

# GTD GT25

GEOTHERMAL & WATER WELL DRILL RIG



## GTD GT25 DRILL RIG

The **GT series of drill rigs** are known for their **high productivity** and **reliability** in geothermal drilling, with **proven performance** in both domestic and commercial applications around the world. These rigs are the **number one choice** for **leading industry professionals**, thanks to their **versatility** and ability to handle a variety of drilling conditions with **precision** and **efficiency**.

The **GT25 model** is designed to reach **depths beyond 1,000 feet (300 meters)** using **mud, air, and hammer** drilling methods. It is equipped with our unique **rod rack and loading system**, which is the most **robust, reliable, and safest rod handling system** on the market, ensuring **maximum safety** and **efficiency** in all drilling operations.

### DIMENSIONS & WEIGHT

- ▶ Length 32' 2" (9.8 m)
- ▶ Width 7' 4" (2.3 m)
- ▶ Height 8' 6" (2.6 m)
- ▶ Weight 30,000 lbs - 38,500 lbs (13,500 kg - 17,500 kg)  
Actual weight will vary depending on the options selected and installed, e.g. Rods/Pipe...

### DERRICK & FEED SYSTEM

- ▶ 24,250 lbs (11,000 kg) pull-back
- ▶ 11,000 lbs (5,000 kg) push-down
- ▶ 18' (5.5 m) top head stroke

### DRILL PIPE & CASING

- ▶ 3½" (88.9 mm) x 5 m (or 15')
- ▶ 40 rod capacity - 200 m (or 600')
- ▶ Max diameter 11" (280 mm)

### ENGINE

- ▶ Doosan DL06 Tier 4 (Stage 5)
- ▶ 192 hp (141.2 kW)

### ROTARY DRILL HEAD

- ▶ Variable twin Eaton motor head with 2" (60 mm) thru-hole
- ▶ 0-100rpm @ 6195 lb-ft
- ▶ 0-200rpm @ 3097 lb-ft

### CRAWLER (TRACK) BASE

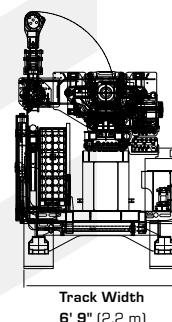
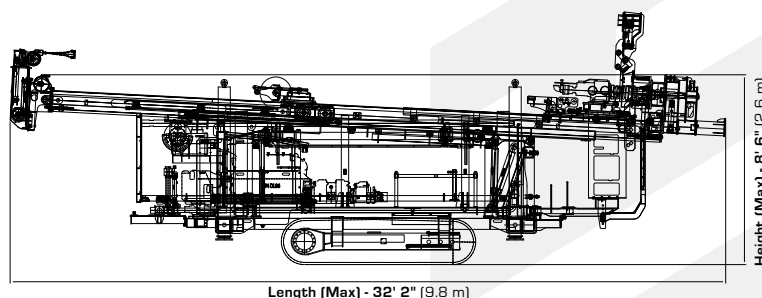
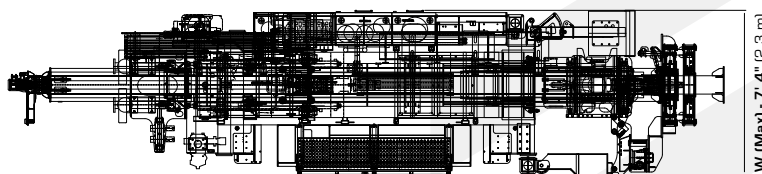
- ▶ Doosan Solar 55
- ▶ Steel with rubber pads
- ▶ Wireless remote travel

### GTD STANDARD FEATURES

- ▶ Sideshift - Sliding Drill Head
- ▶ Swivel & Floating Spindle Sub
- ▶ Height adjustable working table
- ▶ Double Clamps - One rotating
- ▶ Hydraulic Centralizing Rollers
- ▶ Hydraulic Breakout Chain Wrench
- ▶ Auxiliary Hydraulic Ports and Controls
- ▶ Main Winch
- ▶ Water Injection Mist Pump
- ▶ DTH Lube System
- ▶ Rod Rack & Rod Loader
- ▶ Self Loading Jacks/ Outriggers

