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LRS FS250

LargeRotoSonic FS250



The LargeRotoSonic hosts the LS 50K, with simultaneous vibration and rotation, so the full Sonic force is utilized which enables you to reach greater depths. This drilling rig offers state of the art technology and designed to face the most challenging project conditions in the world.

- Possibility to drill even deeper
- Larger diameter high quality samples
- Fully automated rod or casing handler
- Triple floatable clamp
- Safe and ergonomic working method

Description

The LargeRotoSonic hosts the LS 50K, with simultaneous vibration and rotation, so the full Sonic force is utilized which enables you to reach greater depths. This drilling rig contains state of the art technology and is designed to face the most challenging project conditions in the world. Our LRS is extremely strong thanks to the true 150 Hz frequency. We can reach depths of 300 meters or 984 feet, with larger drill pipes and high-quality samples with a larger diameter at a higher rate per day.

When implementing the LRS you have larger drill pipes at your disposal. Also, it is possible to take larger diameter high quality samples at a higher rate per day: all aspects that make the LRS suited for a variety of special projects. From Geo-technical drilling to Sonic sampling for mining and mineral exploration, the LRS makes the difference.

With safety features as the fully automated rod or casing handler and triple floatable clamp, the LRS also provides a safe and ergonomic working method. We can also offer many personalized options. For all specifications, please download the specifications sheet.

Options available:

- SPT auto drop hammer with blow counter on control panel
- Casing lifter mounted on break out clamp 200 kN / 45000 lbs, stroke 300 mm / 12"
- Pneumatic separators among different rod layers
- Duplex mud pump 570 liter @ 45 bar / 150 gallon @ 652 PSI
- Steel tracks
- Swivel for liquid, foam or air; 35 bar/ 507 PSI
- Triple floatable clamp
- Rotatable jib with second winch

If you have any questions, don't hesitate to contact one of our specialists.

Specifications

LRS FS250	
LargeSonic (50k) drillhead	Including tilt frame
Sonic output force	50.000 lbs
Max. Frequency	0-150 Hz
Rotation torque clockwise	5.250 ft-lb @ 0-140 RPM
Rotation torque counter clockwise	7.000 ft-lb @ 0-140 RPM
Working lights	Included
Mast dump	47.2 In (1,200 mm)
Pull up	120 kN
Pull down	80 kN
Pull up & down speed	148 feet (45 meter)/minute
Double hydraulic break out clamp	2.36 - 13.8 inches (60 - 350 millimeter)
Adjustable clamping force	250 kN
Break out torque	78 kNm

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