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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: 55 Inner: 25 Gauge: 30
Rows	Total: 7 Inner: 4 Gauge: 3

Operating Parameters

Weight-on-Bit	15,000 To 45,000 (lbf)
	6,700 To 20,000 (daN)
	6.8 To 20 (Tonnes)
Bit Rotary Speed	50 To 160
Recommended Makeup Torque	12,000 To 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.
- HM16A hardmetal material has been optimized to reduce wear, extend bit life and maximize ROP.
- The Center Jet maximizes fluid flow, and increases ROP by cleaning the bit more effectively and reducing bit balling.

