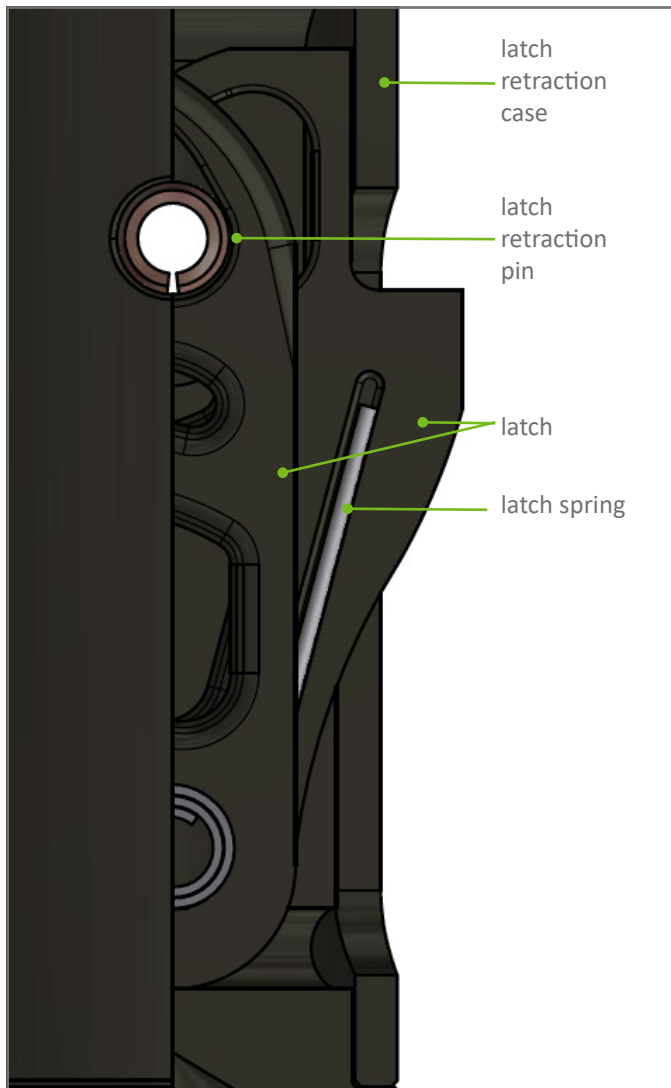


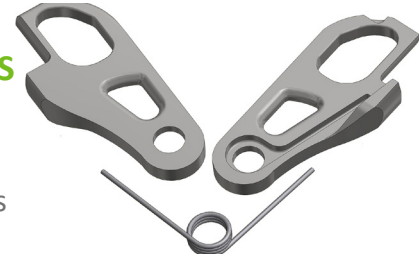
EDGE LATCH CORE BARREL

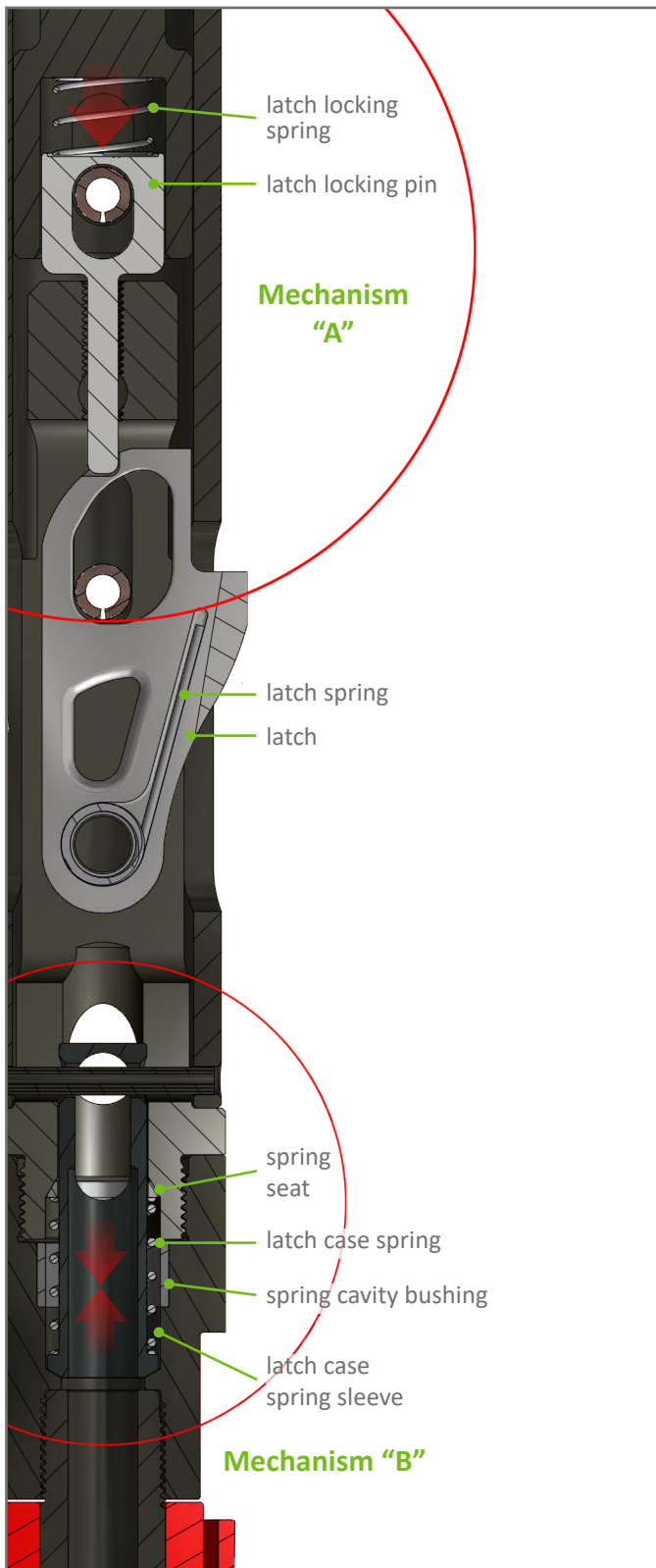
Stuck tubes and mismatches cause significant downtime and can have a serious impact on your budget — you can lock and release with confidence using Di-Corp's Edge Latch Core Barrels.



FEATURES & BENEFITS

- Latching system provides increased leverage for occasions when tubes are difficult to release**
 - improved latch design provides a mechanical advantage during the “unlatching” or “unlocking” of the inner tube assembly
 - latch window maximizes the efficiency in which the latches are pulled inward
 - pin transfers the pulling force of the latch retraction case through to the latches
- Integrated Latch Spring**
 - each latch moves independent from the other for reliable, secure latching with both tanged and non-tanged locking couplings
- Shielded Bearing**
 - prevents contamination for prolonged life of bearing
 - increased impact resistance
- Inner Tube Cap Thread Protector**
 - protects the thread from damage when head is shipped or when not in use
- Latch Locking Pin**
