2021

HDD TOOL CATALOG

PILOT BITS AND HOLE OPENERS

WE HAVE BEEN BUILDING BITS IN AMERICA SINCE 1957.

At GT, we are determined and driven everyday to provide the highest quality HDD bits and tools to drilling professionals.

In an era where many companies gave up on their American manufacturing efforts, we are proud to say we have doubled down. We are continually investing in new technology and most importantly, our valuable people.

What this means for the customer is a reliable and high quality product from a trusted local source. We invite you to come tour our facility and shake hands with the workers who build our great HDD products.

Austin Wright
GT - Co-Owner

Johnny Johnson
GT - Co-Owner

OUR STORY:

In 1946, Errol Glenn Gault, pioneered the first jetted rock bit. This patent, (#2,524,428), created a major shift in the downhole bit industry and revolutionized the hydraulics at the bottom of the hole.

This emerging technology helped pave the way for the Gault family business, Gault Tool, Co., to start operations in 1957. In 1960, with the passing of Errol, the bit patent and family business were entrusted to his son, Tom Gault. Tom expanded the business and its' capabilities as he took GT to greater heights of success.

What began as a small fabricating shop in Allen, OK is now a full-service manufacturing facility in Shawnee, Oklahoma. In 2018, GT was acquired by the oil and gas capital firm, Prestige Capital, LP. GT plans to keep the original name and strives to uphold the family legacy and standards set by the Gault family. GT looks forward to its future of providing the highest quality rock bits on the market with special service you will only find in a family business.

ADVANTAGES

100% AMERICAN

We provide bits that are 100% American. All bits are built and engineered at our facility in Shawnee, OK.

SPECIALLY FORMULATED GREASE

Our grease is a blend of grease that is degassed to prevent pressure build up.

CONTROLLED HEAT TREATMENT

We use a computer-controlled heat treatment process to ensure bit body consistency.

ELASTOMER SEAL RING

Our seals are individually molded out of proprietary rubber and inspected for quality.

PILOT BITS

Made with superior performance components and available in tungsten carbide or milled tooth designs. GT Tri-Cone Sealed Bearing Bits are perfect for a wide range of ground conditions.

SOFT ROCK BITS

Bits used in soft formations such as shale, sand, red bed, clay, salt and soft limestone.

BIT TYPE	SIZE	IADC	PIN CONNECTION	ASSEMBLY #
GT-21	4 3/4	216	2 7/8" REG PIN	2104
GT-21	5 1/2	216	2 7/8" REG PIN	4030
GT-21	6 1/8	216	3 1/2" REG PIN	3910
GT-21	6 1/4	216	3 1/2" REG PIN	3930
GT-18x	7 7/8	447	4 1/2" REG PIN	2750
GT-04x	8 1/2	437	4 1/2" REG PIN	5360
GT-04x	8 3/4	437	4 1/2" REG PIN	3750
GT-04x	12 1/4	417	6 5/8" REG PIN	3540

MEDIUM ROCK BITS

Bits used in medium formations such as hard limestone, dolomite, gypsum, hard shales and sandstones.

BIT TYPE	SIZE	IADC	PIN CONNECTION	ASSEMBLY #
GT-25x	4 3/4	527	2 7/8" REG PIN	4710
GT-35x	5 1/2	537	2 7/8" REG PIN	2860
GT-35x	6	537	3 1/2" REG PIN	4610
GT-32x	6 1/8	537	3 1/2" REG PIN	3970
GT-35x	6 1/4	537	4 1/2" REG PIN	3030
GT-35x	6 1/2	537	4 1/2" REG PIN	3950
GT-35x	6 3/4	537	4 1/2" REG PIN	4310
GT-30a	7 7/8	537	4 1/2" REG PIN	3110
GT-35x	8 1/2	537	4 1/2" REG PIN	5180
GT-35x	8 3/4	537	4 1/2" REG PIN	3790
GT-35x	12 1/4	537	6 5/8" REG PIN	6140

HARD ROCK BITS

Bits used in hard formations such as hard sands, dolomite, limestone and chert.

