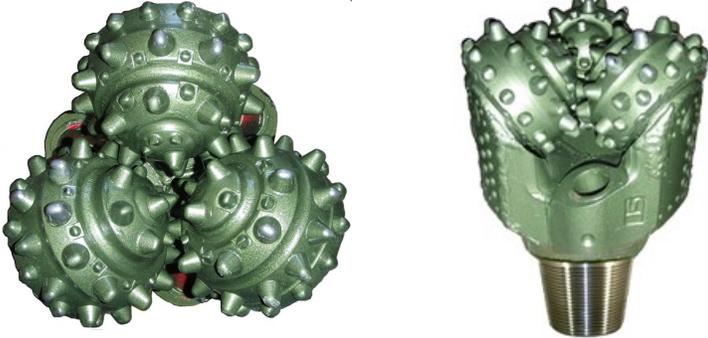


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FH TCI bits combine high rates of penetration with unmatched durability and reliability. With a wide range of cutting structures, FH bits offer superior performance in a variety of applications.

### Specifications

Bearing Type	Spinodal 2 Bearing w/ Silver Plated Components
Seal Type	Dual Material Bullet Seals
Inserts and Teeth	Total: 114 Inner: 69 Gauge: 45
Rows	Total: 12 Inner: 9 Gauge: 3

### 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

### FEATURES

- Bit design and performance have been certified through the validation process prescribed by IDEAS simulation technology.
- 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. 
- 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 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. 