

**desco drill rig**

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# SP7000S

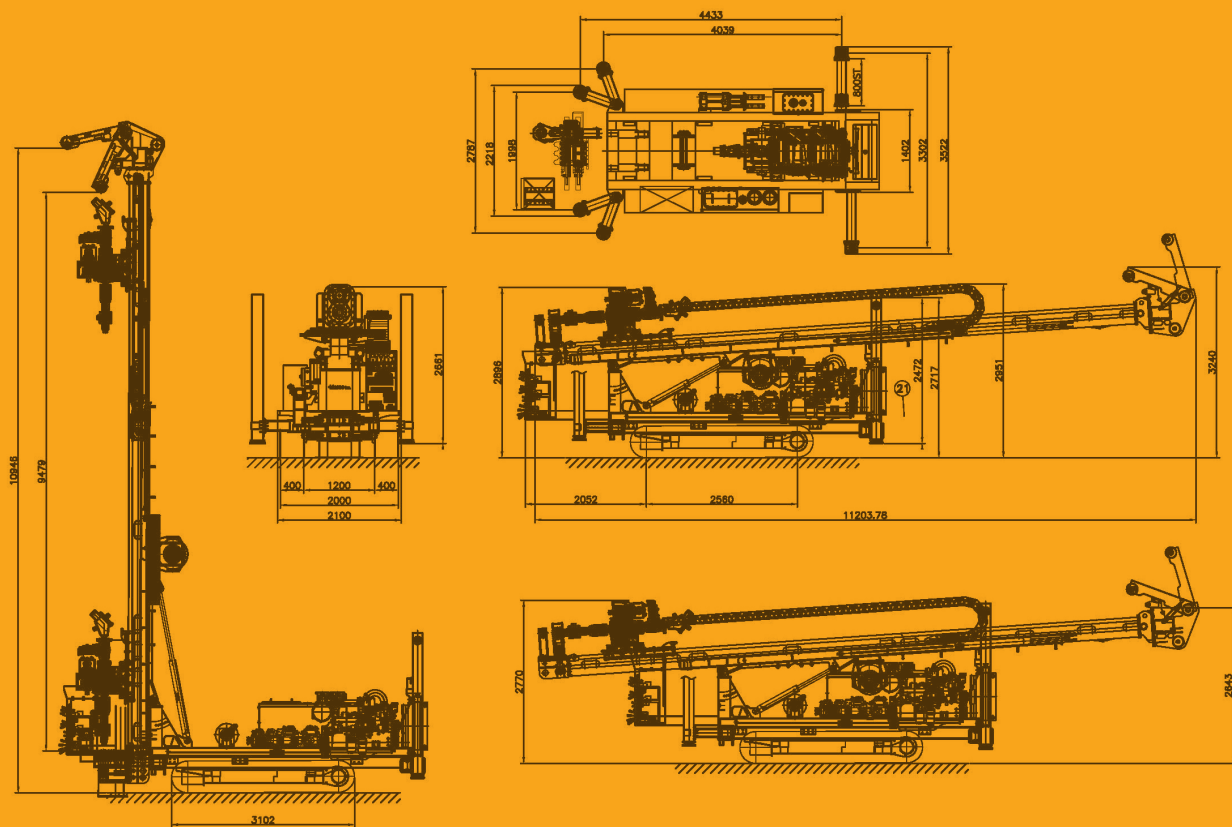
## Deep Exploration Drilling Equipment



# SP7000S (Deep exploration diamond drilling)

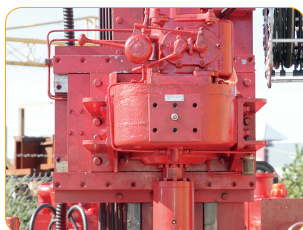
As one of the most standard drills upto HQ-1300M depth for exploration diamond drilling, SP7000S surface coring drill is an advanced addition to the SP-S series featuring a telescopic and dump mast. SP7000S is capable of both wireline and conventional coring, as well as DTH, rotary drilling methods with pullback capacity of 25 ton and a torque can be increased. Compactable size enables drillers to easily operate & manage in working place. SP7000S can also include an advanced rod management system that ensures safe and efficient operation. A radio remote safely positions the driller away from the rig during traveling.

