ELEMENT OILFIELD TECHNOLOGIES INC.

SUPRA FISHING JAR

ELEMENT'S SUPRA FISHING JAR is a fishing tool that provides larger jarring force when compared with others of the same specifications. This jar's structure is compact, performance is reliable and is easy to adjust and operate under different drilling conditions. The jar is a new type of top jarring tool used in oilfield, geological exploration and fishing operation.

The top jarring action is achieved via a hydraulic mechanism. As the tool attached directly above the fishing jar is raised, there is sufficient time for the drill tool to store elastic energy due to the damping action between the tapered piston and the sealing body.

When the taper piston slowly moves to the release bore, the drill tool suddenly contracts and produces an upward dynamic load by the instant unloading of the pressurized hydraulic oil. A reliable impact working surface is designed in the product structure to ensure that a large upward jarring force is generated to free the stuck tool while hard stopping the piston. The jar uses the spline for torque transmission, so as to aid the rotation of the drill tool and mud circulation at the bottom of the well. An important feature of this jar is the ease of closing and resetting the tools for consecutive jarring.

OD (inch)	ID (inch)	Connection	Jarring Load (lbs)	Tensile Yield (lbs)	Torque @ Yield (ft-lb)	Length (ft.inch)
3-3/4	1-1/4	2-7/8" REG	75,000	326,000	6,300	12.8
4-3/4	2	3-1/2" IF	100,000	585,000	14,100	13.6
6-1/2	2	4-1/2"	220,000	1,300,000	33,600	13.6
7-3/4	3	6-5/8" REG	284,000	1,600,000	64,000	15

** Values are theoretical and in the tolerance of about ± 20%. Actual values may vary as per operating conditions.*

Above table is for reference only. Jars can be manufactured as per client requirements.
Left Hand connections available as per request.