

Best Solution for Every HDD Drilling Site



HANJIN D&B
Drilling Equipments Co., Ltd.

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Horizontal Direction Drilling Rig **D&B-HDD series**

- Dynamic retract Power
- Guarantee of Quality
- Easy to maintenance
- Customize product



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Why D&B HDD Drilling Rig?

- Best solution for HDD Drilling site
- Economical & Efficient Drilling solution
- Easy maintenance system
- HANJIN Special & Unique designed control system

D&B-HDD series

D&B-16HDD



- Retract Power : Max 16ton
- Max torque : 600kg-m
- Power : 100HP/2000rpm
- Head travel : 3.5m

D&B-16HDD-Auger



- Retract Power : Max 20ton with 5ton winch
- Auger(Optional)
- Rod Changer (Option)

D&B-30HDD



- Retract Power : Max 30ton
- Max torque : 1200kg-m
- Power : 160HP/1800rpm
- Head travel : 5.2m

D&B -30HDD-Auger



- Retract Power : Max 35ton with 5ton winch
- Auger(Optional)
- Cabin(Optional)
- 1ton Crane(Optional)

D&B-50HDD



- Retract Power : Max 60ton with 10ton winch
- Max torque 2000
- Power : 262HP/2000rpm
- Head travel : 5.5m

D&B-150HDD



- Retract Power : Max 150ton
- Max torque : 4000kg-m
- Power : 490HP/1800rpm
- Head travel : 6.8m

Horizontal Direction Drilling Rig D&B-HDD series

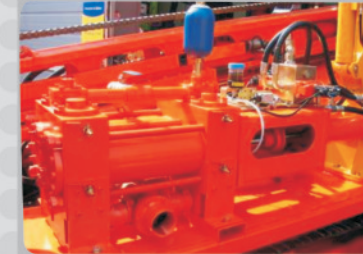
D&B-HDD series Key Components

Auger



- Good for stable working condition
- Easy for worker

Mud Pump



- Full Hydraulic drive system
- Unique D&B design & Made
- Variable volume control

