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Sealed Drilling Motors

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.

	5”	6 1/2” / 6 3/4”	8”	9 5/8”
(A) Bit Box to STAB	12.2”	16”	17.7”	22.2”
in – m	.31 m	.41 m	.45 m	.56 m
(B) Bit Box to Bend, ADJ.	56.6”	65.4”	78.5”	86.4”
in – m	1.39 m	1.66 m	1.99 m	2.19 m
(B) Bit Box to Bend, FIX	46.4”	53.5”	65.1”	71.8”
in – m	1.14 m	1.36 m	1.65 m	1.82 m
(C) Bit Box to Stator	77.7”	90.6”	106.2”	117.7”
in – m	1.92 m	2.3 m	2.7 m	2.99 m
Power Section	REFER TO MANUFACTURERS SPECS			
(D) Rotor Catch	25”	30”	40.5”	40.5”
in – m	.54 m	.76 m	1.08 m	1.08 m
(E) Effective Pad Diameter	5.37”	7.12” / 7.38”	8.31”	10.12”
in – mm	137 mm	180 mm / 187 mm	211 mm	257 mm
On Bottom Load	80,000 lb	95,000 lb	190,000 lb	240,000 lb
lb – daN	35,590 daN	42,260 daN	84,515 daN	106,760 daN
Off Bottom Load	80,000 lb	95,000 lb	190,000 lb	240,000 lb
lb – daN	35,590 daN	42,260 daN	84,515 daN	106,760 daN
Max Torque Capacity	14,000 ft-lb	22,000 ft-lb	35,000 ft-lb	35,000 ft-lb
Ft-lb – Nm	18,980 Nm	29,830 Nm	47,500 Nm	47,500 Nm
Bit Box Conn.	3 1/2” REG	4 1/2” REG	6 5/8” Reg	7 5/8” Reg

