

# Dino DC400Ri

## Surface Top Hammer Drills



Dino DC400Ri is a hydraulic, self-propelled, self-contained, crawler based surface drilling unit with full radio remote control.

Typical applications for DC400Ri are road construction, demolition works, secondary breaking, foundation drilling and trenching. Therefore DC400Ri is most often used by construction contractors, quarries and the municipal sector. Due to its versatility DC400Ri is perfect machine for drilling and blasting contractor.

Hole Diameter:	51 - 76 mm (2" - 3")
Rock Tools:	R32, T35, T38
Rock Drill:	14 kW
Engine Output:	105 kW (Tier4 final)
Flushing Air:	3,5 m <sup>3</sup> /min, up to 8 bar
Production Capacity:	600 - 1200 m <sup>3</sup> /8h
Total Weight	abt. 10 000 kg

## HYDRAULIC ROCK DRILL

Rock drill type	RD414
Drill rod diameters	R32, T35, T38
Operating pressure	110 - 220 bar
Percussion rate	56 - 78Hz
Percussion output power	14 kW
Maximum rotation torque	680 Nm
Shank lubrication	Air / oil mist
Flushing	Air
Weight	180 kg

## FEED

Chain feed type	CF400
Length of feed	6550 mm
Rock drill travel	3800 mm
Max. length of starter rod	4270 mm (14')
Hole depth with starter rod	3510 mm
Feed/pull out force	15 kN
Front centralizer	Pito 4
Travelling centralizer	n/a
Feed extension travel	1300 mm
Feed swing	45/45°
Feed tilt	119°

## ROD CHANGER

Rod handler type	RC400 one rod add
Storage capacity	1 + 1
Steel lengths	14' + 12' + 10'
Max. hole depth	10 m+

## BOOM

Boom type	DB410, articulated
Boom reach	5,2 m
Boom swing	+/- 45°
Drilling coverage on flat	18 m <sup>2</sup>
Collaring height	+1650 mm / -4150 mm
Horizontal holes	forward only

## HYDRAULIC SYSTEM

Hydraulic system type	Electric load sensing
Filtration rate	10 micron abs.
Cooling capacity	up to +50°C ambient
Hydraulic oil tank	235 l
Shank lubrication device	SLU, 14 l

## POWERPACK

Engine type	Volvo Penta TAD570VE Tier4F
Number of cylinders	4
Engine output	105 kW
Transmission type	Gearbox
Hydraulic pumps	Electro-hydraulic pressure control
Screw compressor type	Enduro 12
Air flushing capacity	3,5 m <sup>3</sup> /min
Flushing air pressure	4 - 8 bar
Air filters	2 pcs
Fuel tank	210 l
Max. operating altitude	3 000 m
Fuel saving system	Standard

## CONTROL SYSTEM

Type	Intelligent drilling control system
Antijamming system	Controlled by I/O-module and software
Voltage	24 VDC
Boom and drilling control	Radio remote
Driving and jack control	Radio remote

## DUST COLLECTOR

Dust collector type	DC400H
Capacity/vacuum	16 m <sup>3</sup> /min at 855 mm vacuum H <sub>2</sub> O
Filter elements/material	9 pcs / fiber
Total filter surface	7,2 m <sup>2</sup>
Hydraulic motor output	9 kW
Weight	108 kg

## CARRIER

Type	Track mounted
Track type	FL 4
Grouser plate width	250 mm
Ground contact length	2450 mm
Ground pressure	0,8 kg/cm <sup>2</sup>
Ground clearance	400 mm
Oscillation angles	+/- 10°
Tramming force	100 Kn
Max. tramming speed	3,2 km/h

## STANDARD COMPONENTS

Rock drill	RD414
Chain feed	CF400
Rod Handler	One rod add
Boom	DB410; articulated
Carrier	Track mounted
Power Pack	Diesel engine, hydraulic pumps and on-board compressor
Control System	Integrated, radio remote controlled
Dust Collector	DC400H
Gauge Set	For rock drill accumulators
Safety Device	Required by CE
Manuals	1 x paper copy 1 x CD-ROM (Toolman)

## THE JAWS FOR DRILL STEELS

Drill steel type	Drill steel diameter	Recommended hole diameter
R32	R32 / 32 mm	51 – 76 mm
T35	T35 / 39 mm	54 – 76 mm
T38	T38 / 39 mm	64 – 76 mm
If several jaws selected please specify jaws assembled		

