

EXCA DRILL®

Excavator-mounted
rock drills

- more holes
- less costs
- easier than ever



Advanced Drilling Technology

The AutoDrill system makes the drilling process easy and effective

All ExcaDrill units are equipped with the AutoDrill automatic drilling system. A significant advantage of AutoDrill is that it makes it easy to learn the drilling process. Now, drilling does not require special training any more.

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

The Can Open technique used in the ExcaDrill attachments together with the AutoDrill system allow various adjustments, such as the fine-tuning of pressure during drilling, preset pressure values for different holes, automatic stop defined by preset drill depth, various data readouts, remote maintenance, real-time reporting on the drilling process, etc. The system is even capable to control itself.



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

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



ExcaDrill 22A

The ExcaDrill 22A is designed for drilling operations in towns and also for construction of canals and roads with the hole diameter range of 27-44 mm.

Like other units in the ExcaDrill range, the 22A model is supplied as ready to use.

Due to its lightweight design, the ExcaDrill 22A can be mounted on excavators weighing 7 t or more.

The ExcaDrill 32A is designed for use at small and medium-sized operations.

It can also be used in bolting.

The steel feeder of the ExcaDrill 32A allows using the drilling tools R32 for drilling holes with the diameter range of 38-57 mm.

With the optional rod changer it is possible to drill up to the depth of 8 m.

The ExcaDrill 32A can be mounted on excavators weighing 13 t or more.

ExcaDrill 32A

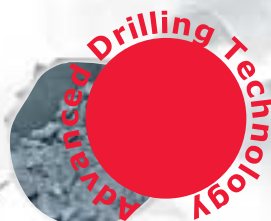


ExcaDrill 38A

The ExcaDrill 38A belongs to the 'heavy-weight' group. It can be mounted on excavators weighing 20 t or more. It is a heavy-duty drilling machine in road construction, anchor drilling, bolting, horizontal drilling, etc.

The steel feeder of the ExcaDrill 38A allows using the drilling tools R32 - T45 for drilling holes with the diameter range of 45-76 mm.

With the optional seven-rod changer it is possible to drill up to the depth of 29 m.



ExcaDrill 45A

The model 45A is the flagship of the range and is hard to beat by its performance. The highest efficiency of the unit can be achieved in production drilling.

ExcaDrill 45A is unique in all respects. Its versatility using it for a wide variety of jobs, such as quarrying, bolting, anchoring, pile drilling, etc. production drilling, ExcaDrill 45A provides best results compared to traditional working methods.

ExcaDrill 45A can be mounted on excavators weighing over 30 tons. The model 45A uses drilling tools T45 - T51 with the hole size range of 51-127 mm.



Advanced Drilling Technology

ExcaDrill advantages

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

One ExcaDrill unit can be used on many excavators, i.e. only the drill attachment is moved from one site to another.

With the help of ExcaDrill it is possible to drill more efficiently due to the wide working radius and the good maneuverability of the excavator.

ExcaDrill's control panel is installed inside the excavator cabin. The integrated graphic monitor connected to the console is functional and very convenient in use. The control panel also includes a device to monitor the drilling depth and angle. The drilling data can be changed during drilling.

ExcaDrill 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.

ExcaDrill series includes four sizes covering the hole diameters from 27 to 127 mm. The use of the optional rod changer allows drilling holes up to 29 meters deep. In practice, ExcaDrill is a real drilling rig equipped with the cabin.

Model	Control	Hole diameter range (Ø) and drilling tool	Compressor (m3/minute)	Filtration area of dust collector (m2)	Excavator weight category (tonnes)	Total weight (kg)
22A	Automatic	27-45 mm (7/8" tai R25)	1,4	4,8	7-10	800
32A	Automatic	38-57 mm (R32)	2,6	4,8	13-21	1550
38A	Automatic	45-76 mm (R32-T45)	5,0	9,6	21-30	1700
45A	Automatic	51-127 mm (T45-T51)	7,5	14,4	30-45	2400

ExcaDrill

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