



The “Element” Sealed Bearing Motor design is based on simplistic, yet robust components designed through years of experience in the industry. Major components are designed to last through every drilling application and extended service life while minor components are built for cost effective impacts to reduce costs per hour to the operator.

The E-SB Series features oversized axial bearings for on and off bottom loads, as well as DU Bushings to handle radial loads during side loading applications. The EOT Drivelines handle all power section providers stall torque ratings as well as RPM outputs.

E-SB Motors are the choice for All Drilling Applications from vertical to extended reach horizontals.

All “Element” Bearing Sections are compatible with the EDS Driveline assembly, as well as Adjustable, Fixed Housing and Rotor Catch assemblies.

SEALED BEARING SPECIFICATIONS

	4 ¾" / 5"	6 ½" / 6 ¾"	7 ¾" / 8"	9 5/8"
(A) Bit Box to STAB In - M	12.75" .32 M	14.75" .37M	22.25" .57 M	23.25" .59 M
(B) Bit Box to Bend, ADJ. In - M	47.7" 1.21 M	58" 1.47 M	71.2" 1.81 M	78.3" 1.99 M
(B) Bit Box to Bend, FIX In - M	37.25" 9.45 M	45.5" 1.16 M	57.5" 1.46 M	63.5" 1.61 M
(C) Bit Box to Stator In - M	68.80" 1.75 M	82.5" 2.10 M	98.9" 2.51 M	109.3" 2.78 M
Power Section	REFER TO MANUFACTURERS SPECS			
(D) Rotor Catch In - M	25" .54 M	30" .76 M	40.5" 1.08M	40.5" 1.08 M
(E) Effective Pad Diameter In - M	5.13" 130mm	7.12" 180mm	8.37" 213mm	10.14" 258 mm
On Bottom Load lb - daN	60,000 lbs 26,690 daN	130,000 lbs 57,825 daN	150,000 lbs 66,275 daN	190,000 lbs 84,515 daN
Off Bottom Load lb - daN	60,000 lbs 26,690 daN	130,000 lbs 57,825 daN	150,000 lbs 66,275 daN	190,000 lbs 84,515 daN
Max Torque Capacity Ft-lb	13,500 ft - lb	26,000 ft - lb	39,000 ft - lb	42,000 ft - lb
Bit Box Conn.	3 ½" REG	4 ½" REG	6 5/8" Reg	7 5/8" Reg

