

## SPECIFICATION OF DDW1300/320

### Dimensions/Weight

<b>HDD Rig</b>			
Length/Width/Height	Weight	21600*3200*3550 mm	81 ton
<b>Power pack</b>			
Length/Width/Height	Weight	9000*2850*3300 mm	32 ton
<b>Operating room</b>			
Length/Width/Height	Weight	5000*2300*2200 mm	2 ton

### Controls

Cabin	Container skid type operating room with A/C
Control system	Electronic self-diagnostic digital system
Visualization	10" inch touch screen monitor, 3 pieces

### Engine

Make	Cummins
Rated power	550*4=2200 HP; 210*1=210 HP;
Rated speed	1900 rpm
Fuel tank capacity	3000 L

### Hydraulic system

Max pressure (rotary & carriage)	42 Mpa
Max pressure (control sys.)	30 Mpa
Hydraulic tank capacity	2000 L

### Undercarriage

Structure	Box welded frame,
Travel	Self-propelled on track crawler
Travel speed	0-1.0 km/h, forward & reverse
Track plate width	550 mm
Rear stabilizer	vertical

### Mast

Transmission type	Rack & pinion
Rod support	Yes
Hose carrier	Full length of chain type
Mast stand	Yes
Drill angle	8-12°

### Rotary drive

Rotary torque	320000 N.M
Rotary speed	90 r/min
Transmission	Gear box

### Carriage

Maximum thrust/pullback force	13000 KN
Max travel speed	45 m/min
Max travel distance	12 m

### Stake down

Anchoring type	Manual anchoring
Extra beam standing bars	Yes

### Wrench assembly

Type	Quad jaw
Sliding on the mast	Yes
Max breakout torque	830000 Nm
Max makeup force	5200 KN

### Electrical

Lights	Room, Wrench, Rotary
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### Pipe loader

Type	One rod type pipe loader
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### Crane

Lifting capacity	8 ton
Control	Outside room

### Drill pipe

Type	φ194*9600 mm
Thread	Z140 IEU

### Pilot drill bit

Beacon housing	Suitable For Wireless /Wireline Transmitter
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### Tools

Back reamer Diameter	650, 850, 1050, 1250, 1450 MM
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※ Specifications for reference only, machine subject to upgrade without prior notice. ※

## VARIETY OF USEFUL DOWN HOLE EQUIPMENT SUPPLIES



Special make drill pipe



Mud mixing unit



Fly Wing Backreamer



Expander Backreamer



Beacon housing and drill bit



Transmitter



Commander

DW/TXS CONSTRUCTION EQUIPMENT (BEI JING) CO., LTD.

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# DDW1300/320

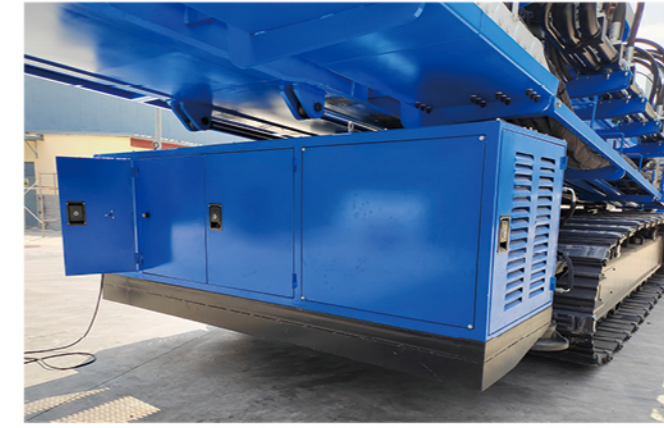
## HORIZONTAL DIRECTIONAL DRILL

DW/TXS CONSTRUCTION EQUIPMENT (BEI JING) CO., LTD.



**THE MOST POWERFUL  
MACHINE IN YOUR SITE!**

# DDW1300/320



## **SETTING UP**

Big angle setting up with dual cylinders and sliding racks for a fast and reliable stand of beam for a rough work of unit.

## **WRENCH SYSTEM**

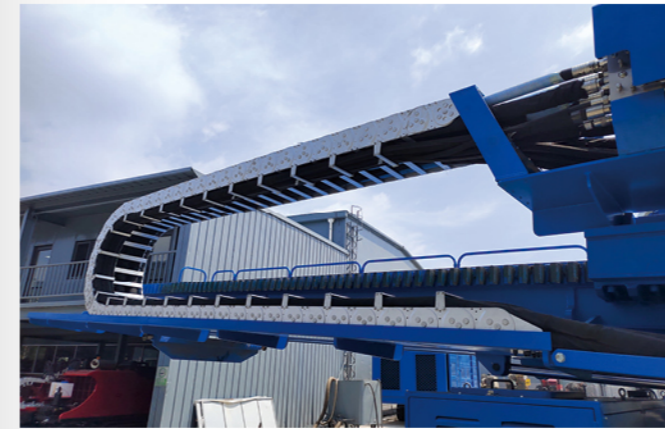
Tri connection and movable of the wrench system give a more strong and sturdy hold of rods so the work comes a easy and tireless.

## **OPERATING STATION**

The operating elements are clearly arranged and all functions and drilling parameters can be controlled without a problem via interactive control.

## **PIPE CENTERIZATION**

The front pipe centering device make the rod more targeted for the drill and help the work success on the site.





**DDW  
1300/320**



**IF YOU HAVE THE  
LONG AND TOUGH  
JOB IN FRONT OF YOU,  
JUST LET US KNOW!**