

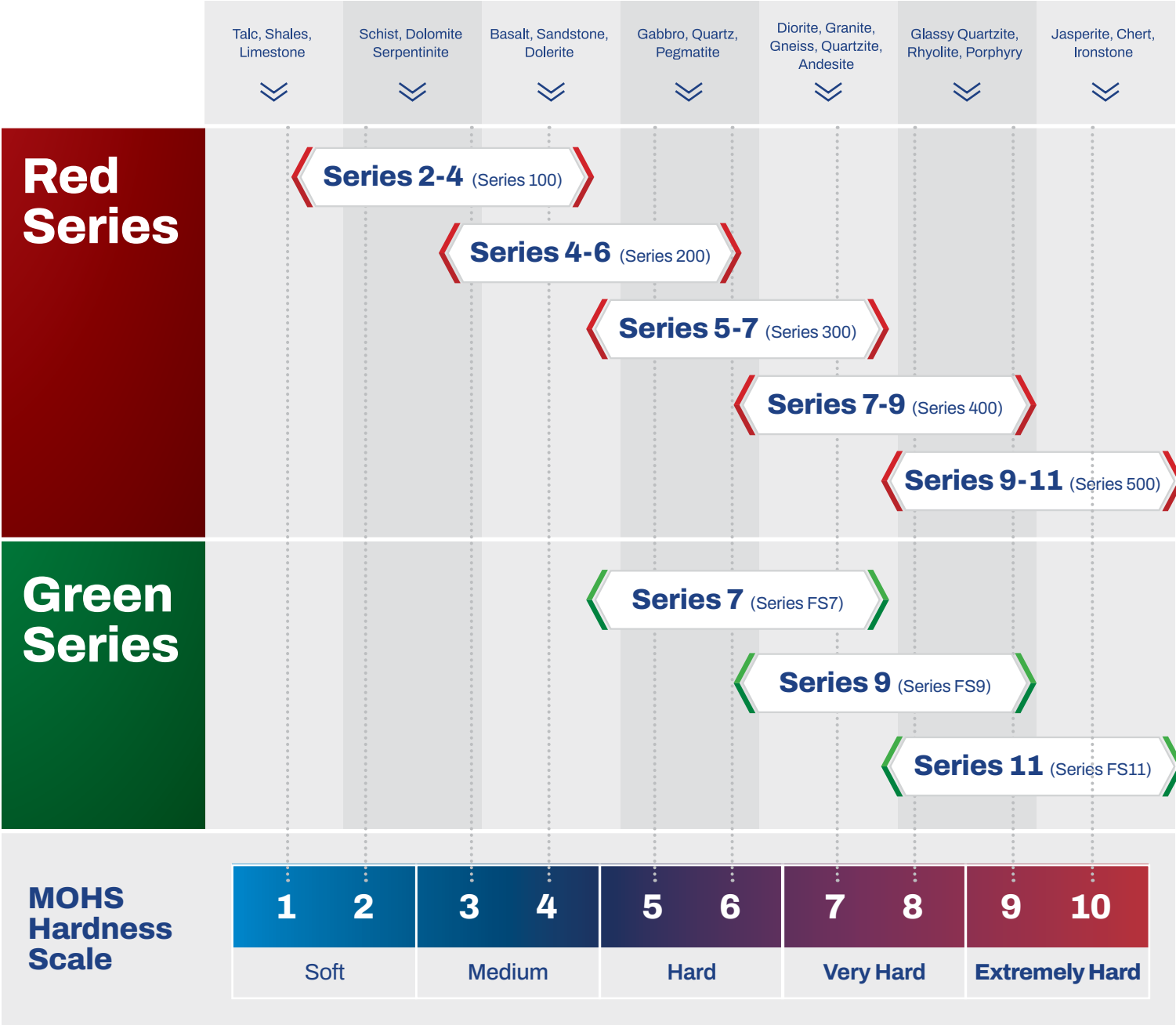


Drill. Innovate. Perform.

Product Portfolio

- + Diamond Tools
- + Rods & Casing
- + In-The-Hole Equipment
- + Wedges
- + Solid Removal System
- + Grinding Pins

Matrix Selection Chart



The Pilot Diamond Bits come standard in 13mm, 16 mm, impregnated crown height and in 5 different waterways configurations.

