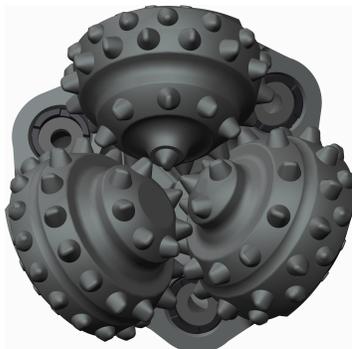


ID: 0065149060 IADC: 517X



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	Spinodal™ 2
Seal Type	V-Ramp O-Ring Seals
Inserts and Teeth	Total: 111 Inner: 68 Gage: 43
Rows	Total: 11 Inner: 8 Gage: 3

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	12,000 To 16,000 lbs/ft

FEATURES

- Spinodal 2 bearing ensures longer runs at higher ROP. This proprietary material offers maximum wear resistance and withstands extreme load forces for longer periods than conventional bearing materials. 
- 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. 
- The unique geometry of Sculptured™ inserts extend cutting structure life and maintain high ROP through longer intervals. 
- 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. 