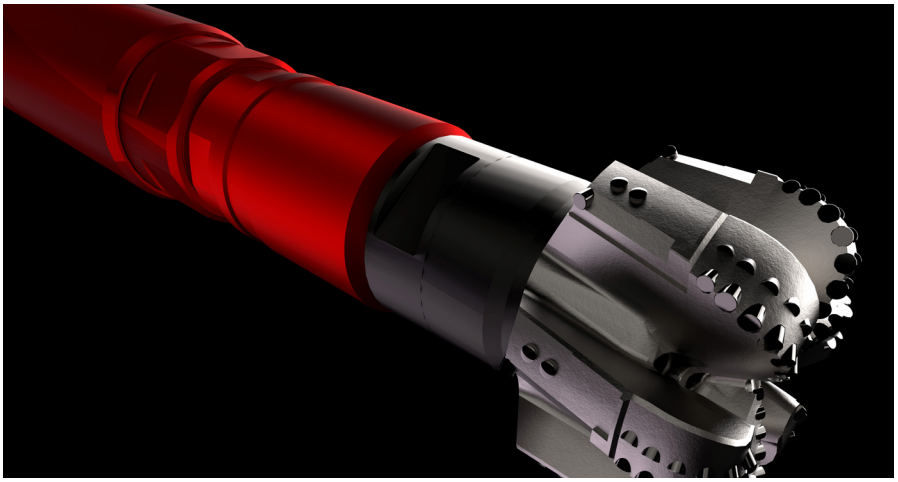
GeoTech® Fixed Cutter PDC Bits

CUSTOM-ENGINEERED MATRIX AND STEEL BODY BITS FOR OPTIMAL EFFICIENCY AND PERFORMANCE



OVERVIEW

Halliburton Drill Bits and Services GeoTech® fixed cutter PDC bits blends design theory with practical application-specific knowledge to produce custom-engineered matrix and steel body bits for optimal efficiency and performance, delivering a truly optimized bit design.

Using the Design at the Customer Interface (DatCI℠) process, application design evaluation (ADE™) specialists design GeoTech bits to help improve rates of penetration and enable longer drilling intervals, all while lowering the cost per foot. Each GeoTech bit incorporates specific application experience with expert design science.

FEATURES

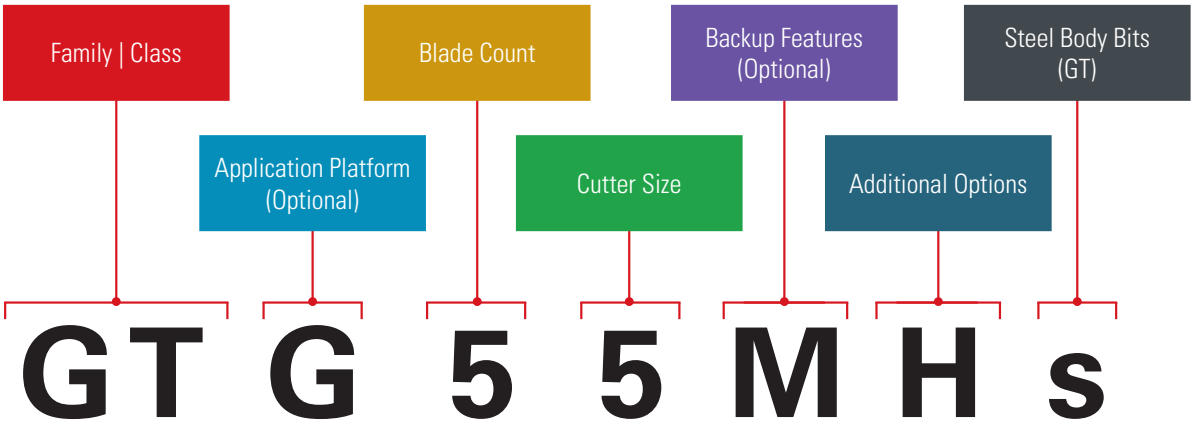
PDC Cutter Technology
Significantly helps increase the amount of rock removed with less wear for higher average ROP and up to four times the footage of previous products.

Rock-Interaction Analysis Tool
Helps predict load and motion of a drill bit for multiple scenarios, including rock chipping, bent motor, and whirl.

Depth-of-Cut Control
Optimally positions cutting structure elements to smooth torque fluctuations, while a two-step cutter layout position improves performance when primary cutters wear or when drilling parameters change.

Hydraulics Simulation
Leads to optimum hydraulic design, directing flow with little recirculation and eliminating stagnant zones to optimize bit cleaning and minimize erosion.

Advanced Materials
Matrix/binder materials increase durability and erosion resistance, enabling innovative steel blade geometries and aggressive matrix body designs.



Family | Class

GT = GeoTech®
MM = MegaForce™
SF = SteelForce™

Application Platform (Optional)

D = Directional
E = GeoPilot® Dirigo RSS System
G = Point-the-Bit RSS System
T = Turbine High Rotational Speed
i = Push-the-Bit RSS Including iCruise®

Blade Count

Blade count indicates the number of blades on the bit.

3 = Three Blades
4 = Four Blades
5 = Five Blades
6 = Six Blades
7 = Seven Blades
8 = Eight Blades
9 = Nine Blades
0 = Ten Blades
1 = Eleven Blades
2 = Twelve or More Blades

Cutter Size

The cutter size digit describes the main cutter size on the bit in 1/8″ increments.

2 = 1/4″ (8mm)
3 = 3/8″ (10.5mm)
4 = 1/2″ (13mm)
5 = 5/8″ (16mm)
6 = 3/4″ (19mm)

Backup Features (Optional)

D = Dual Row Backup PDC Cutters
W = Stega™ Efficient Backup Cutter Layout
I = Impregnated Diamond Backup Discs
R = Shyfter™ Active Shaped Backup Elements
M = Shyfter™ Passive Shaped Backup Elements
U = Cruzer™ Depth-of-Cut Rolling Element

Additional Options

K = Geometrix® Shaped Cutters
B = Saber™ Engineered Blade Relief
H = Highly Abrasive Wear
HE = High Energy
O = Cerebro® In-bit Sensing Capable
F = Cerebro Force™ In-bit Sensing Capable

Steel Body Bits (GT)

s = Steel Body Bits

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com