

# Sandvik DX series

## Get it straight



# Enjoy drilling Call the shots

If you want to avoid drill holes going astray, turn to Sandvik DX surface top hammer drills. Previously known under the name of Tamrock Ranger Rock Pilot, the Sandvik DX drill rigs successfully bring together their heritage and the latest drilling innovations.

## SHOOT STRAIGHT. YOUR PRODUCTIVITY TAKES OFF

The Sandvik DX series surface top hammer drills feature strong CAT diesel engines that deliver pertinent power for the hydraulics and compressor. An optimal power pack and highly productive HL series hammer for each model with outstanding percussive and rotational power bring excellent results in every hole size between 51 - 127 mm (2" - 5").

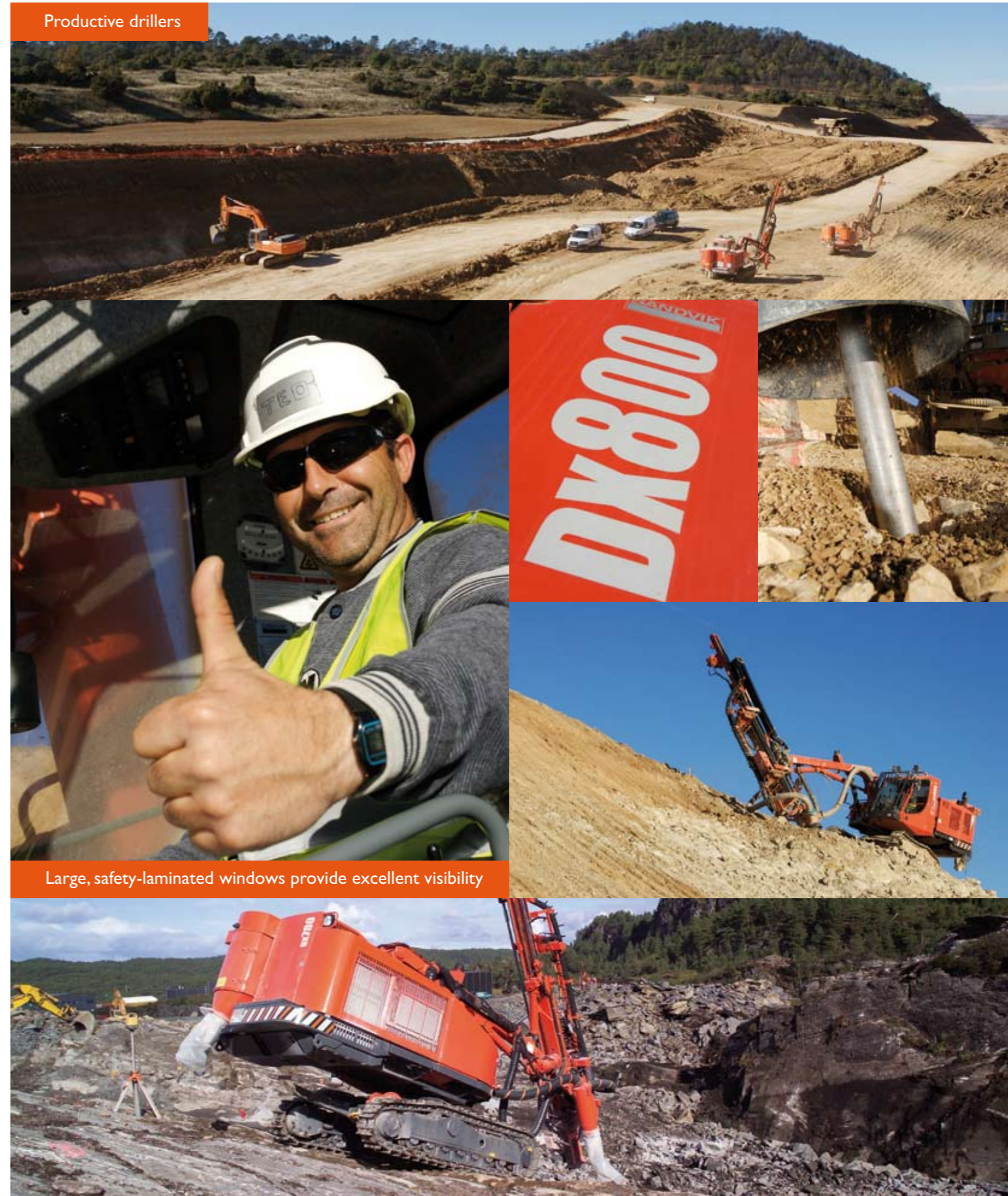
The **super-fast drilling control** in the DX series adjusts automatically to changing rock formations, sending an **optimal amount of power** to the rock. Together with Sandvik rock drilling tools, it guarantees smooth drilling, straight holes and excellent performance even in the most difficult ground conditions. Hole quality rockets and steel life is extended substantially.

