

UNI-JAR

The **LiMAR**[®] Uni-Jar package comprises of the **LiMAR**[®] Adjustable Spring Jar, Calibration Sub, Hydraulic Jar & Accelerator. It is ideal for use in circumstances where high impact toolstring components are used in cases of necessity and where inventory reduction is important.

The common latching system between the Adjustable Spring and Hydraulic Jar allows utilisation of a single, common Jar Rod which offers operational flexibility particularly when selecting the right type of jar for the right well.

The Uni-Jar is available in sizes ranging from 1.500" to 2.500" OD and with connection options to suit Customers' requirements. Short Stroke Jar options are also available when rig-up height is limited.

TOOL APPLICATIONS:

- To provide a compact package of key components required in the event that higher impacts are required during standard operations

**DESIGN FEATURES & BENEFITS:
ACCELERATOR**

- Stroke length optimised to suit equivalent Hydraulic & Spring Jar size and setting range

ADJUSTABLE SPRING JAR - SUB

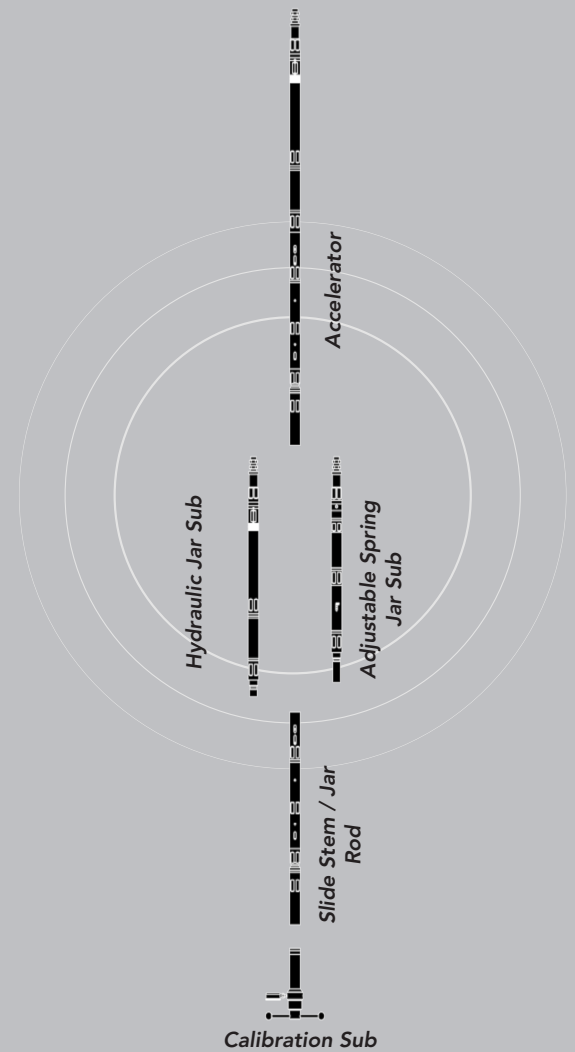
- Unique inverted jar design with upper latch mechanism
- Simple, ergonomic and on-toolstring adjustment feature
- One piece Calibration Sub

HYDRAULIC JAR - SUB

- 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

SHARED FEATURES & BENEFITS

- Available in industry standard toolstring sizes
- Connection options to suit customer requirements
- Simple, robust design ensuring ease of operation or the end user
- Selected components QPQ treated
- Hexagonal flats for safe make-up & break-out



TECHNICAL DATA

Assembly Part No.	Actual OD	Fish Neck	Connection	Working Range
1075-1500-XXX-RX	1.500"	1.375"	Optional	up to 1100lbs
1075-1750-XXX-RX	1.750"	1.375"	Optional	up to 3000lbs
1075-1875-XXX-RX	1.875"	1.750"	Optional	up to 3000lbs
1075-2125-XXX-RX	2.125"	1.750"	Optional	up to 3000lbs
1075-2500-XXX-RX	2.500"	Optional	Optional	up to 7000lbs

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