



C-1 ANCHOR CATCHER

PRODUCT 20-033

The C-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 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 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 C-1 Anchor utilizes drag pads 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

Install the Anchor Catcher in the Tubing String just below or above the pump for 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 the 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 pull the C-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 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.



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TECHNICAL DATA

CASING					PRODUCT NUMBER	ANCHOR O.D.		ANCHOR I.D.		EUE THREAD
O.D.	WEIGHT		I.D.			IN	MM	IN	MM	IN / MM
IN / MM	LB / FT	KG / M	IN	MM						
4 1/2 114.3	13.50	20.1	3.920	99.6	20-033-460	3.75	95.25	1.933	49.0	2 3/8 60.3
	11.60	17.3	4.000	101.6						
	10.50	15.6	4.052	102.9						
	9.50	14.1	4.090	103.9						
5 127.0	18.00	26.8	4.276	108.6	20-033-500	4.12	104.6			
	15.00	22.3	4.408	112.0						
	13.00	19.3	4.494	114.1						
	11.50	17.1	4.560	115.8						
5 1/2 139.7	26.00	38.7	4.548	115.5	20-033-550	4.50	114.3	2.44	62.0	2 7/8 73.0
	23.00	34.2	4.670	118.6						
	20.00	29.8	4.778	121.4						
	17.00	25.3	4.892	124.3	20-033-560	4.62	117.3			
	15.50	23.1	4.950	125.7						
	14.00	20.8	5.012	127.3						
6 5/8 168.3	32.00	47.6	5.675	144.1	20-033-650	5.50	139.7			
	28.00	41.7	5.791	147.1						
	24.00	35.7	5.921	150.4						
	20.00	29.8	6.049	153.6						
7 177.8	38.00	56.6	5.920	150.4	20-033-700	5.88	149.4	2.44 2.99	62.0 76.0	2 7/8 73.0 3 1/2 88.9
	35.00	52.1	6.004	152.5						
	32.00	47.6	6.094	154.8						
	29.00	43.2	6.184	157.1						
	26.00	38.7	6.276	159.4	20-033-710					
	23.00	34.2	6.366	161.7						
	20.00	29.8	6.456	164.0						
	17.00	25.3	6.538	166.1						
7 5/8 193.7	39.00	58.0	6.625	168.3	20-033-750	6.25	158.7			
	33.70	50.2	6.765	171.9						
	29.70	44.2	6.875	174.6						
	26.40	39.3	6.969	177.0						
	24.00	35.7	7.025	178.4						
8 5/8 219.1	49.00	72.9	7.511	190.8	20-033-850	7.00	177.8	3.00	76.2	3 1/2 88.9
	44.00	65.5	7.625	193.7						
	40.00	59.5	7.725	196.2						
	36.00	53.6	7.825	198.8						
	32.00	47.6	7.921	201.2						
	28.00	41.7	8.017	203.6						
9 5/8 244.5	47.00	69.9	8.681	220.5	20-033-950	8.25	209.6			
	43.50	64.7	8.755	222.4						
	40.00	59.5	8.835	224.4						
	36.00	53.6	8.921	226.6						
	32.30	48.1	9.001	228.6						

