information please contact sales@limaroiltools.com