Diamond Tools

Pilot Diamond Tools is a leading Canadian manufacturer providing solutions for diamond drilling contractors worldwide. Renowned for our unwavering commitment to quality, consistency, and reliability, we offer a comprehensive range of diamond tools to excel in any drilling conditions. From our precision reaming shells to our core bits, shoes and grinding pins, our tools are crafted to ensure optimal performance and productivity on the job site.

Core Bits



Red Series

Reliability and Performance.

- Simplified matrix offering to cover a wide range of rock types and conditions.
- Requires less driller interaction.
- Available in multiple face profile designs.
- Crown heights of 13mm and 16mm.



Green Series

Specific to your needs

Designed for specific rock conditions and hardness.

- Simplified matrix offering, focused on known ground conditions.
- Robust matrices for hard rock.
- Ensures repeatability and minimal deviation.
- Available in multiple configurations and in 13mm and 16mm Crown heights.

Casing Shoes

Rod Shoe



Casing Shoe

The importance of shoes is often overlooked, but as they lie at the very start of a drilling job, their reliability is of prime importance. Shoes are designed to be robust to withstand the rigours of advancing the drill string through overburden and into bedrock; as such they are reinforced with carbide and thermally stable diamonds on both the inside and outside gauges—a feature not shared by every competitor.

Grades Available

- Econo
- Standard
- Heavy Duty
- Oversized
- Heavy Duty

Carbide Chip

The **Pilot Carbide Chip** casing shoe is the ideal solution for many overburden applications, where impregnated diamond matrix metallurgy is too easily abraded away. The Carbide Chip product is a robust, tough and economical solution which can take the abuse of the broken, abrasive ground that is common when setting casing. Even some boulders can be penetrated with this product.



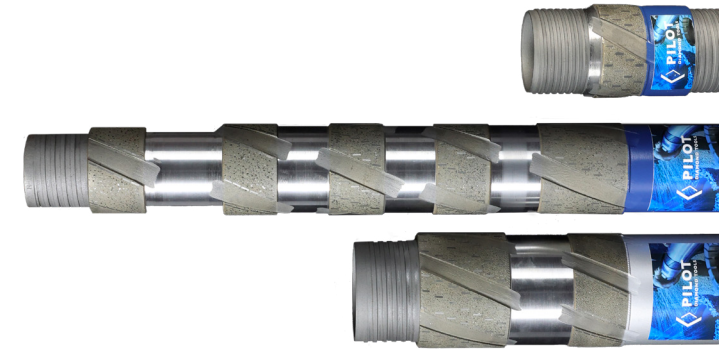
The Silverback Series | A stronger, more durable casing shoe

The newly introduced **Silverback Casing shoe series** offers field-proven benefits :

- Improved toughness: Resists premature segment failure in broken ground or gravels, ensuring reliability in unpredictable conditions.
- Enhanced resistance to severe abrasion: With advanced matrix metallurgy and diamond treatments, it excels in aggressive terrains like sands and friable sediments.
- Measurable improvements in penetration rate: Achieves superior penetration rates across broken ground or into bedrock, providing a comprehensive solution in one efficient package.



Reaming Shells



The **Pilot reaming shell** is the benchmark for knowledgeable drillers where quality and reliability are valued above initial cost. Drilling is made easy and more manageable with this reaming shell. The importance of the reaming shell in maintaining hole direction and gauge cannot be underestimated. At every bit change, the new bit is expected to reach the bottom of the hole without interference. As the shell typically lasts the life of several bits, the selection of the best available reaming shell is an investment in productivity and overall cost of the project.

Pilot Reaming Shell

**Standard 6”
Straight Hole 10”
Double Length 18”**

Pilot’s experience and proven manufacturing processes play a critical role in the success of this specialized product designed to help manage deviation and provide stability at the bottom of the hole.

Using a Double Length 18” shell will offer stability and straightness for the most demanding drilling program. Pilot’s workmanship in maintaining the concentricity and straightness of these extended shells has positioned Pilot as the premier supplier worldwide.

