

# DRILLMAN

Geo-Technical Drill - GT20

- ▶ Rig Service
  - ▶ Rig Rebuilds
  - ▶ New Drill Rigs
  - ▶ 3rd. Party Safety Inspect
  - ▶ Mine Spec Upgrades
  - ▶ Ancillary Drilling Equipment
- [www.drillman.com.au](http://www.drillman.com.au)

GROUP  
Holdings



GEO-TECHNICAL DRILL-GT20

# Geo-Technical Drill - **GT20**

The GT20 is the next model in the proven GT Series, features a powerful Kohler Tier III diesel engine which delivers more performance and drilling depth, whilst still being able to be fitted onto any platform from 4WD ute, trailer, and track base. With our in-house engineering and extensive history in design and build of drill rigs, we can customise any part of the build to suit your specific requirements. Below is our standard specification to get you started, however please contact us if you have specific project requirements and we will include these in the design of your new rig.

## GT20 TECHNICAL INFORMATION (Standard Build)

DRILLING DEPTH GUIDELINES	HOLE DEPTH METERS (Nominal minimum)
AUGER DRILLING	20m @ 150mm Dia, 25m @ 100mm Dia
ENGINE SPECIFICATIONS	TYPE
MODEL	Kohler Tier III
HORSE POWER	25.5HP
FUEL TYPE	Diesel
FUEL CONSUMPTION	6.7 L/hr - 3600 rpm
FUEL TANK CAPACITY	10L
IGNITION SYSTEM	Electric start
ELECTRICAL CIRCUIT	12V
SHUT DOWN PROTECTION	High engine temperature, low oil pressure
ROTATION HEAD	PLANETARY DRIVE HYDRAULIC DRILL HEAD
LOW GEAR	1650nm/100rpm with 2 inch round output shaft
TOP DRIVE FLANGE	Universal joint sub adapter included 2" - 1 1/8 hex
HYDRAULIC SYSTEM	TYPE
PRIMARY PUMP	Gear pump 14cc
MAXIMUM FLOW	50L/min @3600rpm
MAXIMUM PRESSURE	180 bar
SECONDARY PUMP	Gear pump 11cc
MAXIMUM FLOW	39.5L/min @3500rpm
MAXIMUM PRESSURE	180 bar
OIL TANK CAPACITY	90L
DRILL MAST	
MAST	Mast 4.2m overall
	Rotation head traverse 3.1m
	Mast raise cylinder for tilting the mast to fold down the rig when in transit
	Pivot point designed with minimal rear overhang

**GT20 TECHNICAL INFORMATION** (Standard Build)

<b>WINCH</b>	PL1 (500kg) pullmaster winch (optional)
<b>CONTROL PANEL</b>	Pressure gauge / microfeed Emergency stop Hour meter Usb charge point Light switch - rig package (optional) Rig function levers
<b>PULL DOWN/PULL BACK</b>	Direct drive motor to chain and rollers Pull back force - 1900kgs @180 bar
<b>BASE FRAME</b>	Modular and designed for standard ute tray fitment Modular rear stabiliser (jack) bar to suit vehicle
<b>SAFETY</b>	Hose burst protection (optional) Non destructive testing on the mast, mast dump and a frame as standard Rod spin cage as standard, rotation speed interlocks (optional) Engine battery isolation (optional) Safety signage as standard
<b>MANUALS</b>	Operation and maintenance manual as standard
<b>QUALITY</b>	Full build compliance - manufacturing data report (mdr) Documented hydraulic hose register Robust powdercoated finish Factory acceptance testing and handover with recorded results
<b>CRITICAL SPARES</b>	OEM recommended critical spares kit available
<b>LENGTH</b>	L - 2.341m W - 1.596m H - 4.224m
<b>WEIGHT</b>	860kg (wet weight)
<b>RECOMMENDED CARRIER VEHICLE</b>	1T utility with welded hd steel tray, min gvm upgrade of 3.5T
<b>CUSTOM DESIGN</b>	If your project demands specific operational requirements, our in house engineering can design to meet your project needs.

