Bit Brokers International, Ltd. was founded by President/CEO Tim Thomas on May 10, 1988 and has grown to become one of the most respected companies in the industry. The Family-run business has now served all 50 states and 84 countries by keeping quality control at it’s highest, prices competitive, and making sure the customer is ahead of schedule and under budget performed with pride and confidence.
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The VersaReam is a patent pending interchangeable, replaceable, and expandable blade PDC reamer by Bit Brokers International. The VersaReam is bi-directional, so it can be pushed or pulled. The VersaReam bodies can accommodate sizes varying from 8” to 48”. The push/pull design makes swabbing a hole faster and smoother than ever before with little to no effort by the drill rig. The push/pull design adds extra Versatility, but the Versatility doesn’t stop there. Check out the prototype video and testimonial on YouTube!
The various VersaReam bodies can accommodate more than just one size. The driller has the capability to change a set of blades in the field. The blades can be changed if they are damaged or if a different size is needed. Spare blades make downtime almost non-existent by means of blade rotation. VersaReam blades can also be rebuilt via BBI’s PDC Refit® Service.
The VersaReam does well in the same formations that the traditional PDC bits do well in, which normally are sandstone, limestone, shale, clay, sand, and similar formations.

<table>
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<tr>
<th>Model</th>
<th>Number of Blades</th>
<th>Minimum Pilot Hole</th>
<th>Opening Size</th>
<th>RPMs</th>
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<td>VR-3</td>
<td>5</td>
<td>4.75’’</td>
<td>8’’-12’’</td>
<td>45-80</td>
<td>1000-20000</td>
<td>2 7/8 API REG</td>
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<tr>
<td>VR-4</td>
<td>5</td>
<td>5.5’’</td>
<td>12’’-18’’</td>
<td>45-80</td>
<td>12500-20000</td>
<td>3 1/2 API REG</td>
</tr>
<tr>
<td>VR-5</td>
<td>5</td>
<td>6.5’’</td>
<td>18’’-24’’</td>
<td>45-80</td>
<td>15000-20000</td>
<td>4 1/2 IF</td>
</tr>
<tr>
<td>VR-6</td>
<td>5</td>
<td>12’’</td>
<td>24’’-30’’</td>
<td>40-65</td>
<td>17500-25000</td>
<td>4 1/2 IF</td>
</tr>
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</table>

* SIZES UP TO 48” AVAILABLE. SPECIFICATIONS FOR SIZES ABOVE 30” VARY.

** The recommended weights and RPMs will vary with formation, rig size and step size.
The VersaReam is anywhere between 3-5 times faster than the traditional roller cone reamer in the correct formations. With added rate of penetration, the VersaReam cuts down on operating costs because the ream is finished faster than ever before.
For the Customer who prefers Fixed Blade Reamers, Bit Brokers offers the best in the business!
In addition to the VersaReam, Bit Brokers International manufactures the traditional fixed blade PDC reamers. Sizes vary from 6” to 36” and can be manufactured to push or pull. The most common number of blades for these reamers is either 5 or 6, but Bit Brokers can custom design the reamer to your specifications. Bit Brokers fixed blade PDC reamers are anywhere between 3-5 times faster than the traditional roller cone reamers in the correct formations. With added rate of penetration, the PDC reamers cut down on operating costs because the ream is finished faster. Fixed blade PDC reamers do well in the same formations that the traditional PDC bits do well in, which normally is sandstone, limestone, shale, clay, sand, and similar formations.
Bit Brokers International can customize your HDD roller cone reamer or vertical hole opener with sizes ranging from 6” to 48”+. Choose between new/surplus or rerun cutters and either Mill Tooth or TCI cutters. Customizable with any of the standard connections. Built-in centralizers are becoming the standard but are optional. Each HDD reamer is equipped with back reaming carbides to make swabbing the hole easier and smoother to help prevent wear on the reamer. If you can dream up your own reamer, we can build it!
Replacement Cutters

Traditional Roller Cone Reamers can be shipped back to us and rebuilt with new, used or surplus cones.

We can also supply tricone cutters/sections that are pre-cut and ready to assemble at your facility.

The skilled technicians at Bit Brokers split tricone cutters/sections as a daily routine. This ensures the seals and bearings are well protected which is critical in manufacturing reamers.
Bit Brokers International manufactures its own line of PDC bits with sizes ranging from 3” to 36”. We work hand-in-hand with drillers around the world to design PDC bits that work best for all types of drilling applications.

PDC bits normally work best in consolidated rock formations such as sandstone, limestone, shale and similar formations. PDC bits also work well in softer formations such as clay and sand.

We also carry many rerun PDC bits which can be more affordable for the driller who is wanting to try a PDC bit for the first time.
Bit Brokers International carries an extensive line of tricone bits in sizes ranging from 3” to 36” in both Mill Tooth and TCI. Tricones are available in sealed bearing, open bearing, and air bearing. Bit Brokers has NEW, NEW/SURPLUS and RERUN tricones available. Bit Brokers prides itself on having the best selection of quality drill bits available in the industry.
BIT BROKERS IS THE OFFICIAL USA DISTRIBUTOR OF SEALED BEARING VALCO TRICONE BITS.

