

HYDRAULIC DOUBLE ACTING DRILLING JAR

- The Double Acting Hydraulic Drilling Jar is a bi-directional drilling jar incorporating hydraulic delay without a latch mechanism. This jar will allow the operator to apply variable impact in both the up and down directions. The Double Acting Hydraulic Drilling Jar is intended for use in highly deviated or high friction wells, where conditions may prevent applying sufficient force to release a mechanical latch.

FEATURES

- The Double Acting Hydraulic Drilling Jar is hydraulically controlled and jars in both directions, with impact force controlled by the operator
- The Double Acting Hydraulic Drilling Jar operates via a simple up and down motion and is unaffected by right- or left-hand torque
- Impact force is controlled by a metering device that ensures consistent delay times over the full range of operating temperatures
- Standard seals are effective up to **250°F** (120°C)
- The jar can be dressed with seals effective to **400°F** (200°C) for hot hole environments
- The jar can be dressed with seals effective to **450°F** (230°C) for extreme environments
- External sealing surfaces are tungsten carbide-coated to enhance wear and corrosion resistance

Nominal OD (inch)	Length (ft)	Thru Bore (inch)	Tensile Yield (lbs)	Torsional Limit (ft-lbs)	Max Pull During Delay (lbs)	Free Stroke Up / Down (inch)	Total Stroke (inch)
4.75	22.0	2.25	482 000	21 500	132 000	8.0	25.0
6.50	23.1	2.75	1 220 000	51 000	275 000	8.0	25.0
6.75	22.7	2.75	1 237 000	63 300	290 000	8.0	25.0
7.00	22.7	2.75	1 237 000	67 800	290 000	8.0	25.0
8.00	23.2	2.81	1 472 000	103 200	400 000	8.0	25.0
9.50	24.1	3.00	2 550 000	200 000	550 000	8.0	25.0