



Holland OilTech Services BV

*We do - you succeed!*



# MINING BITS

PDC bits

Dirt Digger PDC bits

Klaw Cutter bits

[www.hotsbv.com](http://www.hotsbv.com)

**HOTS BV** has earned a commendable reputation of reliability and quality due to our adherence to uncompromising standards of quality.

We focus upon delivery of high quality, durable products along with superior client services, which offers our clients a competitive advantage and create value for their business. In order to achieve our goal of offering quality products, we concentrate on offering value-added services to our customers and satisfying emerging market needs.

**Drill Bits**.....

**HOTS BV** provides its own designed Fixed Cutter Bits for the Oil and Gas and Mining Industry. These high tech PDC-bits has the latest features and cutter technology.

**PDC Cutters**.....

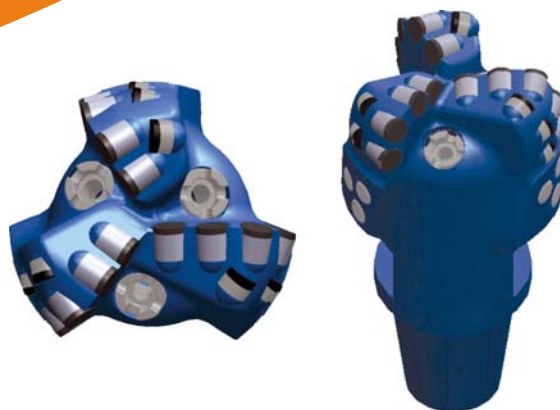
**HOTS BV** has direct contacts with **US Synthetics** and **Diamond Innovations** - world leading manufacturers of synthetic diamonds. This allows us to fit our PDC bits with Premium, high performance cutters.



**PDC BITS**

**Design Features:**

- 3D designed 4140 alloy steel body CNC machined for maximum blade and body strength.
- Tungsten Carbide hardfacing in critical areas for increased erosion and abrasion resistance.
- TCI enhanced gage pads for increased protection.
- Optimized parabolic profile for blade count, cutter quantity and bit stability.
- Force-Balanced PDC cutter locations minimize bit whirl and drill a precise round hole.
- Asymmetric blade design reduces drilling harmonics.

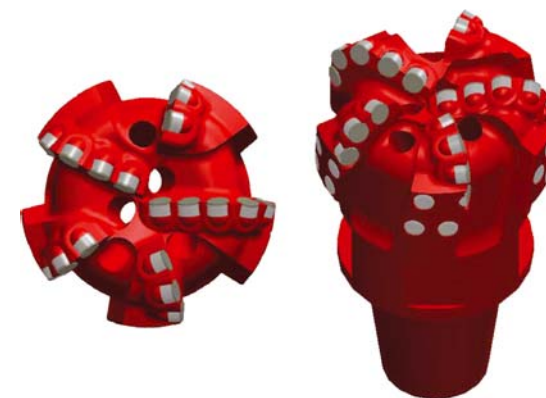


313SX

**DIRT DIGGER PDC BITS**

**Design Features:**

- 3D designed one-piece 4140 alloy steel body is CNC machined to exact design specifications for maximum blade and body strength.
- Optimized cutter distribution profile for blade count, cutter quantity, drilling conditions and bit stability.
- Force-Balanced PDC cutter locations minimize bit whirl and drill a precise round hole.
- Asymmetrical blade layout reduces drilling harmonics.
- Standard Grade PDC cutters.

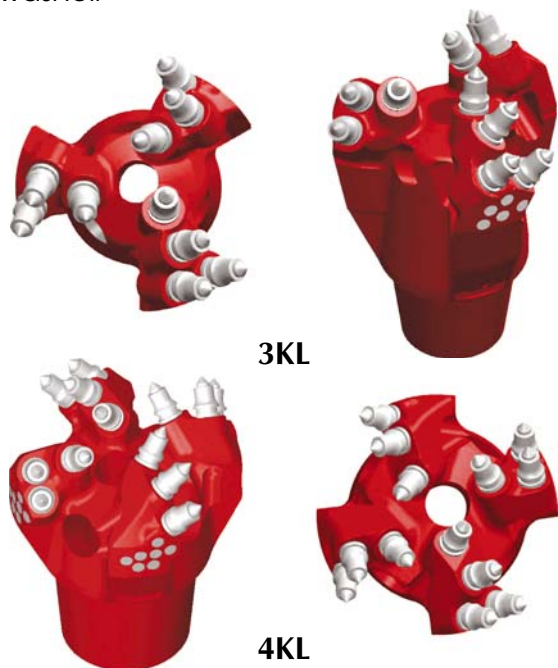


455DD

# KLAW CUTTER BITS

## Design Features:

- One-piece 4140 alloy steel bit body ensures maximum blade and body strength.
- Open center design for maximum air flow to all cutters on bit.
- 3D designed cutter locations and bit features are CNC machined to meet exact design specifications and ensure product repeatability.
- Strategically placed Tungsten Carbide Inserts protect bit body and gage cutter pockets.
- Receptacle in shank for air flow reduction washer.



Our vision is to provide the best value-for-money, bit and bit / BHA optimization services, with the objective to improve operational efficiency while providing improved financial performance.

## Our goal is to be as a service provided known for:

- Flexibility
- Excellent service provision
- Engineered solutions
- Fast delivery
- Excellent pricing
- Quality delivery

Our service is divided into operational and project engineering services. The operational services are focused on Bit and BHA supervision at the field location. The engineering is an In-depth service on a project approach, combining optimization services, including field services and drilling engineering services.



## Operational Field services (day to day)

- Bit & BHA optimization
- Hydraulics optimization
- In- field daily support/ supervision
- Bit recording
- Dull grading
- Bit & BHA run evaluation and recommendations

## In-Depth Engineering (project based)

- Risk & Reward time analyses
- Engineered analysis of the complete drilling cycle
- Engineered approach to major drilling concerns such a Pressure Management, Wellbore Integrity
- A Project approach

## Our services are offered on the following basis:

- Complete field service
- Surface to TD well service
- Per hole section
- Purchase and or rental meterage

Our services are a complete drilling cycle analysis from planning, implementation, execution and evaluation including "Lessons Identified" and with " best practices" provided a means to "Lessons Learned" the process utilized is key to our successful process. We use our visualization software to assist our clients to visualize our findings and recommendations.

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