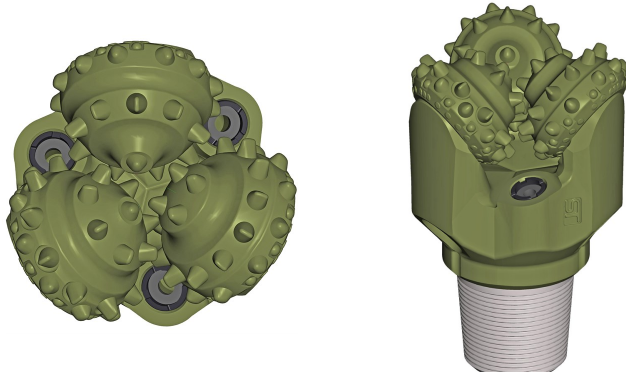


Xplorer Gemini

8 3/4in GF10BVPS



ID: 0060693010 IADC: 437X



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	4 1/2 Reg
Rows	Total: 13 Inner: 10 Gauge: 3
Inserts and Teeth	Total: 110 Inner: 77 Gauge: 33

Operating Parameters

Weight-on-Bit	20000 to 45000 (lbf) 8900 to 20000 (daN) 9.1 to 20 (Tonnes)
Bit Rotary Speed	160 to 50
Recommended Makeup Torque	12,000 to 16,000 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 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.



■ 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.

