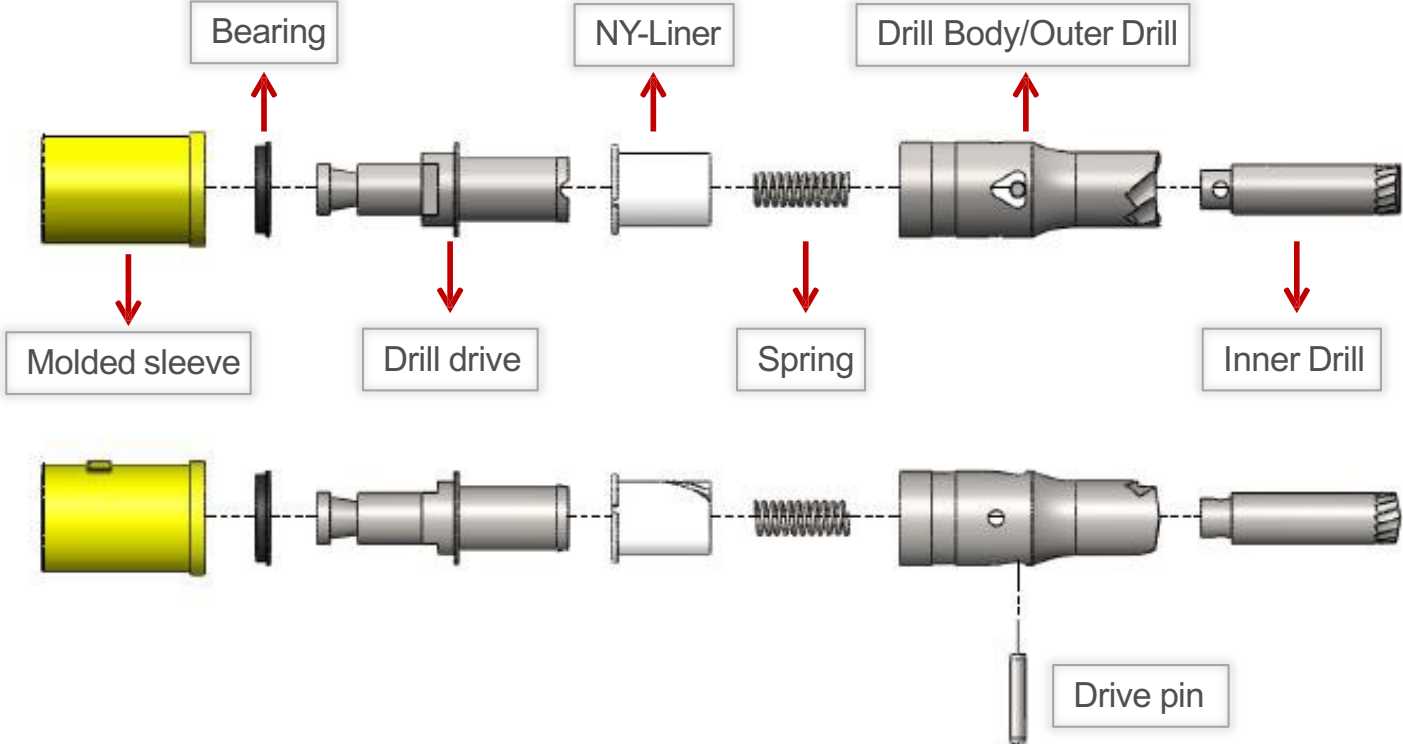


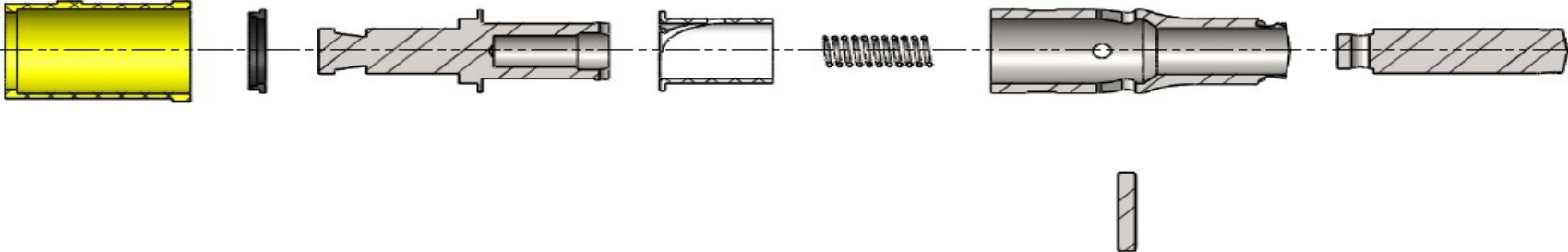
Codman® Disposable Perforator Assembly and Working Principle