### OPTIONS

- |   |   |
|---|---|
| <input type="checkbox"/> Triple Clamps - One rotating   | <input type="checkbox"/> Wire/Sandline Winch          |
| <input type="checkbox"/> Air Compressor:<br>24 cfm (673 lpm), 130 psi (9 bar)                 | <input type="checkbox"/> Safety Cage                  |
| <input type="checkbox"/> 4x5 Triplex Piston Pump:<br>211 gpm @ 500 psi (800 lpm @ 35 bar)     | <input type="checkbox"/> Angled Drilling              |
| <input type="checkbox"/> Caprari Centrifugal Pump:<br>3x2.5x11 Multi-stage - 230 psi (16 bar) | <input type="checkbox"/> Hydraulic Sliding Rod Wrench |





**GTD GT25 DRILL RIG**



**ROD LOADER**



**ROD RACK SYSTEM**



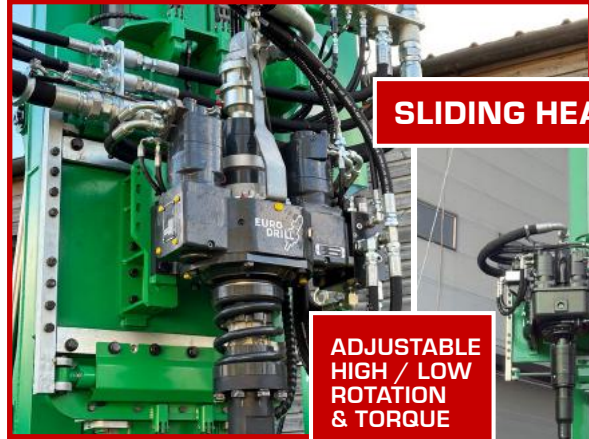
**OPERATED BY THE LEAD DRILLER, SECOND MAN OR BOTH ON DUAL CONTROLS**



**HEIGHT ADJUSTABLE WORKING TABLE**

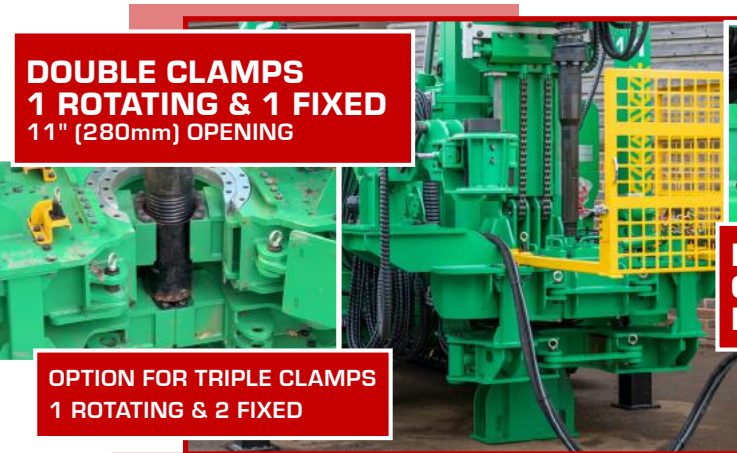
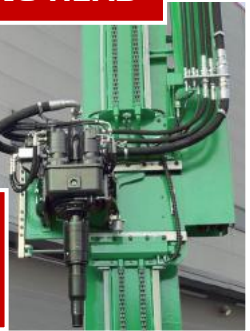


