



GL-4000 Crawler-type full hydraulic drilling rig

Introduction of GL-4000 Crawler-type full hydraulic drilling rig



GL-4000 Crawler-type full hydraulic drilling rig is a kind of multifunctional drilling rig designed and manufactured for **jet grouting operation and anchor rod hole drilling**. It can be used for the **foundation consolidation of railway, highway, abutment, and dam foundation; tunnel pipe-shed support, foundation pit support, slope protection, anchor rod hole drilling, leaking stoppage, soft foundation treatment, geological disaster government, and jet grouting**. The upright is slide and meets the construction requirement of anchor rod. **Drilling with casing tube could be completed by equipped with down hole hammer and overburden drilling system.**

1. Features:

Pitch luffing mechanism, homework range

Variable hydraulic system with load feedback, low energy consumption

With display unit for rotating speed of top-drive head, lift speed and verticality of derrick, quickly and accurately to fix position

With track chassis and rotary device, easy and speedy to move

The major components in hydraulic system adopt the imported brand with a stable, reliable system, and they all have a long service life

Top-drive head driven by hydraulic, stepless speed regulation, high efficiency

2. Technical data:

Max torque	4000N.m
Rotation speed of top-drive head	(high)0-64r/min;(low)0-32r/min With high speed motor head: (high)0-376r/min;(low)0-165r/min
Stroke of top-drive head	3000mm
Rated pull force of top-drive head	50KN
Rated thrust force of top-drive head	20KN
Rod dia.	42mm;50mm;73mm;89mm
Fast lifting and thrust speed of top-drive head	(jetting)0.06-0.9/1.8m/min
Lifting and dropping speed of top-drive head	0-16/0-28m/min
Power unit	30kw
Overall dimension	Working:3440x2401x5270; transporting:5210x2401x2220(mm)
Weight	3000kg
Main pump pressure	20MPa
Auxiliary pump pressure	20MPa
Column slipping stroke	1000mm
Climbing capacity	20 degree
Moving speed	1.5km/h

3. The Application of drilling rig:

