



# CORE RETRIEVAL





# GET MORE ROCK IN THE BOX EVERY SHIFT!

Increase the productivity of your drilling operations and maximize core retrieval regardless of ground conditions with Di-Corp's smooth-operating in-hole coring tools and accessories. Members of Di-Corp's engineering, manufacturing, and field service teams draw on their extensive mineral exploration drilling experience to ensure that our in-hole core retrieval tools operate smoothly, latch positively, and keep your rig turning for maximum productivity.

**Drillers Edge Core Retrieval Tools** by Di-Corp offer:

- Surface and Pump-In Core Barrel Assemblies.
- Complete compatibility with the industry's leading coring systems.
- Durable, reliable operation.
- Ready access to replacement parts and spares.
- A wide range of coring accessories, including bit and rod gauges, water swivels, fishing tools, casing advancers, and more.

## WHEN YOU NEED AN EDGE

We've improved the traditional Core Barrel and Overshot designs with an innovative approach that increases the safety and reliability of latching and locking. Our Edge series features the **EdgeLATCH™ Core Barrel Assembly** and the **EdgeLOCK™ Overshot Assembly**.

## OR KEEP IT RETRO

Want to keep things old school? Di-Corp offers a version of the most widely used traditional latching and locking systems with our Retro series - the **RetroLATCH™ Core Barrel Head Assembly** and the **RetroLOCK™ Overshot Head Assembly**.



# EDGE LATCH™ CORE BARREL ASSEMBLY

Increase the productivity of your drilling operations and maximize core retrieval regardless of ground conditions with Di-Corp's core barrel assembly options. We offer wireline core barrel assemblies that can be used to retrieve the core without pulling out the entire drill string, including standard core barrel assemblies, head assemblies, conversion kits, or extended options. No matter your core barrel needs, Di-Corp Drillers Edge has you covered.

They say that if your rig's not turning, you're not earning. Stuck tubes and mismatches cause significant downtime and can have a serious impact on your productivity. With Di-Corp's **EdgeLATCH™ Core Barrel Assemblies**, you can lock and release with confidence. We've taken the traditional Core Barrel Assembly and improved it with an innovative latching system that provides increased leverage for occasions when tubes are difficult to release.



The EdgeLATCH is available as a full assembly or head assembly.

Additional features:

- Provides a mechanical advantage during the “unlatching” or “unlocking” of the inner tube assembly.
- Maximizes the efficiency with which the latches are pulled inward.
- Transfers the pulling force of the latch retraction case from the pin through to the latches.
- Provides reliable, secure latching with both tanged and non-tanged locking couplings via an integrated latch spring that makes each latch move independently from the other.
- Prevents contamination for prolonged life of bearing and offers increased impact resistance on the bearing.

In addition to the unique EdgeLATCH mechanism, we've introduced other product enhancements to ensure you remain productive, including a shielded bearing and an inner tube cap thread protector.

Di-Corp's EdgeLATCH Surface Core Barrel kits include standard sizes from B to P, and the Pump-In Core Barrel includes B to H. All Core Barrel Assemblies are supplied with the EdgeLATCH Head Assembly and Conventional Locking Couplings and are designed to be fully compatible with other popular industry core barrel latching systems.

# CORE BARREL ASSEMBLY OPTIONS

## PUMP-IN CORE BARRELS WITH LATCH LOCKING

Di-Corp has developed a two-part enhanced mechanism that locks the latches open during uphole drilling and is designed to fit inside the existing space of most standard heads.

In the first mechanism, the locking pin slides into the notch on top of each latch when the latches open inside the adaptor coupling. The force of the locking spring keeps the locking pin in place until the latch retraction case is actuated during core retrieval. The second mechanism applies a designed spring force to the latch retraction case once the latches are opened. This ensures that the first mechanism remains fully engaged during drilling and that the latches are not prematurely retracted, resulting in the inner tube assembly unlatching.

## CORE BARREL ASSEMBLY PARTS

Need a replacement part for your Core Barrel Assembly? In addition to our complete assemblies and head assemblies, we also offer individual parts as required.

