

Productivity in Action

Sandvik is a high-technology engineering group with world-leading positions in selected areas – tools for metal working, advanced materials technology, and mining and construction. We employ more than 47 000 people and are represented in 130 countries.

Sandvik Mining and Construction represents one third of the overall Sandvik Group and serves a broad range of customers in construction, mineral exploration, mining and bulk materials handling. Our construction expertise covers quarrying, tunneling, demolition and recycling, and other civil engineering applications. Our mining products and services support customers on the surface and underground, in all mineral, coal and metal mining applications from exploration to ore transportation.



SANDVIK MINING AND CONSTRUCTION
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Sandvik D1550 Mission accomplished

Surface down-the-hole drill rig



The best of productivity and user comfort

Businesses - large and medium sized quarries and contractors in particular - constantly need to improve productivity of their operations. This means that it is of the greatest importance to choose machines that do exactly the job they are supposed to - no more, no less. The new Sandvik DI550 is the machine that meets these criteria. It is a down-the-hole drilling rig that is something else. With its 328 kW diesel engine and 24.4 m³ compressed air flow at 24 bar pressure it is the

perfect match for the 5" DTH hammer.

SCROOGE IN FUEL CONSUMPTION, UNSPARING IN DRILLED METERS

The careful match of power and hammer size make the rig uniquely productive, keeping fuel consumption and operating costs as low as possible.

Cost effective machine performance is further enhanced by other advanced features such as load sensing compressor pressure control, active

diesel RPM control, optimized diesel RPM level during drilling and ambient oil cooler fan control.

SEAMLESS CO-OPERATION OF MAN AND MACHINE

On top of high performance, simple and comfortable machine operation was in development focus. Featuring **a modern, accurate control system** with simple icon displays, the new DI550 thus enables seamless co-operation of man and machine. Operator

will handle drilling and the automation takes care of all machine controls.

The rig's modern, over-pressurized and ROPS and FOPS certified cab with first-rate ergonomics, efficient filtration for incoming and recirculating air, and excellent visibility - not to mention the modern led lighting - further add to the operator comfort. The large windshield comes with a strong safety grill that is easy to open for cleaning. The new, efficient dust collector

with non-stop cleaning decreases the amount of dust emissions to the environment. It also improves filter lifetime and, therefore, reduces the need for maintenance.

Other features that translate into **easy maintenance** and thus low downtime are, for example, the engine compartment's open layout, easy cooler cleaning, modular compressor control system and simplified, can-bus based electric system. All daily maintenance

points are located on the ground level to simplify the process and improve safety of service personnel. A fast fuel filling option and large fuel tank further cut costly downtime.

QUALITY QUARANTEED BY EXPERIENCE

The new DTH line has largely benefited from Sandvik's solid experience in top hammer drilling solutions. The two product lines share many solutions, components and test procedures,

for example. The achieved similarity between the two creates a commonness offering clear advantages for service and maintenance.

The DI550 is suited to work at its maximum performance with Sandvik RH550 hammers from 3" to 5".

The machine is at its best in produc-

tion drilling, quarry/mine development, pre-splitting and de-watering.

The Sandvik DI550 will be released to the market in Q4/2010. At the same time, a new feed and rotary head will be introduced.

Technical specification	
Recommended hole diameter	90–165 mm 3 1/2"–6 1/2"
Drill pipe diameters	76, 89, 102 and 114 mm 3", 3 1/2", 4" and 4 1/2"
DTH hammer	3", 4" and 5" (Sandvik RH550)
Compressor type	Two stages, high pressure 24 bar
Flushing air capacity	24,4 m ³ / min 862 cfm
Engine type	Caterpillar C13
Engine output power	328 kW / 1800 rpm 440 hp / 1800 rpm
Operator cabin	HVC550 (High Visibility cabin)
Certificate	ROPS and FOPS

