

FDP-1000 HDD DRILLING RIG



Technical Parameters of HDD Drilling Rig FDP-1000

Feeding (traveling)	
Rated feeding / pulling capacity	990T
Max. feeding / pulling capacity	1045T
Feeding / pulling system	rack and pinion
Traveling driven by ten gears, 4 shifts stepless adjustable	36 m/min 1st shift: 36 m/min
	18 m/min 2nd shift: 18 m/min
	17 m/min 3rd shift: 17 m/min
	8.5 m/min 4th shift: 8.5 m/min
Rotation	
Rotating system	gear transmission, stepless adjustable
I shift torque	190000Nm @50r/min
II shift torque	95000Nm @100r/min
Power	
Manufacturer	Volvo, Sweden
Ratings	394 × 4 kw/2100r/min
Running state	Feeding / pulling and rotating could achieve the max, performance parameters above.
Power for main machine	Ratings 145KW/2100r/min could be chosen by client's

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	demand.
Hydraulic system	Close type system for feeding, pulling and rotating, open type load-sensing system for auxiliary circuit.
Chassis	
1. Platform type, with hydraulic cylinders 2. On crawlers with traveling speed 1.5Km/h.	
Crane	
6T straight arm crane	
Drill rod	
The length of drill rod should be within 10.5 meter.	
Shackles	
Adjustable distance, accurate and reliable screwing-off, automatic centering	
max. screwing on torque	210000Nm
max. Screwing off torque	420000Nm
Drilling angle	8°~ 16°
Accessory	
Pressure, flow rate, rotating speed etc. could be seen in operation cabin for easier analysis while drilling.	