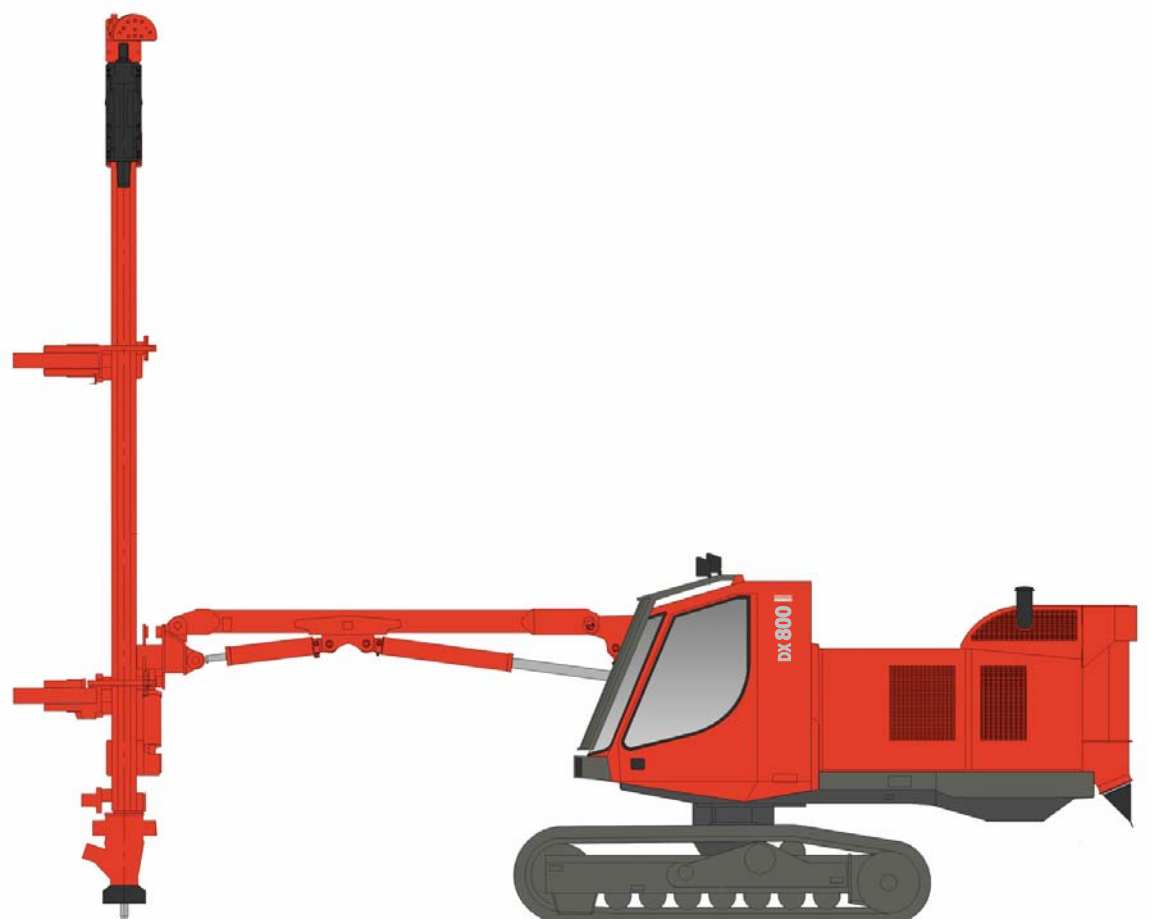
Sandvik DX800



APPLICATION

Sandvik DX800 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. It drills vertical, inclined or horizontal holes with a diameter of 64 - 127 mm (2 ½" - 5") utilizing 38, 45 or 51 mm (1 ½", 1 ¾" or 2") extension rods.