# Geo-Technical Drill - **GT20**

## OPTIONS & UPGRADES

Auto spt hammer - fixed mounted or independently operated

Trailer, or track mounted options

Auger racks

Diesel engine

Jump start receptacles

500kg winch package and controls

Winch remote control upgrade

Custom tool box/cage

Tool cage with optional spare tyre allowance

Led rig lighting package

Auger cage rotation speed interlock

Custom colour scheme

Additional emergency stops

Battery / starter isolators

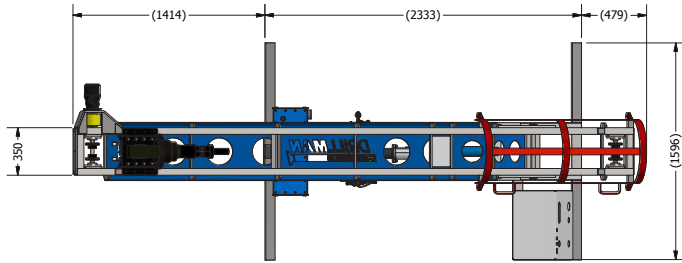
Jerry can holders

Mine spec packages for rig and vehicle available

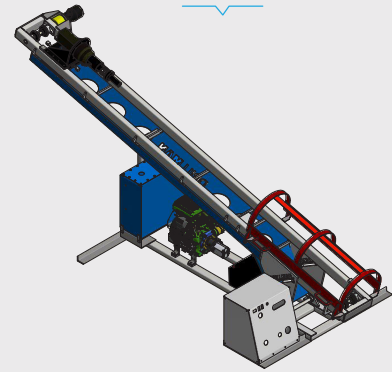
Rear stabiliser leg bar - stabiliser cylinder lengths (optional)



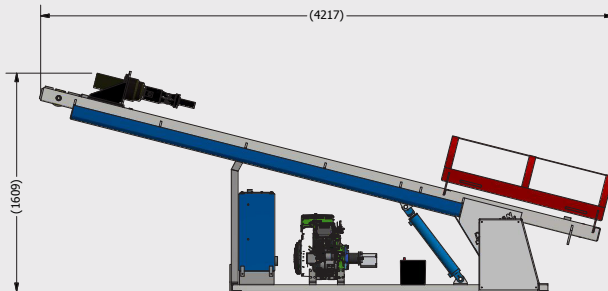
Top View



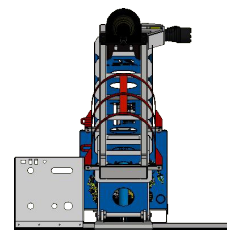
Pictorial View



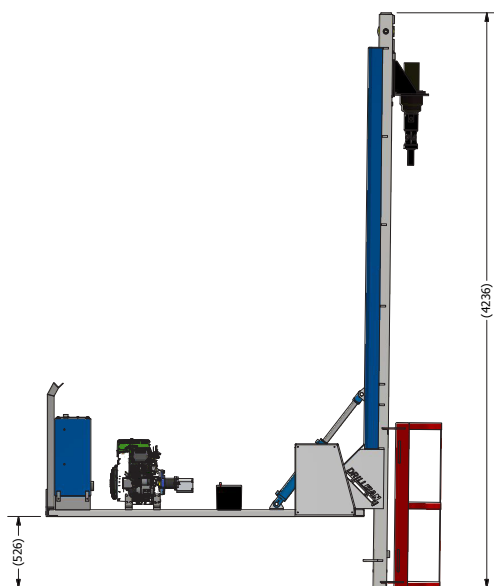
Side View



Rear View



Side View



Rear View





**DRILLMAN**

Contact us today for more information  
Phone 07 5432 4343  
or visit [www.drillman.com.au](http://www.drillman.com.au)