

The MM5 mud lubricated bearing mud motor utilizes custom radial and thrust bearings to assist operators to drill longer in the harshest conditions. The bearings are cooled and lubricated by the drilling fluid and these are designed to ensure reliable load transfers from the BHA to the bit. TAQA motors are built to handle all drilling conditions from corrosive muds to high temperatures.

## SPECIFICATIONS

### IMPERIAL

Model	OD (in)	Hole Size (in)	Length (ft)	Bit to Bend (in)	Max WOB (lbs)	Max Allowable Pull Static (lbs)	Pull to Yield Motor (lbs)	Max Flow (gpm)	Max Torque (ft-lbs)
MM5-500	5.000	5 7/8 - 7 7/8	32.00	57	79,000	330,000	550,000	400	10,500
MM5-675	6.750	8 3/8 - 9 7/8	30.00	77	87,000	375,000	500,000	600	15,000
MM5-800	8.000	9 7/8 - 12 1/4	27.00	90	140,000	600,000	1,000,000	900	22,000
MM5-962	9.625	12 1/4 - 17 1/2	32.00	97	179,000	900,000	1,500,000	1,300	24,000
MM5-1175	11.750	16 - 36	34.00	114	230,000	1,000,000	1,850,000	1,800	65,000

### METRIC

Model	OD (mm)	Hole Size (mm)	Length (m)	Bit to Bend (cm)	Max WOB (daN)	Max Allowable Pull Static (daN)	Pull to Yield Motor (daN)	Max Flow (lpm)	Max Torque (N-m)
MM5-500	127	149 - 200	9.75	145	35,140	146,700	244,650	1,514	14,200
MM5-675	171	212 - 250	9.14	195	38,600	166,800	222,400	2,271	20,330
MM5-800	203	250 - 311	8.22	228	62,200	266,800	444,800	3,406	29,800
MM5-962	244	311 - 444	9.75	246	79,600	400,300	667,200	4,921	32,500
MM5-1175	298	406 - 914	10.36	289	102,300	444,800	822,900	6,813	88,100