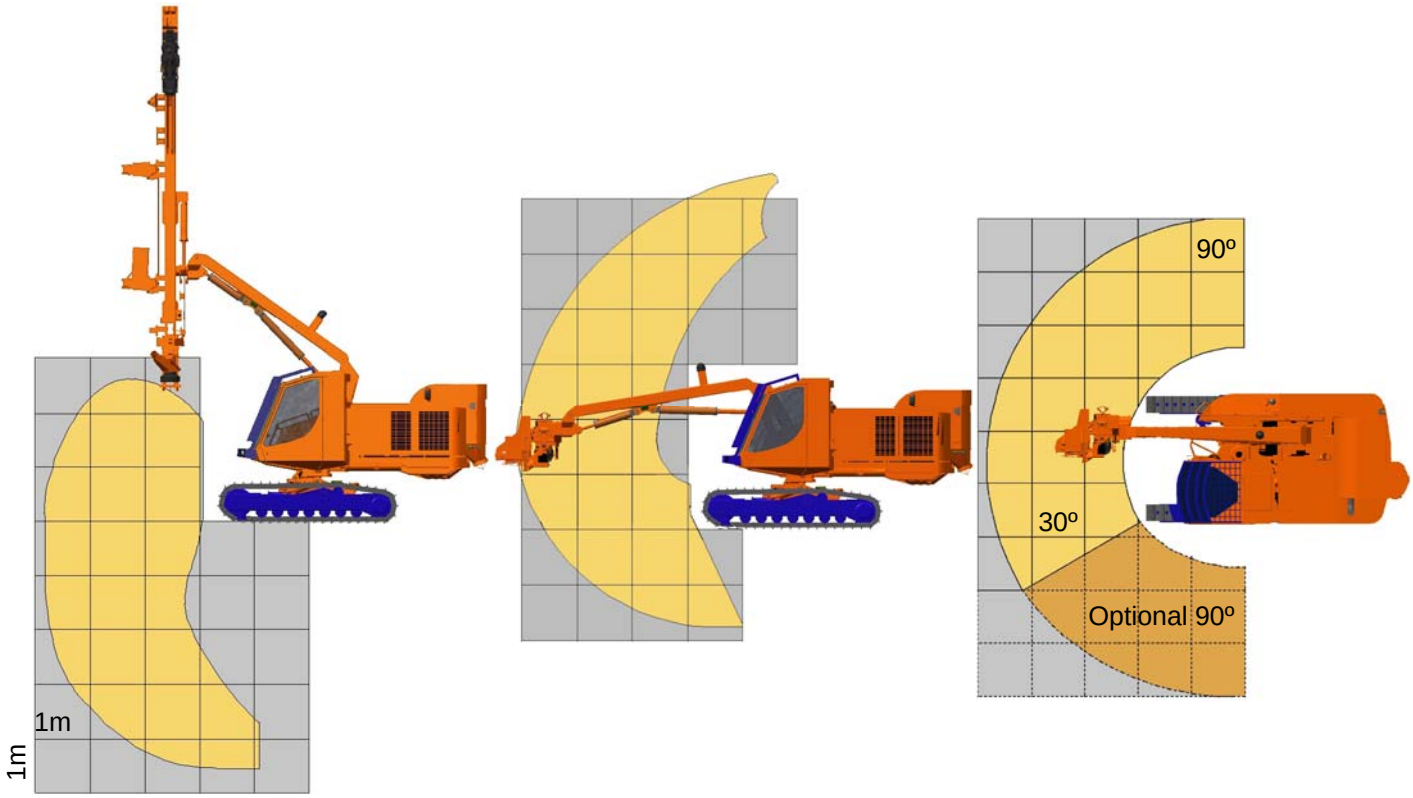
DX800 is equipped with HL 800 T, hydraulic top hammer rock drill. With high rotation torque, sufficient flushing and sophisticated ergonomic drilling control system the rig is well suited also in very fractured rock conditions. The rock drill and articulated boom are mounted on the turnable superstructure giving a drilling coverage of 17,6 m^2 (optionally 26,4 m^2).

The powerpack of DX800 consists of a Caterpillar diesel engine and a gearbox, which divides the power for hydraulic pumps and flushing air compressor. The powerpack is mounted crosswise at the rear end of the superstructure to keep counterweight on the opposite side of the boom and feed regardless of the drilling direction.

