

# Atlas Copco Surface Drill Rig

## ROC T15



**When small holes are big business**

Hole diameter 23 – 45 mm ( $\frac{29}{32}$ " –  $1\frac{3}{4}$ " )

*Atlas Copco*

# When performance and size matter


**When small holes mean big business, the brand new ROC T15 from Atlas Copco is your best friend. This hydraulic surface drill rig performs demanding jobs, but it is also easy to transport.**

The ROC T15 is a compact, self-propelled, four-wheel driven drill rig weighing only 2800 kg. It covers hole diameters of 23 to 45 mm ( $\frac{29}{32}$ "–1  $\frac{3}{4}$ "), with a high horizontal coverage area. These characteristics make the rig unique in its class and the perfect choice for demanding small construction jobs, dimensional stone industry, and unique applications such as self-drilling anchors, bolting holes, and boulder blasting.

To enable greater flexibility and higher productivity while ensuring operator safety, the ROC T15 is equipped with full radio remote control for tramming, drilling, and boom functions. The boom can be folded on the rig for compact transport dimension.

## Advantages of the ROC T15

- High productivity for demanding jobs
- Great coverage area, well suited to construction applications
- Small, compact dimensions for easy transport
- Incorporates Atlas Copco's Secoroc rock drilling tools for greatest productivity



Rock drills are available to increase performance for different hole range.

Firm, folding boom with long reach.

Ergonomic, easy-to-operate remote control for safe, efficient tramming and drilling.

Wide, folding front support legs for downhill tramming and stable drilling.

## Quick, safe drilling in the roughest terrain

The superior design of the ROC T15 makes it highly stable for fast, steady movement in the toughest terrain. The rig can be equipped with a hydraulic winch with a variable line pulling force for working in extreme conditions, where it is necessary to anchor the rig for secure tramming. Its specially-designed front support legs also help to enable safe downhill tramming.

## Durable and economical

The ROC T15 has the same firm folding boom and durable aluminium feed as its bigger cousins in the ROC family. Its Deutz engine meets Tier III exhaust emission standards, and the rev/min can be adjusted via remote control to minimize fuel consumption. The dust collector is built-in to reduce hose damage.

## The drill control system

The ROC T15 is equipped with a clever drill control system that controls impact and feed speed proportional to the rotation torque. The drill control system results in higher productivity and smooth drilling – even in soft, cracked formations. The system also increases drill steel life by decreasing stress on drill steels through proportional control of drill parameters.



# Secoroc rock drilling tools for ROC T15

The ROC T15 covers a wide range of drilling parameters. It can be equipped with three different COP rock drills and a comprehensive range of Secoroc rock drilling tools.

## The COP 1028

The Secoroc Magnum SR28 and SR32 is the latest in extension rock drilling equipment. Designed to withstand the tremendous forces imposed on modern drill rigs, this unique and conical rope thread system offers trouble-free drilling in all types of rock. Magnum SR bits are easier to couple and uncouple, and the rods are more resilient to breakage than other traditional rope thread systems. Magnum SR28 and SR32 rods are available in 3050 mm (10') lengths with a range of drill bits in diameters ranging from 33–45 mm ( $1\frac{5}{16}$ " –  $1\frac{3}{4}$ ").

## The COP 1022HF

This flexible rock drill can be equipped with integral, tapered or even R25 extension equipment. The COP 1022HF can also be equipped with a hex. 22 mm/R25 shank end rod, 3050 mm (10') long extension rods, plus a choice of three R25 button bits for holes from 35–41 mm ( $1\frac{3}{8}$ " –  $1\frac{5}{8}$ ") in diameter.

## The COP 1019HF

When smaller holes are required, the ideal solution is the COP 1019HF, equipped with Secoroc 19 mm ( $\frac{3}{4}$ ") integral equipment with a rod series from 1600–4800 mm ( $5\frac{1}{3}$ " –  $15\frac{9}{16}$ ").



# The ROC T15 does the job

- House and building foundations
- Road & railway construction
- Trench blasting and maintenance
- Surface and underground bolthole drilling and self-drilling anchors
- Boulder breaking in surface and underground applications
- Dimension stone quarries

The ROC T15 is the solution for demanding jobs when transport is a concern. It can replace hand-held drills in small aggregate quarries, excavate building foundations, and be used in trench blasting as well as in road and railway construction. It can install self-drilling anchors, drill for rock bolts, and be used for boulder blasting in both surface and underground environments. The ROC T15 can also be employed by dimension stone quarries. With the boom folded, the ROC T15 has exceptionally compact dimension for transportation.



# A selection of options on the ROC T15

For a more comprehensive options list, please contact your local Atlas Copco Customer Centre.



## Quick rod handling

The ROC T15 combined with the COP1028 rock drill can be equipped with a hydraulic **drill steel support**. This option helps you to retract and uncouple the rods by remote control.

## Drill safely in extreme conditions

The hydraulic **winch** is designed for work in extreme conditions, when it is necessary to anchor the rig and augment tram safety.

## Parallell holes

Roc Angle is a reliable, mechanical, hole **inclination instrument**, which helps you to achieve parallell holes and a better blasting result.



## Quick facts: ROC T15

Main application area:	<input checked="" type="checkbox"/> DIMENSION STONE INDUSTRY <input type="checkbox"/> LIMESTONE QUARRIES	<input checked="" type="checkbox"/> CONSTRUCTION <input type="checkbox"/> SELECTIVE MINING	<input type="checkbox"/> AGGREGATE QUARRIES <input type="checkbox"/> OPEN PIT MINING
Drilling method:	<input checked="" type="checkbox"/> TOPHAMMER	<input type="checkbox"/> DOWN-THE-HOLE	<input type="checkbox"/> COPROD
Rock drill:	COP 1019HF, COP 1022HF, COP 1028		
Drill steel:	COP 1019 HF - HEX 19 integral, COP 1022 HF - HEX22 integral / HEX22-R25 shank, COP 1028 - SR28 / SR32 / R32 shank		
Hole diameter:	23 mm ( <sup>29</sup> / <sub>32</sub> " ) - 45 mm (1 ¾ ")		
Maximum hole depth:	9 m (29 ½')		
Engine power: rating at 2200rpm (rpm varies for different type of rigs)	46 kW (62 HP)		
Rock drill power output:	4,5 kW (6 HP) COP 1019 5 kW (6,7 HP) COP 1022 HF 5,5 kW (7,4 HP) COP 1028		
Available air flow FAD:	23 l/s @ 7 bar		