**CAN BE USED AS A CASING EXTRACTOR**



**SLIDING HEAD**

**ADJUSTABLE HIGH / LOW ROTATION & TORQUE**



**DOUBLE CLAMPS  
1 ROTATING & 1 FIXED  
11" (280mm) OPENING**

**OPTION FOR TRIPLE CLAMPS  
1 ROTATING & 2 FIXED**



**HYDRAULIC CENTRALIZING ROLLERS**



**HYDRAULIC SLIDING ROD WRENCH (OPTION)**



**STEEL TRACKS WITH RUBBER PADS**



**REMOTE CONTROL**



**SELF LOADING**

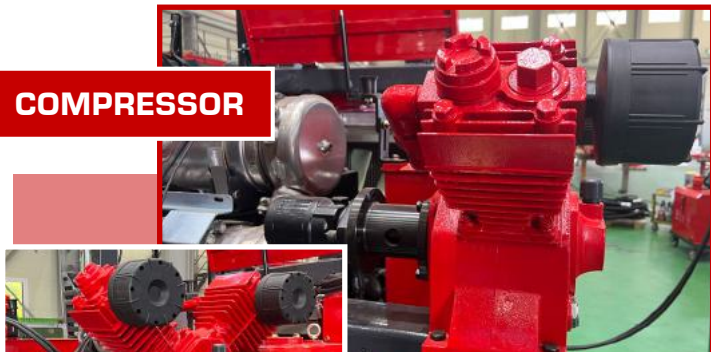
**ANGLED DRILLING**

**4 x HYDRAULIC LEGS TO LIFT & LEVEL THE RIG**



## GTD GT25 DRILL RIG

**COMPRESSOR**



USEFUL FOR PNEUMATIC TOOLS,  
PRIMING CENTRIFUGAL PUMPS,  
CLEARING HOSES/PUMPS, ETC.  
(PREVENTS COLD WEATHER OVER NIGHT FREEZING)

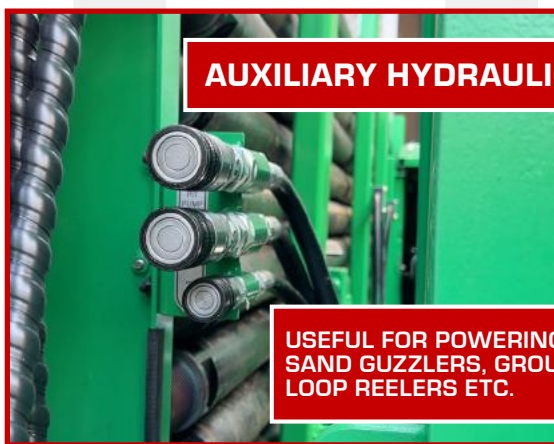
**MAIN WINCH  
ROTATING 90°  
AND EXTENDS**



**SAFETY CAGE**  
(OPTIONS AVAILABLE)



**AUXILIARY HYDRAULICS**



USEFUL FOR POWERING  
SAND GUZZLERS, GROUTERS,  
LOOP REELERS ETC.

