

Ranger 500 SURFACE DRILLS

TECHNICAL SPECIFICATION



Sandvik DX500 is a hydraulic, self-propelled, self-contained, crawler based surface drilling rig equipped with a cabin (F.O.P.S. and R.O.P.S.) and rod handling system.

Typical applications for DX500 are road cutting, pipeline drilling and foundation drilling, as well as production drilling in medium size quarries. Therefore DX500 is most often used by construction contractors, mines and quarries, and also included in the equipment fleet of rental houses as well.

Hole Diameter:	51 - 89 mm (2" - 3 ½")
Rock Tools:	32, 38 or 45 mm (1¼", 1½", and 1¾")
Rock Drill:	15,5 kW
Engine Output:	151 kW
Flushing Air:	6,2 m ³ /min, up to 10 bar
Production Capacity:	2 000 m ³ /8h
Total Weight	14 500 kg

STANDARD COMPONENTS

Rock drill	HL 510
Feed	CF 145H
Rod handler	RH 714 incl. 1 set of jaws
Boom	DB 800H, articulated
Carrier	Track mounted, turnable superstructure
Powerpack	Diesel driven, hydraulic pumps and on-board compressor
Hydraulic system	Load sensing and open center
Control system	THC 700
Movable drill steel support	
Cabin	F.O.P.S. and R.O.P.S.
Dust collector	DC 800 H, hydraulic
Working lights	9 pcs.
Gauge set	For accumulator pressure checking
Reversing alarm	
Manuals	Service and spare parts manuals: 1 x paper copy 1 x CD-ROM (Toolman)

SELECTION OF OPTIONS

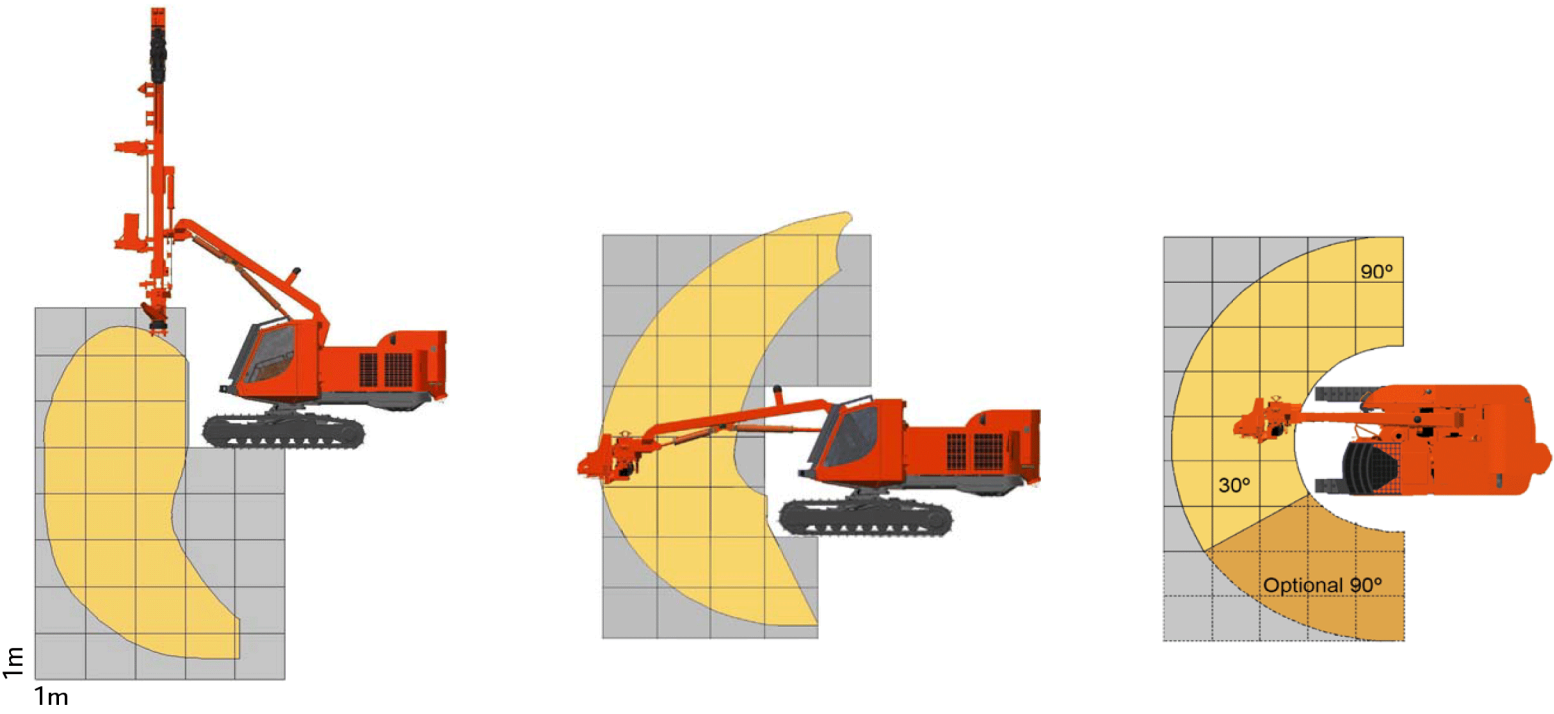
1.	Turnable superstructure 180°
2.	Air conditioning
3.	Rod greasing system
4.	P&Q electric vertical angle indicator (± 6 deg.)
5.	Electric angle indicator TIM 2302 with aiming unit
6.	Measuring system TIM 2303 with aiming unit
7.	Laser based measuring system TIM 2305
8.	Electric filling pump for refuelling
9.	Remote control box; for rear ground support, driving and oscillation
10.	Remote control box + hydraulic winch with cable tightness automatics (replaces and includes previous option)
11.	Hydraulic rear ground support
12.	Three-bar grouser plates
13.	Towing hook
14.	Guides for grousers
15.	Fuel operated heater for cabin, hydr. oil and engine
16.	Flushing control automatics

