

S-27 SONIC DRILL



**Geo /
Environmental**



Seismic

Geothermal



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*Get there, drill the hole quickly,
collect the samples, install the casing —
all with no spoil — and leave almost no signs
that you were there!*

Large casing, large samples...no spoil



Rubber-tracked S-27 Sonic Rigs

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CRS or CS: match the right sonic head technology with your lithology

- Engineered to maximize Sonic Head performance through fully-engineered hydraulics, not adapted from existing direct-push or auger platforms
- Rooted in more Compact-Sonic & Compact-Roto-Sonic manufacturing experience than anyone else in the U.S.
- The wide rubber tracks leave less of a footprint than the average human, assuring that site disturbance is minimized
- The optional 360-degree rotational base allows for multiple borings without a rig move, both vertically or at an angle
- The 3 x 5 x 7 Core & Case system maximizes the Compact-Roto-Sonic Head's ability to get the job done in both overburden & rock
- The AquaLock sediment sampler retrieves overburden soil cores in either competent or silty/ soupy formations like flowing sands & industrially derived by-products

Tilting Head

The Compact-Roto-Sonic (CRS) Head shifts to the Helpers side allowing access to the open casing. The Head also tilts up to 60-degrees to aid in tool handling & sample extraction either into a bag or liner.



Rod Clamp

The hydraulic Mast Dump allows for 36-inches of vertical adjustment, while the hydraulic Double-Rod-Clamp makes & breaks tool joints safely without hands or wrenches, both vertically or at an angle. The standard Clamp holds up to 8-3/4-inches, larger clamping capacity is available upon request.



HEAD TYPE	FEED SYSTEM	PULLDOWN FORCE	RETRACT FORCE	HOIST OPTIONS	60-DEGREE HEAD TILT	FLOATING SPINDLE	DOUBLE HYDRAULIC ROD CLAMPS	STANDARD WATER PUMP OPTIONS
Compact Roto-Sonic	Cylinder Assisted Chain	12,000 Pounds*	12,000 Pounds*	2,000 Pound Capacity	Yes	Yes	Standard	30 gpm & 700 psi** 4 gpm & 3,000 psi 3L4 & 3L6
Compact Sonic	Motor & Chain	7,000 Pounds	7,000 Pounds	1,000 Pound Capacity or 2,000 Pound Capacity	Not Available	Yes	Standard	4 gpm & 3,000 psi 3L4 & 3L6

* Optional Feed Systems available upon request.

** Optional High-Pressure x Larger-Volume Pumps available upon request

CARRIER TYPE	Wide Rubber Track	4 x 2 Cab & Chassis
TYPICAL TRAVEL HEIGHT	9-1/2 feet (2.9m)	10-1/2 feet (3.12m)
TYPICAL TRAVEL WIDTH	7-1/2 feet (2.3m)	8 feet (2.44m)
AVERAGE TRAVEL WEIGHT WITHOUT TOOLS	21,000 Pounds 9.5 Metric Tons	24,000 Pounds 10.9 Metric Tons
FEED STROKE LENGTH	10 feet (3m), 12 feet (3.7m)	10 feet (3m), 12 feet (3.7m)
360-DEGREE RIG BASE ROTATION	Yes	Not Available
FULLY-ENCLOSED STAINLESS STEEL STANDARD CONTROL GROUP	Mounted: Left Rear Joy-Stick & Electric Hydraulic	Mounted: Left Rear Joy-Stick & Electric Hydraulic
REMOTE CONTROL SYSTEM AVAILABLE	Undercarriage only or Undercarriage & Rig Function	Not Available
FULLY-ENCLOSED HYDRAULIC STABILIZING JACKS	Four Corner-Mounted 36" Stroke x Full-Swivel Type Standard	Four Corner-Mounted 36" Stroke x Full-Swivel Type Standard
AVERAGE ON-BOARD WATER TANK CAPACITY	50 Gallons (189.3 L)	250 Gallons (946.4 L)



Wide rubber tracks get you on site with a small footprint, advance 6" (152mm), 8" (203mm) or even 10" (254mm) casing in overburden & rock, collect continuous samples efficiently, install wells, loops or injection points with little or no spoil. Manufactured & serviced from one source, your source for sonic, USExploration Equipment Company.

www.useeco.net

Member of NGWA, NDA, CGA & NJGWA



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