Cat® MD5075C

Hole Diameter 76.2-114.3 mm (3.0-4.5 in)

More Drilling. Less Cost. Better Support.



MD5075C Cat® Track Drill delivers value through uptime, easy maintenance and low total cost of ownership. You can attribute the high productivity to its best-in-class rock drill, fast and electronics-free rod changer, and a Caterpillar engineered power train with matched horsepower and large, variable, air compressor. Several technology products assist with optimum operations and equipment management. Maintenance is easy thanks to component layout and because MD5075C is equipped for Cat ET to troubleshoot the entire machine. Low total cost of ownership is achieved due to high productivity, long life, easy maintenance, and the industry-leading support of the Cat dealer network.

High Productivity Factors

Best-In-Class Rock Drill

- Standard rock drill on the MD5075C is the HPR5123, which uses 45 or 51 mm drill rod. Optional HPR4519 Rock Drill, which uses 45 mm drill rod.
- Caterpillar offers rock drills that are designed to be completely serviced on the feed, reducing downtime and control costs
- Cat Rock Drills are powered matched to the application for energy efficient drilling
- They are simple and durable with long service intervals and service on the feed is quick
- Major components are designed to last the life of the machine
- With three times the lifespan and less than one half the parts cost of competitive rock drills, Cat Rock Drills deliver maximum uptime at low total cost of ownership

Carousel Rod Changer

- Reliable mechanical design
- 100 percent electronics-free so there are no sensitive sensors that cause excessive downtime
- Accepts 45 and 51 mm diameter drill steel

Power Train

- Designed by Caterpillar experts providing power where needed and in a highly efficient manner
- Fast cycle times and maximum efficiency with its matched engine horsepower. Includes high-efficiency fuel filtration with electronic priming pump. Hydraulic driven compressor has large and variable air control, and optimal thermal management cooling system.
- Additional fuel filtration to help ensure reliable engine operation and extended fuel system component life.

Low Total Cost of Ownership Factors

Low total cost of ownership is achieved thanks to the MD5075C high productivity, best-in-class rock drill, long life cycle, easy maintenance, and the industry-leading Cat dealer network.

- Fast cycle times
- Uptime
- Easy maintenance and troubleshooting
- High quality parts and durable structures
- Long lifecycle
- Rock drill service costs that is 60 percent less than competitors
- Industry leading support

Cab Enhancements

The pressurized Cat cab is ROPS/FOPS and is isolator mounted to minimize vibration and reduce operator fatigue.

- High visibility with 3.07 m^2 (33 ft^2) tinted safety glass windows
- Windows have defrost/defog air
- Window wipers are situated on the front and overhead windows for clear visibility
- Operators seat is adjustable six ways to accommodate a range of operator needs
- Dual joystick controls are ergonomic and seat-mounted
- Tram handles and foot pedals allow for excellent maneuverability
- Rock Drill thread lube is operated through a foot pedal
- Deep storage box and cupholder in the console
- Large monitor for operating system

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Operating System

- Touch screen navigation for Drill Assist, rearview camera, tram, water, rock drill auto-lube, alerts, target depth, angle inclinator, penetration rate, machine performance, total hours, and service
- The display shows constant performance monitoring of pressures, rotation and depth (optional) with simple icons for easy viewing and adjustments
- The depth indicator ensures all holes are drilled to the planned depth to promote a better floor, reduce secondary blasting and reduce wear on equipment

Easy Maintenance Factors

MD5075 offers simple and well-organized electrical/hydraulic arrangements, logically located components, and ground level service. This machine is equipped for Cat ET, touchscreen with fault code monitoring and built in joystick mapping for easy troubleshooting. Rock drill service can be completed without removal from the feed. Easy maintenance greatly contributes to the low total cost of ownership. With our overall maintenance-friendly designs, your service access is safe and efficient.

- Logical access points
- Simple electronics/hydraulic systems
- Equipped for Cat ET (Electronic Technician)
- Bulk head fittings allow for shorter run of new Cat hoses
- Industry-leading rock drill

Basic Specs		
Hole Diameter Range	76.2-114.3 mm	3.0-4.5 in
Hole Depth Maximum	31.2 m	102.5 ft
Engine		
C9 at 1,800 rpm*	224 kW	300 hp
Compressor	9.9 m^3/min	350 ft^3/min
Rock Drill HPR5123	23 kW	31 hp

*Meets U.S. EPA Tier 3, EU Stage IIIA equivalent emission standards.

Loaded with Technology to Make Drilling Easier

Operations and equipment management is improved with technology systems which aid in safety, utilization, tracking, as well as equipment maintenance and performance monitoring.

Drill Assist monitors main hydraulic systems and automatically adjusts to pre-programmed parameters. It incorporates anti-jam, anti-plunge and anti-plug, resulting in higher productivity and increased life of the drill string.

Cat Monitoring System (Cat MS), which monitors critical engine functions and will derate the engine to protect itself from damage if needed. When critical conditions arise, the Cat MS monitor displays warning lights and sounds alarms.

Product Link™, which allows remote machine monitoring and tracking reported via satellite. The system monitors machine status and provides utilization and machine health trends through reports generated by VisionLink® software.

- Product Link
- Cat Monitoring System
- Drill Assist
- Equipped for Cat (ET) Electronic Technician
- Drill Depth Indicator
- Automatic Lubrication System

Unique Advantages

Rod Changer Is Fast and Reliable

Rock Drill Is Best-in-class

Rock Drill Service Cost Advantage

- Cat requires 3.5 times less service hours
- Cat is less than 50 percent of the hours to complete the service
- Cat is 60 percent less cost per year

Extension Boom with Long Reach

Largest in-class, the MD5075C has a 3.81 m (12.5 ft) boom, plus a 1.5 m (5 ft) boom extension. This keeps operators a total of 5.334 m (17.5 ft) away from a ledge or highwall. The boom is constructed of thick square tubing with steel plate reinforcements in key areas to add strength.

Service Minded Design

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at **www.cat.com**

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