

The WellDrone® Stroker2.0

Modular, high-expansion anchors, high-force actuator, real-time feedback and dynamic autonomous control. Stroker2.0 is the next generation of downhole linear actuation.



**IKM Well
Services AS**

The WellDrone® Stroker2.0 houses a number of innovative game-changing features.

The Actuator at the bottom of the Stroker is capable of exerting a bi-directional force along its 20" stroke. Various versions with single or dual anchors, electrical and hydraulic feedthrough options are available on request. Open Architecture design enables use of multiple Anchor modules for more grip if required.

PRODUCT APPLICATION

The IKM WellDrone Stroker2.0 is used as a mechanical platform to perform a variety of operations related to mechanical manipulation of downhole equipment such as:

- Pulling of Retrievable Plugs, Packers & Straddles
- Manipulation of Sliding Sleeves & Downhole Valves

Features & specifications:

PRODUCT FEATURES

- Open Architecture System
- Modular Anchors & Adaptive Anchoring Mechanism
- Independent Control over the Anchor(s) and the Actuator
- Stroker force is independent of hydrostatic pressure in the well
- Hydraulic feedthrough
- Electric feedthrough

The IKM WellDrone® Stroker2.0 is part of our fleet of Electro-mechanical & Hydraulic tools such as the IKM Circulation & Collection and the IKM Mill. It can be deployed with the IKM WellDrone® 2.0 by standard Wireline e-line service.

TECHNICAL SPECIFICATION

(SPECIFICATIONS & PERFORMANCE)

Tool OD		3 1/8	in
Stroker W/One Anchor	Length*	8,5	ft
	Weight	260	lb
Max. Operating Pressure**		16	ksi
Max. Operating Temperature		350	°F
Service		Standard (No H ₂ S)	
Maximum Fishing Tension		40	klbf
Maximum Compressive Strength		50	klbf
Anchoring Range*		Min ID	3.74 in
		Max ID	6.61 in
Max Actuator Pulling Force		35	klbf
Max Actuator Pushing Force		45	klbf
Max Stroke Length		20	in
Linear movement resolution		tba	
Electrical feedthrough		Yes	
Actuator mech/el interface		Various	

*Depending configuration
**20ksi design