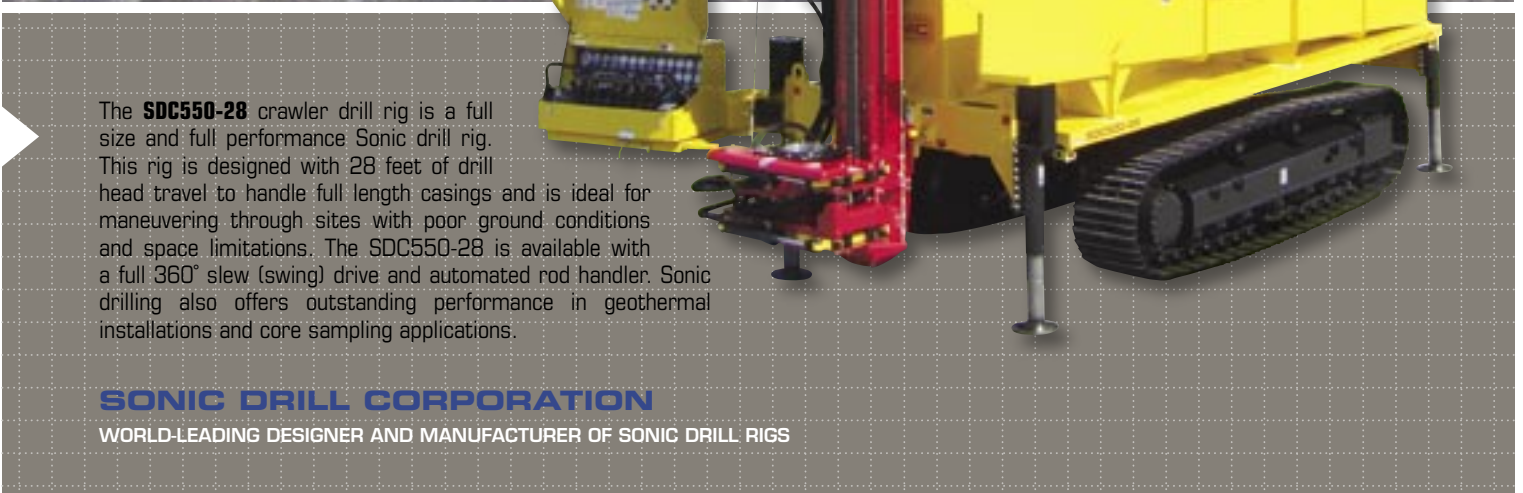




SDC550-28



The **SDC550-28** crawler drill rig is a full size and full performance Sonic drill rig. This rig is designed with 28 feet of drill head travel to handle full length casings and is ideal for maneuvering through sites with poor ground conditions and space limitations. The SDC550-28 is available with a full 360° slew (swing) drive 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 36" Jacklegs w/ Counter Balance Valve, (4) Jackleg Covers, Formed & Reinforced Deck Skin, Tubular & Channel Framework, Anti-Slip Surface

**DRILLING MAST:** Single Tube Construction, 28 FT Head Travel, 38 FT 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 20 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 315CL (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 SDC550-18, our compact crawler with 18 FT head travel mounted on a 312 C 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 20 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

SDC550-28

\*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

Sonic Drill Corporation is the world leader in the design and manufacture of Sonic drill rigs as well as rig conversions, options and drill tooling.

For more information, visit our website at [www.sonic-drill.com](http://www.sonic-drill.com) or contact us at +1 604 725 1725, toll free (in North America) +1 877 854 1383.

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