Components View

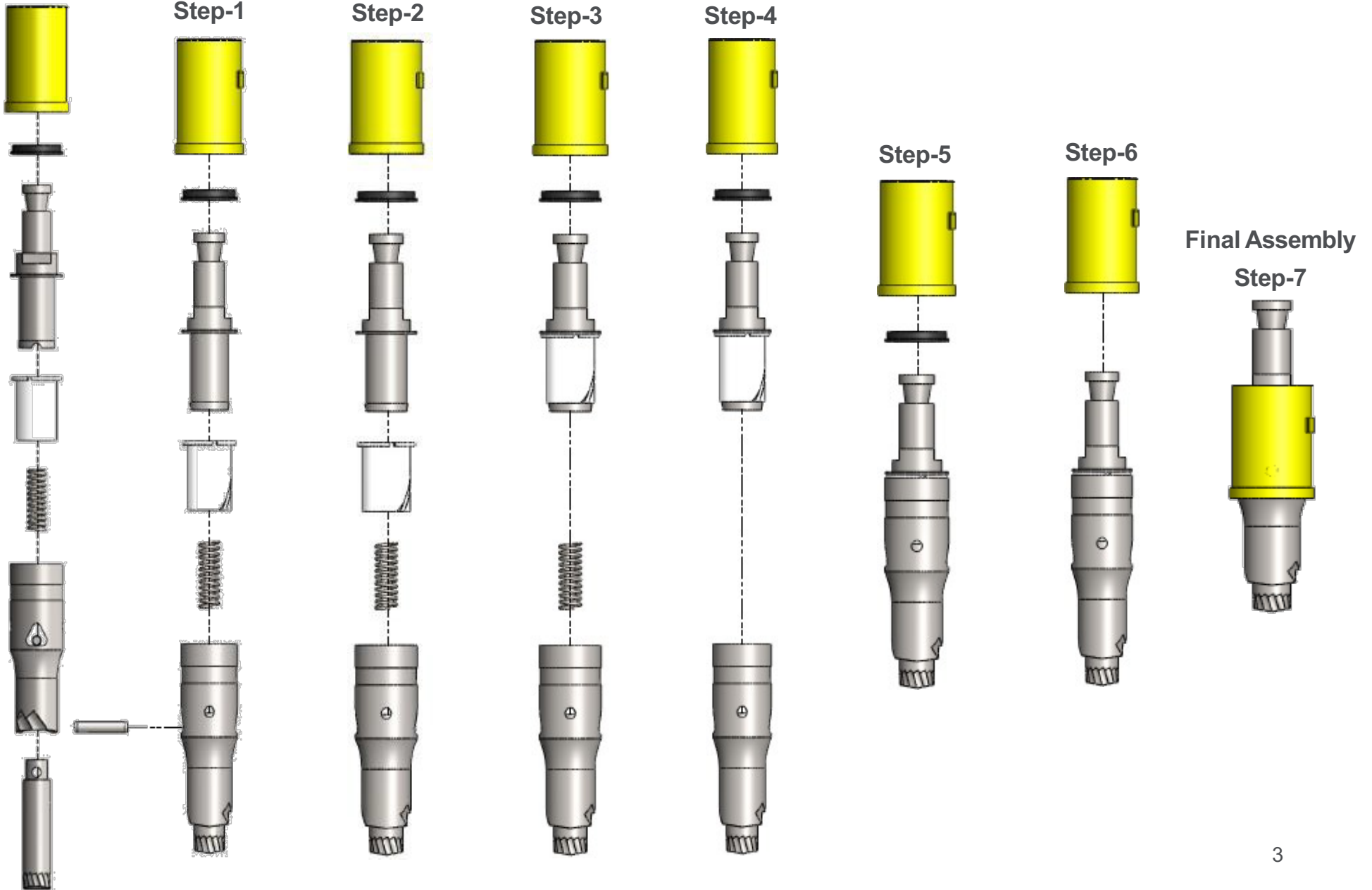


Cross section view of components

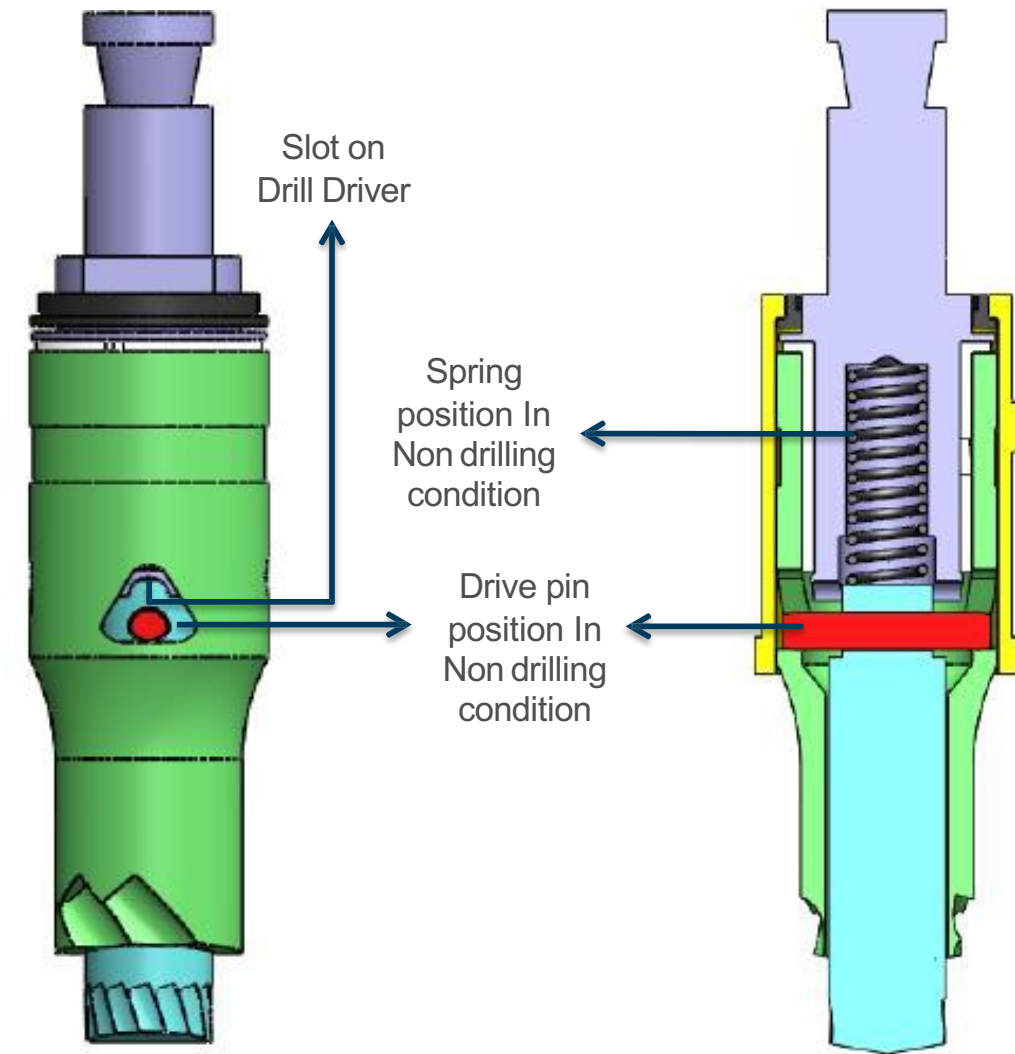


Assembly Sequence which will help to understand the working principle

Component
View

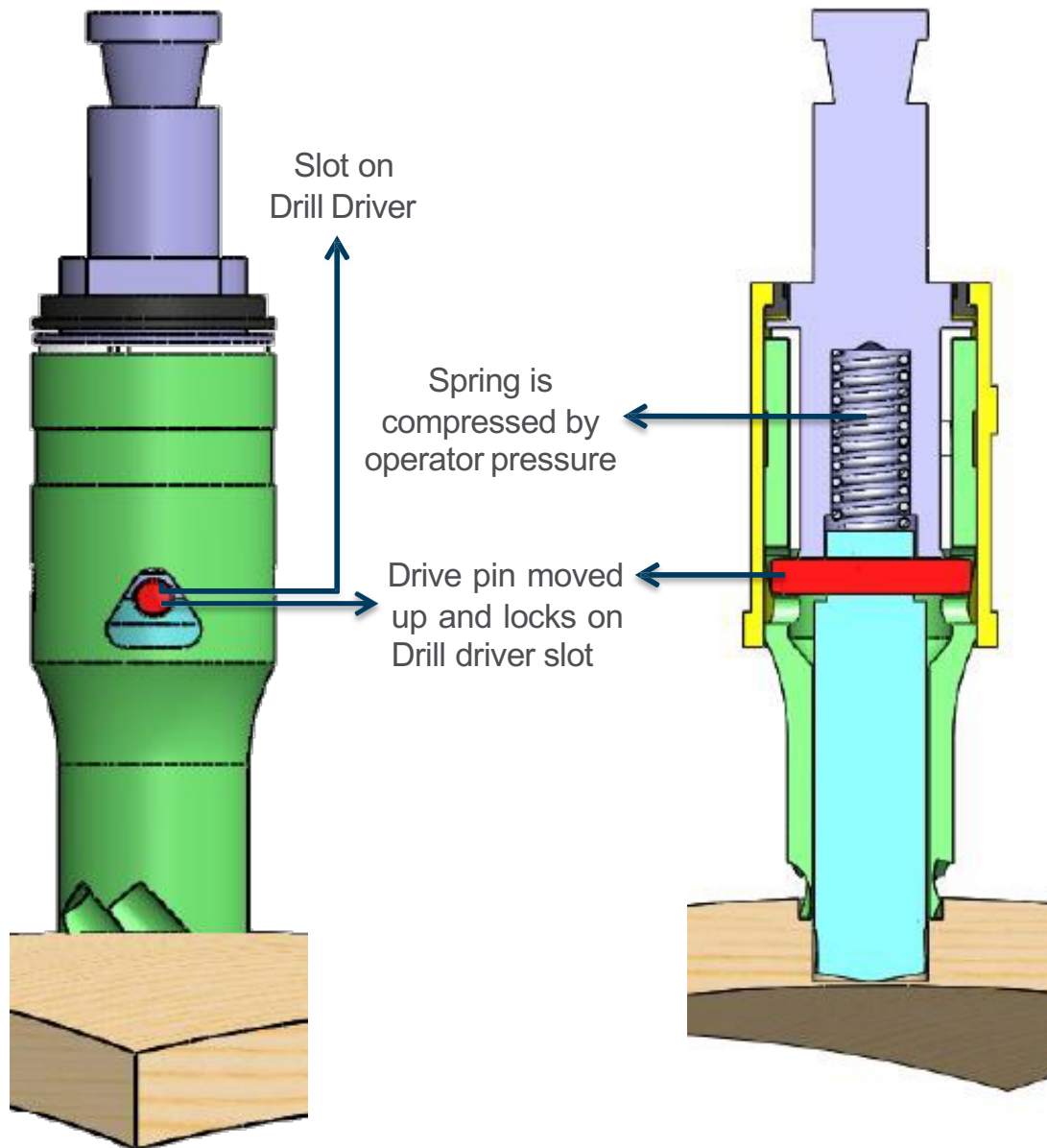


Non-Drilling condition



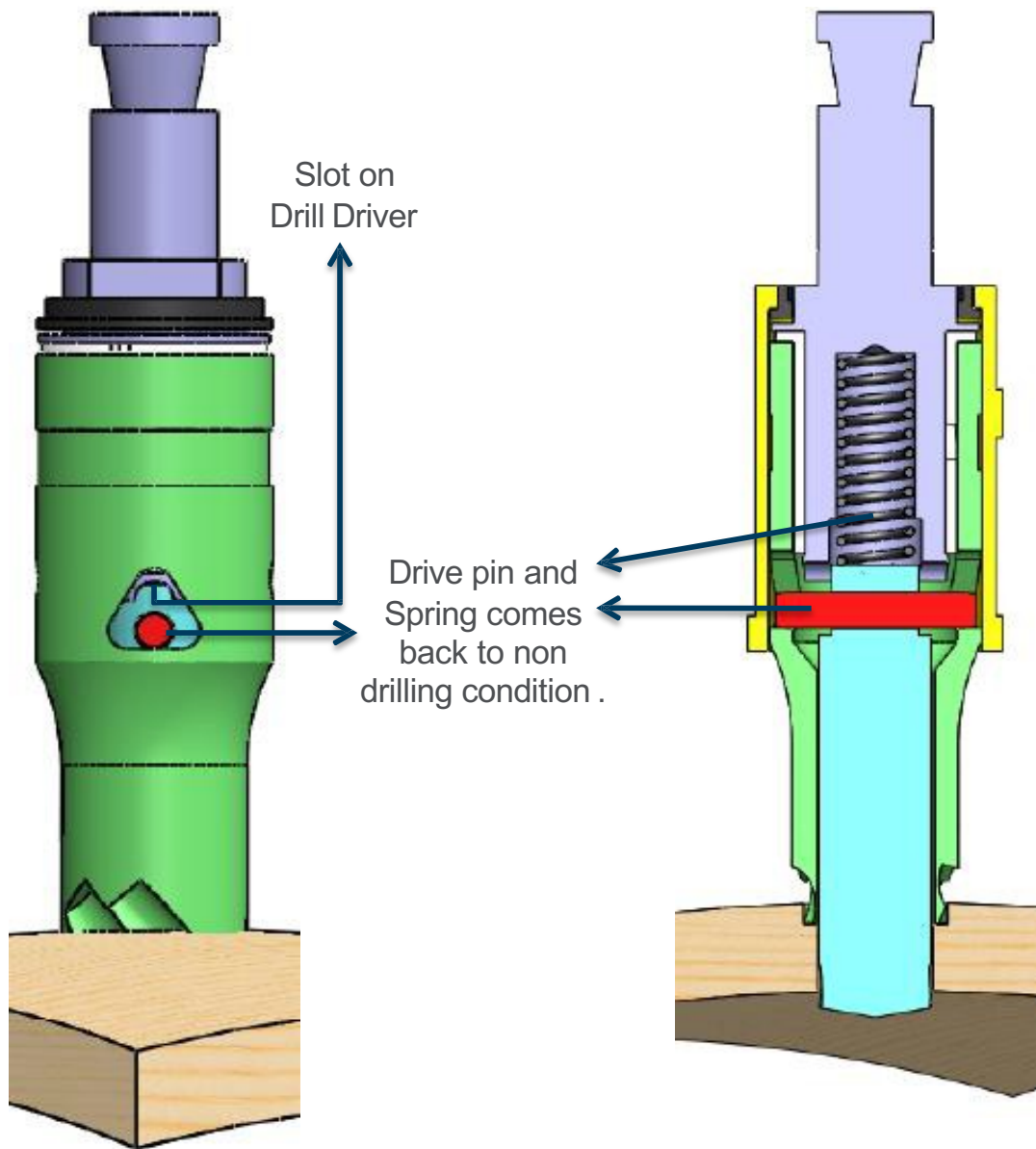
- Slot on the Drill Driver face transfers the drilling rotary motion to Inner and Outer drills.
- Inner and outer drills are locked by means of Drive pin
- In Non Drilling condition,
 - spring in the center of drill driver pushes out the inner drill
 - Drive pin rests on the outer drill slot
 - There will not be transfer of rotary motion to any of the drills.

Drilling condition



- Slot on the Drill Driver face transfers the drilling rotary motion to Inner and Outer drills.
- Inner and outer drills are locked by means of Drive pin
- In Drilling condition,
 - spring in the center of drill driver compresses by drilling force as shown
 - Drive pin locks on slot in the Drill driver face as shown
 - Drill driver rotational motion is transferred to inner and out drills and drilling action takes place.

Perforated condition



- Slot on the Drill Driver face transfers the drilling rotary motion to Inner and Outer drills.
- Inner and outer drills are locked by means of Drive pin
- In Perforated condition,
 - spring in the center of drill driver pushes out the inner drill as bone is perforated.
 - Driver pin rests on the outer drill slot
 - There will no transfer of rotary motion to any of the drills and Drill process stops.