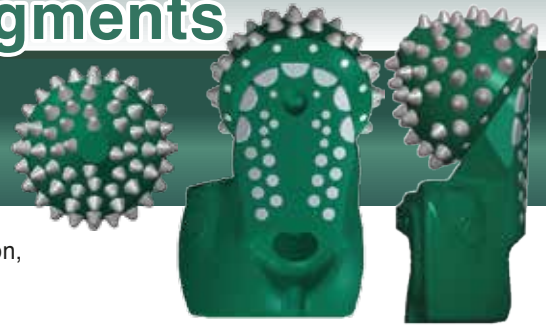




TCI Cutters – Segments

Prime Horizontal



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

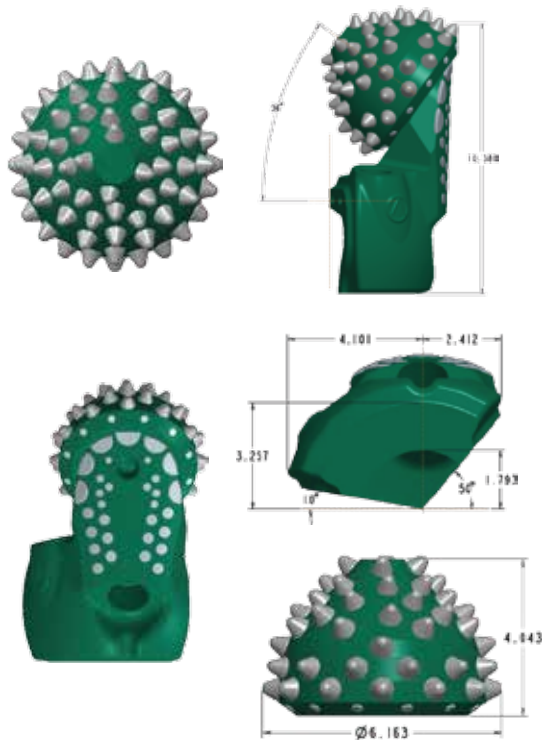
Maximum extension inserts provide for ultra high rates of penetration. Reinforced back row provides enhanced gage holding.

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.

Shirrtail 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 shirrtail, 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	Nozzle Part No.:	As requested	Cutter (RPM):
Back Row:	Flat	Center Jet Part No.:		-
Gage Row:	Conical	Pin Connection:	None	Max weight per cutter:
Inner Row:	Conical	Make-up Torque:	0 - 0 ft-lbs. (0 - 0 Nm)	0 lbs (0 daN)
Bearing Type:	Sealed Journal	Approx. Weight:	50 lbs. (22.68 kg)	Cutter:
Seal Type:	HSN O-Ring			-

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



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