

# DJ6M | Geothermal Drilling Jar

The DJ6M was designed specifically to address the demands of geothermal wells. Custom modifications to the proven DJ6 product line include high temperature steam rated seals (up to 450°F / 232°C) and mechanical firing without delay in both directions. Cougar's proprietary internal mechanical latch (Figure 1) assures that a correctly configured jar will not accidentally fire while tripping, making connections or while racked in the derrick.

### SPECIFICATIONS

**Imperial**

Tool Model	OD (in)	ID (in)	Length (ft)	Weight (lb)	Pump Open Area (in <sup>2</sup> )	Latch Setting Range (lbf)	Maximum Pull for Firing (lbf)	Maximum Overpull (lbf)	Maximum Torque (ft-lb)
DJ6M-500	4.875	2.250	17.0	700	11.0	0-40,000*	84,000	380,000	17,000
DJ6M-650	6.550	2.500	17.5	1,400	16.8	0-110,000*	156,000	685,000	40,000
DJ6M-800	8.150	2.813	19.0	2,300	28.2	0-110,000*	291,000	1,150,000	68,000

**Metric**

Tool Model	OD (mm)	ID (mm)	Length (m)	Weight (kg)	Pump Open Area (cm <sup>2</sup> )	Latch Setting Range (daN)	Maximum Pull for Firing (daN)	Maximum Overpull (daN)	Maximum Torque (N-m)
DJ6M-500	124	57	5.2	317	71.0	0-17,700*	37,300	169,000	23,000
DJ6M-650	166	64	5.3	635	108.4	0-48,900*	69,300	304,700	54,200
DJ6M-800	207	71	5.9	1,043	181.9	0-48,900*	129,400	511,500	92,200

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

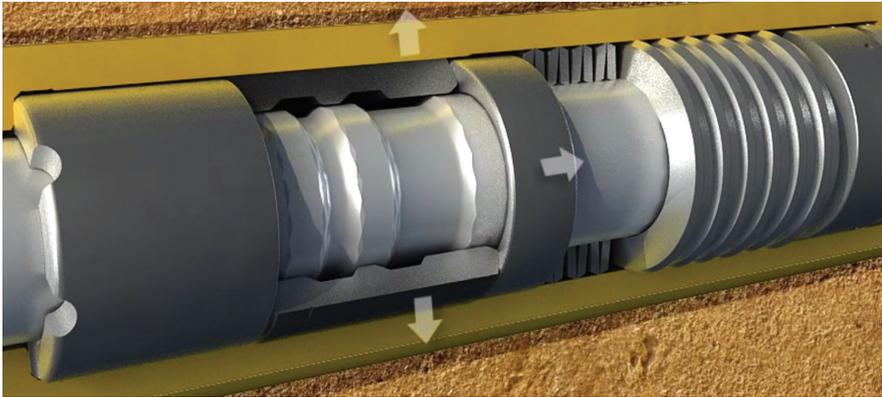


Figure 1. Proprietary internal latching mechanism to prevent mis-firing and eliminate the need for external safety clamps.

