

## KNUCKLE JAR

The **LiMAR**<sup>®</sup> Knuckle Jar is designed to provide a point of flexibility along the length of a wireline toolstring as well as providing a short bi-directional mechanical jarring action.

The Knuckle Jar is often used within a toolstring to convey downhole data acquisition tools where a long stroke mechanical type jar may cause damage to the internal components of downhole gauges.

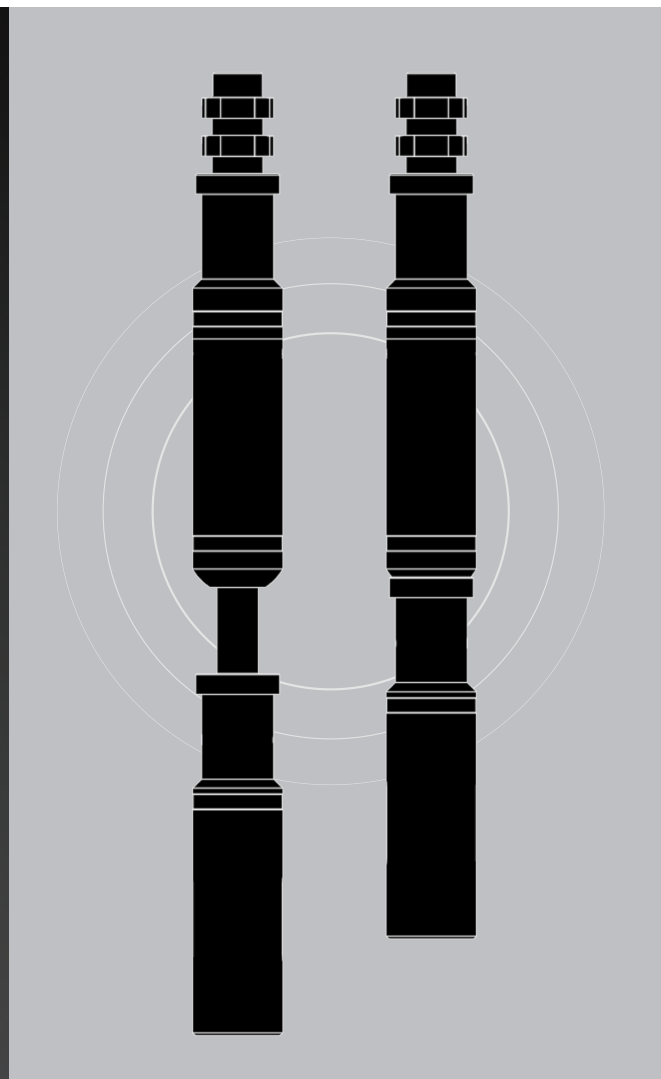
Configuring a Knuckle Jar within the toolstring also enables it to pass unrestricted over nipple shoulders, tubing crossovers and other points where a rigid toolstring may encounter difficulty.

**TOOL APPLICATIONS:**

- To provide a point of flexibility and short stroke jarring action within a wireline toolstring

**DESIGN FEATURES & BENEFITS:**

- Integral grease nipple for ease of maintenance and operation
- 10 degree deflection angle from centre line
- Contingent fish necks on lower components to enable recovery
- 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



**TECHNICAL DATA**

Assembly Part No.	Actual OD	Fish Neck	Connection	Contingent Fish Neck	Stroke	Make up Length (Closed)
1034-1250-XXX-RX	1.250"	1.187"	Optional	1.187"	2"	13.37" (LQK)
1034-1500-XXX-RX	1.500"	1.375"	Optional	1.375"	2"	15.17" (LQK)
1034-1750-XXX-RX	1.750"	1.375"	Optional	1.375"	2"	15.50" (LQK)
1034-1875-XXX-RX	1.875"	1.750"	Optional	1.750"	2"	15.63" (LQK)
1034-2125-XXX-RX	2.125"	1.750"	Optional	1.750"	2"	15.88" (LQK)
1034-2500-XXX-RX	2.500"	2.313"	Optional	2.313"	2"	20.28" (LQK)

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