

Sandvik DPi series

Break the limits



Winners rise from job site experience

MEETING YOUR NEEDS WITH DEDICATION

It is essential that you have drills that perform, whenever and wherever needed. At Sandvik, we design drills that do their individual jobs exceptionally well. But we also know that a drill is just one element in a much larger process. Therefore, at this very moment you will find Sandvik specialists hard at work everywhere in the world, exploring the possibilities for process and technology development and supporting you in your daily work.

PUT AN END TO GUESSWORK

As the offspring of the successful Tamrock Pantera family, the Sandvik DPi series surface top hammer drill rigs are a result of 10 years experience in drilling in quarries and open pits in the hole range of **89 – 152 mm (3 1/2 – 6")**. The DPi series also suits well for large construction sites and for wall control and development works.

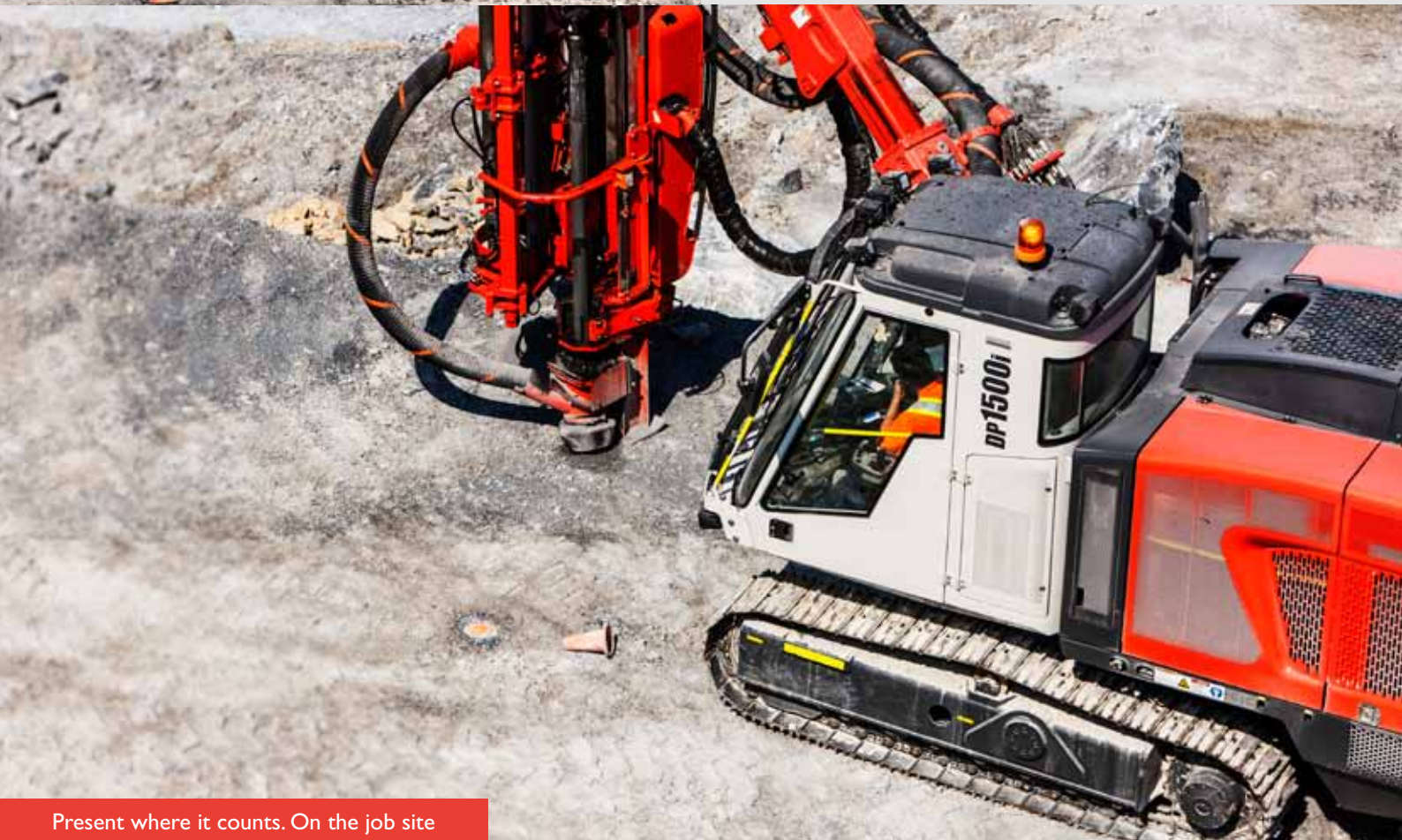
Fully equipped, the Sandvik DPi series surface top hammer drills come with practical intelligence. It makes them a perfect fit to your entire excavation process. The DPi series puts an end to guesswork: they **produce information** on the condition of the drill and work being performed, letting you make accurate work and service schedules. This, in turn, minimizes unwanted downtime. You can see the drilled meters and holes, diesel and percussion hours and the amount of burned fuel. You will also know when the drills need service and what service parts are needed. The rigs are remote access ready. They simply take the load off you and let you focus on the most important factor: productivity.

