



## Comacchio MC4D Drill Rig

Plant Data Sheet

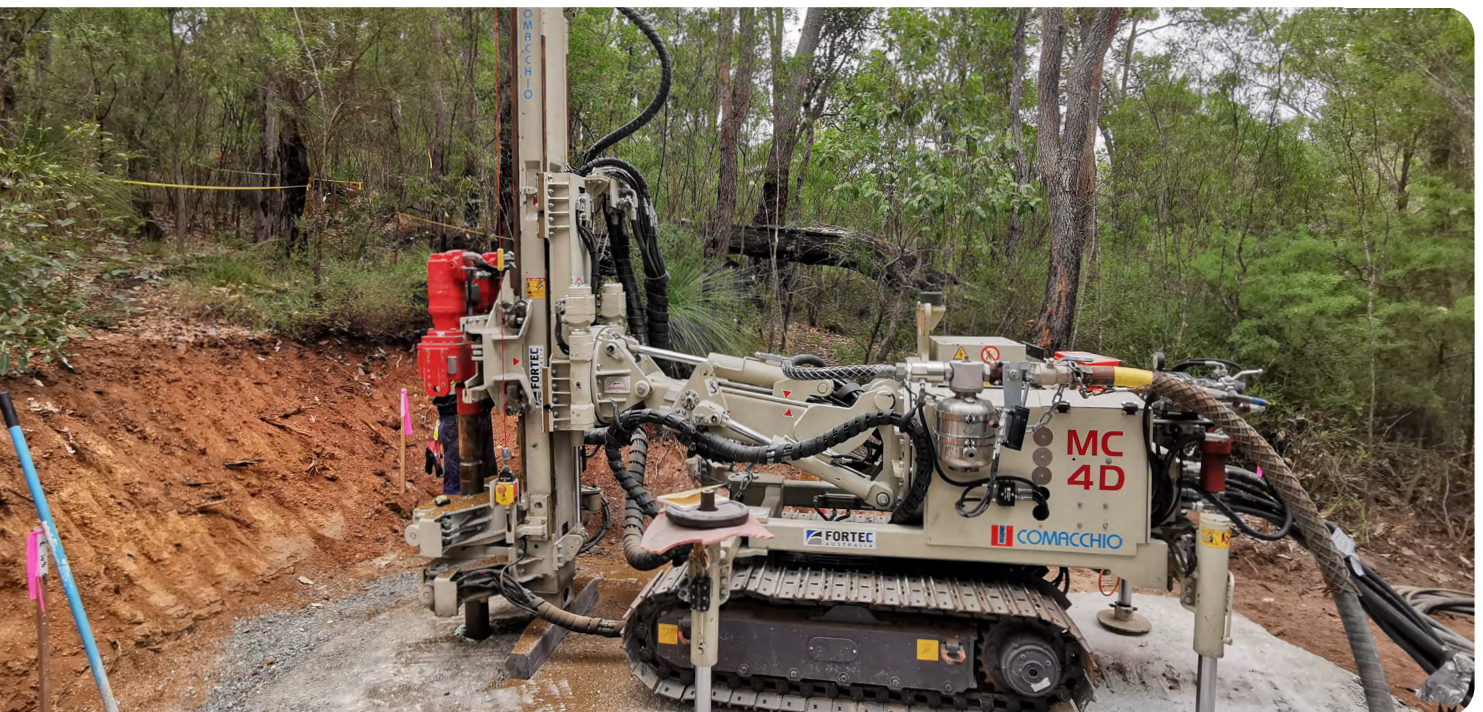
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The MC4D is a hydraulic drilling rig with a separate power pack, specifically designed for the execution of ground engineering works in confined or low overhead spaces and difficult access jobsites, inside buildings, basements and small tunnels. This is possible due to the rig's wide range of allowable movements in addition to the telescopic mast adjustment, which is available as an option.

This machine is supplied with a separate soundproof diesel power pack that can be located separately to the drill rig. Thanks to the use of advanced modular hydraulic circuits, the MC4D can accommodate a wide range of accessories and is suitable for any type of rotary or rotary-percussive drilling.

Both units are track mounted and the drill unit has 4 stabilising jacks for accurate locating & drilling.



### Field of use:

The drill rig is manufactured for specialised civil engineering jobs, foundations, soil consolidations and special works. It is a compact light weight drill rig that can be lifted into hard to reach drill locations while maintaining full capacity.