### Standard features:

Hose reel
Real time rock drill position
Stainless steel strips for feed
Safety cage for feed (After 12/2014)
Pressure filter for percussion line
Torque control
Led Lights 6 pcs
Oil heating circulation
Flushing control automatics
Shutdown of suction for waterholes

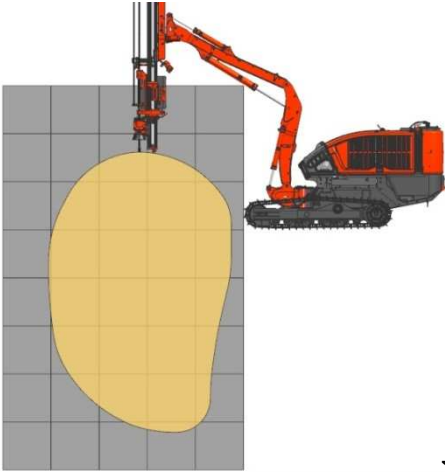
## SELECTION OF OPTIONS

1.	Spirit level angle indicator
2.	TIM 5200 for vertical holes
3.	TIM 5300 for vertical holes and depth measuring
4.	TIM 6300 and GPS for inclined holes and depth measuring
5.	TIM 6500 and GPS for inclined holes, depth measuring and laser level
6.	Kit for alternative steels, each
7.	SLU based thread greasing
8.	Central lubrication system Sandvik
9.	Electric fuel filling pump
10.	Hydraulic winch

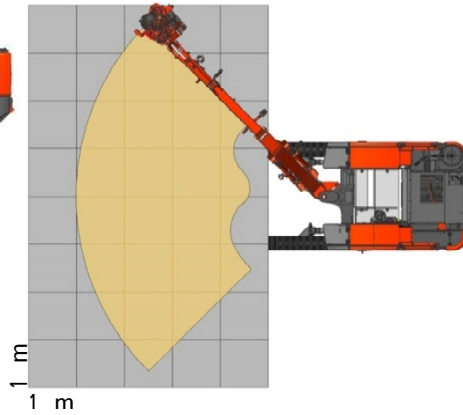
11.	Fuel powered heater for engine, SLU and water tank
12.	Flap feeder for dust collector
13.	Grinder Sandvik RG400
14.	Spare radio remote transmitter
15.	First service kit for DC400
16.	Special tools for RD414, field kit
17.	SanRemo - select level from extra item

## COVERAGE AREA

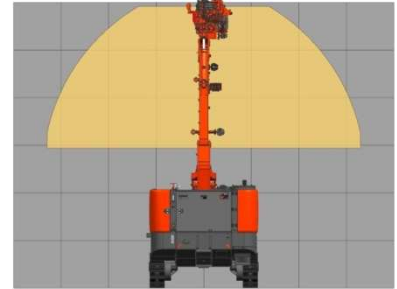
Vertical drilling



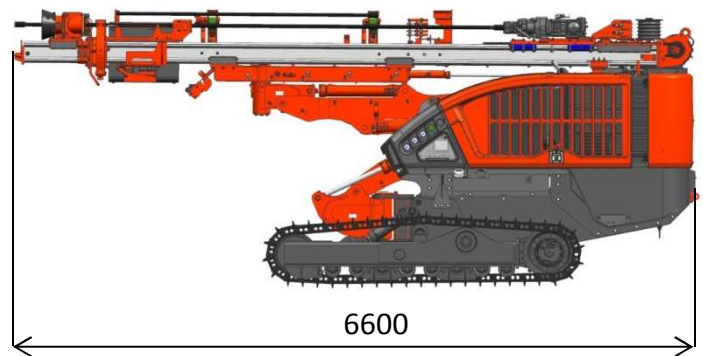
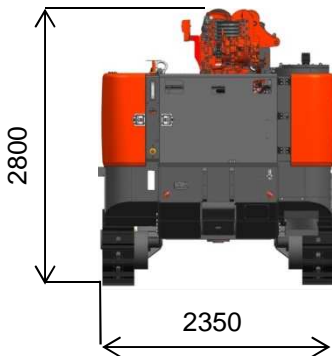
Vertical drilling



Horizontal drilling, forwards



## TRAMMING AND TRANSPORT DIMENSIONS



Weight (without options)	Abt. 10 000 kg
Width	2350 mm
Height	2800 mm
Total length	6600 mm

Sandvik Mining and Construction reserves the right to change this specification without further notice.

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