

# Shockwave™ Bi-Directional Hydraulic Fishing Jar

The Logan Shockwave™ Bi-Directional Hydraulic Fishing Jar is a dynamic double-acting fishing jar which delivers superior performance at a superior value. Its rigorous design provides unsurpassed jarring performance in any application. Coupled with Logan's Superior jar knowledge and experience, the Shockwave™ Bi-Directional Fishing Jar is the clear solution to every fishing situation.

- Design protects the tool from the affects of temperature providing consistent impact during jarring operations
- Long free stroke delivers unrivaled impact force
- Interchangeable subs provide tool joint adaptability
- 360° Machined Splines maximize torque capabilities
- Large pump open area prevents automatic cocking or firing
- Endures operating temperatures above 400°F with optional high-temperature seal kits
- Can be effectively and efficiently integrated into stuck situations
- Rugged design provides reliable jarring in every situation

LOGAN SUP-R-JAR® SPECIFICATIONS			
TOOL SIZE OD in	4-3/4	6-1/4 & 6-1/2	8
ID in	2.25	2.75	3.00
TOOL JOINT CONNECTION *	3-1/2 IF	4-1/2 IF	6-5/8 REG
MAX JARRING LOAD (LBS.)	90,000	200,000	300,000
TENSILE YIELD STRENGTH (LBS.)	452,725	916,150	1,302,350
TORSIONAL YIELD STRENGTH (LBS.)	35,700	76,125	102,050

\* Additional tool joint connections cut to customer request

