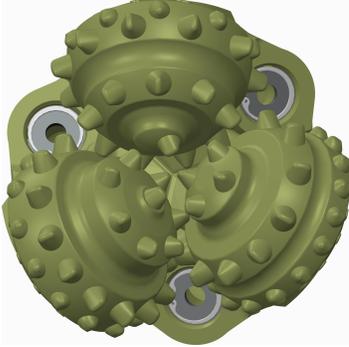


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The SB product line of roller cone bits are designed for less challenging applications, engineered with fit-for-purpose materials and designs to deliver reliability and performance. SB bits incorporate: • Field proven technology • Solid ROP • Reliable bearing packages • Lubricants and elastomers that provide reliable performance • Predictable cutting structures and hardfacing • Applicable to very soft to medium formation drilling

Specifications

Bit Connection Type	4 1/2 Reg
Bearing Type	Sealed Friction Bearing
Seal Type	V-Ramp O-Ring Seals
Inserts and Teeth	Total: 96 Inner: 56 Gauge: 40
Rows	Total: 11 Inner: 8 Gauge: 3

Operating Parameters

Weight-on-Bit	17,000 to 34,000 lbs 7,726 to 15,453 daN 8 to 15 tonnes
Bit Rotary Speed	50 to 160
Recommended Makeup Torque	12,000 - 16,000 lbs-ft

FEATURES

■ The sealed friction bearing with pressed in bearing sleeve provides a robust, reliable system capable of excellent performance in a wide range of applications.



■ The V-Ramp seal's unique design distributes contact pressure over a wider contact area ensuring a more consistent track on the bit leg. This results in extended seal life which allows the bit to stay in the hole longer and drill more footage.



■ Chisel shaped inserts maximize ROP in medium-strength shales, limestones and sandstones, and provide optimum ROP performance in mud-up conditions.



■ The proprietary geometry of the relieved gauge chisel insert incorporates an aggressive leading edge that efficiently cuts gauge and a generously contoured, relieved trailing side that mitigates the tensile stresses that can lead to gauge breakage in standard gauge inserts. The result is a more durable cutting structure, a full gauge hole, and extended bit life.

