

Crawler Drilling Rig (TH and DTH Version)

Pneumatic Crawler Rig, a powerful and high production crawler drill rig, Single Man operative, which is designed for blast-hole production drilling in Quarries, Open Cast Mines and Construction work.

The above crawler rig is specially design to work on Top Hammer and the Down-the-Hole hammer drilling method and can be easily converted with the conversion kit to change the drilling method from down-the-hole to top hammer and vice versa.



TH version (Top Hammer)

The TH version is equipped with the robust Pneumatic Top Hammer with rifle bar rotation model VK-12 Pneumatic Drifter, well known for its simplicity and reliability. Suitable for hole sizes from 48 – 76 mm and depth upto 20 – 40 Meters.

DTH version (Down-the-hole Hammer)

The DTH Version is fitted with powerful piston type rotation motor, Type BBR-4, suitable for Pneumatic 3” and 4” DTH Hammers. Offering a wide selection of drill hole sizes from 85 to 130 mm, and depth upto 40 Meters, which is ideal for bench drilling, anchor drilling, grout hole drilling, etc.

Salient Features

- ▶ The crawler rig is designed with the operator in mind, allowing the operator to see clearly and have access to all main components of the rig.
- ▶ The two independent hydraulic traction motors result in gentle operations for rig setup and provide higher traction force for easy negotiation.
- ▶ The ground clearance of 300 mm and hydraulic track oscillation of 15° helps the Crawler Rig to negotiate on most uneven ground conditions.
- ▶ The de-clutching mechanism is hydraulically operated and disengages the brake in the traction gear for the crawler to be easily towed with another vehicle. The brake is automatically applied when the crawler rig is not in operation.
- ▶ All the controls for moving the positioning are located together on a swing arm for operator convenience and safety, folding operator foot rest, individual check valve mounted on every jack for safety purpose
- ▶ The compact design enables you to carry the rig on a truck over long distance between work sites



Technical Details

TH Version (Top hammer)	
Pneumatic drifter	VK - 12
Hole Diameter	48-76 mm
Drill Steel	R32, R38, T38
Drill Steel Length	3.05 - 3.66 Mtrs
Air consumption	400 CFM @ 6 Bar

DTH Version (Down-The-Hole hammer)	
Rotation Drive Unit	Type BBR-4, Thread - API 2 3/8"
Hole Diameter	85-130 mm
Drill Tube Diameter	70 / 76 / 89 mm
Drill Tube Length	3 Meters
Max. Operating Pressure	12 Bar
Maximum Torque	900 Nm
Air consumption	325 CFM @ 10 Bar
Suitable Hammer	Cop 32, Cop 34 / 34 Q, Cop 44 / 44 Q

Feed Details	
Feed Length	5430 mm
Travelling Length (Drill tube)	3740 mm
Travelling Length (Feed Beam)	900 mm
Feed Force	8 kN

Carrier	
Travelling Speed, max.	2.5 km/h
Travelling Force, max.	18.8 kN
Hill Climbing Ability	30° max
Track Oscillation	± 12°
Ground Clearance	295 mm

Dimension	
Length	5430 mm
Width	1950 mm
Height (Feed Down)	1600 mm
Height (Feed Up)	2680 mm
Weight (Approx)	2850 Kgs

