Wagon Drill (TH and DTH Version)

Vikay Pneumatic Wagon Drill Suitable for Top Hammer and Down the Hole drilling

A robust rubber tyre three wheel pneumatic Wagon Drill, with the option of TH version - Top Hammer and DTH Version - Down-the-hole Hammer, which is an alternative to mechanization of hand held drilling.

The Wagon Drill design for production drilling in open-cast mines and quarry, grouting, anchoring with special shortened mast , used for production drilling in underground mines.

Optional - Conversion Kit to convert TH version to DTH Version and Vice-versa. Drilling Range 48 mm to 155 mm

TH version (Top Hammer)

The TH version of 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 Air 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.

Salient Features

Hydraulic Hand pump for Boom Lift, Mechanical Jack, Pneumatic Power Steering with Tow Bar for Tramming and easy to shift from hole to hole, available in different lengths of Feed Beam viz :

- Open Cast Mines - 5.1 Meter long
- Sand & Lime stone mines - 4.2 Meter long
- Underground Mines - 2.5 Meter long

Technical data

TH Version (Top hammer)		
Pneumatic Drifter	VK - 12	
Hole Diameter	48-76 mm	
Drill Steel	R32, R38, T38	
Drill Steel Length	1.20 Meter, 2.50 Meter, 3 Meter	
Air Consumption	400 cfm @ 7 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 mm	
Drill Tube Length	1.20 Meter, 2.50 Meter, 3 Meter	
Operating Pressure	12 Bar Max.	
Maximum Torque	900 Nm	
Air consumption	450 cfm @ 10.5 Bar	
Suitable Hammer	3", 4" Hammer	
Feed and boom		
Feed type	Chain drive	
Feed length, total	5,430 mm, 4425 mm, 2825 mm	
Travel length	3,940 mm, 2200 mm, 1500 mm	
Feed force	8 kN	1,800 lbf
Boom type	Single section Hand Operated Hyd. Cylinder	
Drill control panel	Side mounted	
Carrier		
Traction type	Pneumatic wheel drive	
Tramming speed	2 km/h Max.	1.3 mph
Traction force	7.8 kN Max.	1,750 lbf
Hill climbing ability	20 degrees	
Track oscillation	N/A	1 feet
Ground clearance	310 mm	
Transport dimensions		
Weight	1,340 kg	2,948 lb
Transport position		
- Length	5,430 mm	17' 9"
- Width	2,100 mm	6' 10"
- Height	1,600 mm	5' 3"

TH Version **DTH Version**

Since Approvement are made from time to time , the illustration and specifications are subject to change without notice.