Note that all extended reaming shells must be paired with corresponding inner tube extensions, readily available from Pilot.

V2.0 Reaming Shells | The evolution of the Reaming Shell

More Diamonds where it counts.

Placing diamonds strategically at the rock-engaging surface is key. Pilot’s Reaming Shell V2.0 maintains diamond weight while maximizing useful contact, leading to increased usable life. This design also improves diamond retention, resistance to broken ground, and cutting efficiency. Precision manufacturing ensures consistent hole gauge and straightness.

The Reaming Shell V2.0 offers improved control and reliability, with enhanced design and materials for consistent results.



Locking and Adapter Coupling

The technology that is embodied in the Pilot reaming shell is also the foundation of Pilot's locking and adapter couplings. The same matrix formulations and the same manufacturing techniques result in couplings that are accurately gauged, stable and long-lived.



Pilot locking couplings are available in all standard sizes, and with or without drive tang. Many drillers prefer the tanged version of the locking coupling as it helps prevent premature wear of the inner tube components.

Precision machining allows the latches to open fully inside the adapter coupling, ensuring proper latching and unlatching of the inner tube assembly. It also locks the landing ring in place for positioning of the inner tube assembly during the drilling process. Available in all standard sizes.

Diamond Tools for Wedging

Pilot offers a complete range of cost-effective diamond tools for wedging.

- Concave Bits
- Inner Tube Concave Bits
- Taper Bits
- Wedge Ball Bits
- Wedge Reaming Bits
- Wedge Reaming Shells



“By-Pass” Wedge

Premier produces wedges in-house, using specialty equipment designed for the long, heavy cuts that are needed to make a precise wedge. All the components in the wedging system are available at Pilot & Co.

Grinding Pins

Pilot provides regrinding tools to quickly restore button bits for profitable use.

- Years of testing have streamlined the matrix offering
- Matrices are available for wet and dry applications.
- Multiple waterway options for maximum flow and cutting surface balance.
- The cup design sharpens buttons and cleans steel at the base for a like-new profile.
- Drive arrangements are standardized to fit most grinding machines



Custom and Specialty Tools

When faced with challenging situations, count on us as your trusted partner to provide tailored solutions. Our dedicated team is committed to supporting you in overcoming operational challenges with precision and expertise.

Graphite Plug

When replacing a diamond core bit, use a graphite plug to protect the diamond segment and ensure secure lowering of the bit down the hole. Graphite plugs are available in all offered diamond tool sizes.



Premier Mining Products

Premier Line of products includes drill rods, in-the-hole equipment and accessories, and custom machining. Our state-of-the-art automated process and precise in-house heat treatment ensure unmatched reproducibility and control. We take pride in the reliability and compatibility of our products, offering unparalleled performance when you need it the most.

Drill Rods and Casing

Premier Drill Rods feature high-quality alloy steel, automated fabrication with in-house heat treatment, and strict quality control.

Rods (Available Sizes)				Casings (Available Sizes)	
				Straight	Tapered
B-WL	BR	BT	NHD	BW	
N-WL	NR	NT	HHD	NW	NWT
H-WL	HR	HT		HW	HWT
PHD				PW	PWT



