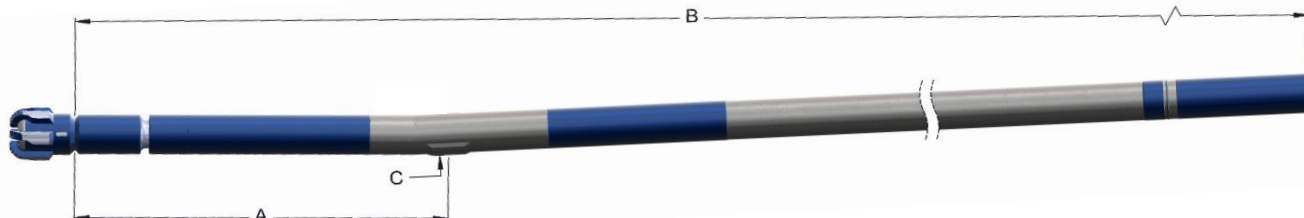


HEX MOTOR®

525HT-ML

TECHNICAL SPECIFICATIONS



Motor Dimensions

Bit to Bend	A	46 in	1.17 m
Bit to Top Sub	B	374 in	9.50 m
Radius @ Pad	C	2.78 in	71 mm
	C-1	2.88 in	73 mm
Straight/Slick Motor OD		5.25 in	133 mm
Top Connection Options	DS38, DS40, XT39		
Bottom Connection	3.5 Reg		

Predicted Build Rates Degrees/100ft (30m)

Slick Hole Size

FBH	C 6 (152 mm)	C 6.125 (156 mm)	C-1 6.25 (159 mm)	C-1 6.75 (171 mm)
Deg				
1.50°	12.5	12.2	12.4	11.5
1.75°	14.6	14.2	14.4	13.4
2.00°	16.7	16.2	16.5	15.3

Performance Specifications

Bearing Load (Dynamic)	49,800 Lbs	22,120 daN
Bearing Load (Static)	226,240 Lbs	100,600 daN
Max Overpull	447,000 Lbs	198,800 daN
Max Overpull for Re-Run	313,000 Lbs	139,200 daN

Special Features

Torsional Capacity

Hex Drive™ (Drive Line Assembly)	16,200 Ft-Lbs	22,000 Nm
IDS HT Body Connections	35,300 Ft-Lbs	47,800 Nm

Available Power Section Models

	78 5.7	78 8.3	67 8.8	67 10.9	45 10.3
Max Diff. Pressure	9,300 kPa [1,340 psi]	13,500 kPa [1,960 psi]	14,300 kPa [2,070 psi]	17,700 kPa [2,570 psi]	16,700 kPa [2,430 psi]
Max Torque	8,700 Nm [6,350 Ft-Lb]	12,700 Nm [9,370 Ft-Lb]	10,400 Nm [7,660 Ft-Lb]	11,400 Nm [8,380 Ft-Lb]	8,600 Nm [6,320 Ft-Lbs]
Stall Torque	13,600 Nm [10,000 Ft-Lb]	20,000 Nm [14,750 Ft-Lb]	16,400 N-m [12,060 Ft-Lbs]	17,900 Nm [13,200 Ft-Lb]	9,960 Nm [13,500 Ft-Lb]
RPM	105 – 205	100 – 190	150 – 300	150 – 300	100 – 400
Speed Ratio	.1374 Rev/L [0.520 Rev/Gal]	0.127 Rev/L [0.480 Rev/Gal]	0.174 Rev/L [0.660 Rev/Gal]	0.1981 Rev/L [0.750 Rev/Gal]	0.2642 Rev/L [1.0 Rev/Gal]
Flow Range	750 - 1500 lpm [200 - 400 gpm]	760 – 1520 lpm [200 – 400 gpm]	570 -1520 lpm [150 - 400 gpm]	760 – 1520 lpm [200 – 400 gpm]	380 – 1510 lpm [100 – 400 gpm]