

# DJ10 | Double Acting Hydra-Mechanical Drilling Jar

The DJ10 drilling jar remains one of the toughest and most durable in the industry. The two way action of the jar gives the operator the ability to work the tool both, upwards and downwards. This particular jar operates hydraulically in both directions, downward and upward. Cougar's proprietary internal mechanical latch (*Figure 1*) assures that the jar will not accidentally fire while tripping or making connections.



### SPECIFICATIONS

**MAX TEMPERATURE**

Standard Seals: 250°F / 121°C  
 High Temp Seals: 405°F / 207°C  
 Geo Seals: 405°F + / 207°C +

**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 Pull after Firing (lbf)	Maximum Torque (ft-lb)
DJ10-418	4.125	2.000	19.0	600	7.8	0-45,000*	115,000	190,000	14,000
DJ10-500	4.875	2.250	19.0	800	11.0	0-40,000*	84,000	380,000	17,000
DJ10-650	6.550	2.500	18.5	1,600	16.8	0-110,000*	156,000	685,000	40,000
DJ10-800	8.125	2.813	19.5	2,350	28.2	0-110,000*	291,000	1,150,000	68,000
DJ10-825	8.250	2.813	19.5	2,400	28.2	0-110,000*	291,000	1,150,000	68,000
DJ10-950	9.550	2.813	20.0	3,300	33.2	0-120,000*	361,000	1,500,000	141,000
DJ10-1000	10.000	3.000	20.0	4,000	33.2	0-120,000*	400,000	1,500,000	170,000

**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 Pull after Firing (daN)	Maximum Torque (N-m)
DJ10-418	105	51	5.8	272	50.3	0-20,000*	51,100	84,500	18,900
DJ10-500	124	57	5.8	363	71.0	0-17,700*	37,300	169,000	23,000
DJ10-650	166	64	5.6	726	108.4	0-48,900*	69,300	304,700	54,200
DJ10-800	207	71	5.9	1,066	181.9	0-48,900*	129,400	511,500	92,200
DJ10-825	210	71	5.9	1,088	181.9	0-48,900*	129,400	511,500	92,200
DJ10-950	243	71	6.1	1,497	214.2	0-53,300*	160,500	667,200	191,100
DJ10-1000	254	76	6.1	1,814	214.2	0-53,300*	177,900	667,200	230,500

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

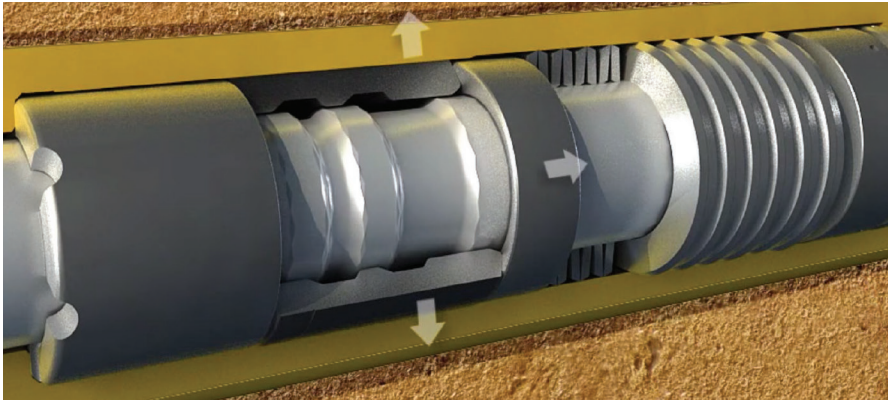


Figure 1. Proprietary internal latching mechanism to prevent mis-firing and eliminate the need for external safety clamps.

