



J-TYPE SNAP LATCH SEAL UNIT

PRODUCT 10-067

The J-Type Mechanical Snap Latch Seal Unit is designed to be used with the D Cement Retainer.

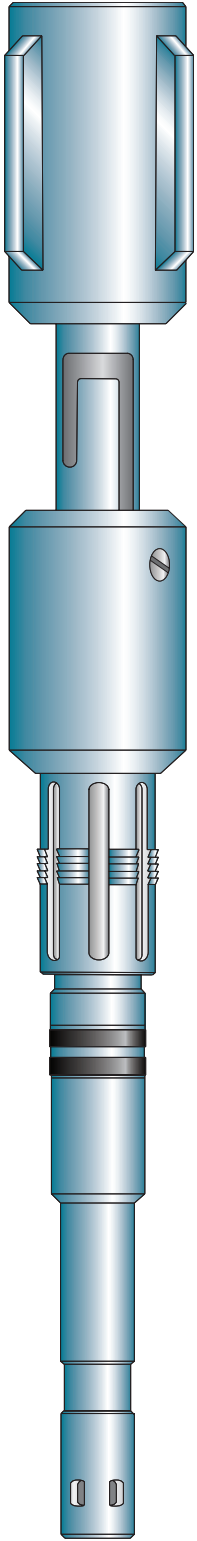
The top sub of the Seal Unit acts as a centralizer to ensure the Snap Latch will locate into the retainer bore, even in deviated wells.

OPERATION

When the Snap Latch Unit enters the retainer the bottom Actuating Mandrel pushes the retainer valve open, and at the same time the Snap Latch Collet collapses into and engages the latch threads in the top of the retainer. The Seal Unit is free to move up and down in the collet, closing and opening the valve. If the tubing is rotated 1/2 turn to the left and picked up, a shoulder on the mandrel locks the collet and anchors the latch in the retainer.

In this position the Seal Unit is still engaged in the retainer bore, and the retainer valve is closed, allowing the tubing string to be pressure tested before squeezing and eliminating the danger of the snap latch releasing.

To release the J Type Mechanical Snap Latch Seal Unit from the retainer it is necessary to release tubing tension and rotate 1/2 turn to the right before picking up, approximately 4,500 daN (10,000 lbs.) over string weight. The force required to do this will decrease after repeated usage, until it stabilizes at approximately 2,200 daN (5,000 lbs.) force over string weight.



TUBING OR CASING O.D. IN/MM	SNAP LATCH PRODUCT	CEMENT RETAINER PRODUCT	RETAINER O.D.		RETAINER SEAL BORE	
			IN	MM	IN	MM
2 7/8 73.0	10-067-0250	20-139-0250	2.220	56.4	1.125	28.6
3 1/2 88.9	10-067-0350	20-139-0350	2.560	65.0		
4 1/2 114.3	10-067-0450	20-139-0450	3.560	90.4	1.375	34.9

