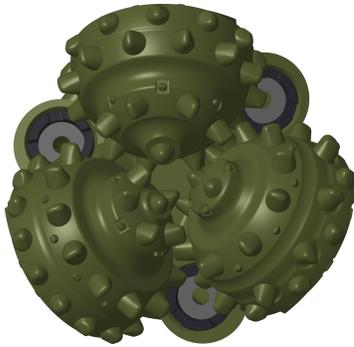


# Xplorer

6 1/4 in XRF437 PS



ID: 0069794010 IADC: 437X



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

Bit Connection Type	3 1/2 Reg
Bearing Type	Spinodal™ 2 Bearing w/Silver Plated Components
Seal Type	Bullet Seal
Inserts and Teeth	Total: 97 Inner: 59 Gauge: 38
Rows	Total: 16 Inner: 13 Gauge: 3

## Operating Parameters

Weight-on-Bit	10,000 to 35,000 (lbf) 4,545 to 15,908 (daN) 4 to 16 (Tonnes)
Bit Rotary Speed	50 to 300
Recommended Makeup Torque	7,000 to 9,000 ft-lbf

## 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 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.



■ V-Flo™ directs nozzles to the leading side of the following bit cone to maximize cleaning. The resulting upward spiral flow enhances bottom hole cleaning, prevents bit balling and allows the bit to drill at maximum ROP.



■ 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.

