



ELECTRIC TRACKLESS DRILL RIG



GST E-SQTD-LP - TRACKLESS DRILL RIG

Introducing the GST E-SQTD-LP Electric Trackless Drill Rig, a next-generation, zero-emission solution redefining underground mining performance. Built for low-profile drilling operations, this double-boom electric rig combines power, precision, and sustainability.

Engineered for maximum efficiency, safety and cost-effectiveness, the SQTD-LP minimizes noise, heat, and maintenance while delivering unmatched drilling accuracy and productivity. Its innovative electric design reduces downtime and operating costs, making it the ultimate choice for modern mining operations.

GST E-SQTD-LP — Smarter. Cleaner. Stronger.

SAFETY

The SQTD-LP Drill Rig is a safe drilling rig operated from underneath a protective canopy with permanent roof bolt supports. This drilling method places the operator in the safe zone, even when drilling is done in poor ground conditions. The rig's protective canopy is **ROPS and FOPS certified**, with a braking system approved by SANS 1589. Mechanical drilling is safer and requires operating skills rather than physical strength. This method creates a stable rock wall condition, minimizing damage to the hanging wall and ensuring a safer work environment for the drill crew.

EFFICIENCY

- Designed with an electro-hydraulic system, the SQTD-LP ensures ease of operation and on-site servicing, simplifying maintenance tasks and keeping downtime to a minimum.
- Featuring a skid steer mechanism, the drill effortlessly navigates through tight underground spaces, enabling smooth and precise movement without compromising on performance.
- The double booms are equipped with separate hydraulic power sources. This enables the operator to complete rounds with one boom, if the other boom is down.
- The drills unique rollover mechanism makes the SQTD-LP superior when drilling footwall or lifter holes.
- The SQTD-LP's boom range allows it to **drill 1.6 to 3.2 meters high**.
- Same depth, and parallel drilling can now easily be achieved, to ensure effective blasting!

COST EFFECTIVE

- With double booms, drilling speeds are significantly increased. Ensuring that daily advances are met.
- The drill's maintenance schedule ensures repairs are done on time, while on-site serviceability of components drastically reduces downtime, keeping operations running smoothly and efficiently.
- Manufactured locally by GST, the SQTD-LP and its maintainable parts offer reduced lead times, ensuring swift delivery to the site and minimizing delays in operations.
- Because of the SQTD-LP's unique and innovative design, the drill and its serviceable parts are the most cost effective underground drill in the market!

DIMENSIONS

- Height to top of cab: 1,667m
- Total Width: 1,984m
- Minimum total length: 9,748m
- Maximum ground clearance: 190mm

Learn More:




SMARTER. CLEANER. STRONGER.

BATTERY SPECIFICATIONS

• Maximum Voltage	432.00 VDC
• Nominal Voltage	384.00 VDC
• Minimum Voltage (Usable minimum)	300.00 VDC
• Minimum Voltage (Absolute minimum)	290.00 VDC
• Total cells	120
• Module configuration	120s1p
• Total number Modules	3
• Total Banks	1 - IEC Class 3 Isolation
• Nominal A/h	280 Ah
• Total Capacity	107.52 kWh
• Usable Capacity	86.016 kWh
• Fault Current Rating	2.6 kA
• Maximum Discharge Current (60 s)	300.00 A
• Maximum Discharge Power (60 s)	125.00 kW
• Nominal Current	120 A
• Nominal Power	86.016 kW
• Nominal Charging Current	47 A (4-Hour Recharge)
• Maximum Charging Voltage	432.00 VDC
• Cooling Method	None
• Operating Temperatures	0°C to 50°C
• System Functions	State of Charge, HVIL, Fault and Error Reporting, Battery Balancing, CAN Bus Communications
• Minimum Balancing Charge	800 mA
• Safety	Thermal Protection, Over Voltage, Under Voltage, Over Current
• Impact Rating	1G Vertically
• Ingress Protection	IP 55
• Onboard LV Output	Yes - 12V, 60A
• Onboard AC charger	30kW 525VAC (L1-L2-L3)
• Battery Pack Dimensions : L x W x H	826mm x 1026mm x 270mm
• Battery Pack Volume	0.23m ³
• Battery Pack Mass	310 kg
• Total Kit Mas	1400 kg



Electric Vehicle



6m
Operating Distance



Bosch Rexroth
Hydraulic System



ROPS AND FOPS
Certified