

Horizontal Self Cocking Jar

Technical Data Sheet

Assembly : 401-0209-004

The Omega Horizontal Self Cocking Jar is a long stroke hydraulic jar which has the unique capability of re-setting itself in a highly deviated or horizontal wellbore.

Whereas standard Hydraulic, spang or spring jars rely on gravity to re-set, the Omega Horizontal Jar incorporates a re-setting spring which provides sufficient re-setting force independent of deviation.

Originally designed to be run with the Omega Tractor, the Horizontal Jar provides greater flexibility to many non-tractor operations.

A unique feature of the Omega Horizontal Jar is the viscosity compensation metering system which maintains the metering time near constant regardless of the temperature (refer to graph on next page).

The pressure balanced design offers a jar that will operate in nearly all environments without the need to change oil between runs or for differing well conditions.

When deployed with the Omega Hi-Deviation Tubular Jar & Roller Subs the Omega Horizontal Jar has operated in deviations of over 90 degrees.



Omega

Omega Completion Technology Ltd.

Features

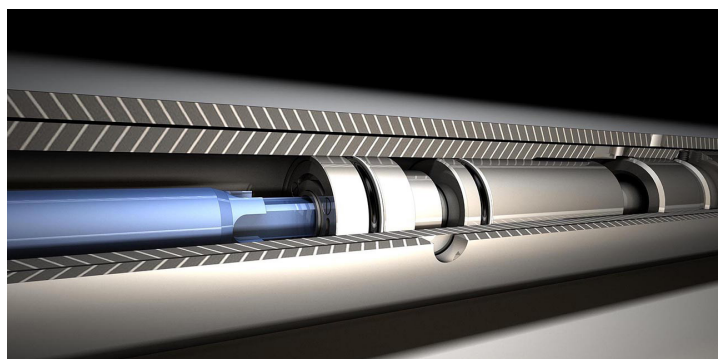
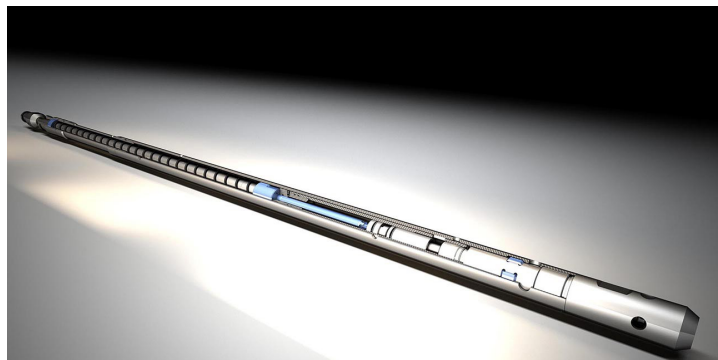
- Re-setting spring.
- Sealed hydraulic unit.
- Compensating metering system.
- Matched accelerators available.

Applications

- Standard and Hi-Deviation wireline intervention.
- Opening sliding side doors.
- Utilised with Omega Roller Subs, Catapults & Tractors.
- Wireline fishing operations.

Benefits

- Self cocking mechanism reduces intervention time, risks, and costs.
- Reliable firing mechanism over industry standard Hydraulic Jars.
- Does not require to be 'pre-set' at surface. Activated via an overpull.
- Hydraulic Cartridge design eliminates 'gassing up' issues commonly seen in hydro jars.

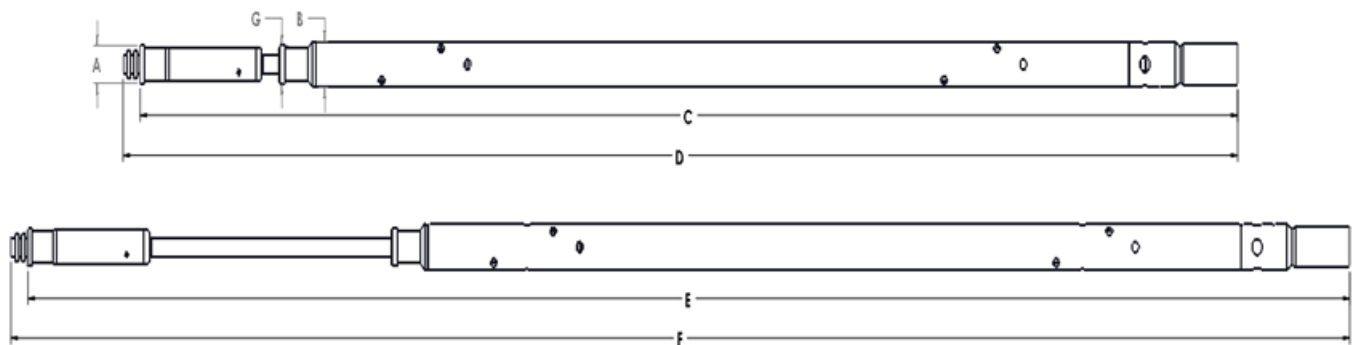


HI-DEVIATION



Technical Specifications

Description	2.09" OD Horizontal Self Cocking Jar
Assembly Number	401-0209-004
Connections	1-1/2" QLS Male x Female
Tool Max OD	2.09"
Fishing Neck Primary	1.375"
Fishing Neck Secondary	1.750"
Overall Length Closed	80.0"
Overall Length Open	94.5"
Stroke (Effective)	14.5"
Weight	52.8 lbs
Service	Standard
Max Tensile Rating	48,000 lbs



Dimensional Data	
A	1.375"
B	2.09"
C	78.0"
D	80.0"
E	95.0"
F	97.0"
G	1.75"

HI-DEVIATION

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