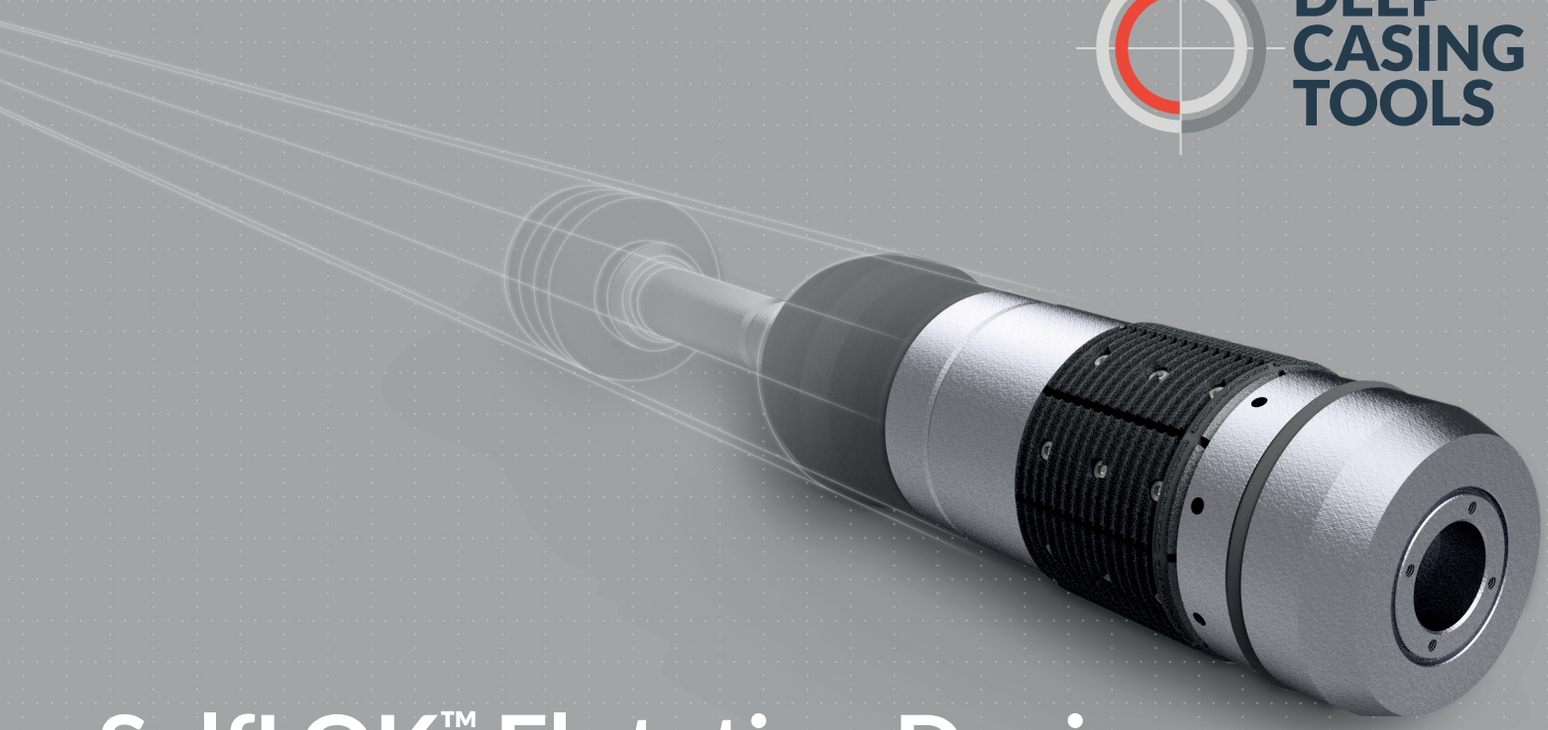
DEEP CASING TOOLS



SelfLOK™ Flotation Device

BOOSTING RECOVERY IN UNCONVENTIONAL ERD WELLS.

SelfLOK™ Flotation Device is designed to help float liners to Target Depth more cost-effectively. It offers users a reduced drag profile and enable long liner strings to be floated to Target Depth in unconventional ERD wells.

The SelfLOK™ Flotation Device adds buoyancy to the liner and, as a result, reduces lateral string weight, and the associated drag forces, to help drive the liner section to Target Depth. This is particulary advantageous when floating liners across long lateral runs in unconventional ERD wells – of the kind commonly found in the US land market.

SelfLOK™ is used to ensure the optimum balance between the vertical fluid weight above the barrier and the lateral buoyancy of the string below. It can be installed in any joint remotely at the rig site, or pre-installed in a pup joint prior to arriving at the rig site.

