



DRILLING JARS

GRIFFITHFORCE™ DOUBLE-ACTING HYDRAULIC DRILLING JAR

The *GriffithForce™* double-acting hydraulic drilling jar features high-yield mechanical construction, optimum protective parts material, and enhanced high-pressure sealing technology for dependable performance when jarring for extended periods.

The *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 shorter overall length and a high maximum overpull load limit delivering high energy impacts on demand. This jar is the ideal solution for drilling and fishing applications.

DEPENDABLE PERFORMANCE WHEN JARRING FOR EXTENDED PERIODS FEATURES

- **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.



GRIFFITHFORCE™

TECHNICAL SPECIFICATIONS

Tool O.D. (+API drill collar tolerance)	6.5 in.	8 in.
	165 mm	203 mm
Tool I.D.	2.75 in.	3.05 in.
	70 mm	78 mm
Length (extended)	19.8 ft	19.6 ft
	6.03 m	5.97 m
Weight	1510 lbs	2300 lbs
	686 kg	1045 kg
Stroke up (free stroke)	6 in.	6 in.
	152 mm	152 mm
Stroke down (free stroke)	6 in.	6 in.
	152 mm	152 mm
Maximum load during hydraulic delay	180,000 lbf	300,000 lbf
	80,068 daN	133,400 daN
Maximum tensile load after jarring	880,000 lbf	1,400,000 lbf
	391,450 daN	622,700 daN
Maximum torsional load (to yield body connections)	50,000 lb-ft	95,000 lb-ft
	68,000 N-M	128,800 N-M
Maximum recommended hole diameter (hole openers not recommended)	12.25 in.	17.5 in.
	311 mm	445 mm
Pump open area	11.0 in ²	14.2 in ²
	71 cm ²	92 cm ²