BIT TYPE	SIZE	IADC	PIN CONNECTION	ASSEMBLY #
GT-72	5 1/2	727	2 7/8" REG PIN	2141
GT-63	5 1/2	637	2 7/8" REG PIN	2465
GT-61x	5 1/2	617	3 1/2" REG PIN	1441
GT-72y	6 1/2	727	3 1/2" REG PIN	6810
GT-44y	7 7/8	627	4 1/2" REG PIN	3140
GT-50y	8 3/4	627	4 1/2" REG PIN	5970

HOLE OPENERS

GT manufactures some of the most durable hole openers available on the HDD market.

They are specifically engineered to increase productivity and results in extemely difficult rock conditions. Our hole openers can built to fit your exact needs and specifications. We offer a lineup ranging from 8” to 24.” They are manufactured with unparalleled quality using American made GT cones to ensure downhole success.

GT Hole Openers are 100% American made.

We can customize the cutting structure as well as other features of the hole opener to your exact specifications. When a specific set of components are needed to complete a job, GT is your go-to provider for your HDD Hole Openers.

SIZES

8″ Hole Opener	(2 7/8″ IF box forward, rear pin)
10″ Hole Opener	(2 7/8″ IF box forward, rear pin)
12″ Hole Opener	(2 7/8″ IF box forward, rear pin)
15″ Hole Opener	(3 1/2″ IF box forward, rear pin)
18″ Hole Opener	(3 1/2″ IF box forward, rear pin)
20″ Hole Opener	(3 1/2″ IF box forward, rear pin)
22″ Hole Opener	(4 1/2″ IF box forward, rear pin)
24″ Hole Opener	(4 1/2″ IF box forward, rear pin)

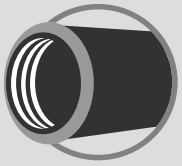
*** Rear Pin / Box available through custom order**

