

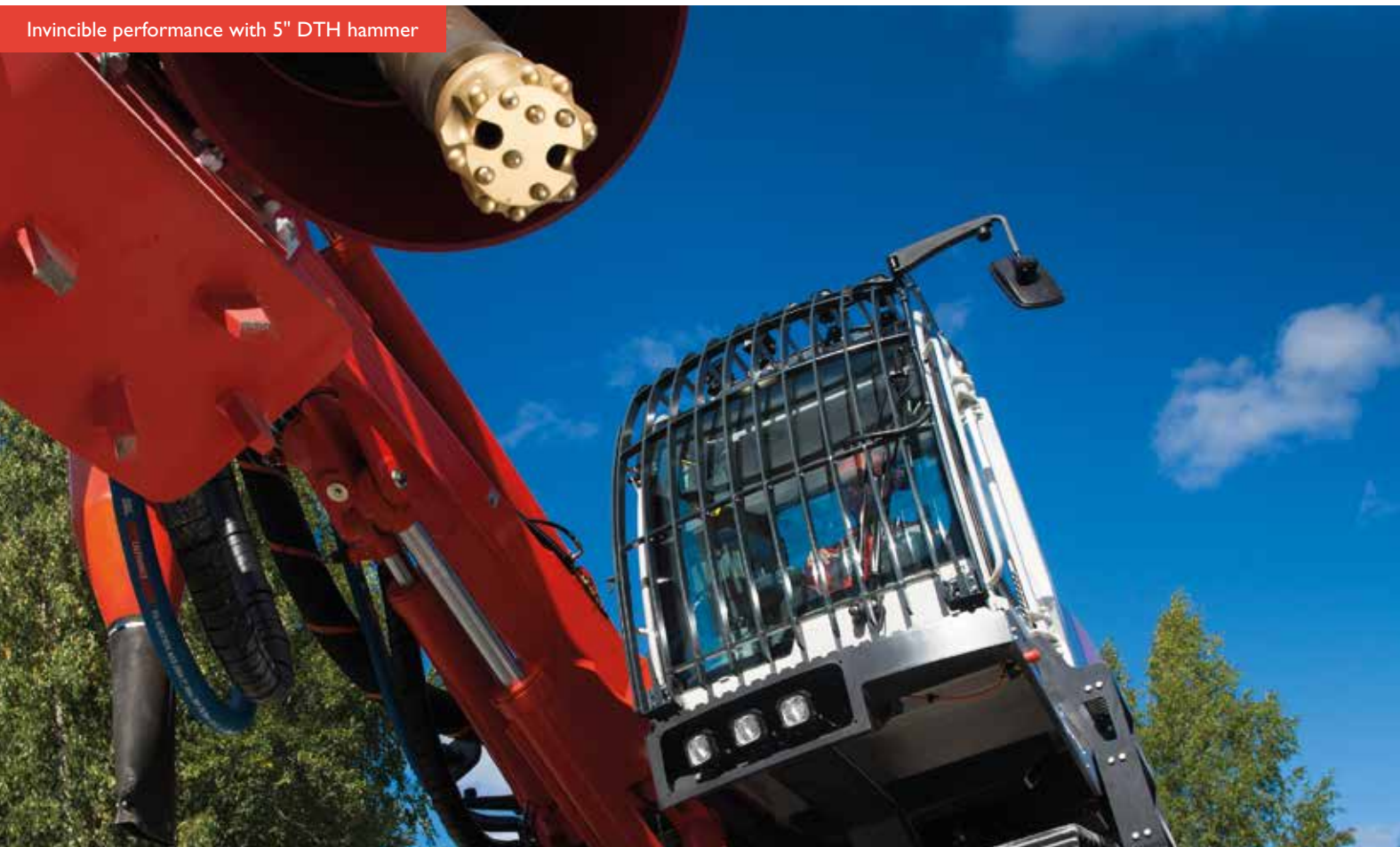
Sandvik DI550

Built to perform

Surface down-the-hole drill rig



Invincible performance with 5" DTH hammer



Low operating costs



Utilizing experience for top productivity

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.

QUALITY GUARANTEED BY EXPERIENCE AND DEDICATION

At Sandvik, we have worked with drilling solutions for more than 50 years and have learnt a thing or two along the way. So, we design drills that do their individual jobs exceptionally well. But we know that a drill is just one element in a much larger process. Therefore, we are constantly exploring the possibilities for process, technology and service development and for supporting you in your daily work.

The new generation down-the-hole family, with DI550 as the first representative, incorporates the best of our previous DTH line and the solid expertise we have in top

Sandvik drills manufacturing follows the high quality and EHS standards set by ISO9001, ISO14001 and OHSAS18001.