Crane



- Safe & Easy operation
- Useful for Rod change
- Easy to maintenance
- Option

Winch



- Model : 5ton, 10ton
- Powerful traction
- Option

Rear Jack



- The Best design
- Reduced leakage
- Quality guarantee

Control



- Proportional Valve
- Available of precision control
- Concentrated control

Rod Changer



- Quick & Safe
- Easy to maintenance
- Option

Rotation Head

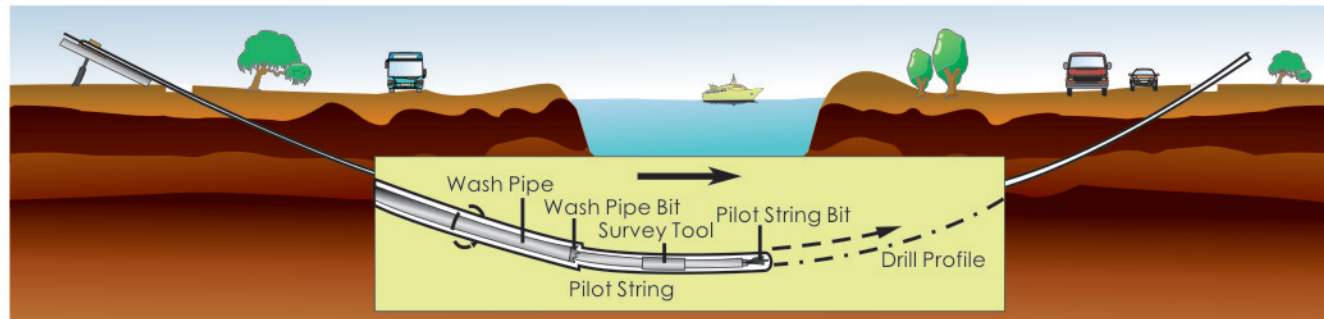


- Design for durability
- Powerful Torque
- Easy to maintenance

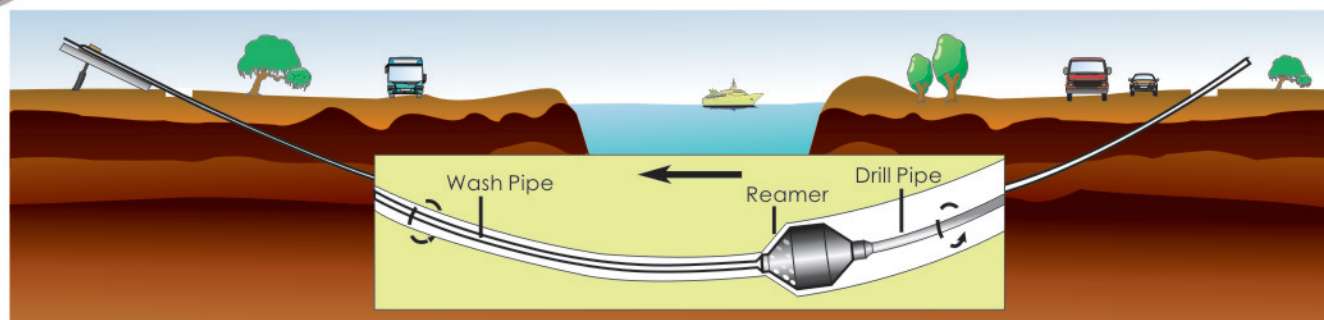
Horizontal Thrust Vector Control

HDD method of construction

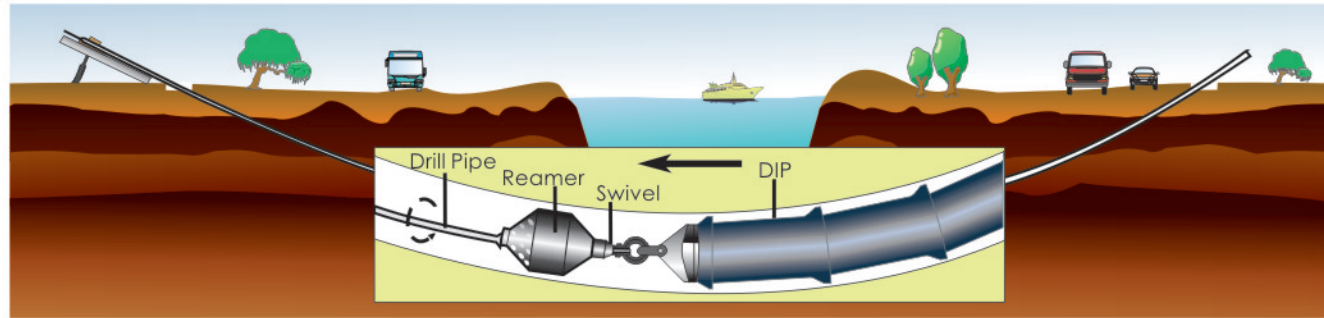
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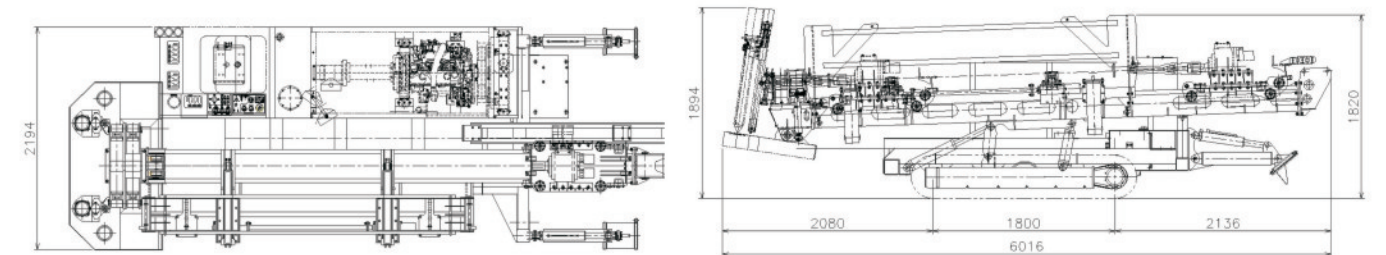
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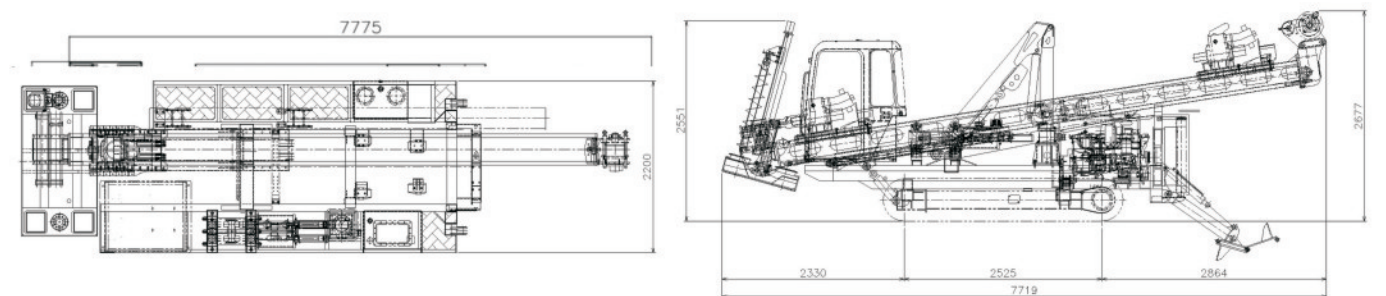
Horizontal Direction Drilling Rig

