



Bringing innovative materials and design techniques to a field-proven design configuration, the sintered tungsten carbide delivers improved ROP, durability, and bit life in a wide range of horizontal directional drilling applications.

9 7/8" (250.8 mm) Sintered TCI Cutter (IADC 537) Features
Engineered Cutting Structure

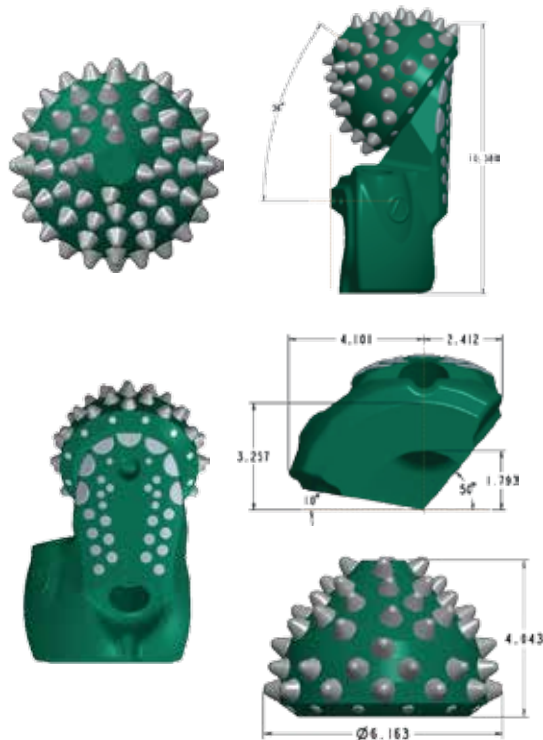
Maximum extension inserts provide for ultra high rates of penetration. Reinforced back row provides enhanced gage holding.

Premium Bearing Package

High performance journal bearing with silver plated elements, advanced lubricant, and HSN O-ring seal provides a robust bearing package for both motor and standard rotary applications.

Shirttail Protection

Includes Varel's unique, patented EdgeGuard technology on leading and trailing edges. This technology puts the wear resistance of sintered tungsten carbide at the most critical point of the shirttail, protecting the edge from wear to better exclude drilling fines from the critical seal area.


Specifications

Gage Inserts:	12	Hydraulic Design:	Jet nozzle with snap ring retention	Operating Parameters
Total Inserts:	64			Cutter (RPM):
Back Row:	Flat	Nozzle Part No.:	As requested	-
Gage Row:	Conical	Center Jet Part No.:		Max weight per cutter:
Inner Row:	Conical	Pin Connection:	None	0 lbs (0 daN)
Bearing Type:	Sealed Journal	Make-up Torque:	0 - 0 ft-lbs. (0 - 0 Nm)	Cutter:
Seal Type:	HSN O-Ring	Approx. Weight:	50 lbs. (22.68 kg)	-

*Operating parameters shown are typical for the bit type specified. For recommendations on your specific application, please contact our DownHole representative.