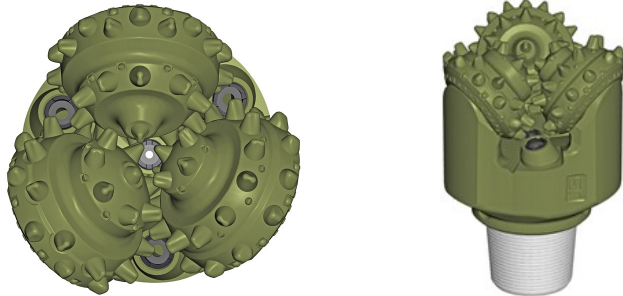


Xplorer Gemini

12 1/4in GFS05BVCPS TCI



ID: 0059917030 IADC: 427X



Xplorer Gemini Dynamic Twin Seal System is the industry leader in durability and reliability. Offering two precisely configured seals with extraordinary material properties, Gemini bits deliver consistent performance over long run intervals.

Specifications

Bearing Type	Spinodal 2 Bearing w/ Silver Plated Components
Seal Type	Gemini Twin Seal System
Bit Connection Type	6 5/8 Reg
Rows	Total: 11 Inner: 8 Gauge: 3
Inserts and Teeth	Total: 85 Inner: 54 Gauge: 31

Operating Parameters

Weight-on-Bit	15000 to 60000 (lbf) 6700 to 27000 (daN) 6.8 to 27 (Tonnes)
Bit Rotary Speed	300 to 80
Recommended Makeup Torque	7,000 to 9,000 ft-lbf

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

FEATURES

■ Binary carbide gauge places wear resistant semi-round top carbide inserts between the primary gauge inserts to enhance gauge retention in transitional drilling. This substantially improves gauge durability and allows longer in-gauge bit runs.



■ 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 Center Jet maximizes fluid flow, and increases ROP by cleaning the bit more effectively and reducing bit balling.



■ 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.