## CORE BARREL CONVERSIONS

Di-Corp offers options for Core Barrel conversions, including seamless transitions from competitor's core barrel assemblies to the enhanced EdgeLATCH™ Core Barrel by replacing only a handful of simple components. We also offer fully assembled conversions that replace all components. Conversion Kits are offered for B, N, N2, N3, H, and H3 sizes.

## CORE BARREL KITS

Di-Corp offers both gravity and pump-in systems in double and triple-tube configurations. We have incorporated several product improvements to ensure you remain productive, including EdgeLATCH™ for improved locking and unlocking, shielded bearing, latch locking for up-hole drilling, inner tubing, and more. Kits are offered for B, BU, N, N2, N3, NU, H, H3, and HU sizes.

## EXTENDED CORE BARREL OPTIONS

Whether you're coupling two standard Core Barrels together or simply extending an Inner Tube Assembly to match a stabilized Reaming Shell, Di-Corp can extend your standard Core Barrel in sizes B, N, and H.

# EDGELOCK™ OVERSHOT ASSEMBLY

Safely and efficiently retrieve your inner tube assembly or core sample with our overshot systems. Whether you need a full assembly, head assembly, or spares, Di-Corp Driller's Edge has your overshot needs covered with options compatible with commonly-used coring systems. Maximize core retrieval with our effective and safe overshot options.

Safety is first with Di-Corp's **EdgeLOCK™ Overshot locking system**. The EdgeLOCK Overshot is a simple, self-locking, compatible solution to retrieve the Inner Tube Assembly efficiently and reliably. With the unique edge lock mechanism, there's no need to

remember to stop and engage a safety mechanism, gravity automatically does it for you!

The EdgeLOCK Overshot eliminates the need to manually lock in the head — keeping your fingers out of harm's way in the process. As soon as you start to raise the overshot, the weight of the head pulls the lifting dogs into the locked position. The head remains "locked in" until the weight is removed, and you manually compress the lifting dogs to release. EdgeLOCK Overshot Assemblies are offered for B, BU, N, N2, N3, H, H3, and HU sizes.



The EdgeLOCK is available as a full assembly or head assembly.

# OVERSHOT ASSEMBLY OPTIONS

## ROLLING EDGELOCK OVERSHOT

The Rolling EdgeLOCK™ Overshot is a modified version of the standard EdgeLOCK Overshot. It features a unique edge lock mechanism that is normally used when the hole angle approaches 45° and the overshot descent time is compromised by friction between the Overshot Assembly and the inside diameter of the drill string.

Rolling EdgeLOCK Overshot Assemblies are offered for B, N, N2, N3, H, and H3 sizes.



## OVERSHOT ASSEMBLY PARTS

Need a replacement part for your Overshot Assembly? In addition to our complete assemblies and head assemblies, we also offer individual parts as required.

## OVERSHOT SPARES

Overshot Spares include the most commonly consumed Overshot wear components. The EdgeLOCK™ Overshot spares kits contain Pins, Bearings, Springs, Nuts, Fittings, Pin Links and Screws, as well as Lifting Dogs. The Pump-In Overshot spares kits contain the same items, less the EdgeLOCK components. Overshot Spares are offered for B, N, N2, N3, H, and H3 sizes.

# RETROLATCH™ AND RETROLOCK™

Along with our better-performing Edge series for Core Retrieval, we offer the Retro series, our versions of well-known traditional latch and lock systems from an independent tooling supplier. Why buy from a drilling competitor when you can get what you need from a supplier ready to focus on your needs?

## RETROLATCH™ CORE BARREL ASSEMBLY

If you're looking for a traditional "swing-out" link-style latching system, try **RetroLATCH** — it's a blast from the past, but it gets the job done! Additionally, the Di-Corp RetroLATCH head assembly design is fully compatible with that of competitors.

RetroLATCH Core Barrel Assemblies are offered in H and N sizes.



## RETROLOCK™ OVERSHOT ASSEMBLY

The RetroLOCK Overshot is a simple, self-locking, compatible device for retrieving the inner tube assembly efficiently. The RetroLOCK is offered as a full assembly or head assembly in H and N sizes.





