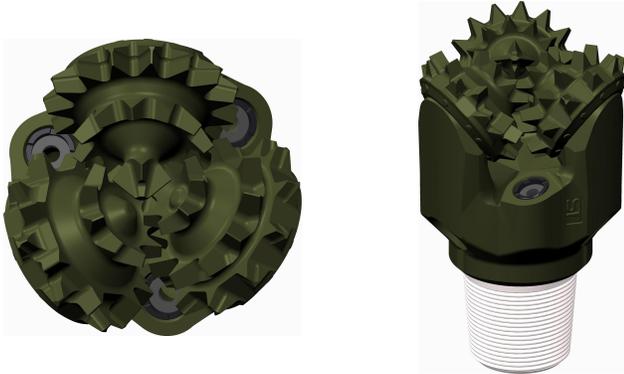


# Xplorer Expanded

## 8 1/2 in XRGG+ CPS



ID: 0065709060 IADC: 137



Xplorer Expanded bits are specifically designed to drill soft formations with exceptional ROP and reliability. With the proven Gemini Twin Seal system and the ultra durable MIC2 hardmetal, these bits deliver maximum ROP and long run times in a wide range of applications.

### Specifications

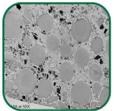
Bearing Type	Spinodal™ 2 Bearing w/Silver Plated Components
Seal Type	Gemini™ Twin Seal System
Bit Connection Type	4 1/2 Reg
Rows	Total: 8 Inner: 5 Gauge: 3
Inserts and Teeth	Total: 84 Inner: 41 Gauge: 43

### Operating Parameters

Weight-on-Bit	15,000 to 60,000 (lbf)
	6,818 to 27,270 (daN)
	7 to 27 (Tonnes)
Bit Rotary Speed	300 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

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 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.
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 The Gemini twin seal system consists of a primary seal which protects the bearing, and a secondary seal that protects the primary seal. This dual seal system will perform reliably for extended periods of time in high RPM, heavier WOB, high mud weight and severe dogleg applications.
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 HM16A hardmetal material has been optimized to reduce wear, extend bit life and maximize ROP.
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 The Center Jet maximizes fluid flow, and increases ROP by cleaning the bit more effectively and reducing bit balling.
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 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.