

RAMCHARGER SETTING TOOL

PRODUCT 10-064

The Ramcharger Setting Tool is used to run and set Cement Retainers and Bridge Plugs on tubing or drill pipe. In addition to its setting function, the Ramcharger functions as a Snap Latch Seal Unit after setting a Cement Retainer.

When used to run a tubing set Bridge Plug, the bottom sub and seal of the Ramcharger is replaced with a cap.

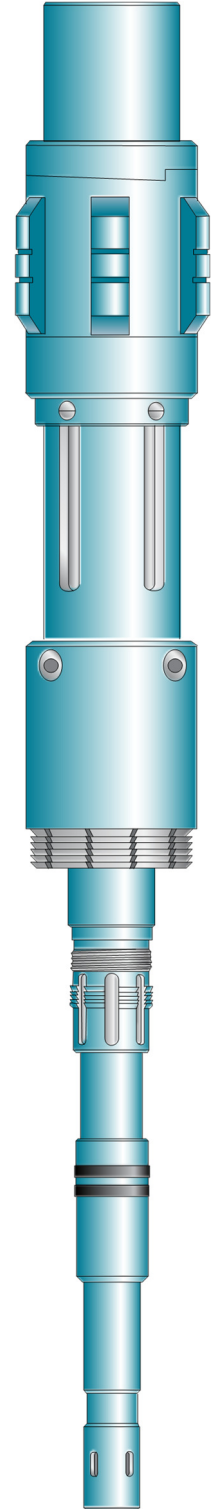
The Ramcharger features a Drag Block Assembly that is superior in reliability and functionality compared to alternative Bow Springs.

OPERATION

At setting depth, rotate the tubing 10 turns to the right, releasing the top slips. Pull tension to set the slips. Additional tension will set and pack off the Cement Retainer. Slack off an equivalent amount of weight and repeat pulling tension to ensure the Retainer/Bridge Plug is securely and fully set.

To release from the Cement Retainer, pick up to close the valve, and while holding slight tension apply 300 to 400 ft/lb of right hand torque to the tubing to shear the rotational lock screws. The latch is disengaged from the retainer with 8 to 10 right hand turns. An alternate method is to rotate 4 to 5 turns to the right and pick up, approximately 10,000 lbs. over tubing weight which allows the Snap Latch to snap out of the retainer.

After releasing, the Ramcharger can be re-latched into the retainer with set down weight and removed with approx. 10,000 lbs. tension.



SPECIFICATIONS

10-064 SPECIFICATION GUIDE													
CASING					TOOL								
O.D.	WEIGHT		Min ID	Max ID	Product Number	Drag Block Col'psd OD	Drag Block Expn'd OD	Min Tension		Max Tension		EUE Thread	
	in/mm	lb/ft						kg/m	in	in	1000 lb	1000 daN	1000 lb
4 1/2 114.3	9.5	13.5	3.920	4.090	10-064-0450	3.81	4.32	20	9.1	30	13.5	2 3/8	60.3
5 127	15	18	4.276	4.408	10-064-0500	4.00	4.63	20	9.1	30	13.5	2 3/8	60.3
	11.5	15	4.408	4.560	10-064-0510	4.00	4.88						
5 1/2 139.7	17	23	4.670	4.892	10-064-0550	4.50	5.13	20	9.1	30	13.5	2 3/8	60.3
	13	17	4.892	5.044	10-064-0560	4.75	5.38						
6 5/8 168.3	28	32	5.675	5.791	10-064-0650	5.50	6.50	20	9.1	30	13.5	2 7/8	73
	20	24	5.921	6.049	10-064-0700	5.88	6.75						
7 177.8	23	38	5.920	6.366	10-064-0700	5.88	6.75	20	9.1	30	13.5	2 7/8	73
	17	23	6.366	6.538	10-064-0710	6.25	7.12						
7 5/8 193.7	33.7	39	6.625	6.765	10-064-0750	6.38	7.30	30	13.4	45	20.0	2 7/8	73
	24	29.7	6.875	7.025	10-064-0760	6.75	7.68						
9 5/8 244.5	47	53.5	8.535	8.681	10-064-0950	8.25	9.12	30	13.4	45	20.0	3 1/2	88.9
	32	43.5	8.755	9.001	10-064-0960	8.63	9.50						