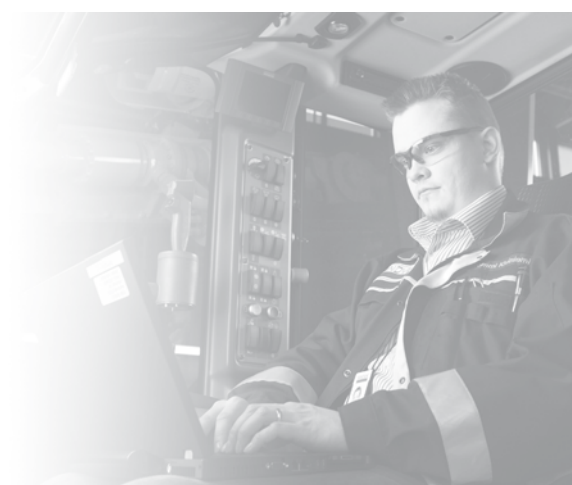


hammer drilling solutions. The two product lines share many solutions, components and test procedures, creating a commonness that offers **top productivity, unique operator comfort** and **clear advantages in service and maintenance**.

PERFECT MATCH FOR THE 5" HAMMER

Sandvik DI550 down-the-hole drill is equipped with a **328 kW** diesel engine and a **24.4 m³** compressor air flow at **24 bar** pressure, making the machine a perfect match for the **5"** DTH hammer. All power is fully utilized, translating into low energy consumption, low operating costs and top productivity. The rig performs efficiently and economically also with 4" and 6" hammers.

Main applications for the DI550 include **production drilling, quarry/mine development** and **wall control** in **90 – 165 mm** hole sizes.



For more information, please go to di550.sandvik.com

A great many smart features for great performance

Top-class industrial design and a great many novelties supply a high level of safety, and outstanding rig performance and operation.

SMART AUTOMATION FOR LOW ENERGY CONSUMPTION

DI550 includes smart automation features that help **preventing human errors**, and **improve drilling efficiency** and **machine**

performance. Among those are automatic systems control that supervises all machine functions and **one-pipe automatic drilling** that makes the machine easy-to-use.

Proven can-bus technology secures that automation itself stays up and running.

DI550 is equipped with the latest engine technology, either TIER 4 or TIER 3*. New generation TIER 4 engine supplies even lower fuel consumption than the TIER 3 version. Both versions **excel in energy-efficiency** thanks to a range of advanced features: Sophisticated diesel speed, air pressure and flow controls, ambient-related oil cooler fan control, advanced dust collection control, and smart tramming control.

*TIER4 compulsory for Europe, the USA, and Canada.

CONTEMPORARY TECHNOLOGY FOR EFFICIENT OPERATION

The DI550 fits into both, hot and cold temperatures. Operation of the machine is specified as high as to ambient temperature of **+55°C**, and cold start down to **-40°C** (with options). A **unique ambient dependent control for compressor running temperature** prevents condensation, and, thereby, extends bearings' lifetime. Furthermore, the rig is equipped with a new kind of **heavy-duty rotary head**. The rotary head supplies maximum rotary torque of 4320 Nm in drilling, and even 7000 Nm in thread opening, offering more than enough power for any situation. A **novel centralizer** solution keeps it closer to the drill hole and gives better guidance to the hammer, resulting in better hole quality. **Advanced friction jaws** promote long tool life.

The DI550 offers a selection of options for customizing the machine for individual needs. Among these are **telescopic boom** for wider drilling coverage (500 mm) and easy hole spotting, **TIM inclination measurement device**, **fire suppression system**, **hammer service tool** and **reversing cameras**.

DI550
excels in
energy efficiency.



Man and machine united



Heavy-duty rotary head offers high torque



Advanced friction jaws promote long tool life



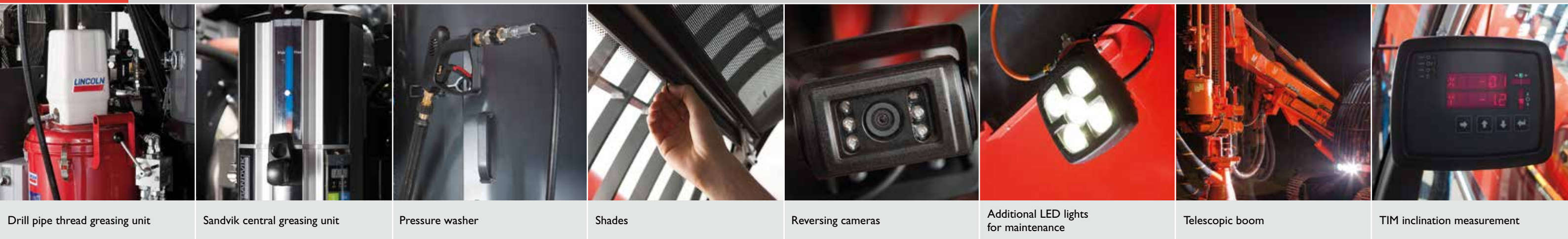
For more information, please go to di550.sandvik.com



