

# desco drill rig

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## SP7500 Deep Hole Drilling



# SP7500 (Most strong & powerful)

As one of the most power drills upto 700M depth for waterwell & geothermal, the SP7500 delivers super power in a compact package.

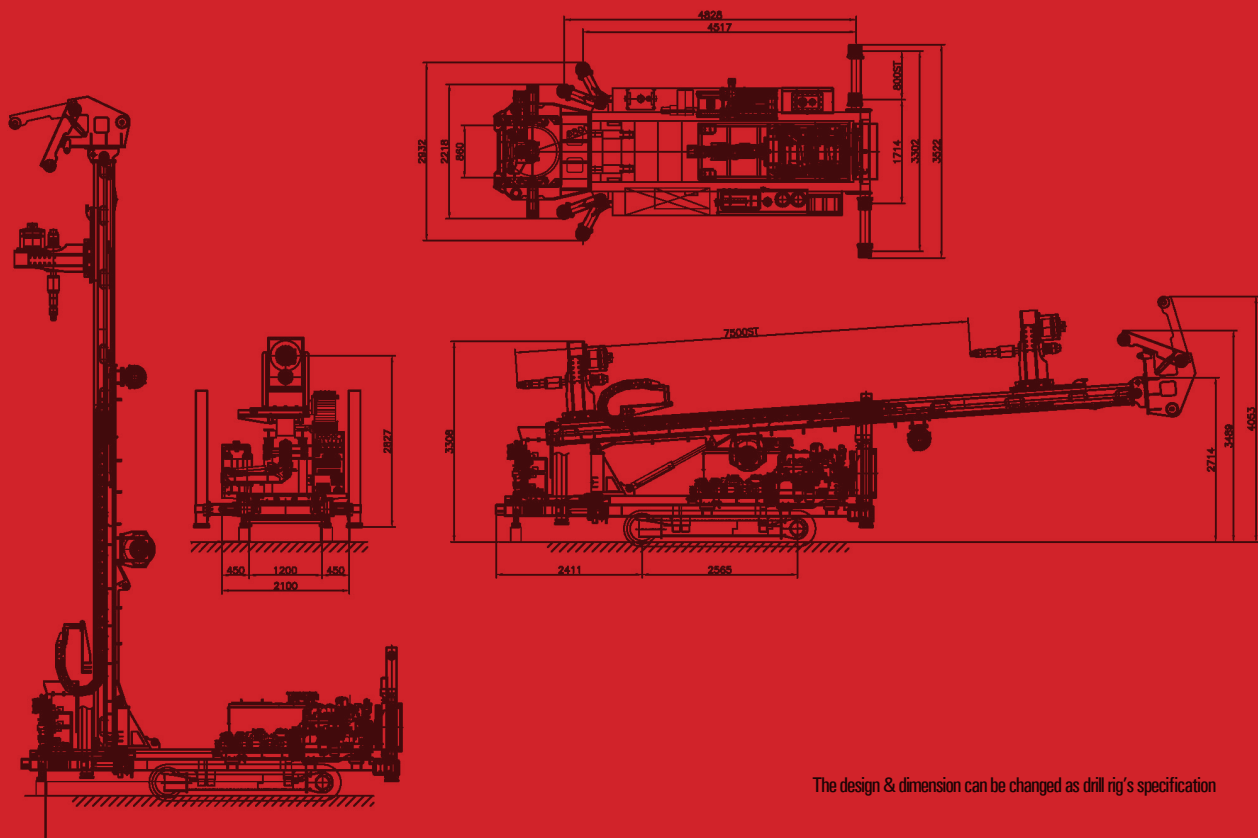
Compactable size enables drillers to easily operate & manage in working place

SP7500 features a pullback capacity of 30 ton and a torque can be increased

SP7500 can also include a advanced rod management system that ensures safe and efficient operation

A radio remote safely positions the driller away from the rig during traveling

- \* SP7500 for waterwell & geothermal drillin
- \* Design for drilling up to 700M with dia. 8" and up to dia. 18"
- \* Percussion drilling method
- \* Rotary drilling methods
- \* Auger drilling methods
- \* All instrument & control levers are concentrated.
- \* Mounted full package on drill rig
- \* Self-loading system
- \* Easy to repair the machine by yourself due to full Hyd. 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



The design & dimension can be changed as drill rig's specification

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

1000kg.M (low) / 500kg.M (high)  
0 ~ 60 rpm (low) / 0 ~ 120 (high)

### Feed System

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

Variable Speed Hydraulic Cylinder  
160mm\*110mm\*3750mm  
7.5M (Drill Pipe - Max. 6.0M)  
30ton  
14ton

### Dimension & Weight

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

17.5ton  
2.3M  
10.5M  
3.2M

### 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  
K3V140\*2 + 63\*2 (4 pumps)  
550LPM  
400 Liters  
280 Bar

### Working table & hyd. clamp

Max. diameter  
Hyd clamp

18"  
18"

### 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

Variable speed planetary c/w brake  
10ton  
14mm \* 30M

### Mud pump

Hydraulic cylinder operated duplex piston pump  
Capacity  
Max. pressure

800 LPM  
40 bar

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## STANDARD / OPTIONAL

	STANDARD	OPTIONAL	OPTIONAL REQUEST
<b>Drill head</b>			
Drill head	DSDH-900	DSDH-1000	
Drill head - sliding	0		
<b>Feed system</b>			
Mast slide (dump up and down)	0		
Bolted mast foot	0		
Control panel	0		
<b>Hydraulic system</b>			
Auxiliary hydraulic ports		0	
<b>Hydraulic breakout table</b>			
Max. diameter	max. 18"	over 18"	
Single clamp	0		
Double clamp		0	
<b>Crawler base</b>			
Steel track	0		
Steel track with rubber pad		0	
<b>Main hoist</b>			
Main winch	max. 10ton	over 10ton	
Sub winch		0	
<b>Mud pump</b>			
Capacity	800LPM	1000LPM	
Water injection pump		0	
Inverter (5.5kw / 100V ~ 220V)		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.

