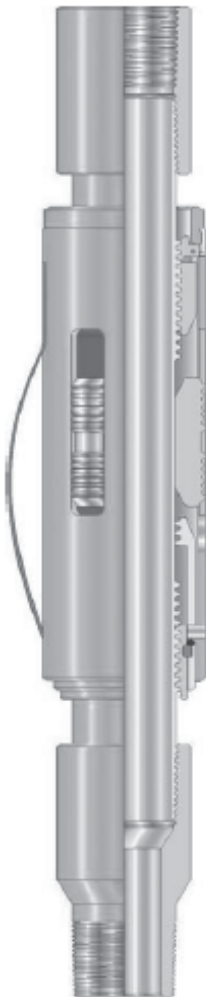


MODEL "SB-2" ANCHOR CATCHER

This rugged "SB2" Tubing Anchor Catcher is proven, efficient, and reliable in years of field service, and can help provide more oil pumping stroke with less maintenance.

MODEL "SB-2" ANCHOR CATCHER FEATURES AND BENEFITS

- The "SB-2" Tubing Anchor Catcher prevents vertical tubing movement and improves pump efficiency during the pumping cycle.
- Reduces down time by eliminating cyclic stress and wear on both rods and tubing.
- When normal release is not possible, emergency releasing at pre-selected loads with an upward pull is provided by a selective shear pin.
- Two sets of Bi-directional wickers in each slip prevent movement upward or downward and hold the tool in place as long as desired. They will also hold parted tubing in place.
- Small outside diameter of anchor catchers permits fast running and retrieving speeds.



OPERATION

To Set: At desired depth, rotate tubing to the left 5 to 8 turns (depending on casing weight) using hand wrenches.

NOTE: Proper torque must be applied when making up tubing joints to prevent back-off when setting the tool with left-hand torque.

To Release: With tubing in slight compression rotate 5 to 8 turns to the right at the tool. If normal release is not possible, emergency shear release may be accomplished with an upward pull which is greater than the total of the shear strength of the pins plus the weight of the tubing.

MODEL "SB-2" TUBING ANCHOR CATCHER RIGHT HAND SET

FEATURES AND BENEFITS

- Designed to run in wells with progressive cavity pump-screw pumps (PCP).
- Anchors tubing so appropriate tension may be applied for the PCP application.
- Catches tubing if parting occurs.
- Provides No-Turn feature for the PCP operation while maximizing pump efficiency and preventing the tubing from unscrewing as a result of right hand torque.

OPERATION

To Set: Use same procedures as Product No. 610 except right hand rotation engages slips with casing.

To Release: Primary release method is the shear release: The alternate method is left hand rotation 5 to 8 turns at the tool.

"SB-2" ANCHOR
CATCHER

Anchor Catcher Product No. 610, 611 (BB), 612 (RH SET)

MODEL "SB-2" ANCHOR CATCHER

Casing		Tool Size	Maximum OD Anchor	Recommended Range of Casing I.D.		Maximum Casing I.D. for Safe Setting	Minimum Bore thru Anchor	Thread-Box Up/Pin Down
O.D.	Weight			Min	Max			
In/mm	Lb/ft-kg/m			In/mm	In/mm			
4-1/2 114,30	9.5-13.5 14,14-20,09	43A	3.750 95,25	3.830 97,28	4.090 103,89	4.250 107,95	1.940 49,28	2-3/8 ODEU 8RD 60,33
5 127,00	11.5-18 17,1-26,79	43B	4.000 101,60	4.280 108,71	4.560 115,82	4.560 115,82		
5-1/2 139,70	13-23 19,35-34,22	45A	4.500 114,30	4.670 118,62	5.040 128,02	5.190 131,83	2.375 60,33	2-7/8 ODEU 8RD 73,03
7 177,80	20-32 29,76-47,62	47A	5.550 140,97	6.090 154,69	6.460 164,08	6.600 167,64	2.440 61,98	
	35-38 52,08-56,54		5.50 139,70	5.680 144,27	6.000 152,40	6.550 166,37		
7-5/8 193,68	20-39 29,76-58,09	47B	6.250 158,75	6.410 162,81	7.130 181,10	7.190 182,62	3.000 76,20	3-1/2 ODEU 8RD 88,90
6-5/8 168,28	17-32 25,30-47,62	Big Bore 47 X 3.00	5.500 139,70	5.675 144,15	6.538 166,07	6.552 166,42		
7 177,80	17-38 25,30-56,54	Big Bore 47B x 3.00	6.260 159,00	6.413 162,89	7.125 180,98	7.187 182,55		
	17-20 25,30-29,76		5.500 139,70					
7-5/8 193,68	20-39 29,76-58,06							