VALCO tricone bits are field tested and approved by drillers across the world.

VALCO bits are available in various sizes.

When you think “VALCO”, think “exceptional quality at unbeatable prices!”
Bit Brokers International supplies the best quality drag bits in the industry with sizes ranging from 1 ½” to custom built 30”. They are offered in both Chevron and Step type and in either 3-way or 4-way. Drag bits do best in soft formations such as clay or sand and in some very soft rock. They are not designed for use in coarse gravel or hard rock formations.
Bit Brokers International helps foundation drilling companies get through rock. We can supply you with the roller cone sections to fabricate your own core barrel or bolt on cutters, or we can do the fabricating with the core barrel or bolt on system that you provide to us. We can also help you design a system that will drill how you want it to drill. Bit Brokers also has a vast supply of both new/surplus and rerun LEAVE IN THE HOLE/SACRIFICIAL tricones in various sizes.
Bit Brokers International supplies vertical hammers and hammer bits for nearly any type of shank on the market. New, new/surplus, and used hammers and hammer bits are available. The hammer bits are available in concave, convex, and flat face designs. Our sales associates can help you find the right hammer and hammer bit for your job.
Bit Brokers International can rebuild large diameter hammer bits at the fraction of the cost it would be to buy a new bit. We have the ability to replace a few buttons or completely reface the bit and bring it back to new.
Bit Brokers regularly performs ReFit Repair on used PDC bits, *VERSAREAM™* blades and Fixed PDC Reamers, restoring them to like-new condition.

Our ReFit Experts have performed a record number of TWENTY ReFit Repairs on ONE bit. BBI is simply the best in the business!
BBI routinely rotates customers’ Reamers by stripping old cutters/sections off the body and replacing them. This keeps the customer well supplied with quality tools year-round from our specialized Roller ReFit Personnel.
The combination of BBI’s Hammers, Bits and HDD Support Packs gives you the fastest and most reliable package in the industry.
OUR SHIPPING DEPARTMENT WORKS HARD TO SEE THAT YOUR PURCHASE ARRIVES AS QUICKLY AS POSSIBLE AND AT THE BEST POSSIBLE PRICE!

We routinely ship stateside and worldwide. Proper documentation is provided to facilitate clearance through Customs and only approved shipping crates and/or containers are used.

Timber Products Inspection, Inc - Certified Member

Our domestic shipping, both LTL and full loads, are available at economical rates. We will also work with the carrier of your choice. Just give us a call and we will gladly track your order once it has shipped until it arrives at your door.

Whether it’s the other side of the world or the other end of the block, our goal is to move your purchase quickly and economically.
Bit Brokers International, Ltd. is a Family business where the personnel holds 173 years of combined experience providing the highest of quality drilling tools and service in the industry! Contact our Key Personnel TODAY!

618-435-5811
Customer Testimonials

Kobus P. from Namibia - “10 years and counting, I have NEVER had a reason to look anywhere else!”

Jack M. from Pennsylvania - “Bit Brokers’ VersaReam finished our 800ft bore in 1/3 the time!”

Earle R. from Colorado - “They are great to do business with. Very professional guys.”

Dwight S. from Texas - “Bit Brokers builds the best reamers that I have ever run.”

Chip H. from Tennessee - “The HDD Hammer performed exactly as was sold to me. Straight shooters!”

Robert P. from Oklahoma - “My 12” reamer with new cutters has over 20,000ft on it and is still going!”

Gerard L. from Canada - “The guys at Bit Brokers care about us as people, rather than just being another customer.”
We are proud members of the following associations.
29 years
25,000 sq ft under roof
Small enough to make quick decisions!
LARGE ENOUGH TO SUPPLY ANY JOB!

618-435-5811
IADC CODE QUICK REFERENCE

FIRST DIGIT
1, 2 and 3 designate STEEL TOOTH BITS with 1 for soft, 2 for medium and 3 for hard formations. 4, 5, 6, 7 and 8 designate TUNGSTEN CARBIDE INSERT BITS for varying formations with 4 being the softest and 8 being the hardest.

SECOND DIGIT
1, 2, 3 and 4 are further breakdowns of formation with 1 being the softest and 4 the hardest.

THIRD DIGIT
This digit will classify the bit according to bearing/seal type – see information on different bearing types – and special gauge wear protection as follows:
1. Standard open bearing roller bit
2. Standard open bearing roller bit, air-cooled
3. Standard open bearing roller bit with gauge protection which is defined as carbide inserts in the heel of the cone
4. Sealed roller bearing bit
5. Sealed roller bearing bit with gauge protection
6. Journal sealed bearing bit
7. Journal sealed bearing bit with gauge protection

SEE MORE INFO AND OUR IADC CALCULATOR ON OUR WEBSITE!