

DJ10A | Double Acting Hydra-Mechanical Drilling Jar

The DJ10A drilling jar was redesigned with a larger ID than comparable 500 series drilling jars to effectively increase customer MWD retrievability success rates. It remains one of the toughest and most durable in the industry, and its two way action allows hydraulic operation upwards and downwards. Cougar's proprietary internal mechanical latch (Figure 1) assures that the jar will not accidentally fire while tripping or making connections.

FEATURES AND BENEFITS

- ④ Large bore ID of 2.280" (58mm)
- ④ Dual action hydraulic operation
- ④ Increased MWD recovery rates
- ④ Effective deployment and recovery of logging tools
- ④ Proprietary internal mechanical latch
- ④ No external safety clamp required
- ④ Adjustable latch settings

DJ10A-500 SPECIFICATIONS

O.D.	4.875 in	124 mm
ID	2.280 in	58 mm
Length	19.0 ft	5.8 m
Weight	800 lbs	363 kgs
Pump Open Area	11.0 in ²	71.0 cm ²
Latch Setting Range	0 - 40,000* lbs	0 - 17,700* daN
Max Pull for Firing	84,000 lbs	37,300 daN
Max Pull after Firing	380,000 lbs	169,000 daN
Max Torque	17,000 ft-lbs	23,000 N-m
Free Stroke Up	6 in	15 cm
Free Stroke Down	6 in	15 cm
Max Temp - Standard Seals	250°F	121°C
Max Temp - Hot Hole Seals	400°F	205°C
Max Temp - Geo Seals	400°F +	205°C +

*Down lock loads will typically be 60-70% of the up value

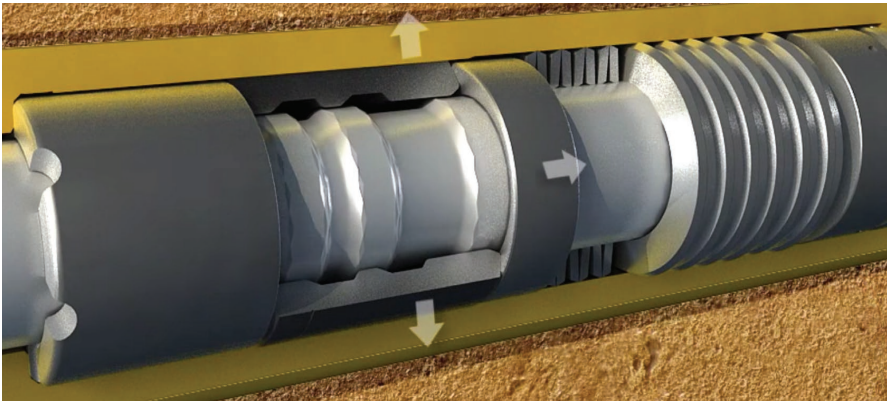


Figure 1. Proprietary internal latching mechanism to prevent mis-firing and eliminate the need for external safety clamps.

