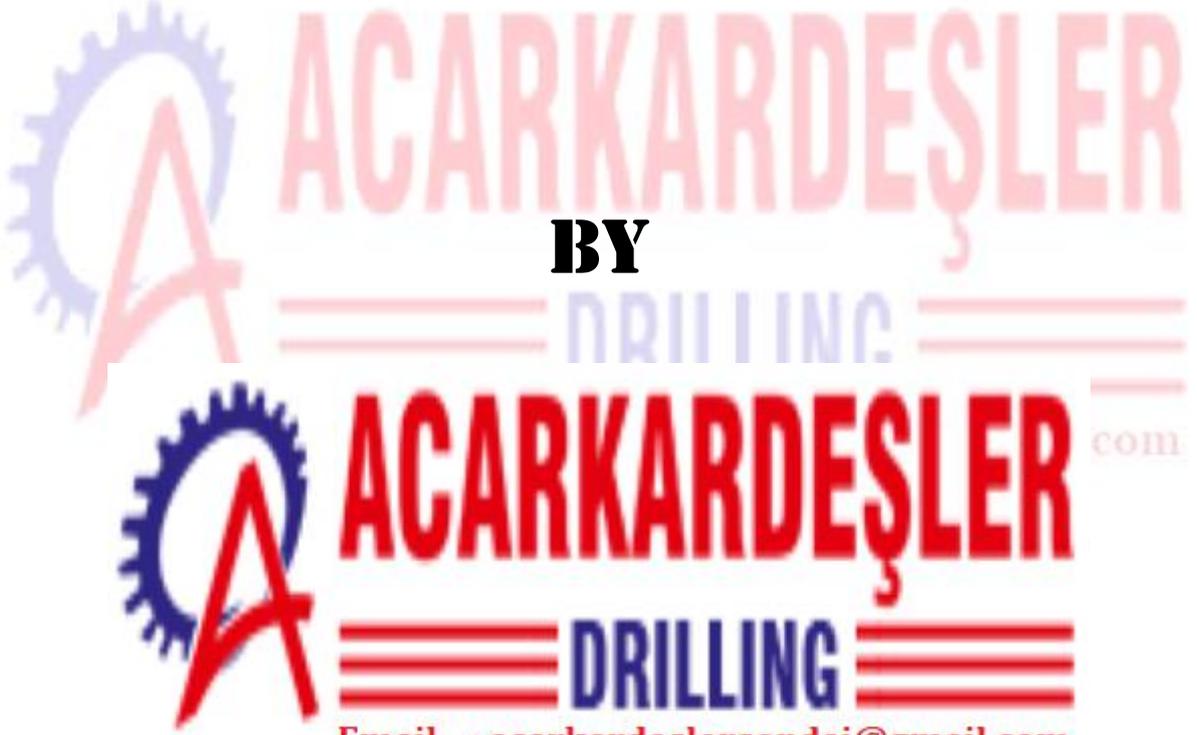


**2500 METERS DEPTH**

**DRILLING RIG**

**WITH**

**125 TONS HOISTING CAPACITY**



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# **TECHNICAL SPECIFICATIONS**

## **1. TRAILER**

<b>Dimensions of 3-Axle Trailer (2 Axle inverted scissors, 1 axle bellows)</b>
<b>Length: 14 meters</b>
<b>Width: 3.00 meters</b>
<b>Chassis Thickness is 500mm NPU Iron</b>
<b>Trailer has 12 wide -wheels and 1 spare tire (all new)</b>

## **2. MAST**

<b>Mast is telescopic double mast,</b>	
<b>Outer mast : 16.50 meter long, 100x100 square profile, 10 mm thickness</b>	
<b>Inner mast : 12.50 meter long, 100x100 square profile, 10 mm thickness</b>	
<b>Mast Load Capacity</b>	<b>125 tons</b>

## **Dimensions of the Mast**

<b>Length:</b>	<b>26,5 meters (from rotary table to pulley blocks)</b>
<b>Rear Width:</b>	<b>2,70 meters</b>
<b>Grand pulley block table has 13 wheel. (wheel diameters 500 mm)</b>	
<b>Mast standby line will be 4 inches</b>	
<b>Inner mast and mast lock system will be hydraulic system.</b>	
<b>Monkey board (Balcony) will be built to carry 2500 meter rods.</b>	
<b>The balcony will be folded hydraulically.</b>	

## **3. DECK ENGINES**

<b>Double Diesel Deck Engines will be mounted on the Rig</b>
<b>Both deck engines are D16 VOLVO 520 HP</b>
<b>Engine Transmissions are ALLISON 5900 Automatic</b>