# CORING ACCESSORIES



## BIT AND ROD GAUGES

Di-Corp Rod & Bit Gauges ensure that your gear is operating within its service life, optimizing productivity and safety. Many Drillers choose to use our gauges as a fail-safe on-site checking mechanism which decreases potential downtime due to normal product wear and/or failure.



## CASING ADVANCERS

The Di-Corp Casing Advancer consists of an Inner Assembly (includes a loading funnel) and a Driver Coupling. Di-Corp Casing Advancer Assemblies will ensure that casing through overburden is as efficient as possible providing a quick and fail-safe retrieval of the Inner Assembly once bedrock is reached.

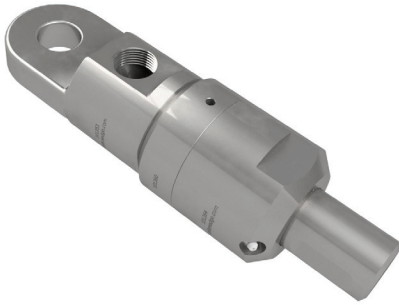
Casing Advancers can be used multiple times, and if the casing must remain in the ground following a completed drill hole, replacement drivers are available, allowing the balance of the assembly to be used repeatedly.



## FISHING TOOLS & TAPS

Di-Corp offers a wide variety of Fishing Tools and Recovery Taps in all sizes of Wire Line Drill Rods and Casing.

# CORING ACCESSORIES



## COMPACT PLUS WATER SWIVEL

Di-Corp offers both gravity and pump-in systems in double and triple tube configurations. We have incorporated several product improvements to ensure you remain productive, including EdgeLATCH™ for improved locking and unlocking, shielded bearings, latch locking for up-hole drilling, and inner tube cap thread protector.

Available as side port (with hoisting bail) and top port, the Di-Corp Compact Plus Water Swivel ensures reliability in a small package. The Compact Water Swivel is fully serviceable in the field with only a few standard tools.



## COMPACT PLUS WATER SWIVEL, SPARES

Consumable wear components of the Compact Plus Water Swivel are available in a kit or as individual parts. These components are fully compatible with both top and side port swivel designs as well as with the industry leader's water swivel assembly.



## WRENCHES

Di-Corp offers Inner Tube and Outer Tube Wrenches, Gripper Pad Wrenches, Stationary Jaw Wrenches, Swing Jaw Wrenches, Particle Wrenches, and Retaining Ring Wrenches for all common sizes.

Di-Corp also offers Pipe Wrenches in 18", 24", 36", and 48" sizes. Drill Rod Wrenches are also available upon request.

# A DRILLING PRODUCT SUPPLIER YOU CAN TRUST TO ENHANCE YOUR DRILLING OPERATIONS

As a leading supplier of innovative drilling solutions, Di-Corp has the products and supplies you need to ensure maximum productivity for your drilling operations, even in the most extreme conditions.

We've been sourcing the best and building it better since 1960 and have the knowledge and expertise to stand behind what we sell. Di-Corp is your one-stop source for all of the following drilling consumables, backed by decades of drilling experience, fluids engineering, and customer-focused 24/7 service:

- Drillers Edge™ Coring Rods
- CoreMatrix™ Diamond Tools
- Core Retrieval Tools, Adapter Subs & Accessories
- EarthPro™ Drilling Fluids & Greases

## BEST-IN-CLASS DRILLING SUPPLIES & EQUIPMENT

Di-Corp knows drilling. With over 60 years of experience serving the drilling industry, we have the drilling Supplies, Tooling, Fluids and Expertise to support your success.

## WARRANTY

Di-Corp products are warranted against defects in material and workmanship for a period of one (1) year from the date of shipment of goods. This warranty extends to the shipment of goods from an authorized distributor, provided that the distributor stores the product in a suitable facility and maintains the product in an as-purchased condition. During the warranty period, Di-Corp will replace products that prove to be defective.

Contact Di-Corp for additional warranty information.





# DI-CORP

DOWN TO EARTH BUSINESS

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