It can be engaged for the following type of works:

#### Special works:

- Micropiles
- Anchoring
- Soil Nailing
- Jet grouting
- Drains

#### Drilling:

- Dry drilling
- Surveys
- Hydrogeological research
- Water wells

#### Together with the drill rig the following equipment can be used:

- Down-the-hole simple and odex type hammers
- Triple cones
- Single and double core samplers
- Screw augers
- Two and three-blade tools

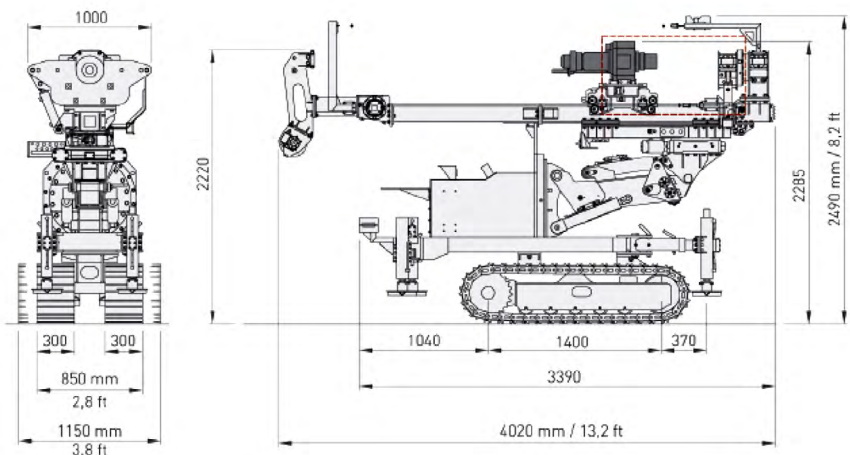
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### Safety Features

- To avoid simultaneous action of various movements the machine is equipped with selector push-buttons which permit the action of only 1 function. This blocks the option of moving the mast while drilling and vice versa.
- There is an acoustic and visual (revolving beacon) alarm while conducting any moving and positioning of the drill rig.
- Starting the machine and consequently drill is only possible if the contact key and battery disconnecter are switched on.
- All hydraulic jacks have 1-way valves to isolate them and keep them in position in case of a hose leakage i.e. prevent uncontrolled movement

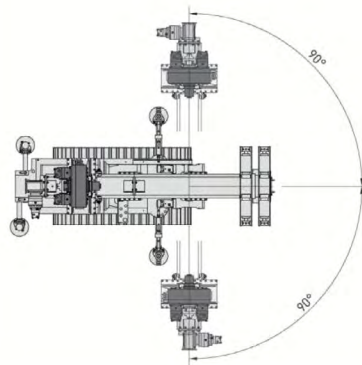
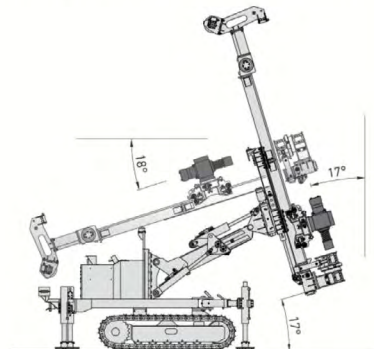
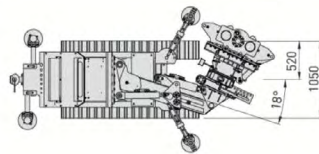
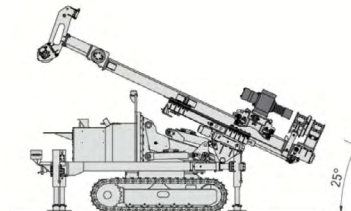
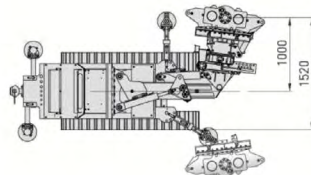
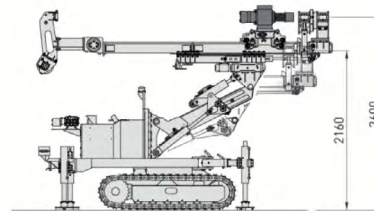
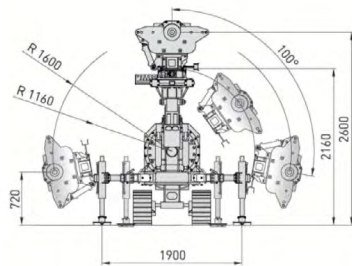
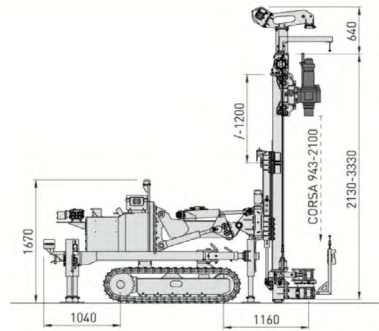
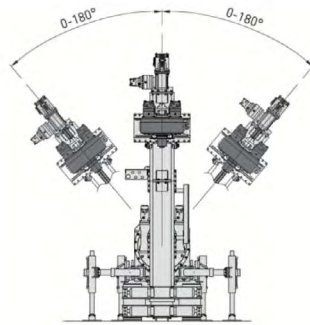


### Technical Data

Mechanical data	Maximum feed force	3000 kN
	Maximum retract force	3500 kN
	Maximum tramming speed	0-1.5km/hr
	Maximum ground pressure	90 kg/cm <sup>2</sup>
	Clamp range	45-325mm
	Weight drill rig	4750kg
	Weight hydraulic unit	2650kg
Mast with single head carriage	Feed stroke	900-2100mm
	Total length	2200-3400mm
Rotary head	Weight	330 kg
	Torque	225//525/1050 kNm
	Speed	140/70/35 rpm

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## Contact us

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