Built to last



LIMIT-BREAKING INNOVATIONS

The DPi series offers you a chance to break your limits. There is no detail that would not be well-thought-out – Sandvik engineers have spent hours and hours on numerous job sites to learn about the requirements of the environment.

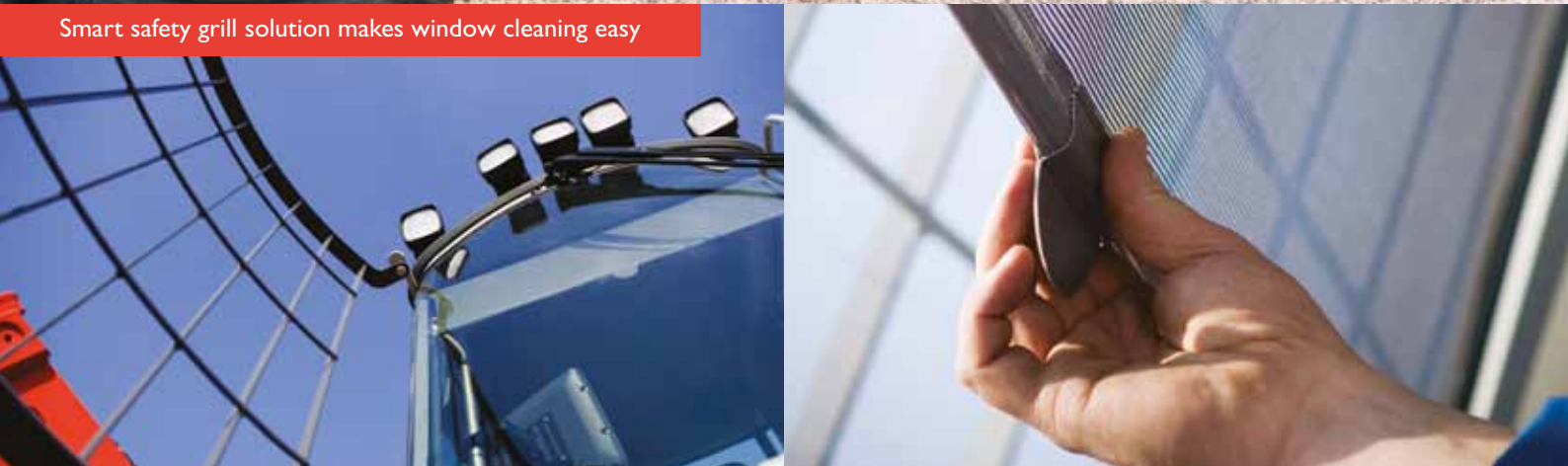


Present where it counts. On the job site

Work different. Break the limits



Smart safety grill solution makes window cleaning easy



Excellent visibility



HIGH POWER DRILLING

Powerful and advanced high frequency rock drills make the DPi series an excellent choice for drilling in the hole range of 89 – 152 mm (3 1/2 – 6") in quarries or open pits. Together with Sandvik drilling tools, the HLI560T and HLI060T rock drills supply high quality holes and, therefore, excellent productivity.



