SANDVIK

Dino™ DC420Ri

Reach further.
Exceed expectations.



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Made to exceed expectations

Continuous drilling up to

14 meters

18 m^2 coverage area

Dino™ DC420Ri is an agile all-terrain drill rig that offers unyielding stability, mobility and drilling performance to help you exceed expectations.

Developed to meet even the most demanding needs, it is at its best in cramped urban construction sites as well as in demanding quarry and infrastructure applications. The fully radio remote controlled drill rig comes with a proven rock drill and provides extensive coverage area.

The up-to-date drill considers its surroundings: with an upgraded Stage V engine and a noise shield to dampen the drilling sound, Dino™ DC420Ri consumes less fuel, produces fewer emissions and causes less disturbance to the surrounding environment.



The latest new features





High frequency rock drill for high performance drilling

Dino™ DC420Ri features a high frequency RD414 rock drill with 14 kW output power and a fast acting stabilator, which ensures optimal drilling performance and high rock tools service life. Together with the iSeries torque controlled drilling system, the RD414 delivers superior penetration rates.

For accurate and stable operation, the drill's collaring guide significantly improves hole straightness, while its rigid boom provides optimal feed support during drilling.

14 kW
output power

Hole diameter
51–76 mm
(2”–3”)



Unmatched productivity

With a vast 18 m^2 (193 ft^2) coverage area, Dino™ DC420Ri allows drilling numerous holes with the same setup. This translates into time-savings, as there is less need to move and reposition the rig between drilling different holes.

Additional options
Feed auto-aligning. Contractors aiming for minimal set-up times can also select the feed auto-aligning option, which maintains the alignment of the feed beam at the preset angle even if the position of the boom changes from one hole to the next.

Hydraulic roll-over. The hydraulic roll-over offers extra flexibility to use the Dino™ DC420Ri also for bolt hole drilling. A hydraulic roll-over head is mounted to the boom head allowing the feed cradle and the feed to rotate 360 degrees.

One-hole automatics.Enjoy easy and consistent operation with One-hole automatics option enabling automatic drilling up to 14 meters. With the option the rig performs the whole drilling cycle automatically, including uncoupling.

Advanced digital controls

The fully remote controlled Dino™ DC420Ri features a completely new control system with integrated TIMi drill navigation and a screen display. Along with the already well-proven performance-enhancing TIMi features, its novel functionalities include for example laser level for hole depth and third party drill stop.

New control system combined with the visual 7” touch screen display helps you to scan and track operation easily. For instance, you can keep track of fuel level via the screen display, if you choose to have the electric fuel filling pump option.

Dino™ DC420Ri’s heavy-duty radio controller is easy to use even with gloves on. By adding the optional remote screen, you can comfortably extend the distance from the drill and still stay on track with drilling parameters.

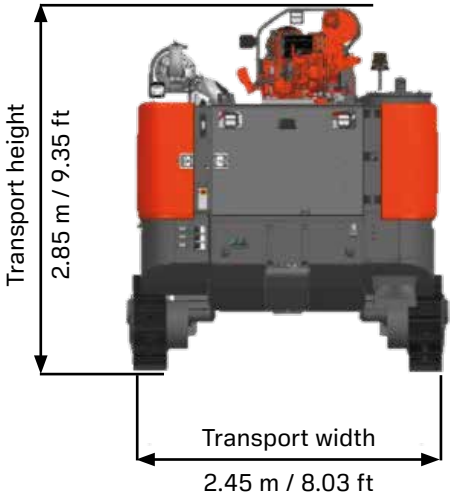


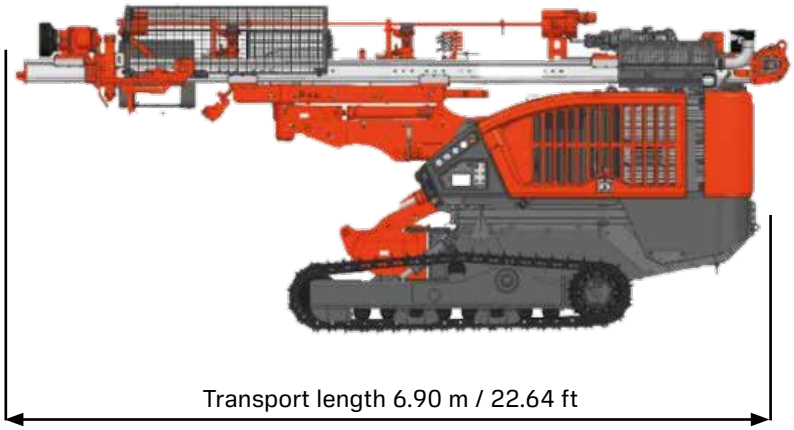
Easy maintenance and transport

With Dino™ DC420Ri, keeping your machine at its peak performance is easy. All service points can be accessed effortlessly, and daily checkpoints can be reached from ground level.

Thanks to its compact design and small transport dimensions, Dino™ DC420Ri can be easily moved from a job site to another with a variety of different transport vehicles.

Transport dimensions





Weight abt. 11 000 kg / 24 250 lbs (without options)

Optional features & equipment

To further boost your efficiency and performance, there are several additional features available for Dino™ DC420Ri.

Some of our popular options

- Feed auto-alignment for TIMi
- Knowledge Box
- Rod changer for 3 rods (not available with roll-over)
- Drilling noise silencer NoiseShield-DC
- Hydraulic roll-over
- Water flushing
- Remote screen interface
- Hydraulic winch
- One-hole automatics
- SLU based thread greasing
- Central lubrication system
- Electric fuel filling pump
- Heater for engine, SLU and water tank
- DustMizer
- Flap feeder and precyclone for dust collector
- Grinder (Sandvik RG400)
- Hydraulic connection for grinder

Dino™ DC420Ri

Recommended hole diameter	51–76 mm (2”–3”)
Drill rod/tube diameters	R32, T35, T38
Hydraulic rock drill RD414	14 kW / 19 hp
Engine type	Volvo Penta TAD580VE (Stage5)
Engine output power	105 kW at 2 200 rpm / 141 hp at 2 200 rpm
Flushing air capacity	3,5 m^3 / min
Control method	Radio remote



Want to know more?

or contact your local Sandvik representative.