Dimensions

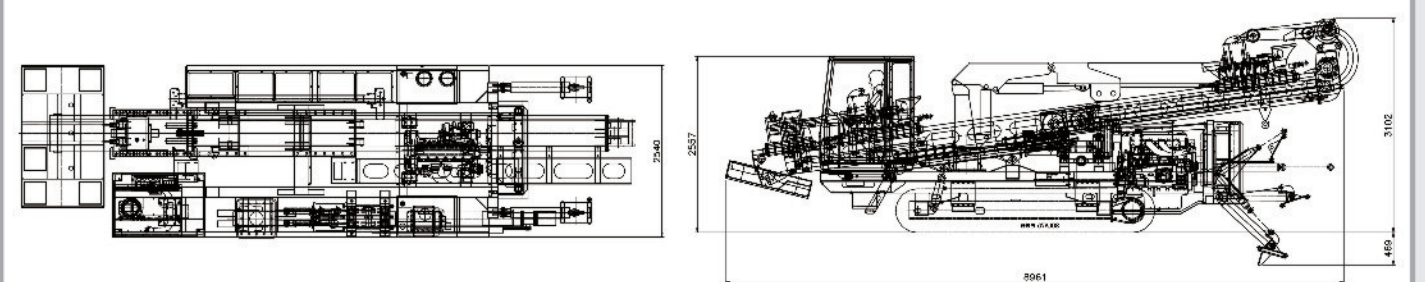
D&B-16HDD-Auger



D&B-30HDD-Auger



D&B-50HDD



		D&B-16HDD	D&B-30HDD	D&B-50HDD
DIMENSIONS & WEIGHT				
OA length-transport	m	6	6.8	9
OA width	m	2.2	2.2	2.2
OA height-transport	m	1.6	2.5	2.6
Weight	ton	5.5	7.5	18
ENGINE				
Model(Diesel engine)		Hyundai D4DA	Hyundai D6BT	Doosan DL08
Cylinder		4	6	6
Rated Power at 1800rpm	hp	100	160	260
Fuel tank capacity	ℓ	120	150	230
Fuel consumption	g/ps.h	154	159	155
Cooling system		Water cooling	Water cooling	Water cooling
ROTATION HEAD				
Model		HJG800	HJG900	HJG1000
Reduction	ratio	4.35 : 1	4.35 : 1	4.0 : 1
1st RPM/Torque	rev/min,kg.m	60/600	60/1200	60/2000
2nd RPM/Torque	rev/min,kg.m	120/300	120/600	120/1000
FEED SYSTEM				
Type/model		Hyd. Cylinder	Hyd. Cylinder	Hyd. Cylinder
Travels Cylinder	mm	120x90x1750	160x100x2600	200x150x2750
Head travel	m	3.5	5.2	5.5
Retract capacity	ton	16	30	50
Push down capacity	ton	8	15	25
HYDRAULIC SYSTEM				
System		3Pump Open loop system	4Pump Open loop system	3Pump Open loop system
Hydraulic oil tank capacity	ℓ	120	180	200
Filteration	micron	10	10	10
Pump model		K3V63x2+HBF30	K3V112x2+H3V63S+PILOT	K5V140x2+H3V63S+PILOT
Cooling system		Air cooling	Air cooling	Air cooling
Operating pressure	kgf/cm ²	280	280	300
CRAWLER BASE				
Crawler type		Solar 035	Solar 055	Solar 075
Crawler speed	km/h	2.5	2.5	2.5
Ground pressure	kgf/cm ²	0.6	0.5	0.6
Option		-	Rubber Track	Rubber Track
MUD PUMP-BASIC				
Model		D&B-300MP	D&B-800MP	D&B-800MP
Type		Duplex piston actiong cylinders	Duplex piston actiong cylinders	Duplex piston actiong cylinders
Max. Flow capacity	ℓ/min	300	800	800
Max. Water pressure	kgf/cm ²	70	70	70
CABIN-Option				
Interior		-	Radio, Air conditioner,heater	Radio, Air conditioner,heater
OPTION				
CRANE				
Lift Capacity	ton	1	1	3
Auger				
type		Hyd.motor acting auger	Hyd.motor acting auger	Hyd.motor acting auger
Auger depth	mm	700	1000	-
WINCH				
Capacity	ton	5	5	10
Wire dimention	mm	10	10	16
AUTO ROD CHANGER				
Capacity-Rod length	m	3	4.5	4.5
WELDER				
Capacity	mA	250	250	250
MUD PUMP-OPTION				
D&B-800MP		D&B-800MP	D&B-800MP	
D&B-1500MP				D&B-1500MP

