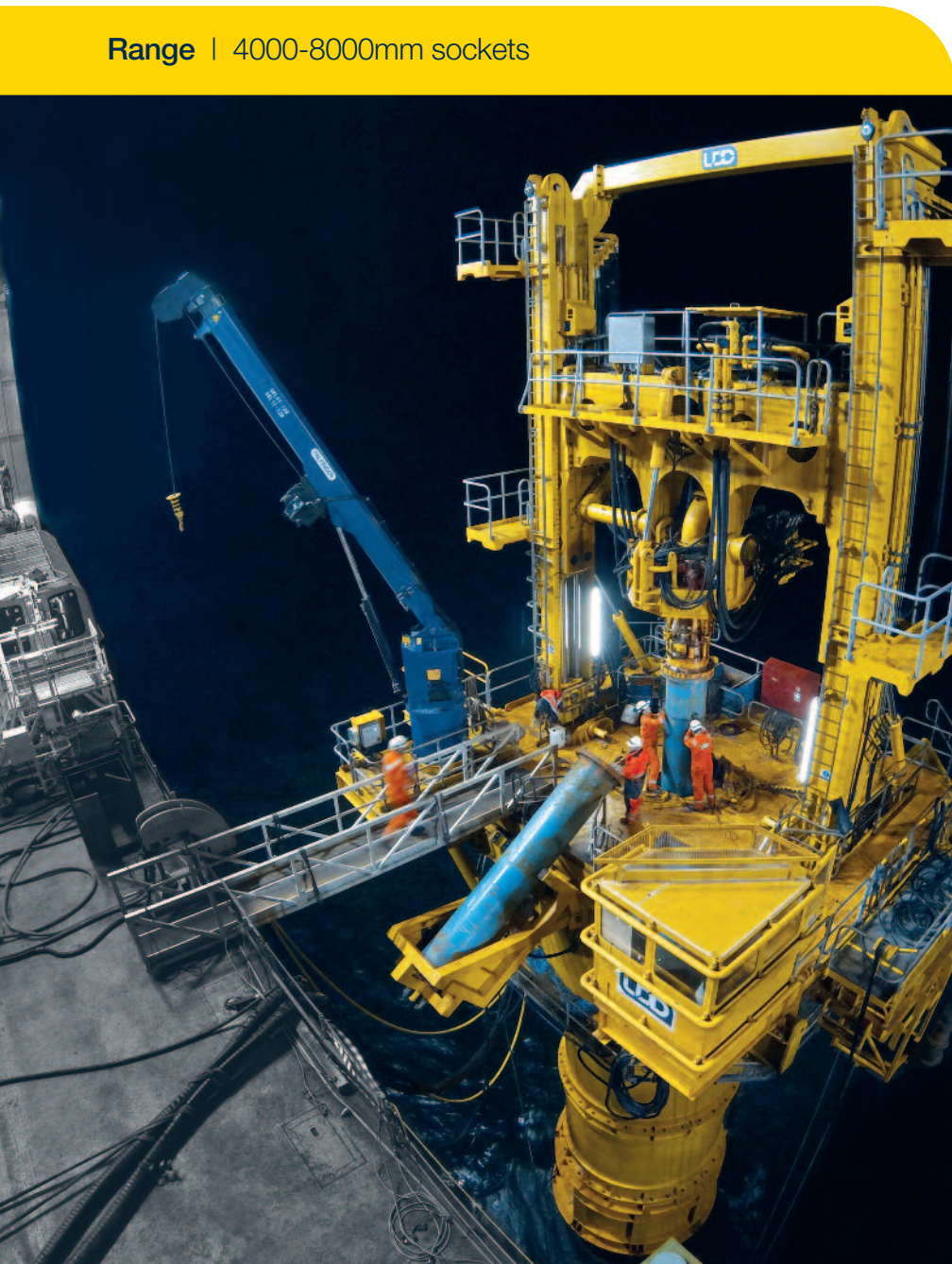


LD5000

Reverse Circulation Drilling Rig



Range | 4000-8000mm sockets



LD5000 Drill Rig Specifications

- Max drilling diameter 8000mm
- Max power swivel torque 1100kNm
- Drill speed 0-8rpm variable
- Max pull back 450t
- Thrust limited to 50t
- Weight (incl. rigging and gripper) 153t
- Drill pipe LDD bespoke 13"
- Electro-hydraulic control system c/w pilot operated valve backup.
- Digital control capability
- Market leading safety features and controls
- Modular design
- Remotely operated pipe handling and man riding crane

The LD5000 is a reverse circulation drilling rig designed to operate in virtually any soil or rock type. It enables the creation of sockets of up to 5000mm in its standard and 8000mm dia. in its under-reaming configuration.

The LD5000 is comprised of 4 main sections: gripper, drill base, mast and carriage, and power swivel. The gripper allows connection to the pre-installed pile or conductor with sufficient capacity to accommodate the static and dynamic forces the drill rig can generate.

The power swivel provides the rotation force required to drill the socket. Thrust and holdback are provided by two pairs of carriage rams located in the drill mast supporting the carriage.

The LD5000 is our largest, most powerful reverse circulation drilling rig to date.



Main applications

- Offshore windfarm monopiles
- Outfall risers
- Bridge foundations
- Mine access
- Mine ventilation

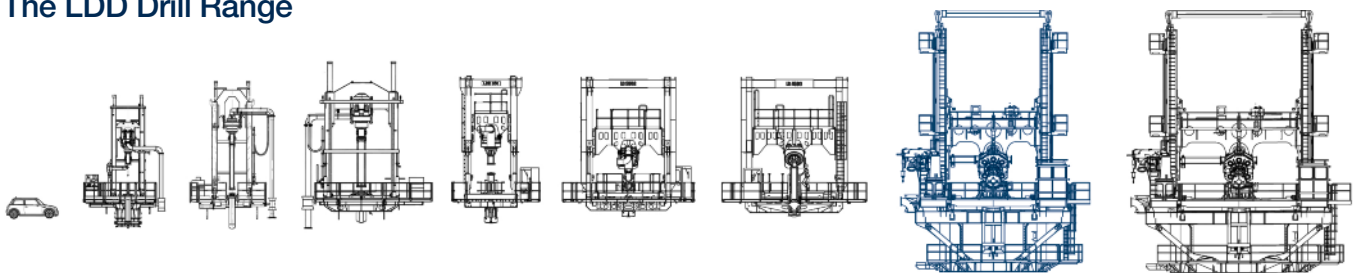
2no LD5000 HPU Electric Hydraulic Power Unit (HPU) Specification per unit (20ft containers)

Electric motors	5 x 90kW
Pumps	5 x 220l/min @ 250 bar
Hydraulic tank	5000 litres
Weight	16t
Power requirement	1200 kVA

2no HPU Control Units (10ft Containers)

Soft start & PC control ethernet communication	
Weight	6t

The LDD Drill Range



MINI LD408 LD612 LD818 LD2500 LD3500 LD4500 LD5000 LD7000

