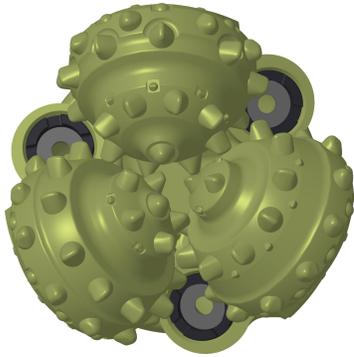


Xplorer

6 1/8 in XR15T PS



ID: 0051763040 IADC: 447X



Xplorer is the result of a systematic engineering effort to improve performance in slim hole applications. These bits have proven themselves in tough slim hole applications around the world, and offer an unmatched combination of speed and durability in a wide range of formations.

Specifications

Bearing Type	Spinodal™ 2 Bearing w/Silver Plated Components
Seal Type	Dual Material Bullet Seals
Bit Connection Type	3 1/2 Reg
Rows	Total: 14 Inner: 8 N-Gauge: 3 Gauge: 3
Inserts and Teeth	Total: 109 Inner: 47 N-Gauge: 31 Gauge: 31

Operating Parameters

Weight-on-Bit	5,000 to 30,000 lbs 2,225 to 13,350 daN 2 to 14 tonnes
Bit Rotary Speed	300 to 50
Recommended Makeup Torque	7,000 - 9,000 lbs-ft

FEATURES

■ Spinodal 2 bearing with silver plated components 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 dual material elastomers in the patented Bullet™ seal provide superior protection for the bearing and enable the bits to attain the ultimate in reliability.



■ The unique geometry of Sculptured™ inserts extend cutting structure life and maintain high ROP through longer intervals.



■ The Trucut™ Gage system is used on selected soft formation TCI bits. This patented, stress relieved off-gauge insert, along with either hard carbide or diamond enhanced gauge inserts, ensures that an in-gauge hole is drilled and that steerability is maintained.



■ 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.



■ 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.

