



MADE IN INDIA

WORLD CLASS QUALITY & PERFORMANCE



ROCK DRILLING SOLUTIONS

SVK ROCK DRILL INDUSTRIES



The Automatic Drill system makes the drilling process easy and effective



RockDrill units are equipped with the AutoDrill Automatic Drilling System. One of the most significant advantages of AutomaticDrill is the fact it makes it a lot easier to learn the specifics of drilling process, thus enabling more efficient use of the machinery.

The direction of drilling is controlled from the display unit. The drilling process starts at half power and reaches the maximum performance gradually and automatically.

The Automatic Drill system immediately reacts to changes in the rock. The system monitors the drilling resistance and when the resistance grows it automatically readjusts the drilling parameters. This feature makes the holes straighter and reduces the drill tool wear.

Due to the Automatic Drill system the drilling efficiency has increased, especially when drilling in fragmented rock. No special professional skill is required anymore to obtain straight holes.

The CANOpen technique used in the RockDrill attachments together with the Automatic Drill system allow various adjustments, such as the fine-tuning of pressure during drilling, automatic stop defined by preset drill depth, various data readouts, remote maintenance, etc. The system is even capable to control itself.

The graphic display of Rock Drill is user-friendly. The angle and depth measuring system is included.



Rock Drill can be also equipped with a video monitoring camera. This allows the remote visual control of the drilling process on graphics display

RD27



The Rock Drill 27 is designed for drilling operations in towns and also for construction of canals and roads with the hole diameter range of 27-45 mm.

Like other units in the Rock Drill range, the 27 model is supplied as ready to use.

Due to its lightweight design, the Rock Drill 27 can be mounted on excavators weighing 14t or more.



Model	: Rock Drill 27
Control	: Automatic
Hole diameter range	: 27-45 mm (Ø) (7/8" tai R25)
Compressor (m3/min.)	: 1.4
Filtration area of dust collector (m2)	: 4.8
Excavator weight Category (tonnes)	: 14 above
Total Weight (kg)	: 1000



ROCK DRILL Advantages

RockDrill represents an absolutely new and innovative drilling concept. It is based on the principle of attaching the unit as an accessory to the excavator, which allows it to use the existing hydraulic system. It takes less than five minutes to change the bucket for the drilling unit.

The benefit of using RockDrill is more than obvious: The same excavator can do different tasks like drilling, excavations, loading, etc. Only one operator is needed to do all this, since all models are equipped with the AutoDrill automatic drilling system.

One RockDrill unit can be used on many excavators, i.e. only the drill attachment is moved from one site to another. With the help of RockDrill it is possible to drill more efficiently due to the wide working radius and the good maneuverability of the excavator. The percussion hour to engine hour ratio is more than 60 %, which is substantially higher than what can be achieved with conventional drilling rigs.

Thanks to its strong steel construction and RockDrill attachments, the excavator can be enabled to move even in the toughest areas.

RockDrill units can also be equipped with a video camera mounted on the excavator's boom, which makes it possible to follow the drilling process from close range.

All models can be equipped with a laser, which allows drilling of all holes at the same depth.

RockDrill series includes two model covering the hole diameters from 32 to 45 mm. The use of the optional rod magazine allows drilling holes up to 29 meters deep. In practice, RockDrill is a real drilling rig equipped with the cabin. RockDrill is also suitable for drilling water and air flushing, both above and below ground level.

SM 200 S



COMPRESSOR



DRIFTER



DUST COLLECTOR



SM 200 S



SM 200 D



DRIFTER



DUST COLLECTOR



COMPRESSOR



APPLICATION

SM 200 is hydraulically operated, excavator mounted splitting and line drilling unit for dimensional stone quarries.

It drills vertical aligned holes with maximum recommended hole diameter of 38 mm (1 1/2") utilizing 19 or 22 mm (3/4" or 7/8") hexagonal drill steels.

All drilling functions can be executed from a remote control box. Thanks to the electronics, there are fewer levers to make it easy to use.

For high efficiency **SM 200** is equipped with two pieces hydraulic top hammer rock drills with antijamming automatics.

The rock drills are mounted on aluminium / iron chain feeds, which are attached to a frame giving 3 150 mm line drilling capacity.

