The LD612 is a reverse circulation drilling rig capable of drilling through almost any soil and rock type. This enables the creation of sockets of up to 2000mm dia. In its standard configurations and with the addition of a cellar deck, sockets up to 3000mm with underreaming.

The drill is comprised of 4 main sections: Drill gripper, Drill base, Mast and carriage and Power Swivel. The gripper allows connection to the pre-installed pile 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 which is

Down-hole under-reaming can be used in a variety of applications to enhance installations efficiency and pile capacity and sockets can be drilled from vertical to 18° (1:3 inclination)

**LD612 Drill Rig Specifications**

- Max drilling diameter 3000mm
- Max power swivel torque 119kNm
- Drill speed 0-60rpm variable
- Max pull back available 65t
- Maximum thrust available 55t
- Weight 24t
- Variable geometry deck
- Modular design

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Main applications

- Pier and jetty construction
- Civil engineering projects
- LNG terminals
- Relief drilling
- Drive Drill Drive
- Riser shafts
- Waste water treatment plants
- Jacket installations for Oil and Gas industry

The drill can be mobilised anywhere in the world as it can be broken down into component form, loaded into sea freight containers and reassembled on arrival. Typical assembly and re-commissioning takes **2-3 days**.

<table>
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<th>Specification for LD612</th>
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