



CRTA ROTATING TUBING ANCHOR CATCHER

DESCRIPTION

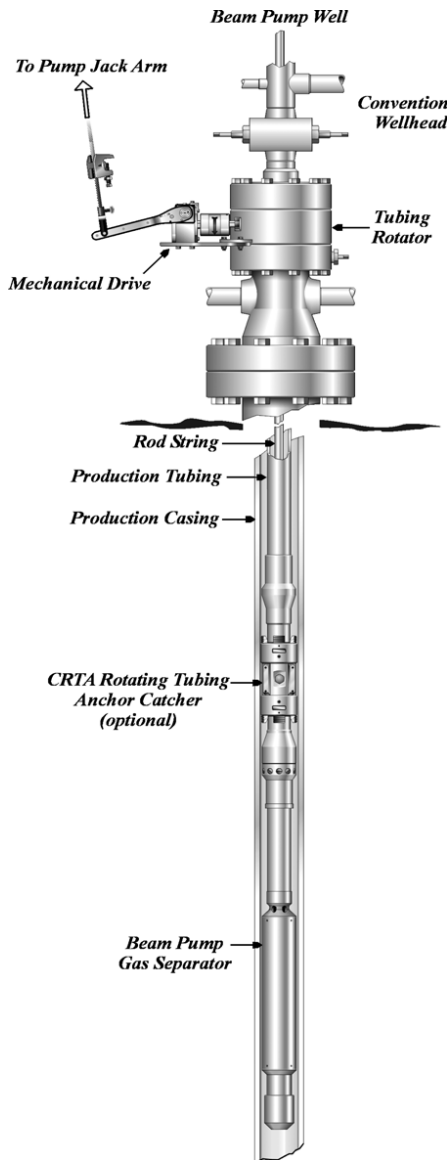
The **CRTA Rotating Tubing Anchor Catcher "CRTA"** is designed to hold the tubing string in tension during rod pump operations. The mandrel of the CRTA is free to rotate through the tool in the set position with tension pulled into the tubing. This allows the entire tubing string, including all tail pipe, gas/mud anchor, and the seating nipple to rotate. The CRTA is a deal in applications where there is a great deal of tail pipe below the anchor point. It is also ideal for applications such as high deviation or horizontal wells where the tubing is run into the deviation of the horizontal section of the well and the anchor point is the vertical section of the well.

The CRTA is a full bore tubing anchor with opposing slips. The bearing system in the tool is engaged in the set position and allows rotation through the tool. The CRTA is set with $\frac{1}{4}$ turn left hand rotation and released with $\frac{1}{4}$ turn right hand rotation. The tool has an emergency shear release system. Straight tension pulled on the tubing string shears the shear system and allows the lower cone to move away from the slips. The entire tool can then be pulled from the wellbore.

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OPERATION:
SETTING INSTRUCTIONS FOR CRTA

1. Determine the size of anchor needed in relation to casing size, casing weight and tubing size.
2. Specify the shear value desired (in 5,000 # intervals)
3. Function test anchor on surface, engaging and disengaging the C-Slot (neutral position) before entering the wellbore.



4. Make up tool onto tubing and run in slowly through BOP's and wellhead.
5. After running in 3 or 4 joints, test the tool by disengaging the C-slot and pull tension. If tool holds, engage back into neutral position and continue running in.
6. Run anchor to desired depth. To disengage from C-Slot, pull tubing 2 inches (at the top) torque to the left and continue to pull another 6 inches to engage slips.

RELEASE INSTRUCTIONS

1. Lower tubing while rotating to the right. If the tubing goes into compression, you have missed the C-Slot. Pull up, rotating to the right and lower again.
2. If after a few tries this down not work, you can shear the tool by pulling tension on the tool exceeding the shear value in that specific tool.

EMERGENCY RELEASE

Application of tension will shear the shear screws in the tool. The lower cone, bearing, and shear pin retainer will drop against the bottom sub where they will remain as the tool is pulled out of the well. The pick up shoulder on the mandrel will engage the slip ring and prevent the lower slips from contracting the lower cone. The slips will ride on the pick up shoulder.

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