

**Atlas Copco** Surface drill rigs  
**FlexiROC T50**



**Hole diameter 89-152 mm (3 1/2-6")**

*Sustainable Productivity*

**Atlas Copco**

# Big on performance for big sites

**For large-scale quarries, and open pit mining, the FlexiROC T50 just might be the best friend your production chain has ever seen. This highly productive Tophammer rig is a workhorse that will get the job done.**

## **Versatile and dependable**

Atlas Copco knows mining and its machines prove it. Designed to operate in tough environments where productivity, durability, and operator comfort are essential - the FlexiROC T50 is a workhorse you can depend on year after year. Its versatility is easily seen by the optional short feed or long feed. For customers looking for stability, toe-hole drilling and maintenance-friendly setup; the short feed is a great choice. Long feeds on the other hand are more productive when it comes to high benches and high production environments.

## **Comfortable operators mean higher productivity**

When it comes to drilling, the FlexiROC T50 is all business. A single joystick puts all vital functions at your fingertips for excellent drilling control and an efficient display makes essential data just a click away. Because Atlas Copco understands that long work shifts can drain an operator's energy and productivity, for added comfort the rig has great visibility and extra vibration dampers.

## **Superior drilling efficiency**

Atlas Copco rock drills are renowned for their high efficiency. Now, we're introducing a new generation of rock drills: the COP 3060, a perfect match for T60 drill steels and the optional proven COP 4050. Both rock drills are equipped with a floating double dampening system to ensure excellent rock contact and service life. The FlexiROC T50 is also equipped with an Atlas Copco air compressor that provides more air than any other tophammer drill rig in the market. With the possibility to change between two stroke settings (frequency of blows) the drill rig can be adjusted to suit the rock conditions at hand.

## **Less downtime for more profits**

Atlas Copco machines are built tough to withstand years of hard work. The power margin is immense and the rig shares its design with our other DTH mining rigs for superior durability. The FlexiROC T50's aluminum feed beam is stronger and more resistant to bending than conventional steel designs. In addition, it has exchangeable snap-on stainless steel wear protection to give you higher productivity and less downtime. And for continued uptime, it's good to know that Atlas Copco rigs are designed with a high degree of commonality and that our global service network is only a phone call away.

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## Main benefits

- Flexible top-of-the-range drill rig tailored to your demands
- High productivity in broken ground due to the massive air volume
- Superior rock drill efficiency with high adaptability







Uniform feeding, durable and precise.

Available for both Tier 3 and Tier 4 markets

Improved v-belts for longer service life.

Excellent operator visibility of the hole and control of the drilling process with a single joy-stock control.

Atlas Copco air compressor providing great free air delivery at peak efficiency.

Hydraulic topammer with highest power efficiency on the market.

**Atlas Copco**

## Quick facts

### Main application

Large construction sites  
Quarries  
Open pit mining

### Drilling method

Tophammer

### Rock drills

COP 4050  
COP 3060

### Drill steel

T51, T60

### Hole diameter

89-152 mm (3 1/2" – 6")

### Maximum hole depth

36 m (118')

### Engine power

Caterpillar turbocharged diesel engine CAT C13, Tier 4, Tier 3  
Power at 2000 RPM: 328 kW (417 HP)

### Available air flow (FAD)

254 l/s (540 cfm) at 12 bar

## Selection of options

### Stabilize the hole walls

The water mist system is a perfect tool to stabilize the hole walls when drilling in bad rock formation. It consists of a 225 litres (32 US Gal) pressurized water tank or 400 litres non pressurized tank, connected directly to the flushing air.

### GPS compass

The GPS Compass aiming device uses the GPS satellite system and enables you to lock the blast direction for every hole in the blast. GPS compass adds a new dimension to the extensive automation already available on the FlexiROC T50.

Noise and Vibrations levels – FlexiROC T50	
A-weighted sound power level in decibel (ref. 1 pw). Single value declaration	130
A-weighted sound pressure level at work station in decibel (ref. 20 mPa). Double value declaration	80 +/- 3
A-weighted sound pressure level at 1 m distance in decibel (ref. 20 mPa). Double value declaration	NA
Weighted whole body vibration level (m/s <sup>2</sup> ) (Double value declaration)	0.3 +/- 0.2

FlexiROC is a member of the Atlas Copco ROC family

[www.atlascopco.com](http://www.atlascopco.com)