*** Other cutters optional based on available inventory**

CUSTOMIZABLE OPTIONS

Stabilizer Size

TCI or MT

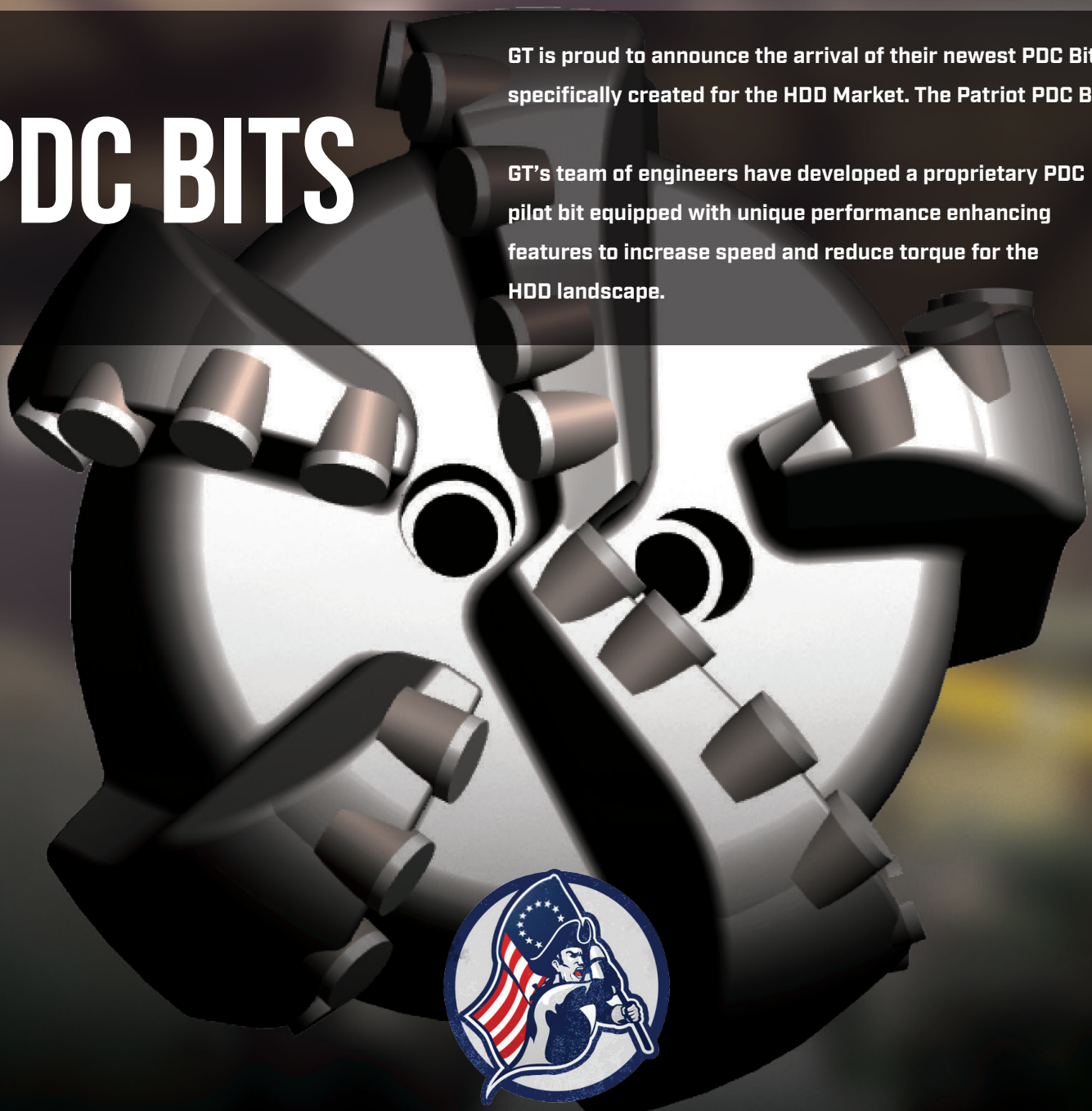


Connection Type

PDC BITS

GT is proud to announce the arrival of their newest PDC Bit specifically created for the HDD Market. The Patriot PDC Bit.

GT's team of engineers have developed a proprietary PDC pilot bit equipped with unique performance enhancing features to increase speed and reduce torque for the HDD landscape.



PATRIOT

PDC BITS

MADE IN AMERICA BY THE AMERICAN BIT COMPANY

GT's Patriot PDC Bits are engineered for the HDD Market.

GT's Patriot line of PDC Bits are designed utilizing a **forward spiral layout** for their cutters producing a Force Balanced bit **resulting in less damage with higher ROP and less torque**.

Bit balling is a critical issue with construction PDC's. A balled up bit will suffer lower ROP, poor directional response and premature wear from the diamond PDC's not getting the needed flow that cools the cutters.

Typical PDC's of that size are designed for 120-200 gpm.
The Patriot PDC was designed with the HDD rig's hydraulics in mind.

The innovative nozzle design and placement has gone through **computer fluid dynamic analysis and various field trials that shows 40-70% less balling than the typical construction PDC!**

Less balling means cleaner cutters and fresh rock being drilled.

TYPES & SIZES

BIT TYPE:

GTP513
(STANDARD CUTTER OPTION)

GTP513+
(PREMIUM CUTTER OPTION)

SIZE:
6.5

TOTAL CUTTERS: 23
BLADE COUNT: 5
BIT CONNECTION: 3 1/2" API Reg Connection
ASSEMBLY NUMBER: 900530

BIT TYPE:

GTP513
(STANDARD CUTTER OPTION)

GTP513+
(PREMIUM CUTTER OPTION)

SIZE:
5.5

TOTAL CUTTERS: 22
BLADE COUNT: 5
BIT CONNECTION: 2 7/8" API Reg Connection
ASSEMBLY NUMBER: 900540