



HDD TOOLING & MANUFACTURING CAPABILITIES

Precision-Machined HDD Bits, Housings, Reamers, and Pullbacks



APEX
INDUSTRIES

Manufacturer of water well drilling products



An ISO 9001:2015 Certified Company

About us

Since 2003, Apex Industries has been committed to engineering reliable solutions for the water well drilling industries in USA & Canada.

Starting with drive shoes, dual rotary shoes, and other essential drilling tools, Apex Industries quickly established itself as a trusted name.



**APEX
INDUSTRIES**
Precision at Every Turn

A brief look at our milestones:

- 2014 – Expanded into drilling accessories, including DTH hammers and Bits and drill bits, becoming a complete solutions provider.
- 2023 – Introduced Horizontal Directional Drilling (HDD) tooling, marking our step into advanced infrastructure solutions.

Today, Apex Industries specializes in:

- Water well drilling accessories
- Casing accessories
- Directional Drilling products
- Construction Drilling products
- Environmental products

Mission

- To design and manufacture reliable drilling solutions that deliver **quality, durability and value**.
- To meet customer needs through **innovation, competitive pricing and dependable service**.

Vision

- To be recognized as a **trusted global manufacturer** in drilling solutions, known for **consistency and reliability**.
- To expand responsibly while balancing **innovation, affordability and performance**.

Quality

At Apex Industries, **quality is not just a checkpoint—it's the foundation of everything we do.**

All components are manufactured in our **ISO 9001:2015** certified facility, ensuring precision at every stage. From raw material sourcing and product design to manufacturing, packaging, and delivery, our rigorous inspection process covers the entire journey.

PILOT BITS

FIXED SHOE / CROCODILE BITS

Non-rotating bits ideal for soft to medium soils. Carbide inserts for cutting and long life. Designed for casing guidance and pilot hole creation.

Available Size:

- ★ PILOT450B: 4.5inch Drill diameter x 6 Bolt Vermeer pattern



STEEP TAPER BITS / TUFF BITS

Aggressive cutting profile for hard soils and cobbles. Built from forged alloy steel with heat-treated carbide teeth. Suitable for Vermeer bolt pattern.

Available Size:

- ★ PILOTS450B: 4.5inch Drill diameter x 2"IF BOX Connect x 7 Bolt Vermeer pattern.
- ★ PILOTS550B: 5.5inch Drill diameter x 2"IF BOX Connect x 6 Bolt Vermeer pattern.



TRICONE (TCI) BITS

Heavy-duty and medium duty bits for drilling in rock and compact formations. TCI tips extend tool life under high-pressure conditions.

Available Size:

- ★ TCI600OB35: 6" Open Center TCI Open Bearing IADC 723 3.5" REG PIN
- ★ TCI600SB35: 6" Open Center Sealed Bearing TCI 537 OR 637 3.5" REG PIN
- ★ TCI612SB35: 6-1/8" Sealed Bearing MED Formation Button Carbide with 3.5" REG PIN
- ★ TCI875SB45: 8 3/4" Open Center Sealed Bearing TCI 537 OR 637 4.5" REG PIN



Cutters: Spherical, Ballistic, Mill tooth and etc.

PDC BITS

PDC bits offer high-speed drilling, reduced downtime, and improved hole quality. PDC bits are particularly effective in soft to medium formations, and their design can be optimized to suit various geological conditions.

Available Size:

- ★ PDC487B51L: 4 7/8" PDC BIT Single layer 19 PDC Cutter 2.875 PIN
- ★ PDC512B51L: 5 1/8" PDC BIT Single layer 19 PDC Cutter 2.875 PIN
- ★ PDC487B52L: 4 7/8" PDC BIT Double layer 39 PDC Cutter 2.875 PIN
- ★ PDC487B52L: 5 1/8" PDC BIT Double layer 39 PDC Cutter 2.875 PIN



SHOE BIT ADAPTER

We supply various types of shoe bit adapters. Box to Box, Box to Pin, Pin to Pin and Pin to Spline adapters which can you used to match your pilot bit with housing sonde.

