

HYDRAULIC MECHANICAL DRILLING JAR

→ Hydraulic/Mechanical Drilling Jar is a double acting jar, designed to deliver hydraulic delay when jarring in the up direction, and mechanical release when jarring in the down direction.

The Hydraulic/Mechanical Drilling Jar incorporates a latch mechanism to keep the jar locked in the neutral position and eliminate unexpected jarring while tripping or racking on the derrick.

FEATURES

- Usually operated in the latched position to reduce unexpected jarring while
- Simple up and down motion to operate, not affected by
- Optimal for use in high friction, directional and extended reach horizontal
- Mechanical latch prevents wear of the tool during drilling
- No need to extend or open the jar before running in the
- Adjustable latch release
- Can be run in tension or in compression within the preset latch

→ Standard seals in the tool are effective to

250°F
[120°C]

The jar can be dressed with seals

400°F
[200°C] for hot hole environments

The jar can be dressed with seals

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)	Space Thru Bore (inch)	Tensile Yield (lbs)	Torsional Limit (ft-lbs)	Nominal Up Latch Setting (lbs) (ft-lbs)	Nominal Down Latch Setting (lbs)	Max Pull During Delay (lbs)	Free Stroke Down (inch)	Free Stroke Up (inch)
4,13	18,9	2,00	280 000	15 000	45 000	25 000	110 000	5,0	6,0
4,75	19,6	2,25	391 000	20 000	55 000	30 000	132 000	5,0	6,0
5,25	19,6	2,25	391 000	31 500	55 000	30 000	132 000	5,0	6,0
6,50	20,5	2,25	777 000	52 400	90 000	40 000	250 000	5,0	6,0
6,75	20,5	2,75	907 500	48 800	95 000	42 000	270 000	5,0	6,0
8,00	20,7	2,81	949 000	98 000	100 000	45 000	400 000	5,5	6,0