

## FEATURES

- Mechanical lock prevents triggering until preset load is exceeded
- Hydraulic time delay allows triggering at any load above preset lock load
- Pressure compensated design eliminates sensitivity to changes in pressure or temperature
- Sealed design protects seals and impact surfaces for greater reliability

## BENEFITS

- Lowers risk of stuck or lost toolstring in cased hole logging and perforating
- Does not interrupt or impede toolstring functionality
- Can be activated multiple times in multiple intervals
- Arrives ready to run and does not require a service engineer
- Rugged enough for multiple jobs before redress is required, an advantage in remote or international locations

## FISHING AVOIDANCE

# LockJar® single conductor E-Line hydraulic jar – model B

Simple, effective device for freeing a stuck toolstring during cased hole applications

Halliburton's LockJar® Single Conductor E-Line Jar provides a simple way to protect against time-consuming and expensive stuck strings and fishing jobs in cased hole logging and perforating operations.

Available in 1.6875-in. OD and 2.75-in. OD sizes, the single conductor LockJar has proven to be extremely effective for releasing stuck perforating guns and bridge plugs and can be activated multiple times in multiple intervals to free a stuck tool string and preserve a logging run without costly delays.

Rated to 500°F and 25,000 psi, the versatile LockJar hydraulic jar is hydraulically actuated and equipped with a mechanical lock that can be manually adjusted during shop assembly to trigger at a desired over pull. This provides a simple, yet very effective, means of freeing a stuck tool string and significantly reduces risk when perforating a well or recovering pipe.

All internal parts of the LockJar hydraulic jar are sealed and segregated from the wellbore, minimizing wear on critical parts and increasing tool reliability both as a data transmitter and power supply.

Rugged enough for multiple jobs before redress is required, the Lockjar hydraulic jar arrives ready to run and does not require a service engineer on site.

Since its commercial introduction in 2000, the LockJar hydraulic jar has routinely freed stuck tool strings in areas where fishing jobs are common and unproductive rig time is prohibitive.



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## LockJar® mono conductor jar - model B

DIMENSIONS AND RATINGS						
OD	MAX TEMP	MAX PRESSURE	MIN HOLE	MAX HOLE	LENGTH	WEIGHT
1.6875 in. 4.28625 cm	500°F (260°C)	20,000 psi (1.38 MPa)	2 in. 5.08 cm	* *	61 in. 154.94 cm	37 lb 16.783 kg
2.75 in. 6.985 cm	500°F (260°C)	30,000 psi (2.07 MPa)	4 in. 10.16 cm	* *	76 in. 193.04 cm	101 lb 45.813 kg

\* Tool not restricted to hole sizes over minimum hole

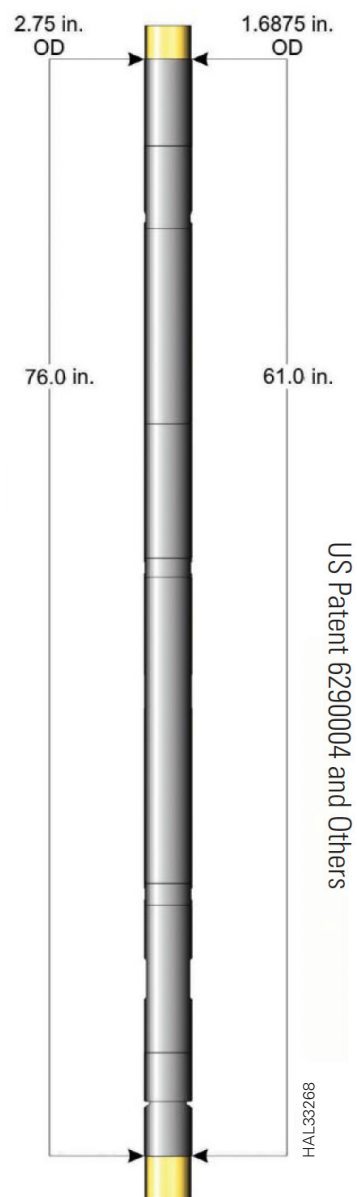
## Physical strengths\*

OD	MAX TENSION	MAX COMPRESSION
1.6875 in. 4.28625 cm	40,000 lb 18.144 kg	40,000 lb 18.144 kg
2.75 in. 6.985 cm	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

## Hardware characteristics

OD	ACTUATION TYPE
1.6875 in. 4.28625 cm	Hydraulic Time Delay with Mechanical Lock
2.75 in. 6.985 cm	Hydraulic Time Delay with Mechanical Lock
OD	LOCK SETTING
1.6875 in. 4.28625 cm	300 lb (136.08 kg) to 1000 lb (453.59 kg)
2.75 in. 6.985 cm	500 lb (226.80 kg) to 1500 lb (680.39 kg)
OD	STROKE LENGTH
1.6875 in. 4.28625 cm	4.0 in. (10.16 cm) total (1 in. (2.54 cm) metering, 3.0 in. (7.62 cm) jarring)
2.75 in. 6.985 cm	4.25 in. (10.80 cm) total (.75 in. (1.91 cm) metering, 3.5 in. (8.89 cm) jarring)
OD	COMBINABILITY
1.6875 in. 4.28625 cm	A-3
2.75 in. 6.985 cm	A-3
OD	IMPACT VALUE
1.6875 in. 4.28625 cm	Variable with Hole Conditions
2.75 in. 6.985 cm	Variable with Hole Conditions



For more information, contact your local Halliburton representative or visit us on the web at [www.halliburton.com](http://www.halliburton.com)

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