 - prevents latches from releasing prematurely on pump-in applications (see reverse)
- Designed to be interchangeable with other popular industry core barrel latching systems**
 - conversion kits and heads available

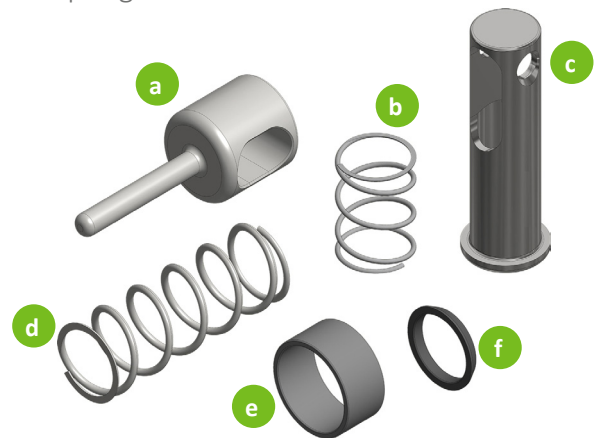




LATCH LOCKING FOR PUMP-IN CORE BARRELS

Di-Corp has developed a two-part mechanism that locks the latches open during uphole drilling.

- designed to fit inside the existing space of most standard heads
- consists of the following components:
 - a. latch locking pin
 - b. latch locking spring
 - c. latch case spring sleeve
 - d. latch case spring
 - e. spring cavity bushing
 - f. spring seat



Mechanism "A"

When the latches open inside the adaptor coupling the locking pin slides into the notch on top of each latch. The force of the locking spring keeps the locking pin in place until the latch retraction case is actuated during core retrieval.

Mechanism "B"

This applies a designed spring force to the latch retraction case once the latches are opened ensuring that:

- Mechanism "A" remains fully engaged during drilling
- latches are not prematurely retracted, resulting in the inner tube assembly unlatching