



SDC550-18



The **SDC550-18** crawler drill rig offers the full performance of a larger Sonic drill rig but in a compact and agile model. This rig is designed to handle short length casings and is ideal for maneuvering through sites with poor ground conditions and space limitations. The SDC550-18 is available with a full 360° slew (swing) drive, 4 foot tower slide and automated rod handler. Sonic drilling also offers outstanding performance in geothermal installations and core sampling applications.

SONIC DRILL CORPORATION
WORLD-LEADING DESIGNER AND MANUFACTURER OF SONIC DRILL RIGS



SPECIFICATIONS

POWER SOURCE: Skid Mounted, Caterpillar Engine Model C7, 250 HP @ 1850 RPM, EPA/CARB Tier 3, Hydraulic Oil Cooler, Engine Management System (EMS) Panel, Clutched 3 Pad Pump Drive

Note: Optional 275 HP model also available

RIG DECK: (4) 4" x 30" Jacklegs w/ Counter Balance Valve, (4) Jackleg Covers, Formed & Reinforced Deck Skin, Tubular & Channel Framework, Anti-Slip Surface

DRILLING MAST: Single Tube Construction, 18 FT Head Travel, 28 FT - 2" Overall Length, Hydraulic Cylinder/Chain Driven System, Trolley, Spring Chain Take-up, Chain Tension Equalizer, Fully Enclosed, Pullback: 24,000 LBS, Pulldown: 16,000 LBS, Max Casing Length 15 FT

JIB HOIST: Main Hoisting Winch, 4,000 LBS Capacity (Bare Drum), 72 FPM, 3/8" x 157 FT Non-Rotating Cable, Swing Cylinder (Jib Swing Interlock & Auto Stop Options also available)

WATER PUMP: FMC L1122-D Triplex Piston Pump, 75 GPM, 1000 PSI, Direct Coupled Hydraulic Motor, Coupling Guard, 2" Camlock w/ Dust Cap, PRV (Other Pump sizes available)

HYDRAULIC SYSTEM: Hydrostatic Circuit 4500 PSI, Pilot Control, Micro Feed, Float Up/Down, Holdback, High/Low Speed Feed Load Sense, Cold Start, Reservoir Capacity 120 Gal.

SONIC HEAD: Model **SONICOR 50K**, Hydraulic 90 Degree Tilting Cylinders

HOSE CARRIER SYSTEM: High Pressure Hydraulic Tubing

CONTROL CONSOLE / SWING ARM: 90° Swing, Compact Lightweight Construction, Ergonomic Configuration, Hinged Gas Dampened Door, Laser-Cut Aluminum Anodized Face Plate, Key Start, Remote Throttle, Digital Tachometer, Pilot Control Valves & Illuminated Console

CRAWLER BASE: CAT Crawler Model 312C (Optional Slew Bearing & Drive Package), Steel Triple Grouser 20" STD (Optional Rubber Tracks), Pendant Control With Cable is Standard (Optional Wireless Radio Transmitter)

BREAKOUT TABLE: BTC-28 Open C-Clamp Table, Clamping Range: 2 1/2"-8 5/8" Vee-Groove Hardened Inserts

Ask about model SDC550-28, our full size crawler with 28 FT head travel mounted on a 315 CL crawler base.

- Sonic Drill Corporation originated sonic drilling technology and introduced the concept to the drilling industry
- Our equipment is the result of over 25 years of extensive research and development
- We have a solid history of real world testing with machines in daily operation around the world in a variety of applications

OPTIONS

ROD BOX: Stores (12) 4 1/2" O.D. x 10 FT Rods

DECK BOXES: 2 FT, 4 FT & custom sizes available

ROD SPINNER: 2 1/2"-6", Anti-Torque Arm, Suspension Arm

REMOTE CLUTCH LEVER: Located in Console

HOT WATER HEATER: 6 GPM, 3000 PSI, 150°F, 420,000 Btu/Hr

PRESSURE WASHER (HYDRAULIC): Many models available

PIPE GUIDES: Sizes 4" through 12"

HYDRAULIC OIL COOLER: 135,000 Btu/Hr @ 35 GPM

ANGLE DRILLING MAST (TOWER SLIDE): 4 FT Total

WINCH ASSEMBLY: 12,000 LBS

EMERGENCY STOP PULL CORD SYSTEM: Meets CE Standard for European Compliance

AUTOMATIC GREASING SYSTEM: Air Operated System, Lubricates Over 70 Points, Manual Pump Option Available

WATER STORAGE TANK: 132 Gal. Cap, Mounts Between Crawler Tracks, Not Available on Slew Bearing Units

FAST FILL SYSTEM: For Diesel Fuel, Hydraulic Oil & Engine Oil Extraction

BTC-412 BREAKOUT TABLE: Clamping Range 4 1/2"-12 3/4", Vee-Groove Hardened Inserts

RH/LH TORQUE REVERSAL

POWERED TOWER LOCKS

AUTOMATIC ROD HANDLER

TRUCK / SKID / CRAWLER MOUNTING

Contact a representative for a complete options list

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*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

The SONIC DRILL CORPORATION is the world leader in the design and manufacturing of sonic drill heads, rigs and tooling. Our patented technology has won four prestigious awards and our sonic rigs are in use on six continents and in every application imaginable.



For more information, please:
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