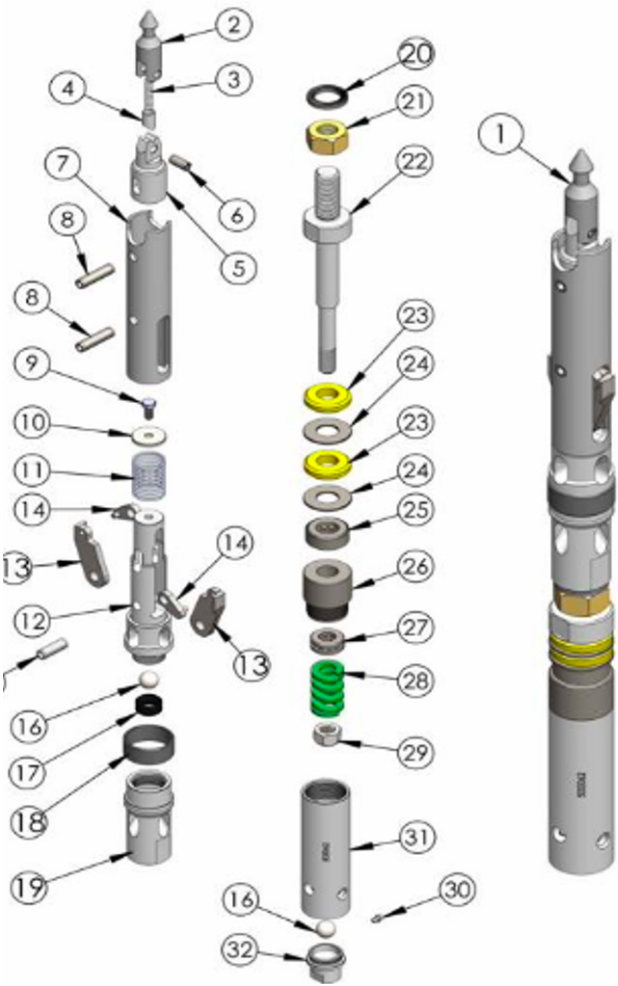
Core Barrels

Pilot & Co offers complete core barrels and parts. We offer fully compatible L-Latch Head Assembly, Inner and Outer Tubes, Core Lifters, Case, and Springs, along with an Overshot. Built to DCMA standards, our in-the-hole product line is fully interchangeable with top industry OEMs.

Head Assembly L-Latch Link Style Latch

(Available Sizes)

Surface	Underground
N-WL	N-WL
H-WL	H-WL
P-WL	P-WL
B-WL	B-WL



Casing Advancer

Our Casing Advancers are available in various sizes, including NWL, BW, NW, HWL, HW, HWT, PW, and PWT. Get the job done with our casing advancers.

Water Swivel

We offer Water Swivels for surface and underground applications, including Compact/Compact Plus, Universal Water Swivel 25K/40K, and Side Feed Water Swivel. Each model meets high standards of quality and reliability.

Accessories

We offer a range of accessories for your drilling needs, including carbide inserts, plugs, tube wrenches, core lifters, casing cutters, etc. Ask our dedicated team for a quote.

Drillware Tools | Engineering Solutions

Drillware Tools's Product Line core focus is to bring productivity and safety to the drill site. Our team of engineers is working actively on a dynamic innovation roadmap, that includes ongoing patent applications. We develop our solutions with constant conversation and feedback from drillers to ensure we bring value to their work.

Piercepoint Through the Bit Plugs

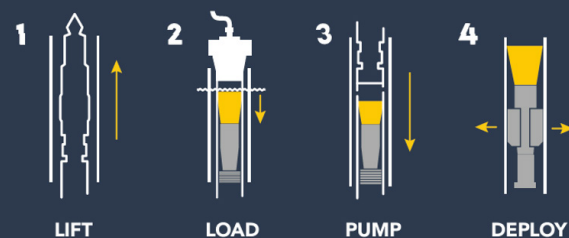
The only cementing-wedging plug to deploy directly through the bit. No drill rod removal required.

Pull The Plug On Rod Tripping

Eliminating unnecessary drill rod removal, the Piercepoint TTB Plug can be configured, loaded and deployed in a fraction of the time, at a fraction of the cost, straight through the bit. Its mechanical properties also give it the versatility required to excel at numerous applications including cementing, wedging, grouting, geotechnical, and reclamation. Compared to our competitors' plugs, there is simply no better solution available today.



Four Easy Steps



Centrifuge

ENVIRON Solid Removal System



ENVIRON SRS CENTRIFUGE

Minimize your water usage, while maximizing the life of your downhole tools and penetration rate.

Rent your centrifuge today!

With peace of mind, a pre-maintenance program is included.

Configuration Available :

- Basic
- Fly Package
- Underground
- Skid Package

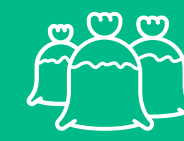
Water is priceless. Don't waste a drop.

To complete an average 1000m NQ hole, you may be wasting up to 577,600 litres of water - just to reach depth. What if you could do the same with just 2,400 litres of water. With the SRS Centrifuge, this is possible.



