



SONIC HEADS

Product Overview

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FULL-SIZE SONIC HEAD

The full-size sonic drill head is the most advanced and reliable head on the market with proven durability. Internal auto-shutdown mechanisms protect against damage, while premium parts and advanced designs extend and enhance performance.

	Metric	U.S.
Dimensions	28 in (72 cm) W x 30 in (76 cm) H x 33 in (84 cm) D	
Vibration Motors	Fix displacement piston motors	
Frequency range	0-150 Hz	
Output Force @ 150 Hz	222 kN	50,000 lbs
Rotation Motor	Charl-Lynn Gerotor hydraulic motor - reversible	
Max Torque @ 3,000 psi	3,660 Nm	2,700 ft/lbs
Rotation Speed	0-70 RPM	



MINI SONIC HEAD

The mini sonic drill head is a simple design and built with premium parts which increases intervals between rebuilds. The head is capable of horizontal drilling and features improved water swivel seals. There are currently more than 50 mini sonic heads drilling in the field.

	Metric	U.S.
Dimensions	40 in (102 cm) W x 40 in (102 cm) H x 26 in (66 cm) D	
Vibration Motors	Fix displacement piston motors	
Frequency range	0-75 Hz	
Output Force @ 75 Hz	182 kN	41,000 lbs
Maximum Torque	2,400 Nm	1,700 ft/lbs
Rotation Speed	0-80 RPM	



CORING HEAD

A coring head can be mounted directly to the sonic head to allow diamond coring through hard formations including bedrock. This head installs in a couple of hours, does not lose torque like gear box style coring heads, and the use of helical gears makes it quiet.

	Metric	U.S.
Dimensions	15 in (38 cm) W x 21.25 in (53.98 cm) H x 18.75 in (47.63 cm) D	
Max Torque @ 3,000 psi	755 Nm	557 ftlb
Rotation Speed	0-1,000 RPM	

