



## Model "QTA" Mechanical Set Retrievable Anchor

Assembly & Testing Technical Information

Part Number(s): (See Chart)

### Description

The "QTA" (Quarter-Turn-Anchor,) is a Tubing Anchor designed to prevent movement of the tubing during pumping operations, thus increasing pump efficiency and decreasing wear on rods. When set, the "QTA" Tubing Anchor will prevent the tubing and rods from falling should the tubing part. Install the QTA Anchor in the Tubing String just below or above the pump for best results, although it may be installed at any point.

The Anchor can be left in tension or compression, depending on well conditions and the required application. The J-Slot design allows easy setting and releasing; 1/4 turn right-hand set, right-hand release.

### Features

- Quarter Turn Right Hand Set/Release design allows for easier setting in deviated and horizontal wells.
- Can be set using tension or compression
- Only one-quarter right rotation is required to set and release
- Field-proven releasing system
- Straight Pull-To-Release safety release system standard.
- Can be supplied with Carbide Insert Slips for use in P-110 or harder casing.

### Benefits

- Short, compact design.
- Can be left in tension, compression, or neutral position
- Quarter-Turn setting procedure eliminates the risk of unscrewing the tubing string during setting.
- Full opening gives unrestricted flow and allows the passage of wireline tools and other accessories

### Setting Procedures

Run the anchor to setting depth. Pick up and slack off to establish true slack-off and pick-up weights. Pick up on tubing and rotate ¼ turn to the right at the anchor. Lower tubing to engage slips, release right hand torque while moving downward. (Tubing must be able to rotate back to the left at anchor to lock into set position.) After setting weight on anchor, pick up on tubing and pull tension into anchor to engage upper slips and complete setting. Repeat setting weight and pulling tension 2-3 times before landing tubing. Anchor may be landed in compression, tension, or neutral position.

Sliding Sleeves-Landing Nipples-Blanking Plugs-Shifting Tools-On/Off Tools-Completion Anchors  
Flow Couplings/Blast Joints-Pup Joints-Crossover Subs-Jet Pumps-Anchor Catchers-Shear Out Safety Joints-Tubing  
Drains-Much Much More.

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### Releasing Procedure

Set down weight on the anchor and rotate the tubing 1/4 turn to the right at the anchor and pick up while holding right-hand torque. Continue to pick up to release the upper and lower slips.

In the event, the anchor will not release in the normal manner, pull (70,000 lbs +/-15%) into the tubing string to shear screws in the J-Pin Ring, leaving the J-Pin Ring to fall away and release the anchor. When released in this manner, the anchor will reset when moved down the hole.

### QTA Sizing Information

<b>QTA Mechanical Set Retrievable, Double Grip Anchor</b>							
CASING		CASING I.D. RANGE (IN.)		ANCHOR O.D. (IN.)	ANCHOR I.D. (IN.)	THREAD CONNECTION BOX UP/PIN DOWN	PART NUMBER
O.D. (IN.)	WEIGHT (LBS./FT.)	MIN	MAX				
4-1/2	15.1	3.826	3.826	3.650	1.94	2-3/8" EUE	45A-QTA-0000
4-1/2	9.5-13.5	3.920	4.090	3.750	1.94	2-3/8" EUE	45A-QTA-0001
5"	11.5-15	4.408	4.56	4.125	1.94	2-3/8" EUE	50A-QTA-0000
5"	18-20.8	4.156	4.276	4.000	1.94	2-3/8" EUE	50A-QTA-0001
5-1/2	20-23	4.670	4.778	4.500	1.94	2-3/8" EUE	55A-QTA-0000
5-1/2	14-17	4.892	5.044	4.625	1.94	2-3/8" EUE	55A-QTA-0001
5-1/2	20-23	4.670	4.778	4.500	2.38	2-7/8" EUE	56A-QTA-0000
5-1/2	14-17	4.892	4.950	4.625	2.38	2-7/8" EUE	56A-QTA-0001
5-1/2	13-14	5.012	5.044	4.775	2.38	2-7/8" EUE	56A-QTA-0002
6-5/8"	24-32	5.791	5.920	5.588	2.41	2-7/8" EUE	65A-QTA-0000
7"	23-32	6.094	6.366	5.750	2.41	2-7/8" EUE	70A-QTA-0001
7"	17-26	6.276	6.456	5.750	2.41	2-7/8" EUE	70A-QTA-0000
7-5/8	33.7-39	6.625	6.765	6.453	2.41	2-7/8" EUE	75A-QTA-0000
7-5/8	24-29.7	6.875	7.025	6.672	2.41	2-7/8" EUE	75A-QTA-0001
8-5/8	32-40	7.725	7.921	7.500	3.00	3-1/2" EUE	94A-QTA-0000
8-5/8	32-40	7.725	7.921	7.500	4.00	4-1/2" EUE	94A-QTA-0001
8-5/8	24-28	8.017	8.097	7.750	3.00	3-1/2" EUE	94A-QTA-0002
8-5/8	24-28	8.017	8.097	7.750	4.00	4-1/2" EUE	94A-QTA-0003
9-5/8	43.5-53.5	8.535	8.755	8.25	4.00	4-1/2" EUE	95A-QTA-0000
9-5/8	32.3-43.5	8.755	9.001	8.50	4.00	4-1/2" EUE	95A-QTA-0001

Other sizes and thread connections available upon request.

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PATENT PENDING

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