



DRILLING JARS

SHOCKFORCE™ DRILLING JAR

The *ShockForce™* double-acting fully hydraulic drilling jar with an extended stroke length, was engineered to deliver industry-leading impact forces. The hydrostatically balanced jar can withstand downhole pressures up to 30,000 psi. An integrated elevator lift area and a bottom flex sub reduce fatigue while drilling.

The *ShockForce™* drilling jar also includes two unique features: Safety Lock module and JarMax technology. The internal Safety Lock module eliminates the need for a traditional external safety collar, unlocking the tool only with sufficient hydrostatic pressure downhole and locking the tool automatically when tripping out. JarMax technology releases the jar before it reaches its over-pull limit, which prevents damage and lets you quickly and repeatedly jar at maximum capacity without time-consuming calculations.

JARMAX TECHNOLOGY FEATURES

- Longest free stroke lengths available – generates higher impact and impulse forces.
- Hydrostatically balanced – operational to 30,000 psi.
- Improved sealing technology – delivers reliable, consistent impacts under extended jarring
- Integrated elevator lift area – cost savings from reduced handling time.
- Safety Lock module – eliminates the need for a traditional safety collar.
- JarMax technology – ensures the hardest hits and prevents jarring damage to the tool.



SHOCKFORCE™

TECHNICAL SPECIFICATIONS

Size	6 1/2 in	7 in	8 in
Minimum O.D.	6.50 in	7 in	8 in
Minimum I.D.	2.75 in	2.75 in	3.06 in
Free stroke up	9 in	9 in	9 in
Free stroke down	8 in	8 in	8 in
Torsional yield	58,500 ft-lbs	83,000 ft-lbs	123,000 ft-lbs
Maximum tensile load after jarring	920,000 lbs	1,230,000 lbs	1,610,000 lbs
Max (up/down) load during hydraulic delay	182,000 lbs	235,000 lbs	325,000 lbs
Maximum hydrostatic	30,000 psi	30,000 psi	30,000 psi

*Safety Lock Module Max Hydrostatic = 25,000 psi (172,300 kpa)