

Sandvik DC on tyres

The little drill that can



Small but powerful

When you need to do small diameter drilling – in the **22 to 45 mm** (7/8” to 1 3/4”) hole range – that involves foundation drilling, road cutting, trenching, bolting tasks, demolition, or dimensional stone applications, you know the drill. Just call in the small but powerful drilling force, the Sandvik DC120 series rig.

The Sandvik DC120 series rigs are especially designed to attack the toughest conditions. They are hydraulic, self-propelled drilling machines on a four-wheel drive carrier, perfect for maneuvering in tight places.

YOU KNOW THE DRILL

When first introduced in 1988, the DC120 series rigs, at the time known as Tamrock Commandos, revolutionized manual

drilling. These rigs were immediately able to do the work of up to five men working with conventional hand drills which, of course, meant better performance and increased productivity.

Simple and robust, the DC120 series roll-over lets the operator **drill in any direction** – down, up, or horizontally. The carrier design is advanced, modern and practical – and well-proven in numerous job sites around the globe.

The Sandvik DC120 series comes in three different models. The DC120 has direct hydraulic controls. The DC121R is equipped with radio remote controls for drilling and boom movements, and the DC125R with radio remote controls for all operations.



Introduced in 1988, the original small drilling force revolutionized manual drilling.



The perfect choice for challenging jobs



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, and at the factories.

Functional simplicity

Nimble mobility

Sandvik DC125R is the newest member to well-proven, high-quality Sandvik DC family of compact top hammer drill rigs. It is a fully remote-controlled, hydraulic and self-propelled unit, offering top-rate mobility, great serviceability and low fuel consumption.

SMOOTH MOVES

A range of job site tests show that the DC125R offers excellent maneuverability, better than ever before. New powerful drive gears make the rig invincibly nimble and mobile, guaranteeing safety of operation even in the most difficult ground conditions. An advanced winch with roller-type rope guides further enhances rough terrain safety.

Thanks to its simplified body structure, easily interchangeable drive gears and a modern type of simple-structured dust collector, the rig is easy to maintain. Further adding to the

user-friendliness of the rig are centralized oil changing spot, straightforward hose routing and electrical component module.

STAY COOL

The DC125R is designed to stay cool in every situation. Its cooling system keeps the rig running smoothly, and an externally placed silencer reduces heat load in engine compartment. An ambient temperature-controlled cooling fan brings considerable savings in fuel consumption.

Refreshed design gives the rig an appealing outlook, and six working lights guarantee visibility even during the dark hours. Similar to other DC rigs on tyres, the Sandvik DC125R is at its best in applications such as foundation drilling, road cutting, trenching, bolting, line drilling in dimensional stone quarries, and other special drilling tasks.



The user-friendly DC125R offers better maneuverability than ever before.

Outstanding mobility



User-friendly



Sandvik DCI25R

Product walkaround



Efficient HEX I
rock drill



Radio remote control



Efficient working lights



Powerful drive gears

Examples of options:



Bit grinder



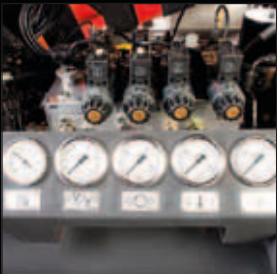
Chain tracks for difficult terrain



Winch with roller type of rope guides



Detachable mudguards for easy maintenance



Clear and simple gauges



Practical location for electrical cabinet



Efficient DC120 dust collector with new control valve



Emergency stops for safe rig operation



One electrical components module for easy troubleshooting



Modern cooling system with ambient temperature controlled fan for excellent energy-efficiency.



Centralised oil removal – hoses to facilitate oil changing



Clear warning signs for safe rig operation



Simplified routing of cabling and hosing

Powerful and efficient

The Sandvik DC120 series offers high performance in compact size. The machines feature a powerful 37 kW (50 hp), four-cylinder CAT C2.2 engine and a dynamic HEX 1, 5.5 kW (7.4 hp) drifter that make them fast drillers, cutting down costly non-drilling time, and much higher penetration.

The DC120 rigs will help you save drill steel because of their easy collaring and an **advanced anti-jamming system** which automatically adjusts power to handle changing rock conditions. Not to mention that the DC120 series delivers excellent hole quality because of **simultaneous drilling and boom operations** and smooth boom control. For even better hole accuracy, an optional Sandvik TIM hole inclination measuring system is available.

TOP MOBILITY

These little drills have been designed to optimize mobility. The four-wheel drive with **a hydraulic motor in each wheel** and a 300 mm ground clearance guarantee that the DC120 rigs can go almost anywhere –

they are perfect for maneuvering in tight places and on hilly, rocky terrain. Chain tracks and a winch over 20 degree gradeability are available optionally for additional mobility.

Thanks to the low weight – around 3 000 kilos – and compact size, these drills can easily be transported on a trailer between job sites.

PERFECT FIT FOR URBAN AREAS

The Sandvik DC120 series rigs substantially improve job site conditions and therefore suit well for densely populated areas. Hydraulic-driven dust collectors and efficient mufflers keep dust and noise levels low. Low fuel consumption and the possibility to use biodegradable oils make the rigs environmentally friendly.