It can be used for various types of machines.



Durable HDD Tools for

GREENER, SMARTER CONNECTIONS

Strength and reliability for critical underground networks with less surface disruption.

For more info, Log into
www.apexindustries.ca

REAMERS AND SWIVEL PULLBACKS

FLUTED REAMERS

Designed to enlarge pilot holes with efficient soil displacement. Fluted body improves stability and fluid flow.

Available Size:

- ★ FLREAM0600: 6" Fluted Reamer forge body
- ★ FLREAM0800: 8" Fluted Reamer forge body



SWIVEL PULLBACKS

Built to isolate torque and protect product pipe during back reaming. Heavy-duty bearings and seals for durability.

Available Size:

- ★ SWIVEL2000- Swivel pull back 2.0inch 10K LBS.



“ON TIME
DELIVERY
UP TO YOUR
DOOR STEP”

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HOUSINGS AND SPECIALTY BITS

HOUSING SONDE

Protects the transmitter and enables accurate drill head tracking underground. Heat-treated alloy body with cladding.

Available Size:

Transmitter Size: 15inch

- ★ SONDE250SB: 2-1/2inch DIA
6 Bolt (1/2")
- ★ SONDE300SS: 3inch DIA
6 Bolt (1/2") x 2.125" Spline
- ★ SONDE300SB: 3inch DIA
6 Bolt (1/2") x 2" IF BOX Connection
- ★ SONDE300BB: 3inch DIA 2" IF BOX x 2"
IF BOX Connection

Transmitter Size: 15inch

- ★ SONDE335BB: 3.35inch DIA 2-3/8"
IF BOX x 2-3/8" IF BOX Connection
- ★ SONDE375BB: 3.75inch DIA 2-7/8"
IF BOX x 2-7/8" IF BOX Connection



RETRAC DCSP BIT

Double-cut, single-pass retrac design. For use in tight, collapsing boreholes. Easy to retrieve.

Available Size:

- ★ DCSP450SBB: GT60/ST61-115MM (4 1/2") Retrac
DCSP bit with spherical / semi- ballistic button
- ★ DCSP500SBB: GT60/ST61-127MM (5") Retrac
DCSP bit with spherical / semi- ballistic button



TRI-CLAW ROCK BIT

Three-claw aggressive cutting bit for rock, cobble, compacted soils. Replaceable carbide teeth for extended use.

Available Size:

- ★ CLAW450200: 4.5" HDD Tri Claw Rock Bit 2" IF PIN
- ★ CLAW550237: 5.5" HDD Tri Claw Rock Bit 2 3/8" API REG PIN



SLANT BIT

The slant drill bits offer superior reliability, durability, and performance, particularly when drilling through hard to very hard formations like Basalt Rock. They feature a unique cutting structure layout and tough, heavy-duty carbide inserts, ensuring longer drilling intervals with higher penetration rates.

Available Size:

- ★ SLANT6QL50: 6" Slant Bit- QL50
- ★ SLANT8QL60: 8" Slant Bit- QL60



CUSTOM MANUFACTURING

We manufacture OEM replacements and specialty tools based on customer drawings or soil requirements.

WHY CHOOSE US

- **Unmatched Precision Engineering** – Our HDD tools are crafted with advanced CNC machining to deliver superior accuracy, durability, and consistent performance in every project.
- **Proven Reliability in the Field** – Designed and tested under real-world drilling conditions, our products minimize downtime and maximize productivity.
- **Custom Solutions for Any Job** – From standard designs to specialized configurations, we provide tailored tooling solutions to meet your unique project requirements.
- **Premium Materials, Longer Life** – Using only high-grade alloys and wear-resistant treatments, our tools withstand extreme stress and challenging ground conditions.
- **Expert Support & Quick Delivery** – Our experienced team offers technical guidance, rapid turnaround, and after-sales support to keep your operations running smoothly.
- **Cost-Effective Performance** – By combining durability with optimized cutting efficiency, our tools reduce operational costs and deliver maximum value over time.



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