

ML3S Bearing Pack (Series 34)

The mud-lubricated ML3S (series 34) bearing pack features proven designs used on our ML3 (series 40) bearing pack. It maintains the reliability and performance of NOV's current motor designs and satisfies the requirements of majority motor applications. The design includes a short bit to bend length when compared to competitor motors, which assists in achieving a high build rate in the curve.

The ML3S bearing pack motor is offered in 5", 7", 8" and 9 5/8" sizes to meet different well requirements.

Features

- Short bit-to-bend length
- Mud-lubricated bearing technology ideal for any temperature and mud type
- Motor can be configured with an adjustable, fixed bend or straight housing
- Motor can be setup for slick, packed or pendulum drilling assemblies

Benefits

- Can be configured for straight or directional drilling
- Can be run in any temperature and mud type
- Ideal for remote locations; easily serviced
- Ideal for rotary steerable applications
 - Full flow to power rotary steerable
 - No signal loss when running MWD pulser below motor

Applications

- Hot hole
- Inverted mud systems
- Casing while drilling
- Vertical drilling
- Curve drilling
- Lateral drilling

Technical Specifications

Size	5"	7"	8"	9 5/8"
Bit to Center of Stabilizer	17"	23"	29"	29"
Bit to Bend	44"	59"	68"	81"
Bit to Stator	62"	81"	90"	108"
Bottom Connection	3 1/2" REG	4 1/2" REG	6 9/16" REG	6 5/8" & 7% REG
Lock Housing Connection	4.375 - 4 TPI ACME, MOD, 1.25" TPF	5.925 - 4 TPI ACME, MOD, 1.25" TPF	6.965 - 4 TPI ACME, MOD, 1.25" TPF	5.500 - 4 TPI ACME, MOD 1.25" TPF
Rotor Adapter Connection	2 3/8" HEF 1.900" NOIHT 1.875 - 4 STUB ACME	2 7/8" REG 2.750" NOIHT	NC38 (3 1/2" IF) 3.500" NOIHT	NC40 (4" FH) 3.875" NOIHT