## STAY IN COMMAND OF EVERY SITUATION

The Sandvik DX rigs' articulated boom is mounted on a **revolving** (120° standard/180° optional) **superstructure**, offering a huge drilling coverage of 17.6 m<sup>2</sup> (189 ft<sup>2</sup>) - 26,4 m<sup>2</sup> (248 ft<sup>2</sup>) optionally - and letting the operator face towards the drilling spot at all times. The rig's stability is rock solid; the power pack is placed crosswise at the rear end of the superstructure to keep counterweight on the opposite side of the boom regardless of drilling direction. This allows easy drilling even in rocky, uneven terrain or on steep slopes.

**Quick reach and fast spotting** reduce set-up time and let you drill more holes, faster, from a single set-up. Drilling is controlled by a single proportional joystick and routine functions such as anti-jamming are executed automatically. The DX rigs provide **excellent fuel economy** and are equipped with a big fuel tank that keeps the machines drilling for more than 12 hours without a stop. For increased safety in difficult conditions, driving, rear jack operation and winch control can be done via an optional remote control box.

Productive drillers



Silent drilling



The Sandvik TIM measuring system guarantees hole accuracy. It is available in three models.

- TIM 2305 for laser-level based hole inclination and depth
- TIM 2303 for hole inclination and depth
- TIM 2302 for hole inclination

## Appreciating safety Respecting the environment

### ABSOLUTE OPERATOR COMFORT

The Sandvik DX series machines comfortable ROPS/FOPS certified cabin offers safe working conditions. Their **first-rate air filtration and advanced air conditioning** keep the cabin air fresh and clean, and the temperature enjoyable. Visibility from the cabin is excellent thanks to the large, safety-laminated windows. Among the other DX series features offering a great working environment are adjustable and comfortable seat, excellent lighting and outstanding noise suppression.

The series also features **fully-fledged, high-suction capacity dust collectors**. Their efficient design ensures low level of unwanted emissions to the environment, and brings dust collector noise and power consumption to an all-time low.

### A BREATH OF FRESH AIR. AN EARFUL OF SILENCE

The Sandvik **NoiseGuard** muffler system, available as an option, helps in meeting the ever increasing noise restrictions in urban areas as it significantly decreases the level of drilling noise. The system has a **suppression capacity of 10 dB (A)** in external noise and it also lowers cabin noise levels considerably. The Sandvik NoiseGuard is the perfect choice for civil engineering sites and quarries.

The Sandvik **DustMizer**, also available optionally, offers a breath of fresh air to job sites. The system binds dust by spraying a water and natural agent mix into the rock drill flushing air. Additionally, the mix is sprayed to the lower end of the dust collector. The resulting mist suppresses the dust and transforms it into a **harmless damp and grainy soil**. The manually adjustable spray volume is fully able to meet the needs of each individual rock type.

DX drills are an ideal choice for construction, quarrying, or surface mining operations



Simple controls. Absolute comfort



## TECHNICAL SPECIFICATIONS

### DX500

Hole diameter	51 - 89 mm (2 - 3 1/2")
Drill steel	32, 38, 45 mm (1 1/4", 1 1/2", 1 3/4")
Weight	14 500 kg (32 000 lbs)
Width	2,5 m (8')
Length	7,2/10,7 m (12'/11')
Height	3,6/3,2 m (24'/33')
Rock drill	HL 510, 15,5 kW (21 hp)
Tramming speed	3,5 km/h (2.2 mph)
On-board compressor	6,2 m³/min/4-10 bar (220 cfm/min/58-145 psi)
Dust collector	23 m³/min at 1 000 mm vacuum H₂O
Engine	Caterpillar C7 151 kW (202 hp) / 2 200 rpm

