

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 1/2" - 5") utilizing 38, 45 or 51 mm (1 1/2", 1 3/4" or 2") extension rods.

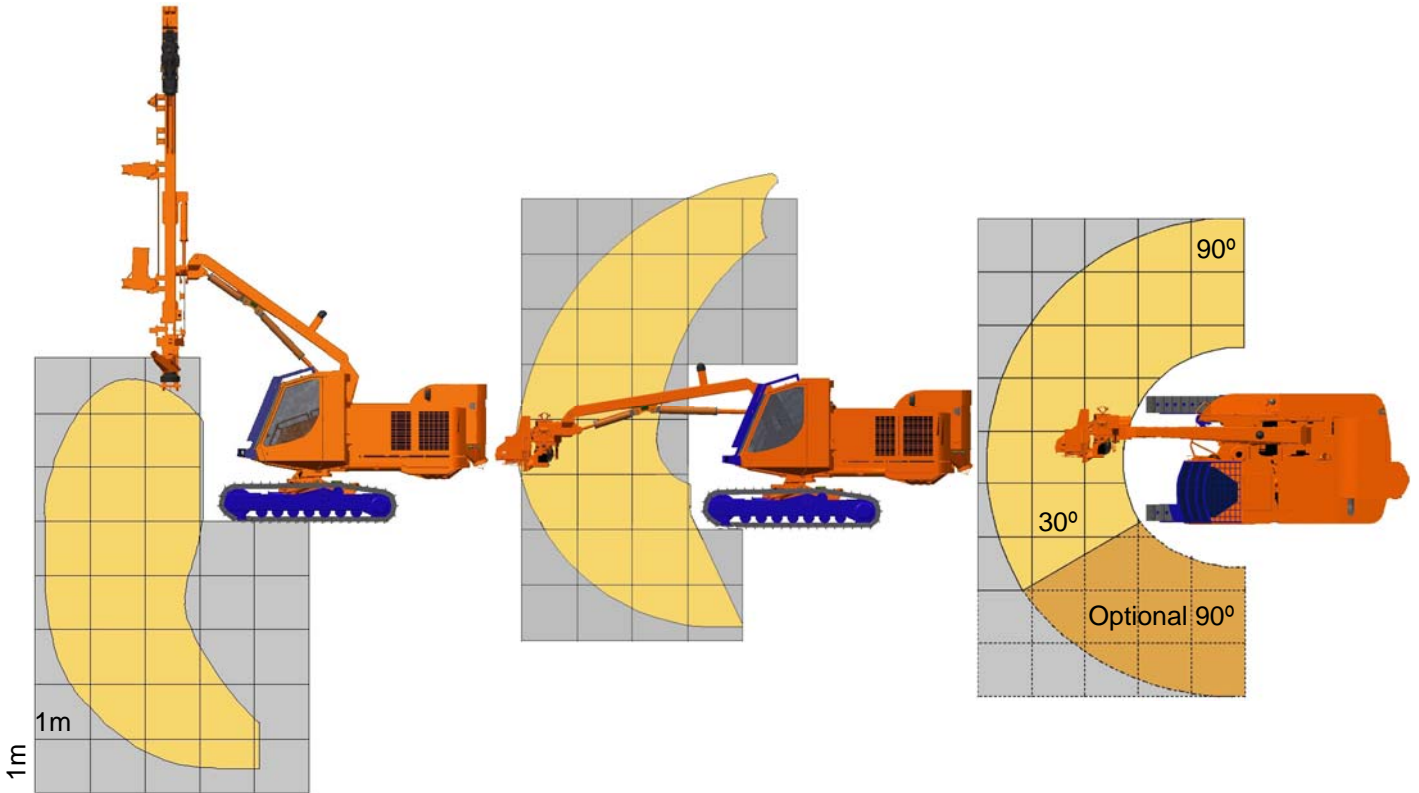
DX800 is equipped with HL 800 T, hydraulic top hammer rock drill. With high rotation torque, sufficient flushing and sophisticated ergonomic drilling control system the rig is well suited also in very fractured rock conditions. The rock drill and articulated boom are mounted on the turnable superstructure giving a drilling coverage of 17,6 m² (optionally 26,4 m²).

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.

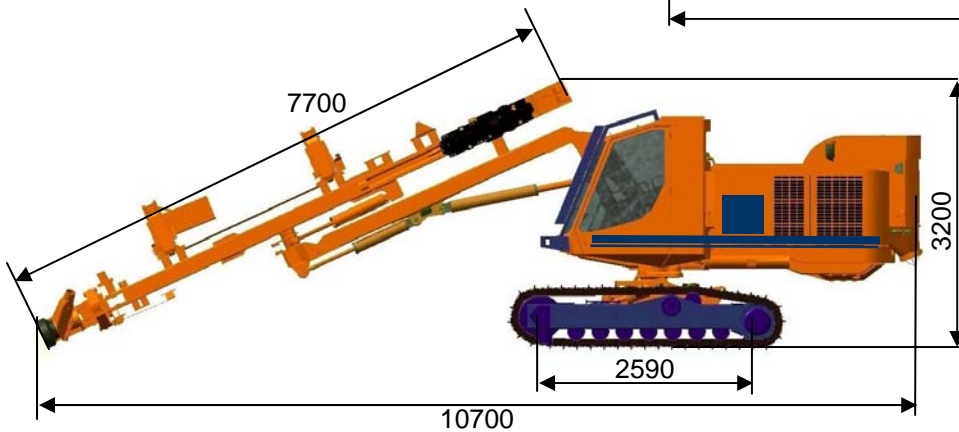
DX800 has an ergonomic cabin to increase operator's safety and visibility. The cabin is certified for R.O.P.S. (ISO-3471 Roll-Over protection Structure) and F.O.P.S. (ISO-3449 Falling Object Protection Structure). Windows are laminated for added safety. The noise level in the cabin is less than 80 dB(A). 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



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 180° | 19. | Readiness for Power extractor |
| 2. | Air conditioning | 20. | Sanrock Mini H hydraulic bit grinder |
| 3. | Rod greasing system | 21. | Primary separator PE 50 |
| 4. | P&Q electric vertical angle indicator (± 6 deg.) | 22. | Horizontal drilling kit (includes hose reel) |
| 5. | Electric angle indicator TIM 2302 with aiming unit | 23. | Hose reel (not with 14' rods) |
| 6. | Measuring system TIM 2303 with aiming unit | 24. | Radio with CD player |
| 7. | Laser based measuring system TIM 2305 | 25. | Central lubrication system |
| 8. | Power extractor | 26. | Kit for alternative steels |
| 9. | Electric filling pump for refuelling | 27. | Water injection system with tank |
| 10. | Remote control box; for rear ground support, driving and oscillation | 28. | Water injection system w/o tank |
| 11. | Remote control box + hydraulic winch with cable tightness automatics (replaces and includes previous option) | 29. | Zero Dust system |
| 12. | Hydraulic rear ground support | 30. | Biodegradable hydraulic oil, Shell naturelle HFE 46 or HFE 68 (synthetic ester) |
| 13. | Three-bar grouser plates | 31. | Extra manuals |
| 14. | Guides for grousers | 32. | First service kit for DX800 ² |
| 15. | Towing hook | 33. | Special tools for HL 800 T, field kit
ID 550 055 29 |
| 16. | Fuel operated heater for cabin, hydr. oil and engine | 34. | Special tools for HL 800 T, complete
ID 550 302 70 |
| 17. | Flushing control automatics | 35. | Antifreeze for air lines |
| 18. | Shut down of suction for water holes | 36. | Vacuum cleaner for cabin |

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