

FISHING AVOIDANCE

Increase LockJar[®] hydraulic jar impact effectiveness during openhole logging

LockJar[®] multi-conductor enhancer

BENEFITS

- Increases effectiveness of the LockJar hydraulic jar impact
- Adds critical weight to the hammer mass
- Protects the cable head

Halliburton's LockJar[®] Multi-Conductor E-Line Jar can be run with an Enhancer tool that increases jar impact to free stuck tool strings so logging can continue without costly delays.

Available in 3.5-in. OD and 2.75-in. OD, the Enhancer increases the effectiveness of the LockJar hydraulic jar impact by utilizing energy stored in a compressed spring stack to increase velocity of the hammer mass as it travels up the wellbore when the jar activates. Increased velocity of the hammer mass yields a greater impact load delivered to the stuck point.

The Enhancer adds weight to the hammer mass, which is critical for increased impulse (duration of impact load) delivered to the stuck point.

The Enhancer protects the cable head by defusing the impact load traveling up the tool string and through the spring stack.



LockJar® multi-conductor enhancer

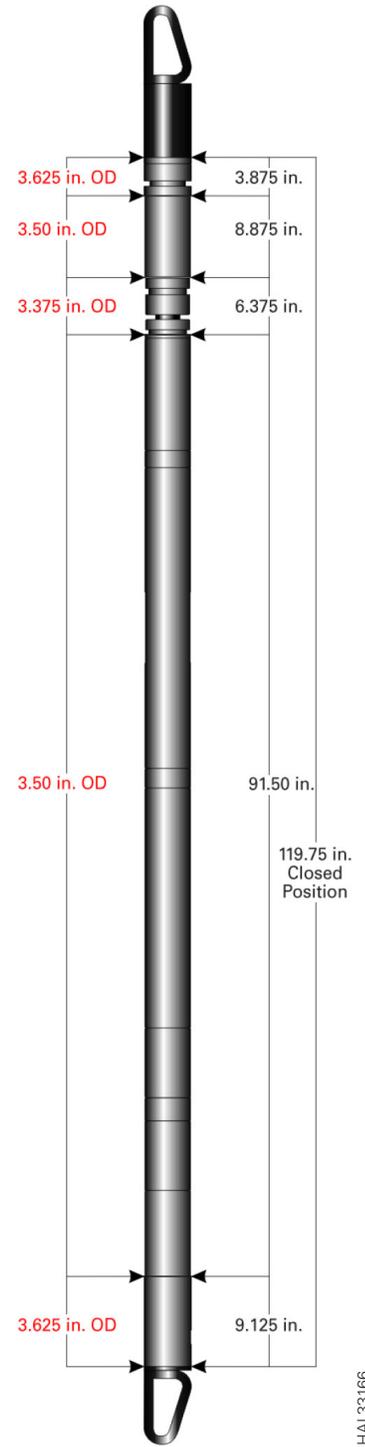
DIMENSIONS AND RATINGS						
OD	MAXIMUM TEMPERATURE	MAXIMUM PRESSURE	MINIMUM HOLE	MAXIMUM HOLE	LENGTH	WEIGHT
3.63 in. (92.10 mm)	400°F (204°C)	22,500 psi (155 MPa)	4 in. (10.2 cm)	* *	119.75 in. (304.2 cm)	251 lb (113.6 kg)
2.75 in. (69.90 mm)	500°F (260°C)	30,000 psi (207 MPa)	4 in. (10.2 cm)	* *	111.125 in. (282.3 cm)	149 lb (67.6 kg)

* Tool not restricted to hole sizes over minimum hole.

PHYSICAL STRENGTHS*		
MAXIMUM OD	MAXIMUM TENSION	MAXIMUM COMPRESSION
3.63 in. (92.10 mm)	130,000 lb (58,967 kg)	130,000 lb (58,967 kg)
2.75 in. (69.90 mm)	100,000 lb (45,359 kg)	100,000 lb (45,359 kg)

* Strengths apply to new assemblies at 70°F (21°C) and 0 psi (0 MPa).

HARDWARE CHARACTERISTICS	
OD	STROKE LENGTH
3.63 in. (92.10 mm)	4.5 in. (11.43 cm) total (1 in. (2.54 cm) metering, 3.5 in. (8.89 cm) jarring)
2.75 in. (69.90 mm)	4.25 in. (10.80 cm) total (0.75 in. (1.91 cm) metering, 3.5 in. (8.89 cm) jarring)
OD	COMBINABILITY
3.63 in. (92.10 mm)	DITS
2.75 in. (69.90 mm)	Hostile



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For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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