Wired GriffithForce DA HJ

Double Acting Hydraulic Jar

The Wired Griffith™Force double-acting hydraulic drilling jar merges the reliable history and design of Griffith products with the most innovative high speed, bi-directional data network downhole technology. This jar features a high-yield mechanical construction, optimum protective parts material, and enhanced high pressure sealing technology for dependable performance when jarring for extended periods fully integrated into the IntelliServ broadband network telemetry system. The new Wired GriffithForce drilling jars include state of the art and latest generation V2 induction coils on connections, and armored coaxial cable throughout the tool to transmit high speed data from downhole tools to surface in real time.

The Wired GriffithForce drilling jar is hydrostatically balanced, and a newly designed pressure retaining system protects the tool from the high internal pressures generated during jarring. The tool has a high maximum overpull load limit delivering high energy impacts on demand while maintaining full connectivity via the IntelliServ drillstring network. This jar is the ideal solution for drilling and fishing applications available in a variety of rig connections.

Technical data

OD	4.75 in.	6.5 in.
Series/assembly	4532	4531
Wired series/assembly	4542	4550
ID	2.25 in.	2.75 in.
Max hole diameter	7.875 in.	12.25 in.
Length	29 ft.	27 ft.
Weight	1,150 lbs	1,970 lbs
Stroke up	6 in.	5.2 in.
Stroke down	5.5 in.	6.8 in.
Torsional yield	21,200 ft.lb	50,000 ft.lb
Jarring load up/down	95,000 lbf	180,000 lbf
Max tensile load to yield	460,000 lbf	880,000 lbf
POA	6.5 in^2	11 in^2
Connection type	wXT38	wDS50

4.75 in. Base series/assembly #4532 and wired series/assembly #4542
6.5 in. Base series/assembly #4531 and wired series/assembly #4550
4.75 in. Wire kit PN# KTF0170 and 6.5 in. wire kit PN# is KTF0094
All Wired GriffithForce Drilling Jar connections have last generation V2 coils

Features and benefits

- 100% integrated into the IntelliServ broadband network
- Connectivity and real time data transmission – high speed, bi-directional downhole data transmission to surface with up to 57,600 bits/sec
- State of the art and last generation V2 coils and armored coaxial cable for high speed data transmission
- Compatibility – large inner diameter for use with ball and dart activated tools
- Versatility – fully hydraulic jar ideal for placement in extended reach applications
- Infinitely variable impacts – provides hydraulic metering with a high maximum overpull load limit
- Continuous and consistent jarring performance – retains hydraulic delay in both directions
- Reliable design – high-yield material construction combined with optimum protective part material

downhole@nov.com
nov.com/downhole