THE JAWS FOR DRILL STEELS

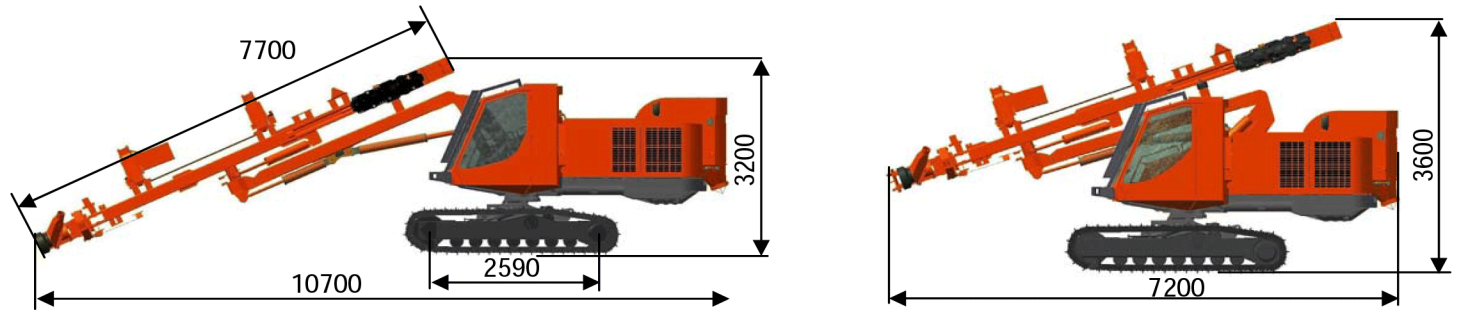
Drill steel type	Drill steel diameter	Recommended hole diameter
Extension rods	32 mm	45 - 57 mm
	1 ¼"	1 ¾" - 2 ¼"
MF-rod	32 mm	45 - 57 mm
	1 ¼"	1 ¾" - 2 ¼"
Extension rods	38 mm	64 - 70 mm
	1 ½"	2 ½" - 2 ¾"
MF-rod	38 mm	64 - 70 mm
	1 ½"	2 ½" - 2 ¾"
Extension rods	45 mm	76 - 89 mm
	1 ¾"	3" - 3 ½"
MF-rod	45 mm	76 - 89 mm
	1 ¾"	3" - 3 ½"

Note: Not with 10' MF-rods. If several jaws selected please specify jaws assembled.

17.	Shut down of suction for water holes
18.	Sanrock Mini H hydraulic bit grinder
19.	Hose reel (not with 14' rods)
20.	Primary separator PE 50
21.	Horizontal drilling kit (includes hose reel)
22.	Radio with CD player
23.	Central lubrication system
24.	Kit for alternative steels
25.	Water injection system with tank
26.	Water injection system w/o tank
27.	Biodegradable hydraulic oil, Shell naturelle HFE 46 or HFE 68 (synthetic ester)
28.	Extra manuals
29.	First service kit for DX500
30.	Special tools for HL 510, field kit, ID 880 817 19
31.	Special tools for HL 510, complete ID 152 257 68
32.	Antifreeze for air lines
33.	Dustmizer system



TRAMMING AND TRANSPORT DIMENSIOIS



Weight (without options)	14 500 kg
Width	2.5 m
Height	3.6 m / 3.2 m
Total length	7.2 m / 10.7 m