Precise design Perfect machine

BRIEF SPECIFICATION	
Recommended hole diameter	90 –165 mm (3 ½" – 6 ½")
Drill pipe diameters	76, 89, 102 and 114 mm (3", 3 ½", 4" and 4 ½")
DTH hammer	6", 5", 4" and (3") Sandvik RH550, RH500, etc.
Compressor type	Two stages, high pressure 24 bar
Flushing air capacity	24,4 m ³ / min 862 cfm
Engine type	Caterpillar C13, (Tier3 or Tier4 Interim)
Engine output power	328 kW / 1800 rpm (440 hp / 1800 rpm)
Operator cabin	HVC550 (High Visibility cabin)
Certificate	ROPS and FOPS

Examples of options:



* ROPS = Roll Over Protective Structure. FOPS = Falling Object Protective Structure





First-rate usability for smooth operation

On top of high performance, environmental matters and safe and comfortable machine operation were in focus when designing the DI550. Efficient dust collector **decreases the amount of unwanted dust emissions** to the environment while it at the same time increases filter lifetime and reduces the need for maintenance. The rig's excellent fuel economy translates into **low CO₂ emissions**.

MAN AND MACHINE UNITED

The DI550's over-pressurized, ROPS- and FOPS-certified, **sound-proof** and **vibration-free cabin** with strong laminated window glass and heavy-duty grill on the front window promote a safe drive. The rig's low center of gravity offers **excellent stability** even in rough terrain.



Advanced dust collection control excels in energy-efficiency.

Ergonomic design and **adjustability of user interface**, and efficient filtration for incoming and re-circulating air make drilling a joy. Vacuum cleaner is available as an option for additional cleanliness.

Modern, accurate control system makes **supervising the rig functions as easy as possible**: **Clear gauges** indicate the drilling parameters – compressed air pressure, feed pressure and rotation pressure –, and **simple icon displays** follow supporting functions and supply comprehensive service information. **Excellent visibility** to the drilling spot, efficient led lights in the cabin and the refueling area as well as powerful working lights further add to the operator comfort.



For more information, please go to di550.sandvik.com

Simplicity of maintenance for shortest downtime

DI550 exceeds even the most demanding expectations in the ease of service and maintenance as these requirements were set as a starting point for the whole machine design. Time is of the essence at a job site so

Intelligent compressed air pressure control saves energy.



speeding up the maintenance process plays a key role in the DI550.

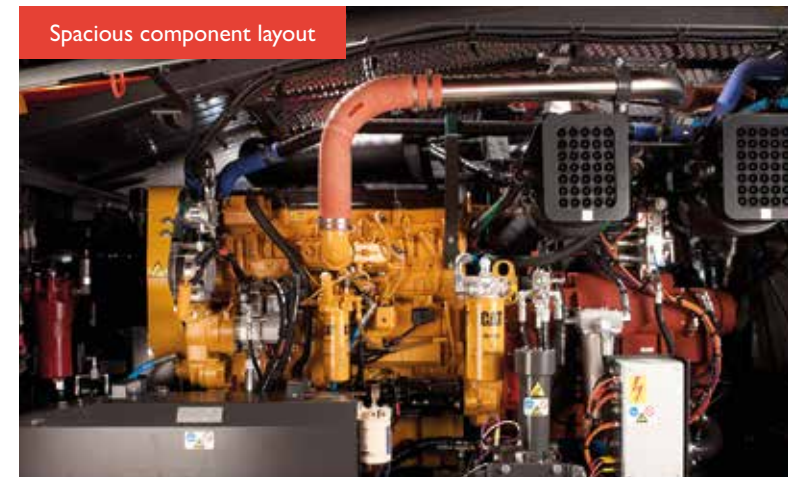
FREE ACCESS. FAST PROCESS

Careful and detailed thinking resulted in spacious and **unobstructed component layout** in the engine compartment, **decreased number of maintenance points**, **three large gull-wing type service doors**, and **free access from the ground level without bending** to all daily maintenance points. Simplicity of service is further enhanced by straightforward cooler cleaning, a modular compressor control system and simplified, can-bus based electric system.