**TRIPLEX MIST PUMP  
FOR AIR DRILLING &  
PRESSURE WASHER**



...4x3x11 CENTRIFUGAL  
4x3x13 CENTRIFUGAL

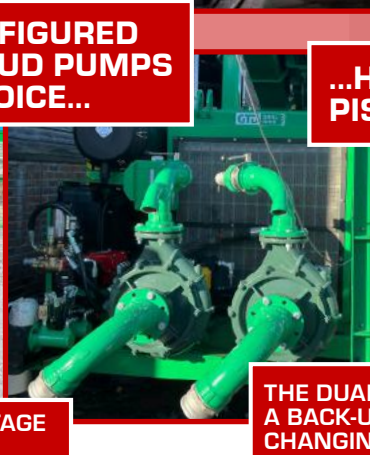


**CAN BE CONFIGURED  
FOR DUAL MUD PUMPS  
OF YOUR CHOICE...**

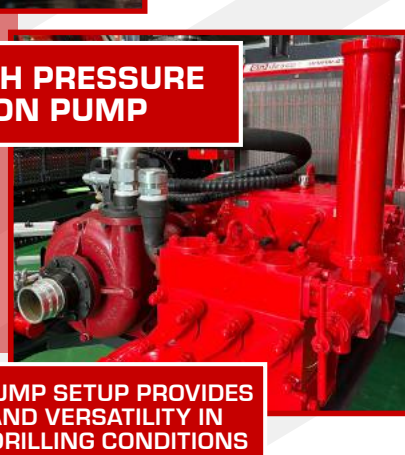
**...HIGH PRESSURE  
PISTON PUMP**



SINGLE OR MULTI STAGE  
CONFIGURATIONS

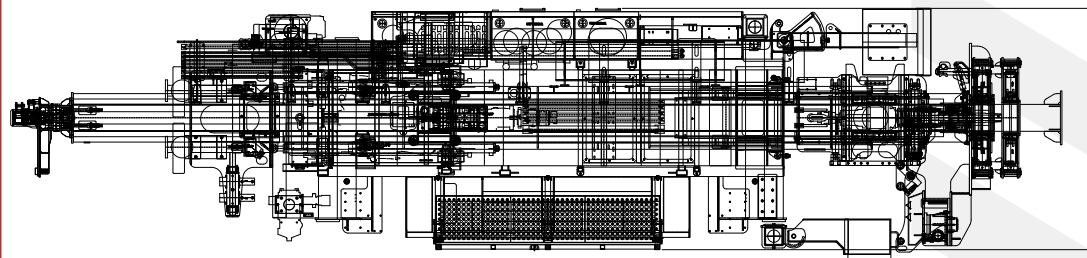


THE DUAL PUMP SETUP PROVIDES  
A BACK-UP AND VERSATILITY IN  
CHANGING DRILLING CONDITIONS

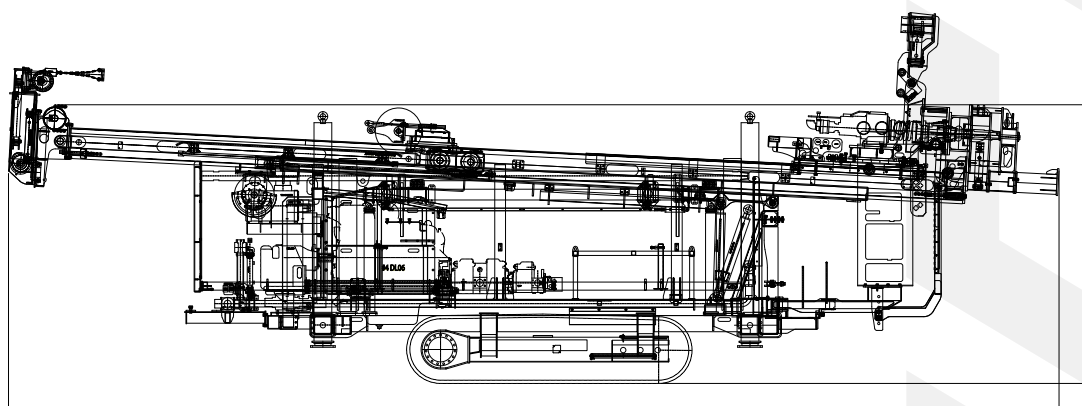




**GTD GT25 DRILL RIG**

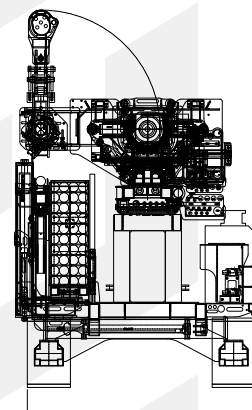


W (Max) - 7' 4" (2.3 m)



Length (Max) - 32' 2" (9.8 m)

Height (Max) - 8' 6" (2.6 m)



Track Width  
6' 9" (2.2 m)

**DIMENSIONS**

NOTE: THE MEASUREMENTS ABOVE ARE THE BASE DIMENSIONS WHICH MAY BE SUBJECT TO VARIATION DEPENDENT ON FINAL DESIGN SPECIFICATIONS.



**SCAN TO WATCH A GTD RIG BREAKING RECORDS**



**574** FT  
(175M)  
**BOREHOLE  
DRILLED  
IN 54 MINS**

**\* DON'T BASE YOUR  
DECISION ON SPECS  
ALONE, COME & SEE  
THE RIG IN ACTION...**

**GET IN TOUCH AT  
INFO@GTD-DESCO.COM**



**13,550** FT  
(4,130M)  
DRILLED, LOOPS INSTALLED & GROUTED  
**IN ONE WEEK  
WITH ONE RIG**

**SCAN TO WATCH AN INTERNATIONAL GTD CUSTOMER BREAKING RECORDS IN HOLLAND**