Daily performance in focus

BRING OUT THE BEST IN YOUR DRILLING

The Sandvik DPi series surface top hammer rigs are made to break the limits and bring out the best in every driller. An **advanced user interface** with clear screen views for different operations and armrest integrated joysticks make drilling with Sandvik DPi rigs a pure pleasure. **An easily adjustable drilling control system** offers all parameter settings in the cabin. You can either use the preset drilling parameters for different rock conditions, or store your own settings for each of the sites where you work. You can change between the settings in no time and if needed - always return to the original mode. One hole automatic drilling to depth* guarantee a stable drilling result. You can also choose automatic feed alignment which will offer more drilling time than ever.

Developed based on the DPi series operation system, an advanced simulator training concept offers the possibility to train drilling in an authentic environment. This makes new operators productive from day one and shows the experienced ones how to use their skills and the rig features to full capacity.

WHITE CAB – A COOL COMFORT ZONE

The Sandvik DPi series cabin offers you a real comfort zone. Advanced air conditioning, double roof and the cool white color keep the cabin temperature at an enjoyable level. Selective glass windows and optionally available roller shutters stop glare and make the ride even more pleasant for you. Adding to your comfort is efficient filtration that keeps the cabin air fresh and clean.

The quiet, pressurized and ROPS/FOPS certified cabin excels all regulations. **Large window surface with high-resistance steel grill** offers excellent visibility without sacrificing your safety. You can choose clever and practical accessories for the cab to make your life easy. A vacuum cleaner helps you to keep the cabin air fresh and clean, and a cooler bag keeps your drinks and snacks tasty.

**Available optionally*



TECHNICAL DETAILS

DPi 500i

Boom	Telescope
Hole diameter	89–152 mm (3½–6")
Drill steel	51 mm, 60 mm (2", 2 3/8") MF rods, 87 mm (3 1/2") Tubes
Weight	TIER 3: 21 800 kg (48 000 lb) TIER 4: 21 900 kg (48 281 lb)
Width	2,5 m (8'–2")
Height	3,2 m (10'–6")
Length	11,5 m (37'–9")
Rock drill	HLI560T, 33 kW (44.3 hp)
On-board compressor	14 m³/min/ up to 10 bar (494 cfm/min/145 PSI)
Dust collector	35 m³/min at 1200 mm vacuum H₂O (1236 cfm/min at 47" vacuum H₂O)
Engine	TIER 3: CAT C11 ACERT, 261 kW (350 hp), 1 800 rpm TIER 4: CAT C13, 287 kW (385 hp), 1 800 rpm

DPi 100i

Boom	Telescope
Hole diameter	89–140 mm (3½–5½")
Drill steel	51 mm, 60 mm (2", 2 3/8") MF rods, 87 mm (3 1/2") Tubes
Weight	TIER 3: 21 700 kg (47 800 lb) TIER 4: 21 800 kg (48 061 lb)
Width	2,5 m (8'–2")
Height	3,2 m (10'–6")
Length	11,5 m (37'–9")
Rock drill	HLI060T, 25 kW (33.5 hp)
On-board compressor	14 m³/min/ up to 10 bar (494 cfm/min/145 PSI)
Dust collector	35 m³/min at 1200 mm vacuum H₂O (1236 cfm/min at 47" vacuum H₂O)
Engine	TIER 3: CAT C9 ACERT, 224 kW (300 hp), 1 800 rpm TIER 4: CAT C9.3, 224 kW (300 hp), 1 800 rpm

