



XDL-1800/1200 track type full hydraulic core drilling rig

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Description

The XDL-1800/1200 track type full hydraulic core drilling is used for core drilling with diamond bit. It is a representative model with tracklayer mainly for medium and deep core drilling. This machine has many patented technologies, raising and falling drills speed, the hole base pressure control, in the parameter to display and control aspect has the remarkable characteristics.


Features

1. The new main windlass hydraulic disc brake(patent technology)
2. The first drilling control system of constant pressure(patent technology)
3. Automatic drilling sounding system(patent technology)
4. Powerful dynamic parameter display control system(patent technology)
5. Crane anti-collision system
6. Key components adopt imported famous brand
7. Mast height 10m, handle pipe length reach to 6m
8. Research and development of constant pressure control system with drilling, set automatic constant pressure drilling and improve drilling efficiency, ensure the quality of hole
9. Research and development of crown crash-proof system
10. Equipped with vice winding sounding system
11. Power head gear adopts hydraulic transmission method, can realize unlimited speed in a certain range, and is equipped with high speed
12. Drilling rig hydraulic system main components adopt imported brand, general

components choose domestic well-known brand, system is stable, reliable and long service life

13. Using direct acting load feedback fine-tuning variable hydraulic system, power changing with load, high efficiency, low energy consumption, the system has get successful application on our XL-50 drill
14. Equipped with a power head turning speed, speed, engine monitoring device such as a digital display

Main specifications

Model		XDL-1800 core drilling rig				XDL-1200 core drilling rig			
Drilling capacity	Standard	BQ	NQ	H Q	PQ	BQ	NQ	HQ	PQ
	Diameter (mm)	55.6	71	89	114	55.6	71	89	114
	Depth (m)	1800	1300	900	700	1200	900	650	480
Main winch 	Line pull(last layer)	86kN				76kN			
	Speed(last layer)	52m/min				50m/min			
	Rope capacity	60m/φ22mm				60m/φ22mm			
Auxiliary	Line pull(last layer)	11.9kN				12kN			
	Line pull(full drum)					6.5Kn			
	Speed(last layer)	114m/min				100m/min			
	Speed(full drum)								
	Rope capacity	1500m/Φ8mm				1250m/Φ5mm			
Mast/feed system	Feed stroke	3.4m				3.4m			
	Thrust	78kN				58kN			
	Pull	210kN				111kN			
	Drilling angle	45-90degree				45-90degree			
	Rod length	9m				6m			
	Mast height	13.5m				10m			
	Feed speed					Fast-slow, unlimited speed regulating			

Diesel motor power	179Kw		
Hydraulic system	Main pump pressure/flow	26MPa/190L/min	30MPa/190L/min
	Auxiliary pump pressure/flow	22MPa/130L/min	22MPa/130L/min
	Auxiliary pump pressure/flow		16MPa/57L/min
Drill head	Spindle(max)	Φ117mm	
	1 st speed /torque	0-445r/min/5150N.m	0-440r/min/4200N.m
	2 nd speed/torque	0-940r/min/2425N.m	0-980r/min/1800N.m
Hydraulic chuck	Type	Spring closed hydraulic opened	
	Force	238kN	390kN
Overall dimensions		8000*2300*3340(mm)	6090*2335*2900(mm))
Weight		15000kg	8500kg