The carrier design gives the rigs an appealing appearance. The machines' unique design and component layout make service simple and easy so unproductive downtime is cut down significantly.



SANDVIK TIM ANGLE INDICATION SYSTEM GUARANTEES HOLE ACCURACY.

For DCI 20, DCI 21R and DCI 25R, the system is available in three models:

- *TIM 1404 for hole inclination and depth with automatic alignment of the feed*
- *TIM 1403 for hole inclination and depth*
- *TIM 1402 for hole inclination*

For DC301R and DC302R, TIM 2104 for hole inclination is available.





Sandvik rock tools are renown 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.



Big brother for bigger tasks

BIG BROTHER TAKES ON

When you need a mobile and compact drill in 38–64 mm (1 ½–2 ½”) hole range, the Sandvik DC300 series rigs are the choice. These rigs are big brothers to the DC120 series rigs – they are hydraulic, self-propelled drilling units on a 4-wheel oscillated drive carrier.

The series is available in two different models. The DC301R is equipped with radio remote controls for drilling and boom, and the DC302R with full radio remote for drilling, boom and tramming. Remote controls ensure easy operation, excellent visibility and operator safety.

The HL300 8 kW (10.7 hp) hydraulic rock drill in both models guarantees top performance in this rig class.

The Sandvik DC300 series machines are extremely versatile and compact. They are equipped with a roll-over boom meaning that drilling into any direction – up, down, horizontal – is possible. Excellent rough terrain capabilities are guaranteed by 4-wheel drive and oscillation with 380 mm ground clearance. For very demanding ground conditions, chain tracks are available as an option.



Technical specifications

	SANDVIK DC120	SANDVIK DC121R
Hole diameter	22–45 mm (7/8–1 3/4")	22–45 mm (7/8–1 3/4")
Drill steel	Integral 19, 22, 25 mm (3/4", 7/8", 1")	Integral 19, 22, 25 mm (3/4", 7/8", 1")
Weight	2 710 kg (5 975 lbs)	2 800 kg (6 175 lbs)
Width	1,8 m (5.11')	1,8 m (5.11')
Height	2,2 m (7.22')	2,2 m (7.22')
Length	4,5 m (14.8')	4,5 m (14.8')
Rock drill	HEX1 5,5 kW (7.4 hp)	HEX1 5,5 kW (7.4 hp)
On-board compressor	1,2 m ³ /min/4–8 bar (42 cfm/min/58–116 psi)	1,2 m ³ /min/4–8 bar (42 cfm/min/58–116 psi)
Dust collector	5 m ³ /min at 855 mm vacuum H ₂ O (177 cfm/min at 33.7" vacuum H ₂ O)	5 m ³ /min at 855 mm vacuum H ₂ O (177 cfm/min at 33.7" vacuum H ₂ O)
Engine	CAT C2.2 37 kW (50 hp)/2 800 rpm	CAT C2.2 37 kW (50 hp)/2 800 rpm
Control system	Direct hydraulic for drilling and tramming	Radio remote for drilling and boom, direct hydraulic for tramming



SANDVIK DC125R	SANDVIK DC301R	SANDVIK DC302R
22–45 mm (7/8–1 3/4")	38–64 mm (1 1/2–2 1/2")	38–64 mm (1 1/2–2 1/2")
H19, H22, H25, R23 and R25	25, 28, 32 mm (1", 1 1/8", 1 1/4")	25, 28, 32 mm (1", 1 1/8", 1 1/4")
3 150 kg (6 988.7 lbs)	5 300 kg (11 685 lbs)	5 300 kg (11 685 lbs)
1,85 m (6.07')	2,3 m (7.9')	2,3 m (7.9')
2,45 m (8.04')	2,6 m (8.5')	2,6 m (8.5')
4,70 m (15.42')	5,6 m (18')	5,6 m (18')
HEX1 5,5 kW (7.4 hp)	HL 300, 8 kW (10.7 hp)	HL 300, 8 kW (10.7 hp)
1,2 m ³ /min/4–8 bar (42 cfm/min/58–116 psi)	2,5 m ³ /min/4–8 bar (89 cfm/min/58–114 psi)	2,5 m ³ /min/4–8 bar (89 cfm/min/58–114 psi)
5 m ³ /min at 855 mm vacuum H ₂ O (177 cfm/min at 33.7" vacuum H ₂ O)	10 m ³ /min at 950 mm vacuum H ₂ O (356 cfm/min at 37" vacuum H ₂ O)	10 m ³ /min at 950 mm vacuum H ₂ O (356 cfm/min at 37" vacuum H ₂ O)
Cat C2.2 37 kW / 2800 rpm (50 hp)	CAT C4.4 61 kw (81 hp)/2 000 rpm	CAT C4.4 61 kw (81 hp)/2 000 rpm
Full radio remote for drilling, boom and tramming	Radio remote for drilling and boom	Full radio remote for drilling, boom and tramming

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 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.

*Not available for rubber-tired DC rigs



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.



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.

