
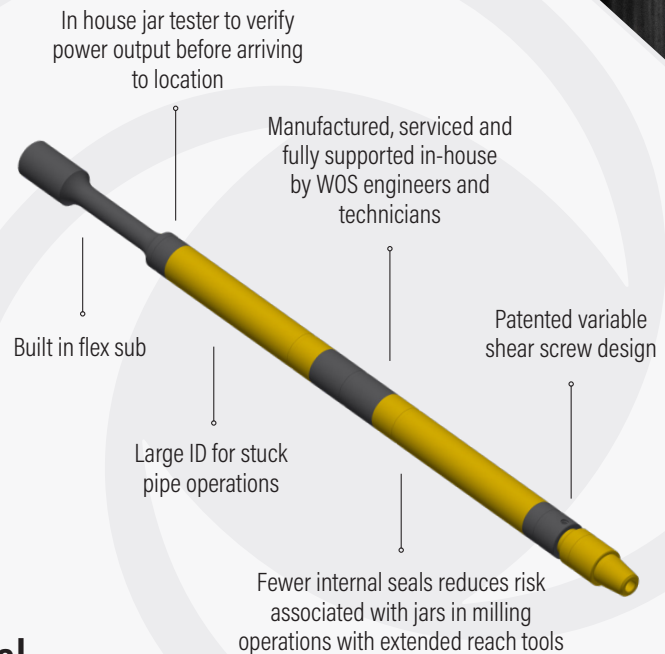


Deliver hundreds of hits without loss in performance

I.H. Jars

 Run in operations needing bidirectional, unidirectional or bumper jars



I.H. Jars Patent # US11098549

About This Product

The Workover Solutions Igneous HAMMR Jars can be used for fishing, workover and frac plug milling operations on both coiled tubing and stick pipe operations. The WOS Jars are robust, dependable; provide a high jarring impact while maintaining a short overall length. They are conventionally run as bidirectional hydraulic jars but can easily be converted to be unidirectional jars, for fishing operations, or as bumper jars. The WOS Jars are unique since they can be pinned in the closed position prior to operations. In doing so this eliminates some of the internal seal failures associated with jars being ran on milling operations with extended reach tools. The result is a jar that is ready to fire at all phases of the operation.

Benefits

- Locked to prevent premature activation while running in hole
- Reduced overall length without loss in performance
- Field proven to deliver hundreds of hits over multiple days without a loss in performance
- Ready to fire during all phases of the operation eliminating cycle time
- Flexibility in direction allows for jar to be utilized in any operation

Robust and dependable design

I.H. Jars

Hydraulic Jars Specs

Tool Size, in	1.700	2.375	2.875	3.125	3.500	3.750	6.250
Max OD, in	1.700	2.375	2.875	3.125	3.500	3.750	6.250
Min ID, in	0.540	0.750	1.000	1.000	1.120	1.880	2.250
Shoulder to Shoulder Length, in	51.15	68.70	62.50	66.50	74.13	76.80	269.50
Stroke Length, in	12	12	10.8	12.8	12	12	24
Torsional Yield, ft-lbs	725	2,700	3,200	4,875	8,600	12,100	44,500
Top Connection	1" MT Box	1-1/2" MT Box	2-3/8" PAC Box	2-3/8" REG Box	2-3/8" REG Box	2-7/8" AOH Box	4-1/2" IF Box
Bottom Connection	1" MT Pin	1-1/2" MT Pin	2-3/8" PAC Pin	2-3/8" REG Pin	2-3/8" REG Pin	2-7/8" AOH Pin	4-1/2" IF Pin
Tensile Yield, lb-f	61,600	97,000	167,000	222,000	300,000	240,000	1,000,000
Max Overpull	13,000	49,000	75,000	80,000	98,000	70,000	270,000
Max Overpush	6,500	24,500	37,500	40,000	49,000	35,000	135,000

 Proven reliable design for milling operations with hard hitting extended reach tools

Features

- Can be ran in operations needing bidirectional, unidirectional or bumper jars
- Proven reliable design for milling operations with hard hitting extended reach tools
- Stroke length and jarring ability similar to competitors with reduced overall length
- Patented variable shear screw design
- Built in flex sub



Accessories

- WOS Overshot
- WOS Motors
- WOS Fishing Tools
- WOS Intensifier



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MADE IN THE U.S.A.

