

# Thru-Tubing Milling Motors

Innovex offers multiple configurations of positive displacement motors for downhole milling applications. The downhole motor offers the ability to remove multiple obstructions from the wellbore, using positive displacement technology. Innovex offers multiple power section configurations and robust bearing sections to deliver an industry leading downhole motor.

## FEATURES AND BENEFITS

- Multiple power section configurations to meet any operator's well condition
- Superior quality checks during assembly, maintenance, and overhaul processes
- Pre and post dyno on every motor to ensure quality products are delivered to our customers
- High flow motors resulting in increased annular velocity
- Fluid lubricated bearing assembly



### THRU-TUBING MILLING MOTOR

MOTOR SIZE	POWER SECTION	NUMBER OF STAGES	FLOW RANGE (BPM)	BIT SPEED (RPM)	TORQUE OUTPUT (FT-LB)
1-11/16"	Dragon Hawk	4.4	0.59-1.07	280-500	162
1-11/16"	Spiral Hawk	2.3	0.48-0.95	202-405	168
2-1/8"	Dragon Hawk	6.0	0.48-1.19	255-640	188
2-1/8"	Spiral Hawk	6.0	0.48-1.19	270-680	412
2-7/8"	Night Hawk	4.7	1.19-4.00	188-631	646
2-7/8"	Spiral Hawk	3.5	1.43-2.86	200-400	644
3-1/8"	Night Hawk	3.0	1.90-4.00	144-303	990
3-1/8"	Dragon Hawk	3.5	2.38-5.00	225-475	1070
3-1/8"	Top Hawk	3.5	2.38-5.00	230-470	990
3-1/2"	Night Hawk	3.0	1.43-4.00	147-412	836
3-1/2"	Top Hawk	3.0	1.19-3.10	120-310	760

MOTOR SIZE	POWER SECTION	LOBE RATE	LENGTH (FT)	TOP CONNECTION	BOTTOM CONNECTION
1-11/16"	Dragon Hawk	5:6	10.18	1" MT	1" MT
1-11/16"	Spiral Hawk	5:6	8.20	1" MT	1" MT
2-1/8"	Dragon Hawk	5:6	11.13	1-1/2" MT	1-1/2" MT
2-1/8"	Spiral Hawk	5:6	11.07	1-1/2" MT	1-1/2" MT
2-7/8"	Night Hawk	5:6	12.90	2-3/8" PAC	2-3/8" PAC
2-7/8"	Spiral Hawk	5:6	12.92	2-3/8" PAC	2-3/8" PAC
3-1/8"	Night Hawk	7:8	14.32	2-3/8" REC PAC	2-3/8" PAC
3-1/8"	Dragon Hawk	5:6	12.82	2-3/8" REC PAC	2-3/8" PAC
3-1/8"	Top Hawk	5:6	12.82	2-3/8" REC PAC	2-3/8" PAC
3-1/2"	Night Hawk	5:6	14.04	2-3/8" PAC	2-7/8" PAC
3-1/2"	Top Hawk	5:6	14.04	2-3/8" PAC	2-7/8" PAC