DP900i

Boom	Telescope
Hole diameter	89–127 mm (3½–5")
Drill steel	51, 60 mm (2", 2 3/8")
Weight	TIER 3: 21 500 kg (47 400 lb) TIER 4: 21 600 kg (47 620 lb)
Width	2,5 m (8'–2")
Height	3,2 m (10'–6")
Length	11,5 m (37'–9")
Rock drill	HLI060T, 21 kW (28.2 hp)
On-board compressor	9,6 m³/min/ up to 10 bar (339 cfm/min/145 PSI)
Dust collector	35 m³/min at 1200 mm vacuum H₂O (1236 cfm/min at 47" vacuum H₂O)
Engine	TIER 3: CAT C9 ACERT, 205 kW (275 hp), 1 800 rpm TIER 4: CAT C9.3, 224 kW (300 hp) 1 800 rpm

Optimized center of gravity



SAVE MORE, POLLUTE LESS

The DPi series technical solutions respect the environment. Compared with the conventional DP series, the new rigs consume 15% less fuel – which means a considerable reduction in CO₂ emissions.

Example:

2 500 engine hours with a Sandvik DPi decreases CO₂ emissions by 35 tons!

Your best productivity partner lets you relax

STRONG, NIMBLE AND A FRIEND TO THE ENVIRONMENT

With the Sandvik DPi, you will receive a fast and nimble rig that is easy to turn. At the same time, their balance is excellent – the **optimized center of gravity** keeps rig balance unchanged even when oscillation is unlocked.

A large fuel tank keeps the Sandvik DPi series rigs drilling for two shifts without stopping. They won't let you down in any temperature: ambient-controlled oil cooler fans for oversized coolers and a fuel cooler take care of that.

The Sandvik DPi series is also designed to be a friend to the environment. Low fuel consumption is achieved with smart solutions like load-sensing compressor pressure control, active diesel RPM control and ambient oil cooler fan control.

SERVICE AS EASY AS IT GETS

You can say that service is as easy as it gets in the Sandvik DPi series. Thanks to the **clear layout and gullwing-type service doors**, it is easy to reach the components when they need service and the daily and weekly service points are accessible from the ground level. All oil removals are centralized. Hydraulics will not give you any problems – it is kept very simple and well-organized.

NO TIME SPENT FOR BOOTLESS SEARCH

Even the best of machines have occasional breakdowns. In the earlier days, fault finding could take a long time but now Sandvik provides a way to locate the cause quickly and easily. The Sandvik DPi series rigs supply a self-diagnostics system that excludes the non-functioning circuits and shows where the fault is. The rigs also offer smart and practical **step-by-step trouble-shooting instructions**. You just need to follow them to get the machine up and running again.



Gullwing-type doors make service easy



Wide tracks for excellent balance



Simulator-aided operator training



SanRemo® productivity service



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 problems occur. But we at Sandvik prefer seeing it more as a question of being proactive. Investment in pre-planned 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 period, up to 3 years or to 5000/7000 engine hours. The Security+ comes in five levels: Platinum, Gold, Silver, Diamond and Engine.

Sandvik **filter kits** offer a tested selection of all filters required for periodical maintenance: engine oil filters, hydraulic oil filters, fuel filters, air filters and breathers.

Sandvik **remanufactured components** are carefully cleaned and remanufactured. Going through the same inspection process as the new components, they supply a high quality and cost-efficient alternative.

Sandvik service contracts let you concentrate on your main processes. They come in different levels so you can choose a program that meets your particular needs.

Sandvik drill steel, ready-made maintenance kits and **genuine spare parts** ensure trouble-free drilling and maximize productivity.

THERE IS ALWAYS SOMETHING MORE TO KNOW

Sandvik **operator training concept** offers authorized trainers, a modular curriculum and practice with a simulator as well as in real job site conditions.

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 improve your competence in quarry or open pit management.

GLOBAL NETWORK

Sandvik has a wide network of professional service technicians spread in every corner of the world. They are only a local phone call away when you need help.

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. In 2011 the Group had about 50 000 employees and representation in 130 countries, with annual sales of more than 94 000 MSEK.

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.