Anchor Catcher Product No. 610, 611 (BB), 612 (RH SET)

MODEL "SC-1" ANCHOR CATCHER

The "SC-1" Anchor Catcher is a retrievable double grip tubing anchor designed to anchor the tubing string in tension or compression. When installed with the proper amount of tubing string in tension, this anchor prevents movement of the tubing string during rod pumping operations. This results in more oil production per pump stroke and in turn extends the life of the pump, rods and tubing and decreases the pumping costs.



This anchor catcher incorporates an emergency shear release system which is easily adjustable in the field. Unless otherwise specified, anchors are furnished with a total of 22,000 daN (50,000 lbs) secondary release shears.

The "SC-1" Anchor utilizes drag blocks backed up by Inconel Leaf Springs which results in more positive drag, thus reducing repair costs by at least 50% of the cost for repairing older drag spring designs.

OPERATION

To Set: Install the "SC-1" Anchor Catcher in the tubing string just below or above the pump for the best results, although it may be installed at any point. Run to desired depth and rotate the tubing to the left to set the anchor catcher. The number of turns required will depend on casing weight. When the slips have set the tubing will torque up.

To ensure the anchor slips are solidly engaged with the casing, hold left hand torque on the tubing and set down 4,500 – 6,500 daN (10,000 – 14,500 lbs) of tubing weight. Pick up and set down several times to be sure the Anchor slips are properly set in the casing. Pick up to install the dognut and land the tubing, making sure the tubing is in sufficient tension when landed.

To Release: To pull the "SC-1" Anchor Catcher lower the tubing to release the tension, and rotate to the right while working the tubing up and down slightly. When pulling care should be taken to ensure the tubing is not rotated with left hand torque or it may cause the anchor to reset.

Should the "SC-1" Anchor Catcher fail to release with normal procedures, an upward pull of the tubing string weight, plus the total value of the shear pins will release the anchor.

"SC-1" ANCHOR
CATCHER

Anchor Catcher Product No. 672

**MODEL "SC-1" ANCHOR CATCHER
SPECIFICATION GUIDE**

<i>Casing</i>						
<i>O.D.</i>	<i>Weight</i>	<i>Min.</i>	<i>Max.</i>	<i>Anchor O.D.</i>	<i>Anchor I.D.</i>	<i>EUE Connection</i>
<i>in - mm</i>	<i>lbs/ft - kg/m</i>	<i>in - mm</i>	<i>in - mm</i>	<i>in - mm</i>	<i>in - mm</i>	<i>in - mm</i>
4-1/2" 114.3	9.5-13.5 14.14-20.08	3.92 99.57	4.09 103.88	3.75 95.25	1.93 49.02	2-3/8" 60.33
5-1/2" 139.7	17-23 25.30-34.22	4.67 118.62	4.892 124.26	4.50 114.3	2.44 61.98	2-7/8" 73.00
	13-17 19.35-25.30	4.892 124.26	5.044 128.12			
7" 177.8	23-32 34.22-47.62	6.094 154.79	6.366 161.69	5.75 146.05	3.00 76.20	3-1/2" 88.90
	17-20 25.30-29.76	6.456 163.98	6.538 166.07			
	23-32 34.22-47.62	6.094 154.79	6.366 161.69			
	17-20 25.30-29.76	6.456 163.98	6.538 166.07			
	17-20 25.30-29.76	6.456 163.98	6.538 166.07			

Anchor Catcher Product No. 672