- \* SP7000S for exploration diamond drilling
- \* Design for drilling up to HQ 1300M
- \* Diamond drilling methods (Main)
- \* Wireline system
- \* Percussion & rotary drilling methods (Additional)
- \* Vertical, Angle Drilling (45 degree - 90 degree) capability
- \* Foot clamping system
- \* All instrument & control levers are concentrated.
- \* Mounted full package on drill rig
- \* Self-loading system
- \* Installed major hyd. Parts so easy to find spare parts in the market
- \* Options - inverter, auto rod changer, pre-heating system, wireless remote control and so on



If you want the kind of drill rigs,  
**DESCO INC.** is at your solution and service.





**desco** drill rig

## TECHNICAL SPECIFICATION

### Top head rotation

Rotation torque  
Rotation speed  
Rotation speed & torque can be controlled

### Two speed motors

500kg.M (low) / 120kg.M (high)  
0 ~ 100 rpm (low) / 0 ~ 1200 (high)

### Feed System

Feed system type  
Feed hydraulic cylinder  
Feed stroke  
Pull-back force  
Down force

Variable Speed Hydraulic Cylinder  
150mm\*110mm\*3750mm  
7.5M (Drill Pipe - Max. 6.0M)  
25ton  
12ton

### Dimension & Weight

Net weight  
Width  
Length (mast folded / unfolded)  
Height (mast folded / unfolded)

16.5ton  
2.3M  
10.5M  
2.8M

### Engine

Engine model  
Engine power  
Cooling system  
Fuel tank  
Electrical system

Hyundai D6AZ  
270HP@1800rpm  
Water  
300 Liters  
24V DC

### Hydraulic system

General  
Pump model  
System hyd. oil flow  
Hydraulic tank  
Operating pressure

Single variable displacement pump, pressure & flow controlled  
K3V112\*2+28\*2 (4 pumps)  
480 LPM  
400 Liters  
280 Bar

### Working table & hyd. clmap

Foot clamping system  
Max. diameter  
Hyd clamp

8"  
8"

### Outrigger

Four hyd. Jacks & outriggers - Front jacks & outriggers (swing 45°)  
Ground clearance  
Width

800mm  
3000mm

### Crawler base

Doosan model (Steel)

### Main hoist

Hoist type  
Linepull capacity  
Spool capacity  
Wire line

Variable speed planetary c/w brake  
10ton  
14mm \* 30M  
Drum for 1300M \* Dia 6mm (900kg)

### Mud pump

Hydraulic cylinder operated duplex piston pump  
Capacity  
Max. pressure

300 LPM  
40 bar

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## STANDARD / OPTIONAL

	STANDARD	OPTIONAL	OPTIONAL REQUEST
Drill head			
Drill head	DSDH-900F		
Drill head - sliding	0		
Feed system			
Mast slide (dump up and down)	0		
Bolted mast foot	0		
Control panel	0		
Hydraulic system			
Auxiliary hydraulic ports	0		
Hydraulic breakout table			
Max. diameter	max. 8"	over 8"	
Single clamp	0		
Double clamp	0		
Crawler base			
Steel track	0		
Steel track with rubber pad	0		
Main hoist			
Main winch	max. 10ton	over 10ton	
Jib with winch	0		
Wireline	0		
Mud pump			
Capacity	300LPM		
Design for angle drilling	0		
Foot clamping system	0		
Water injection pump	0		
Triplex mud pump	0		
DTH oil lubricator	0		
Auto rod changer	0		
Preheating system	0		
Wireless remote travel	0		
Safety cage	0		

**Notice** As your optional list, engine, hyd. system, crawler and so on can be changed and design of drill rigs can be changed.

Specifications are general and subject to change without notice. Due to selected options, delivered equipment may not necessarily match that shown.

