

Increase LockJar® hydraulic jar impact effectiveness during openhole logging

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, the Enhancer increases 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.

Benefits

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



HAL33177

LockJar® Multi-Conductor Enhancer - Model B

Dimensions and Ratings

OD	Maximum Temperature*	Maximum Pressure*	Minimum Hole	Maximum Hole	Length	Weight
3.50 in. (88.90 mm)	500°F (260°C)	30,000 psi (207 MPa)	4 in. (10.2 cm)	* *	115.5 in. (293.4 cm)	254 lb (115.2 kg)

* In some configurations, maximum pressure may be 20,000 psi (138 MPa) and maximum temperature may be 400°F (204°C).

** Tool not restricted to hole sizes over minimum hole.

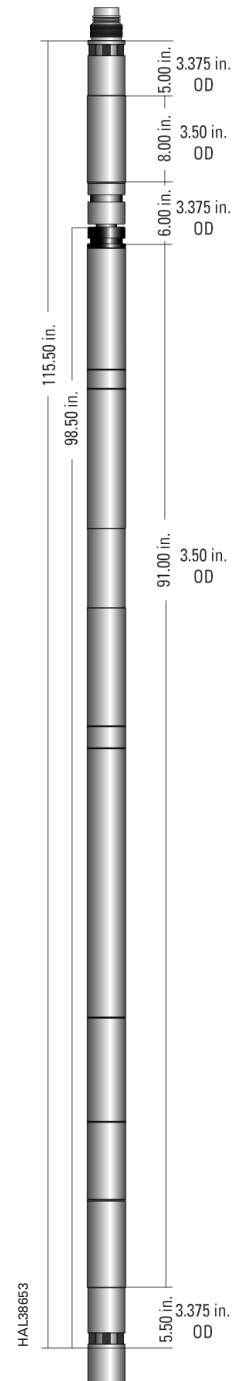
Physical Strengths*

Maximum OD	Maximum Tension	Maximum Compression
3.50 in. (88.90 mm)	130,000 lb (58,967 kg)	130,000 lb (58,967 kg)

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

Hardware Characteristics

OD 3.50 in. (88.90 mm)	Stroke Length 4.5 in. (11.43 cm) total (1 in. (2.54 cm) metering, 3.5 in. (8.89 cm) jarring)
OD 3.50 in. (88.90 mm)	Combinability DA-Compatible 28 Pin



**To see the LockJar tool in action and for more information,
visit us at www.halliburton.com/loggingjar**