



TIW CORPORATION
A PEARCE INDUSTRIES COMPANY

CPT CASING JACK



**HYDRAULIC DOWNHOLE
CASING RECOVERY SYSTEM**

SERVING THE OIL & GAS INDUSTRY SINCE 1917



The TIW *CPT* Casing Pulling System is used to retrieve casing in applications where the drilling rig or work string does not have sufficient capacity to pull the casing. It may be used as a replacement for surface casing jacking systems. The *CPT* System is used in conjunction with standard casing cutting and fishing tools, and is used to exert the pulling force required to retrieve the casing. The TIW *CPT* may also be used to dislodge other material from the casing or wellbore.

The TIW *CPT* System consists of a down hole multi-stage hydraulic actuator that functions as a hydraulic jack and a hydraulic set mechanically releasable gripper that anchors the jack to the casing wall. The anchor section can be released and reset downhole as many times as required. The *CPT* is normally furnished with a rotary shouldered pin connection on the bottom to allow the use of casing cutting and/or retrieving tools such as mills, and spears.

CPT Components:

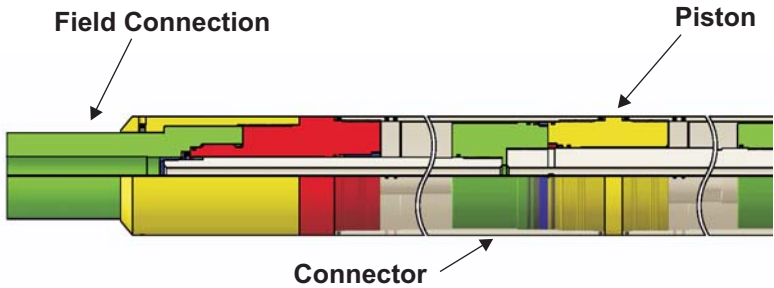
- Multi Stage Hydraulic Power Section
- Anchor Section
- Safety Release Section
- Field End Connection

CPT Benefits:

- Applies pulling loads at the fish not at the surface
- Mitigates Limited Rig Capacity
- Mitigates damage to work string and hoisting equipment due to tension loads
- Mitigates damage to work string or hoisting equipment due to shock loads
- Quick Rig Up and Rig Down compared with Surface Systems.

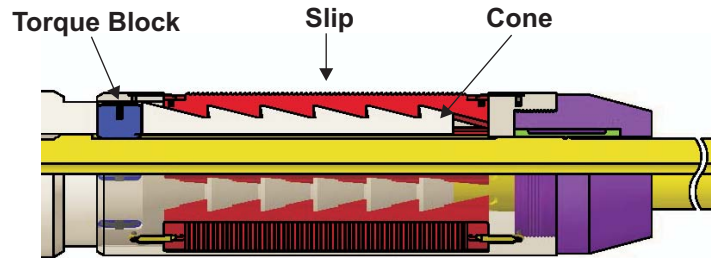
U.S & Foreign Patent Pending

POWER SECTION



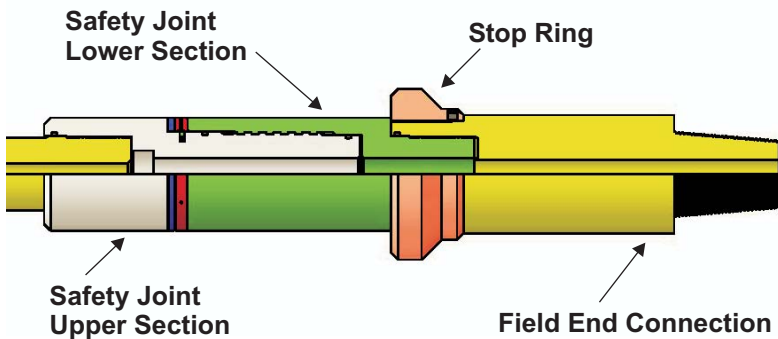
The Multi-Piston Power Section provides a combined cross sectional area that when pressure is applied generates the forces required to begin the upward movement of the fish.

ANCHOR SECTION



The Anchor Section is activated with pressure on the power section and the cones push the slips outward anchoring the CPT in place. After the stroke is completed, a straight pull upward on the power section releases the slips. The power section can then be reset and the anchor then re-engaged.

SAFETY RELEASE SECTION



The Safety Release section includes a safety joint that provides a method of releasing the power section from the fishing assembly should it be required and a Stop Ring that acts as a locator to tag the top of the fish. The field end connection is provided to connect to the fishing BHA.