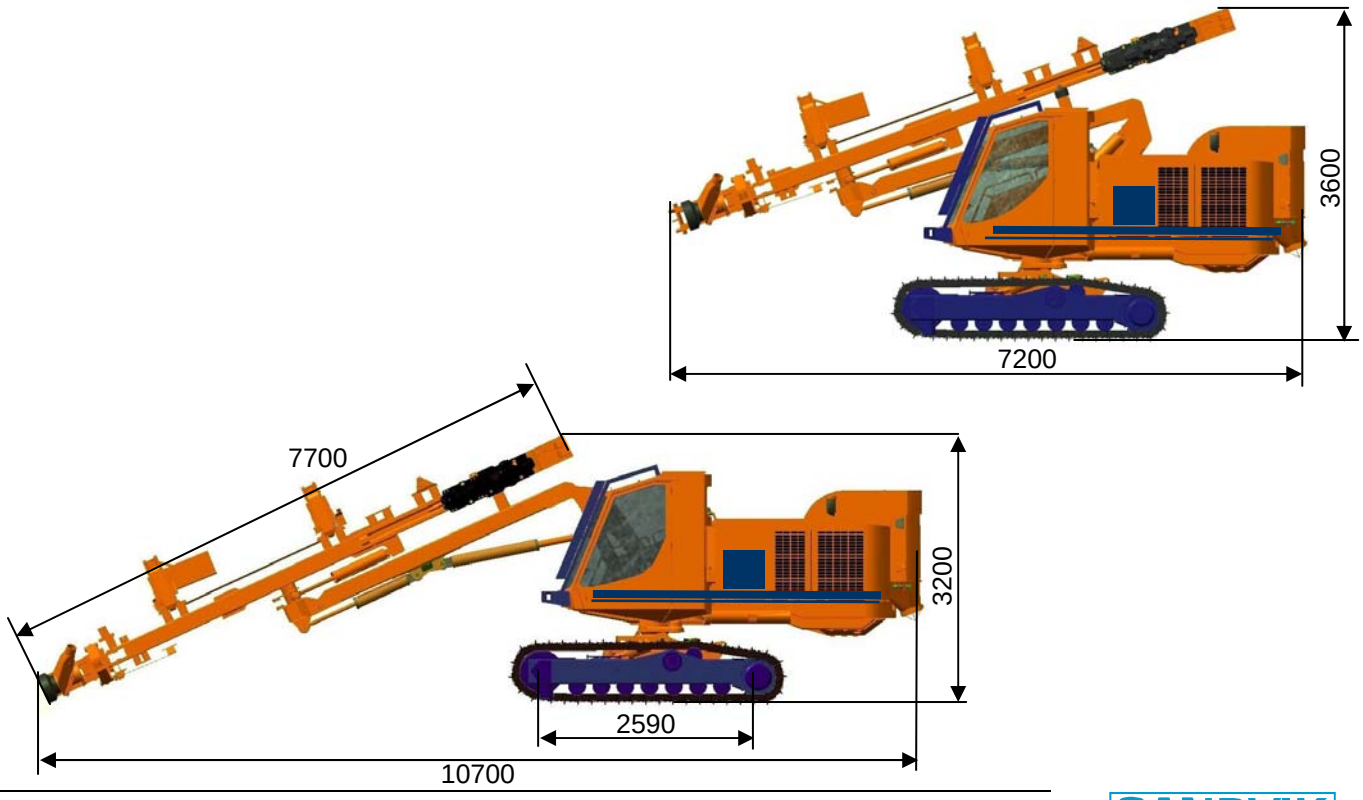
DX800 has an ergonomic cabin to increase operator's safety and visibility. The cabin is certified for R.O.P.S. (ISO-3471 Roll-Over protection Structure) and F.O.P.S. (ISO-3449 Falling Object Protection Structure). Windows are laminated for added safety. The noise level in the cabin is less than 80 dB(A). To keep dust at a minimum, the cabin is fitted with efficient filters for incoming fresh air. Adjustable seat, good visibility, adequate lighting and an optimum working temperature are among the many features ensuring a good operating environment. Drilling functions are proportionally controlled by one hydraulic joy-stick. Several routine functions e.g. antijamming are executed automatically. There are fewer levers to make it easy to use. Driving, rear jack and winch control can be done outside the cabin from the optional remote control box.

