

## **XDL-1800 Crawler Full Hydraulic Core Drilling Rig**



### **Main Features:**

- 1.The new main windlass hydraulic disc brake only for XDL-1800(Patent technology);
- 2.Automatic drilling sounding system (Patent technology);
- 3.Powerful dynamic parameter display control system (Patent technology);
- 4.Crane anti-collision system (Patent technology);
- 5.Key components adopt imported famous brand (Patent technology);

### **Application**

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

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6. Equipped with vice winding sounding system, powerful head turning speed, engine monitoring device such as a digital display.

7. Equipped with direct acting load feedback fine-tuning variable hydraulic system, power changing with load, high efficiency, low energy consumption

### Technical Data

		XDL-1800			
Drilling capacity	Specifications Code(standard)	BQ	NQ	HQ	PQ
	Drill diameter(mm)	55.6	71	89	114
	Drilling depth(m)	1800	1200	800	600
Main winch	Line pull(last layer)	86N			
	Speed(last layer)	52m/min			
	Rope capacity	60m/φ 22mm			
Auxiliary winch	Line pull(last layer)	12N			
	Speed(last layer)	114m/min			
	Rope capacity	1550m/φ 5mm			
Mast/Feed system	Feed stroke	3.4m			
	Thrust	78kN			
	Pull	160kN			
	Drilling angle	45-90°			
	Rod length	9m			
	Mast height	13.5m			
	Feed speed	CVT(Continuously Variable Transmission)			
Power		139kw			
Hydraulic system	Main pump pressure/flow	26Mpa/190L/min			
	Auxiliary pump pressure/flow	22Mpa/190L/min			

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Drill Head	Spindle(max)	φ117mm
	1st speed/torque	0-445r/min/5150N.m
	2nd speed/torque	0-940r/min/2425N.m
Hydraulic chunk	Type	Spring closed hydraulic opened
	Force	450kN
Overall dimensions		8000*2300*3340(mm)
Weight		15000kg