

**desco drill rig**

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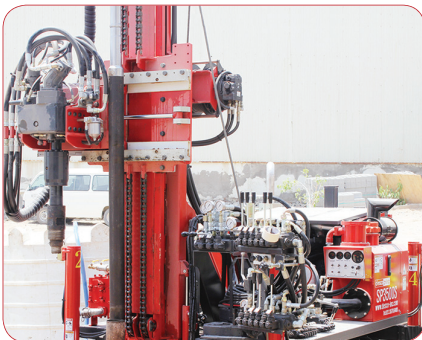
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# SP3500S

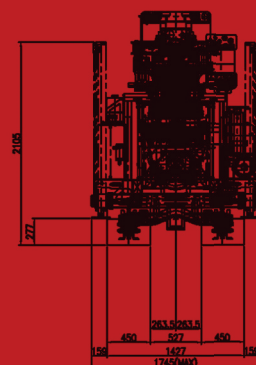
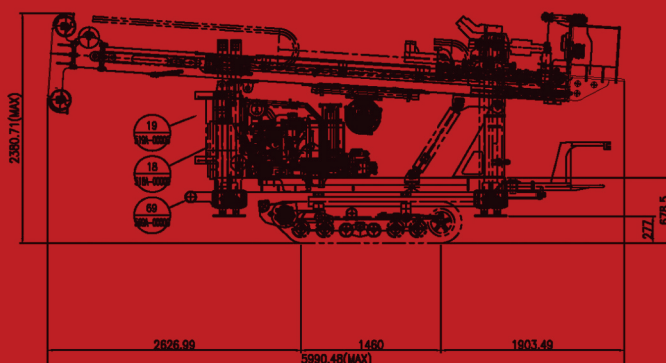
## Exploration Drilling Equipment



# SP3500S (Desco's smallest model)

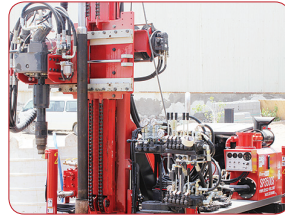
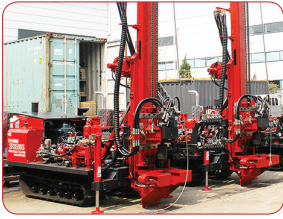
As one of the most compact drills upto NO-300M depth for exploration diamond drilling, SP3500S surface coring drill is an advanced addition to the SP-S series featuring a telescopic mast. SP3500S is capable of both wireline and conventional coring, as well as DTH, rotary drilling methods with pullback capacity of 10 ton and a torque can be increased. Compactable size enables drillers to easily operate & manage in working place. SP3500S can also include a advanced rod management system that ensures safe and efficient operation.

- \* SP3500S for exploration diamond drilling
- \* Design for drilling up to NO. 300M
- \* Diamond drilling methods (Main)
- \* Wireline system
- \* Percussion & rotary drilling methods (Additional)
- \* 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, 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

200kg.M (low) / 40kg.M (high)  
0 ~ 120 rpm (low) / 0 ~ 1300 (high)

### Feed System

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

Variable Speed Hydraulic Cylinder  
90mm\*55mm\*1800mm  
3.8M (Drill Pipe - Std. 3.0M)  
8ton  
3ton

### Dimension & Weight

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

4.2ton  
1.7M  
5.9M  
2.2M

### Engine

Engine model  
Engine power  
Cooling system  
Fuel tank  
Electrical system

Doosan DB58  
85HP@1800rpm  
Water  
150 Liters  
24V DC

### Hydraulic system

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

Single variable displacement pump, pressure & flow controlled  
K3V63\*2+32 (3 pumps)  
180LPM  
150 Liters  
250 Bar

### Working table & hyd. clamp

Max. diameter  
Hyd clamp

6"  
6"

### Outrigger (Self-loading system)

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

700mm  
1300mm

### Crawler base

Desco model (Rubber)

### Main hoist

Hoist type  
Linepull capacity  
Spool capacity  
Wire line

Variable speed planetary c/w brake  
3ton  
12mm \* 25M  
Drum for 300M \* Dia 5mm (300kg)

### Mud pump

Hydraulic cylinder operated duplex piston pump  
Capacity  
Max. pressure

150 LPM  
40 bar

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## STANDARD / OPTIONAL

	STANDARD	OPTIONAL	OPTIONAL REQUEST
<b>Drill head</b>			
Drill head	DSDH-750F	DSDH-850F	
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. 6"	over 6"	
Single clamp	0		
Double clamp		0	
<b>Crawler base</b>			
Rubber track	0		
Steel track with rubber pad		0	
<b>Main hoist</b>			
Main winch	max. 3ton	over 3ton	
Jib with winch		0	
Wireline	0		
<b>Mud pump</b>			
Capacity	150LPM		
Water injection pump		0	
Triplex mud pump		0	
Inverter (5.5kw / 100V ~ 220V)		0	
DTH oil lubricator		0	
Auto rod changer		0	
SPT device		0	
Preheating system		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.

