

THOMSON TECH

TURBULENCE —the latest upgrade to Thomson Tech's Diamond Series bits.

With a patented cutting design and waterway system, TURBULENCE enhances solids removal, boosts penetration, extends bit life, and improves fluid flushing.



Transform your operation and results:
Our support services optimize
knowledge shearing via visual aids
and a passion that can't be matched.



01

Patented Water Way Design

The design creates a low-pressure zone within the internal segment of the waterway, efficiently removing solids without reducing their size.

02

Custom Matrix and Cutting medium

Design allows larger cuttings to be removed from the larger cutting medium

03

Crown Hight Options

comes in 16- or 21-mm crown, giving the option to manage total drill cost as the depth increases.

04

OD & ID Gauge Optimization

Boosting the life of the inner and outer gauge. With the option of running TSP or PCD on the leading face.

Contact Us



CONTACT US NOW

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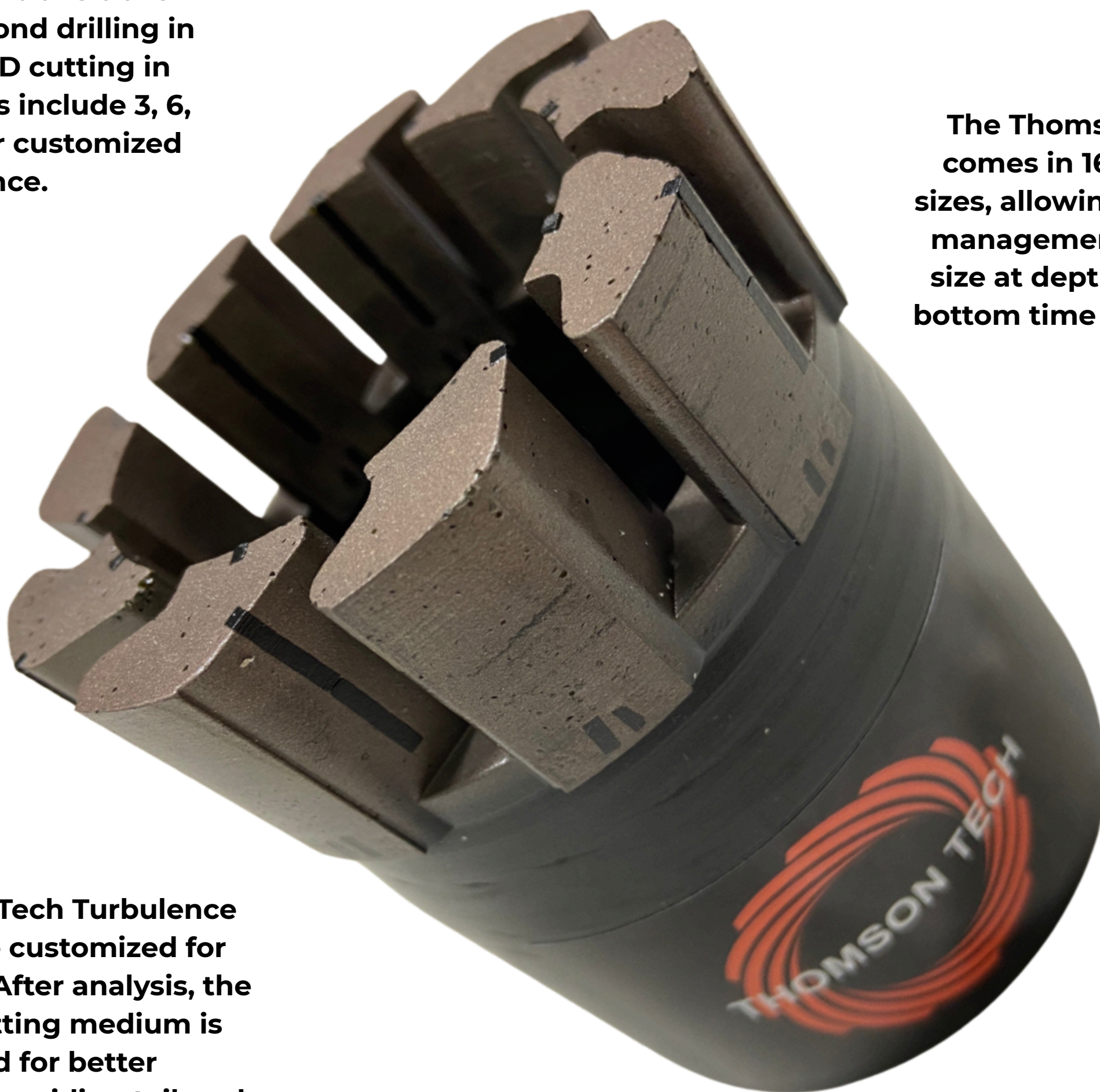
TURBULENCE SMART BIT

THOMSON TECH Patented Technology

Turbulence design creates a low-pressure zone at the internal segment of the waterway, efficiently capturing the solid into removal zone. The solids are ejected without re-grinding and reducing their size.

The patented Smart Bit Turbulence system transitions from impregn diamond drilling in hard ground to PCD cutting in soft ground. Options include 3, 6, or 9 PCD cutters for customized performance.

The Thomson Tech Turbulence comes in 16mm to 21mm crown sizes, allowing cost-effective depth management by using the 21mm size at depth to maximize bit-on-bottom time and minimize tripping costs.



The Thomson Tech Turbulence matrix can be customized for large projects. After analysis, the dominant cutting medium is increased for better performance, providing tailored solutions for each client.

