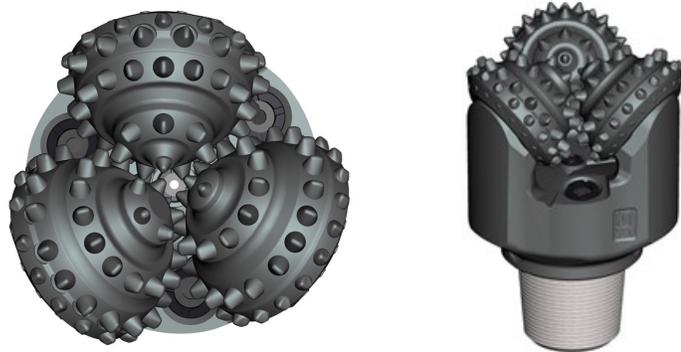


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The SB product line of roller cone bits are designed for less challenging applications, engineered with fit-for-purpose materials and designs to deliver reliability and performance. SB bits incorporate: • Field proven technology • Solid ROP • Reliable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

Specifications

| | |
|---------------------|--------------------------------|
| Bearing Type | Sealed Friction Bearing |
| Seal Type | V-Ramp O-Ring Seals |
| Bit Connection Type | 6 5/8 Reg |
| Rows | Total: 13 Inner: 10 Gage: 3 |
| Inserts and Teeth | Total: 150 Inner: 101 Gage: 49 |

Operating Parameters

| | |
|---------------------------|---|
| Weight-on-Bit | 15,000 To 60,000 (lbf) 6,700 To 27,000 (daN) 6.8 To 27 (Tonnes) |
| Bit Rotary Speed | 50 to 160 |
| Recommended Makeup Torque | 28,000 To 32,000 |

*Operating parameters are typical ranges. Please contact your Smith Bits representative for recommendations for your individual well.

FEATURES

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■ The sealed friction bearing with pressed in bearing sleeve provides a robust, reliable system capable of excellent performance in a wide range of applications.
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■ 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.
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■ The Center Jet maximizes fluid flow, and increases ROP by cleaning the bit more effectively and reducing bit balling.
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■ The PS feature offers strategically placed clusters of semi-round top (SRT) shaped carbide inserts that maximize leg protection, prevent bit wear, and substantially increase bit life in abrasive formations.