		D&B-80HDD	D&B-100HDD	D&B-150HDD
DIMENSIONS & WEIGHT				
OA length-transport	m	10.2	10.2	10.2
OA width	m	2.6	2.8	2.8
OA height-transport	m	2.4	2.4	2.4
Weight	ton	18.5	19	19
ENGINE				
Model(Diesel engine)		Hyundai D6CC	Hyundai D6CC	Hyundai D6CC
Cylinder		6	6	6
Rated Power at 1800rpm	hp	540	540	540
Fuel tank capacity	ℓ	200	500	500
Fuel consumption	g/ps.h	146	146	146
Cooling system		Water cooling	Water cooling	Water cooling
ROTATION HEAD				
Model		HJG1000	HJG1000	HJG1000
Reduction	ratio	Super gear 4:1,Flattery 4.5:1	Super gear 4:1,Flattery 4.5:1	Super gear 4:1,Flattery 4.5:1
1st RPM/Torque	rev/min,kg.m	60/3000	40/4000	40/4000
2nd RPM/Torque	rev/min,kg.m	120/1500	80/2000	80/2000
FEED SYSTEM				
Type/model		Rack and pinion gear	Rack and pinion gear	Rack and pinion gear
Travels Cylinder	mm	6 Motors,Reduction 50:1	6 Motors,Reduction 50:1	6 Motors,Reduction 50:1
Head travel	m	6.8	6.8	6.8
Retract capacity	ton	80	100	120
Push down capacity	ton	80	100	120
HYDRAULIC SYSTEM				
System		5Pump Open loop system	5Pump Open loop system	6Pump Open loop system
Hydraulic oil tank capacity	ℓ	240	350	350
Filteration	micron	10	10	10
Pump model		K5V140x2+K3V63x2+PILOT	K5V140x2+K3V63x2+PILOT	K5V140x2+K3V63x2+35D
Cooling system		Air cooling	Air cooling	Air cooling
Operating pressure	kgf/cm ²	280	300	300
CRAWLER BASE				
Crawler type		Solar 75V	Solar 130V	Solar 130V+5
Crawler speed	km/h	2.5	2.5	2.5
Ground pressure	kgf/cm ²	0.6	0.6	0.6
Option		Rubber Track	Rubber Track	Rubber Track
MUD PUMP-BASIC				
Model		D&B-800MPx1	D&B-800MPx2	D&B-800MPx2
Type		Duplex piston actiong cylinders	Duplex piston actiong cylinders	Duplex piston actiong cylinders
Max. Flow capacity	ℓ/min	800	1600	1600
Max. Water pressure	kgf/cm ²	70	70	70
CABIN-Option				
Interior		Radio, Air conditioner,heater	Radio, Air conditioner,heater	Radio, Air conditioner,heater
OPTION				
CRANE				
Lift Capacity	ton	1	3	3
Auger				
Type		Hyd.motor acting auger	Hyd.motor acting auger	Hyd.motor acting auger
Auger depth	mm	-	-	-
WINCH				
Capacity	ton	8	10	10
Wire Dimension	mm	14	16	16
AUTO ROD CHANGER				
Capacity-Rod length	m	6	6	6
WELDER				
Capacity	mA	250	250	250
MUD PUMP-OPTION				
D&B-1500MP		D&B-1500MP	D&B-1500MP	D&B-1500MP