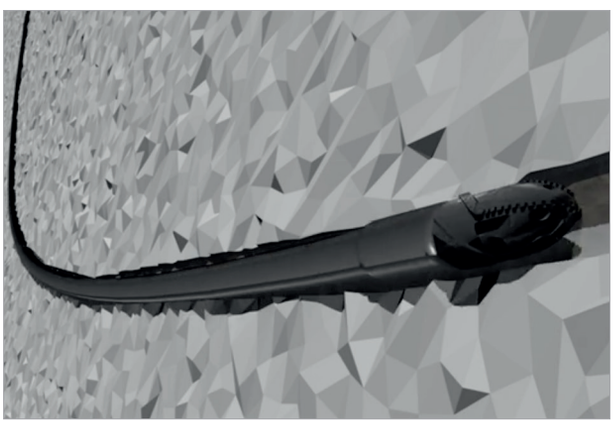
SelfLOK™ integrates seamlessly with existing cementing operations and offers flexibility over release and pump to TD options. There is no ball to drop and being constructed of aluminium ensures SelfLOK is drill/millable in the event of contingency operations.

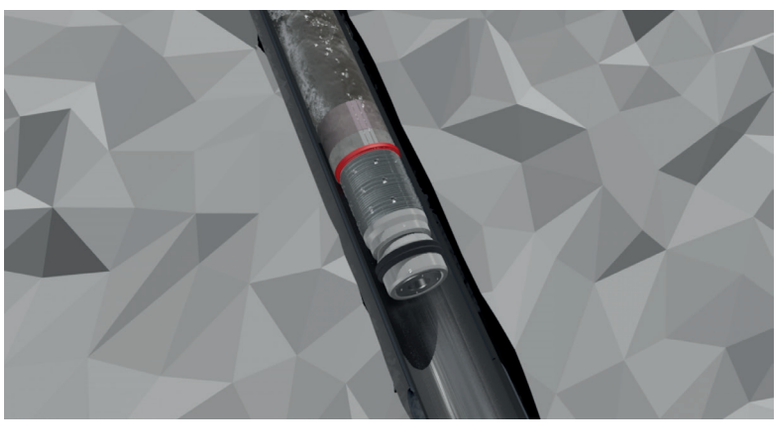
THE BENEFITS

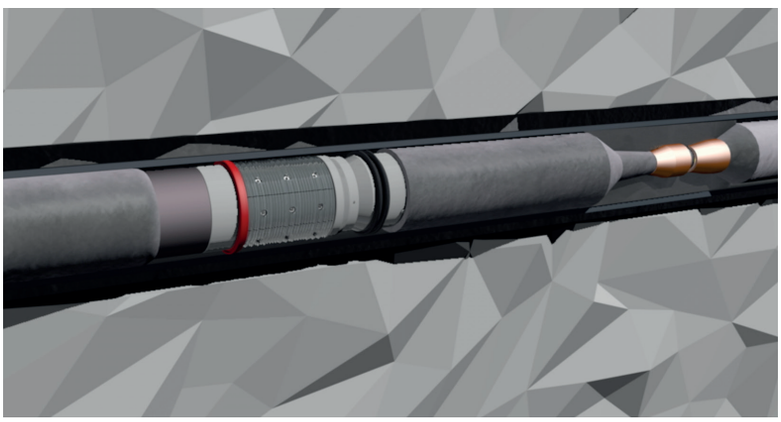
- Can be installed remotely at rig-site in any liner
- Can be pre-installed in pup joints offsite
- No need for dedicated sub
- Seamless integration with existing operations
- Drill/Millable Aluminium construction
- Up to 50% savings on existing technology

“A simple, highly cost-effective solution, SelfLOK™ ensures that you save on rig time, and commence production sooner. It is proven to eliminate costs and ultimately help boost recovery.”

	Tool Specifications	
	Imperial Data Figures	**Metric Data Figures**
Liner Size	5.500”	139.70mm
Liner weight	17.0 & 20.0 lbf/ft	24.8 - 29.2 kg/m
Tool O.D	4.585"	116.45 mm
Tool I.D.	1.340"	34.05mm
Tool Body Length	14.760"	375.00mm
Maximum Operating Temperature	250°F	120°C
Approximate Tool Weight	18.5 lbs	8.4 kg
Internal Yield Pressure	10,000 psi	690 bar
External Collapse Pressure	10,000 psi	690 bar
Max Dart Differential Pressure	5,000 psi	345 bar
Maximum Dog Leg of Tool	30° /100ft	30° /30m
Body material	Al Alloy	Al Alloy







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