Zero Water Discharge

Reducing water consumption by up to 90%, the SRS Centrifuge discharges no water and returns pure, clean water to the drill string.



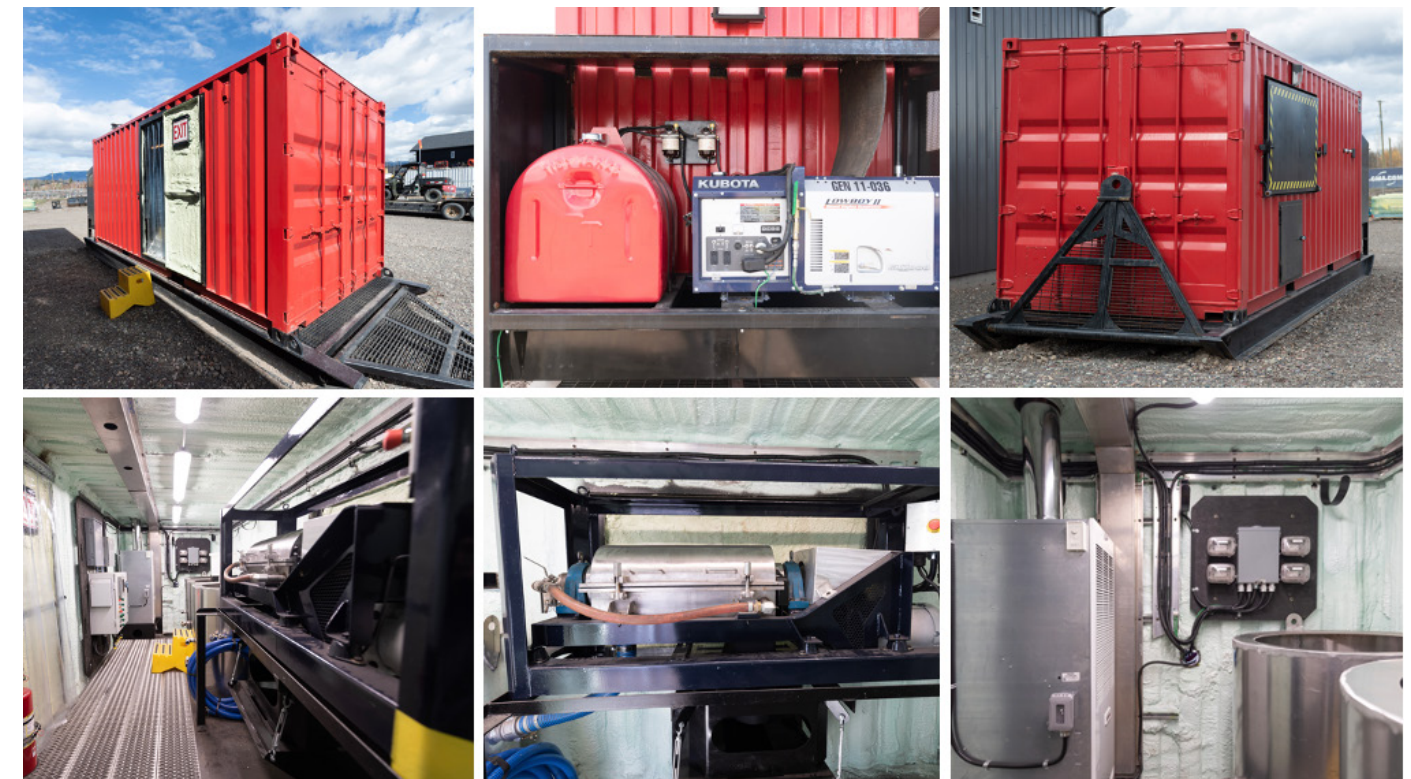
Effective Solids Removal

Cuttings removed from the drilling fluid can be easily stored and transported at a solid, easily packaged consistency - no permitted sump required.



Uniquely Portable

Compact and lightweight, the SRS Centrifuge maintains a small footprint and can be packaged for pad, fly, skid or underground.





Contact us!

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