### DX680

Hole diameter	62 - 102 mm (2 1/2" - 4")
Drill steel	38, 45, 51 mm (1 1/2", 1 3/4", 2")
Weight	14 500 kg (32 000 lbs)
Width	2,5 m (8')
Length	7,2/10,7 m (12'/11')
Height	3,6/3,2 m (24'/33')
Rock drill	HL 650, 17,5 kW (23.5 hp)
Tramming speed	3,5 km/h (2.2 mph)
On-board compressor	6,2 m³/min/4-10 bar (220 cfm/min/58-145 psi)
Dust collector	23 m³/min at 1 000 mm vacuum H₂O
Engine	Caterpillar C7 151 kW (202 hp) / 2 200 rpm

### DX700

Hole diameter	64 - 115 mm (2 1/2" - 4 1/2")
Drill steel	38, 45, 51 mm (1 1/2", 1 3/4", 2")
Weight	14 800 kg (32 600 lbs)
Width	2,5 m (8')
Length	7,2/10,7 m (12'/11')
Height	3,6/3,2 m (24'/33')
Rock drill	HL 710, 19,5 kW (26 hp)
Tramming speed	3,5 km/h (2.2 mph)
On-board compressor	8,1 m³/min/4-10 bar (285 cfm/min/58-145 psi)
Dust collector	23 m³/min at 1 000 mm vacuum H₂O
Engine	Caterpillar C7 151 kW (202 hp) / 2 200 rpm

### DX780

Hole diameter	64 - 115 mm (2 1/2" - 4 1/2")
Drill steel	38, 45, 51 mm (1 1/2", 1 3/4", 2")
Weight	14 800 kg (32 600 lbs)
Width	2,5 m (8')
Length	7,2/10,7 m (12'/11')
Height	3,6/3,2 m (24'/33')
Rock drill	HL 800 T, 19,5 kW (26.5 hp)
Tramming speed	3,5 km/h (2.2 mph)
On-board compressor	8,1 m³/min/4-10 bar (285 cfm/min/58-145 psi)
Dust collector	23 m³/min at 1 000 mm vacuum H₂O
Engine	Caterpillar C7 151 kW (202 hp) / 2 200 rpm

### DX800

Hole diameter	64 - 127 mm (2 1/2" - 5")
Drill steel	38, 45, 51 mm (1 1/2", 1 3/4", 2")
Weight	14 900 kg (32 900 lbs)
Width	2,5 m (8')
Length	7,2/10,7 m (12'/11')
Height	3,6/3,2 m (24'/33')
Rock drill	HL800 T, 21 kW (28.2 hp)
Tramming speed	3,5 km/h (2.2 mph)
On-board compressor	9,6 m³/min/4-10 bar (340 cfm/min/58-145 psi)
Dust collector	23 m³/min at 1 000 mm vacuum H₂O
Engine	Caterpillar C7, 168 kW (225 hp) / 2 200 rpm

No task too challenging



The famous ROPS- and FOPS-certified safety cabin's heavy-duty construction protects the operator like a safety box and keeps the noise levels well under 80 dB (A).



Where other drills fear to tread



Sandvik rock tools are renowned for their great reliability, excellent and even quality and long service life. Providing outstanding tool economy and low total drilling cost, they ensure good hole quality and the best possible blasting results.



Our target at Sandvik is to design drills that do their individual jobs exceptionally well. Therefore, our engineers are constantly exploring the possibilities for technology and process development at job sites, in the offices, at the factories.



# 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 preplanned service and tools like Sandvik SanRemo and Security+ warranty program will help you protect your business from unexpected risks.

Sandvik's **SanRemo service system** includes a productivity gauge and a GPS locator. The system tells you the load put on a machine and allows you to compare information on different machines. You can plan your production, services, schedules and transportations well ahead. Moreover, Sandvik can supply you with a spare parts recommendation. You will also get a maintenance card that increases the resale value of your drill. SanRemo is accessible via the Internet.

The Sandvik **Security+ warranty program**, extends the standard one-year warranty to a two year protection period. You can choose from three levels of coverage: Platinum, Gold and Silver – whichever you feel best suits your needs.

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

The new Sandvik **operator training concept** offers you authorized trainers and a modular curriculum - you can choose which modules suit best for your purposes. You can also choose to practice your skills with Sandvik SimDriller drilling simulator without any risks to people or the rig.

The Sandvik **SimQuarry™** is a smart but practical simulation tool for rock excavation process optimization. It is used to define the best combination of equipment, finetune your excavation and discover the ways of improving your profitability. 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 3 500 service technicians spread in every corner of the world. They are only a local phone call away when you need help.



Maintenance kits maximize productivity

# 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 40 000 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 under ground, in all mineral, coal and metal mining applications from exploration to ore transportation.