## **4. POWERTRAIN SYSTEM**

<b>Transfer Case will be six input and six output</b>
<b>Chains of Transfer Case are 1¼” and 4 roller.</b>
<b>The case will have 3 clutch (500 mm diameter)</b>
<b>Transfer Case can hold for 1000 HP.</b>

## **5. DRAW-WORKS**

<b>Draw Works will have double drum and reductor transfer.</b>
<b>Draw work center winding places will be 500mm</b>
<b>Brake Drums diameter is 1050 mm</b>
<b>Drums winding wide will be 700 mm</b>
<b>Drawworks has 8 pcs geartooth facings (700 mm diameter)</b>
<b>Draw work has 4 air clutch and clutch system has air supported clutch.</b>
<b>Main drum brake will be mechanic,</b>
<b>In addition, draw work has 4 circle brake (each drum has 2)</b>
<b>Also draw work has hydromatic water brake.</b>

## **6. ROTARY TABLE**

<b>Dimensions of the Rotary table</b>	
<b>Inner Diameter</b>	<b>460 mm (17,5 “)</b>
<b>Rotary will be original US-Made, used but fully maintained.</b>	

## **7. SWIVEL, KELLY BAR AND PULLEY BLOCKS**

### **A. Swivel**

<b>Swivel load capacity</b>	<b>125 tons</b>
<b>Swivel Pipe diameter</b>	<b>4 inches</b>

### **B. Kelly**

<b>Kelly Bar length is 12 meters and Kelly Bar width is 130mm – 140 mm</b>
<b>Kelly Bar is used but fully maintained.</b>

## **C. Pulley Blocks**

**Pulley blocks wheels diameter is 500 mm. 4 pieces 2 sets, every set has 4 Pulley blocks. Totaly It has 8 wheels.**

**Pulley blocks capacity will be 125 tons.**

## **8. LIFTING SYSTEM (JACKS)**

**Total Numberof double leg-Lifts on theRig is 4.**

**The rig has 4 hydraulic lifts.**

**The hight from ground to rotary will be 3 meters.**

## **9. PLATFORM AND CABIN**

**There will be 60 cm wide walking platform all around the rig.**

**There will be a rod stand platform, sized 350 cm X 300 cm.**

**The walking platforms will have railings,**

**There will be an engine cabin, rod slides, ledders and two tool cabins.**

**The platform system will be moving type, It can be used the rig is low or high.**

**There will be a drillers cabin, sized 200 cm x 300 cm**

## **10. LINE**

**Line of the rigs will be (6x36) 26 mm sized and 600 meter long.**

**Lines will be hempen and soft type.**

**Monkey board, hyraoulic lifts and tong will have lines ( double tong).**

## **11. HYDRAULICS**

**There will be 2 telescobic mast lifts, 4 leg lifts, 1 inner mast lift, 2 main mast lifts, 2 monkey board lifts and 2 tong lifts total 13 lifts.**

**All lifts, control handles and installations will be new.**



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## **12. AIR SYSTEM AND INDICATORS**

All systems on the rig will be air pressure system.

The rig will have 8 bar compressor.

The rig will have weight indicator, air bar indicator, mud pump pressure indicator, hydraulic bar indicator, tong power indicator and air pneumatic levers.

## **13. ELECTRICAL POWER AND PAINT**

The rig will have 6 led type lighting and 2 stop lights. Lights will work with 24 volt accumulator voltage.

The rig will have engine indicator and engine operating time indicator.

The paint will be first class and color will be chosen according to customer's choice

Control Panel will have Engine Start & Stop Button, heat and oil indicator

## **14. EQUIPMENTS**

The rig will have two hydraulic tong and dummy weight.

There will be standby line hose, kelly bujng and master bujng.

The rig will have a vinch with 3 tons capacity.

## **15. WARRANTY**

All tests will be full filled before painting.

Acarkardesler Drilling Company's warranty is valid against all sort of manufacturing faults for one year and 6 years service warranty After first year service and spare parts will be paid by the custome in other 6 years.

This warranty does not cover User-Originated faults

Manufacturer is going to be come with every exported- drilling rig for only 10 days to control all working –drilling system and training

Acarkardesler Drilling Company will help to customer in the matter of providing full time drillers for determined fee



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## **16. DELIVERY TERMS**

**The rig will be delivered in 6 months after advanced payment paid.**

**The rig will be delivered in the factory Konya / TURKEY**

