



LOW PROFILE TRACKLESS DRILL RIG



GST SQT-D-LP TRACKLESS DRILL RIG

The SQT-D-LP, is a trackless low profile, double boom drill rig. It's main function is to drill shot holes in the rock face. The drill was engineered to be a SAFE, EFFICIENT, and COST effective solution for underground operations. It's true brilliance lies in its unique features, making it the most revolutionary tool in the workplace. Efficiency is optimized through streamlined operations, minimizing downtime and maximizing productivity. And when it comes to cost-effectiveness, the SQT-D-LP stands unrivaled, offering unparalleled performance.

SAFETY

The SQT-D-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 SQT-D-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 SQT-D-LP superior when drilling footwall or lifter holes.
- The SQT-D-LP's boom range, allows it to **drill 1.7m to 4m high and up to 6m wide**.
- 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 SQT-D-LP and its maintainable parts offer reduced lead times, ensuring swift delivery to the site and minimizing delays in operations.
- Because of the SQT-D-LP's unique and innovative design, the drill and it's serviceable parts are the most cost effective underground drill in the market!



»» GENERAL

- Engine (Standard) : Deutz / Td2011L04W
- Engine Power: 85hp-64,6 kW @ 2600rpm
- Fuel Type: Diesel
- Displacement: 3619 cm³
- Cylinder: 4
- Cooling System- Air
- Brakes : Spring Applied Hydraulic Release 4400nm X 2 = 8800nm
- Tires: 12" × 16,5"
- Battery: 12v - 105A
- Speed: 0 - 8,5 km/h
- Maximum Gradeability: 20°
- Operation: Joystick
- Fuel Tank: 40 Liter



1.7m Height
Low Profile
Trackless Drill
Rig

»» HYDRAULIC SYSTEM (BOSCH REXROTH)

- Running Pumps: 45cc + 45cc Tandem Pump 320 bar
- Hydraulic Trimming Tank : 65 Liter
- Hydraulic Power Pack System Tank : 300 Liter



Safe Operating
Distance of
**6m from the
face**

»» DIMENSIONS

- Height to top of cab: 1,614m
- Total length: 11,484m
- Minimum total length: 9,209m
- Maximum ground clearance: 189mm
- Total Width: 2,007m
- Maximum operating width: 6.024m



SANS
Brake Test
Certification

»» PERFORMANCE / POWERPACK (HC25 DRIFTER)

- Percussion Pressure: 150 Bar
- Percussion Flow: 60-65 l/Min
- Rotation Pressure: 140 Bar
- Rotation Flow: 30/37 l/Min
- Impact Power: 9Kw
- Impact Rate: 50-55Hz 3300 - 3900Bpm
- Rotation Speed: 260 Rpm
- Max Rotation Torque: 150 Nm
- Bit Size: 32mm - 55mm
- Power Source: 2 X 30 Kw / 4 Pole / 525v @ 1440 Rpm Electric Motors
- Hydraulic Pumps: 45cc Positive Displacement Piston Pump.
- Gear Pump: 33cc



**ROPS
AND FOPS**
Certified

»» CLIENTS

