SMARTROC T45

Surface drill rig for quarrying and construction.

Folding boom
Hole diameter: 89–127 mm (3½”–5”)

Fixed boom
Hole diameter: 89–140 mm (3½”–5½”)

Atlas Copco
SMART AND PRECISE EFFICIENCY

With the SmartROC T45 you’re in control.

SmartROC T45 is based on a proven control system which gives consistency in job after job and doesn’t rely on the same extent, how your operator’s performance. SmartROC T45 will revolutionize your fuel consumption, improve your availability, and provide you with the documentation you need to be on top of your business. With help from features such as HNS, AutoPos and ROC Manager, you’re always on top of your operation.

MAIN BENEFITS

- **Efficiency** with increased capacity and performance while reducing fuel consumption
- **Safety and availability** thanks to the new and intuitive design
- **Excellence** through precise drilling and consistent operation, resulting in improved blasting results
TECHNOLOGY THAT PUTS YOU IN CONTROL

Safety depends on control. The SmartROC T45 dramatically reduces the risks of manual errors and human mistakes. With options such as Hole Navigation System (HNS) you have the right information at your fingertips. This greatly improves both efficiency and safety on the bench.

+ PLAN YOUR WORK, THEN WORK YOUR PLAN

The SmartROC T45 relies on automation functionalities to make sure you drill as planned. The automatic feed alignment ensures that you always maintain the desired angle when drilling, which is crucial for optimum blasting results. In addition, the automatic rod add system makes it easy for the operator, adding rods to the desired depth. The machine drills to the exact desired drilling depth with no mistakes, while the operator supervises until it’s time to pull up the rods. Both functions deliver consistent results you can rely on, shift after shift.

+ CUT YOUR FUEL COSTS IN HALF

There are two things the SmartROC T45 never compromises on – fuel efficiency and high productivity. The key to its incredible fuel efficiency is a rig that only uses the energy it needs for the work at hand. In addition to its standard automatic radiator fan, engine and compressor speed are automatically adjusted depending on operating mode. For example, during tramming or when the rig is not working, the compressor puts no load on the engine and thus reduces engine speed. Further, the airflow and dust collector speed can be adjusted as needed by the operator.

EFFICIENCY WITH ENVIRONMENTAL CARE

Atlas Copco’s commitment to the environment is evident in everything we do. We want to maximize your productivity and save you money, at the same time as we leave as few footprints as possible on the environment. That’s why the SmartROC T45 gives you the most energy efficient rig in its class. Its hydraulic system uses significantly less oil, compared to other rigs, with a hydraulic tank that is 1/3 the standard size for its class. This means you can use biological oil with approximately the same cost as usual oil, and you don’t have to worry about taking care of spillage.

ATLAS COPCO SERVICE

Even the best equipment requires regular service to ensure optimal performance. Atlas Copco provides service solutions to safeguard an optimized relationship between productivity, availability and operational cost. Atlas Copco Mining and Rock Excavation Technique has over 3,300 technicians located in over 80 countries. By combining the usage of Atlas Copco genuine parts with service provided by a certified Atlas Copco technician, you’ll have a winning combination no matter of where in the world you operate.
SmartROC T45

- Double hose drums with a slot for each hose. This extends the life of the hoses and does not require greasing.
- Protective guard to prevent injuries due to human error.*
- Reduced number of hoses and couplings for better serviceability.

**SAFETY CABIN**

- ROPS and FOPS approved with rubber vibration dampers
- 2 x wipers with washer
- Clear laminated glass (front and roof windows)
- Clear toughened glass (side and rear windows)
- Fully adjustable operator’s seat
- Adjustable foot rest
- Cabin light
- Combined warning sound and warning light – BEACON type
- Reverse camera with cab mounted display
- Window wiper, right hand window
- Radio/CD/DVD
- Window panes: Laminated 24 mm clear front, 10 mm roof and 8 mm tinted side – toughend 8 mm rear
- Protective guard, according to EN16228
- Sleeve retainer
- Service winch with jib boom mounted on the feed
- TAC guide tube guides for drill steel support
  - TAC 64 mm for 64 mm guide tube
  - TAC 76 mm for 76 mm guide tube
  - TAC 87 mm for 87 mm guide tube
- Thread greasing devices

**HEIGHT AND LENGTH**

<table>
<thead>
<tr>
<th>Height (H1)</th>
<th>Length (L1)</th>
<th>Height Long Feed (H1)</th>
<th>Length Long Feed (L1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 300 mm</td>
<td>10 700 mm</td>
<td>3 600 mm</td>
<td>11 800 mm</td>
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</table>

**WEIGHT**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Imperial</th>
<th>Metric</th>
<th>Imperial</th>
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<tbody>
<tr>
<td>SmartROC T45 fixed boom without Long Feed</td>
<td>20 100 kg</td>
<td>44 300 lb</td>
<td></td>
</tr>
<tr>
<td>SmartROC T45 fixed boom with Long Feed</td>
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<thead>
<tr>
<th>Standard</th>
<th>Option A</th>
<th>Option B</th>
<th>Option C</th>
<th>Option D</th>
<th>Option E</th>
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**SELECTION OF OPTIONS**

- **Cabin**
  - Combined warning sound and warning light – BEACON type
  - Reverse camera with cab mounted display
  - Window wiper, right hand window
  - Radio/CD/DVD
  - Window panes: Laminated 24 mm clear front, 10 mm roof and 8 mm tinted side – toughend 8 mm rear
- **Feed**
  - Protective guard, according to EN16228
  - Sleeve retainer
  - Service winch with jib boom mounted on the feed
  - TAC guide tube guides for drill steel support
- **Hole and inclination systems**
  - Laser plane receiver for hole depth
  - GPS compass aiming unit
- **Hole Navigation System (HNS)**
  - Prepared for Trimble SPS 580/550 and Leica S550

**Parts and Services**

- **COP Care**
- **ROC Care**

**Optional equipment not mounted**

- Gas charging equipment (for rock drill)
- First 50 hrs service kit for compressor
- Lubrication kit
- Conversion kit T45
- Conversion kit T60
- RCS service tool-box
- Electrical tool kit

**Other**

- Radio Remote Control (RRC)
COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us.
We make performance stand the test of time.
This is what we call – Sustainable Productivity.

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