

Sup-R-Jar® Hydraulic Drilling Jar

The Logan Sup-R-Jar® Hydraulic Drilling Jar is a dynamic double-acting hydraulic drilling jar that delivers superior performance at a superior value. The Sup-R-Jar® is capable of delivering a heavy impact when a bottom hole assembly becomes stuck. The Sup-R-Jar® is designed with simplicity and quality in mind. The tool is simple to build, easy to dress, and is extremely durable.

Designed to operate as an integral part of a drill string, it can withstand normal drilling conditions of torque, pump pressure, temperatures up to 300°F, and long-term use. Because the Sup-R-Jar's design is temperature self-compensated, the tool can be run in higher operating temperatures and in harsher environments for longer rotating times downhole. There is no need to circulate or cool down the Sup-R-Jar® as its design allows it to maintain its temperature compensation at all times.

Superior Performance Capabilities

- High over-pull capacity with a rating greater than that of conventional jars of the same size
- Long free stroke
- Higher impact capability to hit harder than other jars of the same size
- Can be run in tension or compression
- Metering mechanism allows re-cocking of the jar by raising or lowering the drill string
- Design ensures that the jar will not automatically cock or fire with the pumps in normal drilling operations

LOGAN SUP-R-JAR® SPECIFICATIONS			
TOOL SIZE OD in (mm)	4-3/4 (120.65)	6-1/2 (165.10)	8 (203.20)
ID in (mm)	2-1/4 (57.15)	2-3/4 (69.85)	3 (76.20)
TOOL JOINT CONNECTION *	3-1/2 IF	4-1/2 IF & XH	6-5/8 REG
MAXIMUM DETENT WORKING LOAD lbf (N)	90,000 (400,340)	185,000 (822,921)	300,000 (1,334,466)
TENSILE YIELD STRENGTH lbf (N)	452,737 (2,013,875)	916,152 (4,075,247)	1,302,363 (5,793,199)
TORSIONAL YIELD STRENGTH ft-lb (N-m)	35,744 (48,462)	56,395 (76,461)	102,056 (138,369)
TOOL WEIGHT lb (kg)	1,800 (816)	2,600 (1,179)	3,800 (1,723)
TOOL LENGTH ft (m)	31 (9.4)	33 (10.1)	34 (10.4)