The frame can be rotated 80° vertically and 30° horizontally and extended 200 mm from the ground pin without moving the boom

HD-100



BENEFITS

- ★ **Drills** straighter holes
- ★ **Low positioning time** and low fuel consumption.
- ★ **Capable** of drilling holes just 3" from the ground of the hole.

COMPONENTS

- Dust collector(Optional)
- Remote control (RC) on touch screen control
- Rotation unit designed for rock drilling application
- Feed unit.



THE DRILL DESIGN FOR THE DIMENSION STONE INDUSTRY. IT IS CAPABLE OF DRILLING VERTICAL AND HORIZONTAL HOLES THAT ENABLE WIRE CUTTING.

HD-100



HAMMERS & HOLE RANGE

	Metric	Imperial
DTH Hammer	76 – 105	3 – 4"
Drill pipe Diameter	76 mm	3"
Length	2 m	6.6 ft

FEED

	Metric	Imperial
Feed extension	800 mm	
Feed force, max		
Tractive pull, max		
Total length	4000 mm	
Travel length	2150 mm	

CONTROL SYSTEM

- ★ Electronically controlled
- ★ Remote Control (RC)
- ★ Drilling low start concerning feed, rotation and percussion

DRINLLING UNIT

- ★ Oil cooling system
- ★ Hydraulic valves
- ★ 10 micron absolute filtration rate



Rotation and feed is activated by a external compressor runs the down-the-hole hammer. HD-100 special design makes it capable of drilling horizontal holes with minimum ground clearance from both right and left directions.

JUPITER MODEL LD-4

VERTICAL & HORIZONTAL

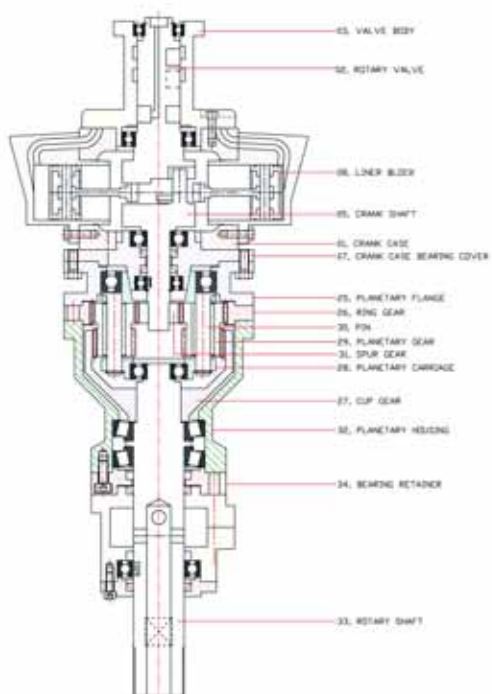


TECHNICAL SPECIFICATIONS

Details	Slim Drill SLD-100
Dimension of Hole	90 dia to 115.0 dia
Depth of Hole Vertical	30 Mtrs.
Drill Pipe Size	76.0 m.m. dia
Drill Pipe Length	1.22 Mtrs.
Weight (Approx.)	468 Kgs.
Height of Rig	3250 m.m.
Width of Rig	600 m.m.
Rotation Unit	6 H.P.
R.P.M.	0 to 50
Feed Unit	6 H.P.
Up & Down Force	1500 kgs.
Air requirement	10 CM ³ at 7 Bar

COSMIC MODEL LD-4

VERTICAL & HORIZONTAL

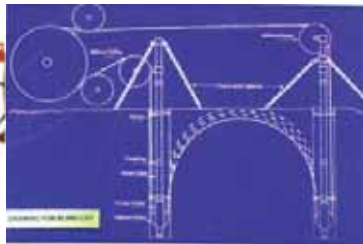


TECHNICAL SPECIFICATIONS

Details	SLD-100
Dimension of Hole	90 dia to 115.0 dia
Depth of Hole Vertical	25 Mtrs.
Drill Pipe Size	76.0 m.m. dia
Drill Pipe Length	1.22 Mtrs.
Weight (Approx.)	380 Kgs.
Height of Rig	2800 m.m.
Width of Rig	600 m.m.
Rotation Unit	4.5 H.P.
R.P.M.	0 to 50
Feed Unit	4.5 H.P.
Up & Down Force	1250 kgs.
Air requirement	10 CM ³ at 7 Bar



MEGA DRILL / Blind Cutting



LINE BORING MACHINE





DEALER / MARKETING ADDRESS

SALES

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MANUFACTURER

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