Typical applications for DX800 are road cutting, pipeline drilling and foundation drilling, as well as production drilling in medium size quarries. Therefore DX800 is most often used by construction contractors, mines and quarries, and also included in the equipment fleet of rental houses as well.

DRILLING DIMENSIONS



TRANSPORT DIMENSIONS



Sandvik DX800

STANDARD COMPONENTS

1.	Rock drill	HL 800 T, hydraulic
2.	Chain feed	CF 145H
3.	Rod handler	RH 714 incl. 1 set of jaws
4.	Boom	DB 800H, articulated
5.	Carrier	Track mounted, turnable superstructure
6.	Powerpack	Diesel driven, hydraulic pumps and on-board compressor
7.	Hydraulic system	Load sensing and open center
8.	Control system	THC 700 Rock Pilot
9.	Movable drill steel support	
10.	Operator's cabin	F.O.P.S. and R.O.P.S.
11.	Dust collection system	DC 800 H, hydraulic
12.	Working lights	9 pcs
13.	Gauge set	For accumulator pressure checking
14.	Reversing alarm	
15.	Manuals	Service and spare parts manuals: 2 x paper copy 2 x CD-ROM (Toolman)
16.	EU-safety devices	

TRANSPORT DIMENSIONS

Weight (without options)	14 900 kg
Width	2.45 m
Height	3.6 m / 3.2 m
Total length	7.2 m / 10.7 m

THE JAWS FOR DRILL STEELS

	Drill steel type	Drill steel diameter	Recommended hole diameter
1.	Extension rods	38 mm 1 ½"	64 - 70 mm 2 ½" - 2 ¾"
2.	MF-rod	38 mm 1 ½"	64 - 70 mm 2 ½" - 2 ¾"
3.	Extension rods	45 mm 1 ¾"	76 - 89 mm 3" - 3 ½"
4.	MF-rod	45 mm 1 ¾"	76 - 89 mm 3" - 3 ½"
5.	MF-rod	51 mm 2"	89 - 127 mm 3 ½" - 5"
6.	Extension rods	51 mm 2"	89 - 127 mm 3 ½" - 5"

Note
- not with 10' MF-rods
- with hose reel only 10' or 12' rods
- 51 mm (2") extension rods only 5 + 1
- if several jaws selected please specify jaws assembled

SELECTION OF OPTIONS

1. Turnable superstructure 180º
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. Power extractor
9. Electric filling pump for refuelling
10. Remote control box; for rear ground support, driving and oscillation
11. Remote control box + hydraulic winch with cable tightness automatics (replaces and includes previous option)
12. Hydraulic rear ground support
13. Three-bar grouser plates
14. Guides for grousers
15. Towing hook
16. Fuel operated heater for cabin, hydr. oil and engine
17. Flushing control automatics
18. Shut down of suction for water holes
19. Readyness for Power extractor
20. Sanrock Mini H hydraulic bit grinder
21. Primary separator PE 50
22. Horizontal drilling kit (includes hose reel)
23. Hose reel (not with 14' rods)
24. Radio with CD player
25. Central lubrication system
26. Kit for alternative steels
27. Water injection system with tank
28. Water injection system w/o tank
29. Zero Dust system
30. Biogradeable hydraulic oil, Shell naturelle HFE 46 or HFE 68 (synthetic ester)
31. Extra manuals
32. First service kit for DX800²
33. Special tools for HL 800 T, field kit ID 550 055 29
34. Special tools for HL 800 T, complete ID 550 302 70
35. Antifreeze for air lines
36. Vacuum cleaner for cabin

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