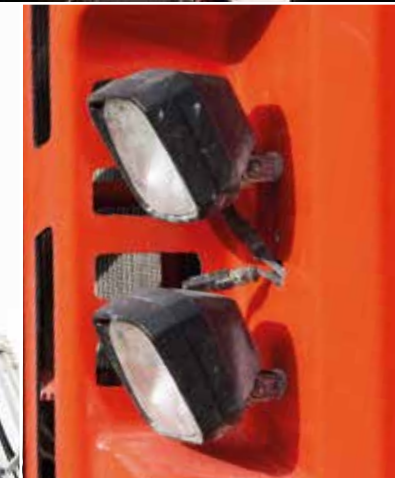
SMART SUPPORT. LOW DOWNTIME

A large steel fuel tank of 900 liters translates into **decreased need for re-fueling** and,

consequently, less downtime. A Wiggins fast-fueling option is also available for further savings in downtime. A led light in the re-fueling area guarantees good visibility. Openable safety grill and high pressure washing nozzles as standard make window cleaning uncomplicated. A pressure washer for the rig is available as an option.



Spacious component layout



Full support



Large service doors guarantee easy access



Strong backup keeps your business running smoothly



SUPPORT WHERE IT COUNTS. ON THE JOB SITE

Service is, of course, a matter of being available when something unexpected occurs.

warranty as the new items. Sandvik **service contracts** let you concentrate on your main processes. They come in different levels so you can choose a program that best suits your needs. Ensuring trouble-free drilling and long-term cost-efficiency, **Sandvik drill steel** and **genuine spare parts** maximize productivity. **A modular operator training concept** guarantees productive drilling from day one.

THERE IS ALWAYS MORE TO KNOW

If you feel that you would need to learn more about the overall quarry or open pit process, the **Sandvik Quarry Academy®** is an excellent option. On this training course you will go through questions in quarry management through practical site examples and experiences.

But we at Sandvik prefer seeing service more as a question of being proactive. Investment in preplanned service and tools will help you protect your business from unexpected risks.

SanRemo® productivity service offers an easy way of planning and following up production. Based on remote machine monitoring, the service brings accurate real-time job site data easily accessible at <https://mysanremo.sandvik.com>. **Security+** insurance package gives protection beyond the standard warranty, **up to 3 years or to 5000/7000 engine hours**. Sandvik **filter kits** offer a tested selection of all filters needed for periodical maintenance: engine oil filters, hydraulic oil filters, fuel filters, air filters and breathers. Sandvik **remanufactured components** supply a high quality and cost efficient alternative. Being carefully cleaned and remanufactured, they go through the same inspection process and have similar



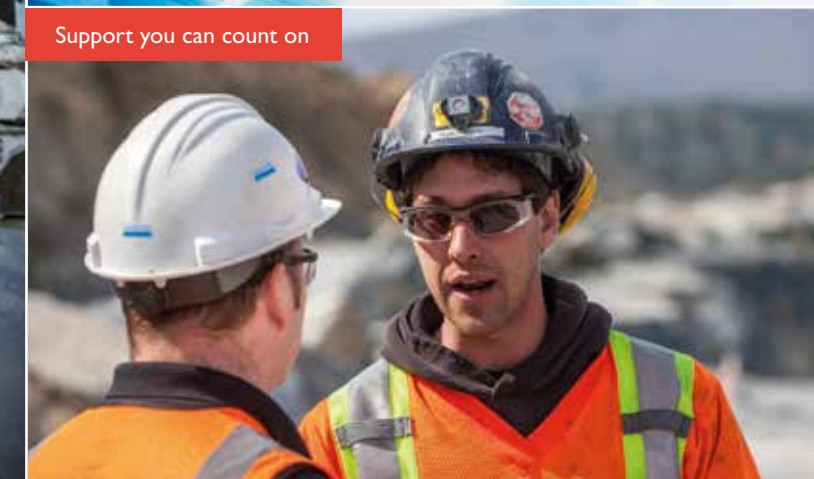
Carefully selected parts



High quality rock tools



Support you can count on



Sandvik operator training



For more information, please go to di550.sandvik.com

SANDVIK GROUP

Sandvik is a global industrial group with advanced products and world-leading positions in selected areas – tools for metal cutting, equipment and tools for the mining and construction industries, stainless materials, special alloys, metallic and ceramic resistance materials as well as process systems.

SANDVIK CONSTRUCTION

Sandvik Construction is a business area within the Sandvik Group providing solutions for virtually any construction industry application encompassing such diverse businesses as surface rock quarrying, tunneling, excavation, demolition, road building, recycling and civil engineering. The range of products includes rock tools, drilling rigs, breakers, bulk-materials handling and crushing and screening machinery.

