

## YCL-1 Full Hydraulic Multifunctional Drilling Rig



### Application

This Full Hydraulic Multifunctional drilling rig can be used for micropilling, jet grouting, anchoring, tunnel piping etc. With Crawler Chassis and Dual pipe power head drive unit percussion system. it can be mobilized in different environment fast and conveniently. Inclination can be vertical and horizontal And it could be used in cobblestone and unstable stratum.

### Technical Data

1. Drilling Depth: 0-40m
2. Hole Diameter:  $\phi$ 50-200mm
3. Drilling pipe diameter:  $\phi$ 73- $\phi$ 168x3000mm.
4. Impact power of rotary head: 550 Nm-350Nm
5. Frequency of rotary head: 1500-2200 bpm
6. Rotary speed: 0-103 r/pm
7. Torque of Rotary head: 10251 N.m
8. Max feeding force: 20KN
9. Max pulling force: 60KN
10. Stroke of Column slide: 1000mm
11. Column Swing angle:  $\pm$ 30°

- 12.Height of Horizontal hole: High 3180mm Low 2120mm  
Height of Side hole: High 3180mm Low 270mm
- 13.Rated flow of hydraulic system: main pump: 118L/min auxiliary pump: 37L/min
- 14.Rated pressure of hydraulic system: main pump: 22MPa auxiliary pump: 16MPa
- 15.Grade ability: 20
- 16.Power: electrical motor:45kw /1480r/min  
electrical motor:2:55kw /1480r/min  
Diesel Engine could also be equipped.
- 17.Dimension: (L x W x H) 5.6mX2mX2.53m
- 18.Total Weight: 6000Kg

