



ANATOLIA SONDAJ

ANT 2500



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ANT2500

ANT2500 drilling rig is capable of drilling up to 2,500 meters with NQ diameter, 1,750 meters with HQ diameter, and 850 meters with PQ diameter. The **ANT2500** drilling rig is designed and manufactured to operate in all types of geological formations and terrain conditions. In this context, world-class components and equipment are used, and all parts and components utilized in the machine are easily accessible worldwide, ensuring reliable operation and convenient maintenance wherever it is used.

OPTIONS

- ✓ High-quality equipment and components that are easily accessible worldwide
- ✓ Full compliance with all occupational health and safety standards
- ✓ Remote control and monitoring panel systems are utilized
- ✓ Easy and safe operation
- ✓ Custom machine manufacturing in line with your specific requirements and requests



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DRILLING MACHINE

MAIN COMPONENTS

- ✓ Hydraulic telescopic mast
- ✓ Main hoist and wireline winch
- ✓ 200-liter fuel tank
- ✓ Triplex mud pump
- ✓ Multi-option control panel
- ✓ Optional diesel engine
- ✓ Rotation unit
- ✓ Hydraulic crawler system (8–12 ton capacity)



HIGH PERFORMANCE

The ANT2500 Drilling Rig is designed for continuous 24/7 operation under harsh terrain and extreme climate conditions. Its high-quality hydraulic and mechanical components are engineered to deliver long service life and superior performance. With its advanced technology and robust structure, the ANT2500 ensures maximum efficiency with minimal maintenance requirements.

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SAFETY

The **ANT2500** Drilling Rig is manufactured in full compliance with all occupational health and safety standards. Our company adopts a zero-accident policy, supported by comprehensive personnel training and the use of fully integrated safety equipment on the machine.

EASE OF USE

The **ANT2500** Drilling Rig is equipped with both analog and digital indicators. Its control panel allows simultaneous monitoring of all operational data. In addition, the system provides remote monitoring and control capabilities from thousands of kilometers away.

- ✓ Hydraulic pressures
- ✓ Rotation torque
- ✓ All engine data
- ✓ Direction information
- ✓ Drilling depth
- ✓ Rotation speed (RPM)
- ✓ Water pressures
- ✓ Mud mixture data
- ✓ Heat and temperature values
- ✓ Weight and lifting forces



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2500**

DRILLING MACHINE

REMOTE MONITORING & CONTROL

Thanks to its advanced sensor and software infrastructure, the **ANT2500** enables real-time monitoring and control of all operational data. Without being on-site, you can remotely monitor critical parameters such as pressure, torque, depth, inclination, and temperature, and manage the machine safely and efficiently.



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HYDRAULIC FEATURES

UNIT	BRAND	FLOW RATE	PRESSURE
MAIN HYDRAULIC PUMP Variable Displacement Hydraulic Pump	Rexroth / Kawasaki / Danfoss	160cc	350bar
Second variable displacement pump	Rexroth / Kawasaki / Danfoss	45cc	350bar
Third variable displacement pump	Rexroth / Kawasaki / Danfoss	28cc	280bar
Fourth (gear) pump	Casappa / Hema	19cc	200bar
Fifth (gear) pump	Casappa / Hema	8cc	
Wireline hydraulic motor	Brevini / Danfoss	400cc	
Mud pump hydraulic motor	Danfoss / Eaton	100cc	
Drum winch hydraulic motor	Rexroth	80cc	
Hydraulic control unit	Danfoss / Bucher		
Hydraulic components	Sun / Oleoweb		
Hydraulic tank capacity	400 L hydraulic tank capacity		Dual Cooling System
Cooling system	AKG		
Filters	Rotation, return, suction, and other filters		

ENGINE FEATURES

ENGINE MODULE	Cummins / Ford / Volvo / Mercedes-Benz
Maximum power	360 Hp - 450 Hp @2100rpm
Fuel tank capacity	Tank Capacity
Emission class	Emissions Certification
Torque values	1700 Nm @1300 rpm
Control unit	Electronic Control (ECM)

DRILLING CAPACITY

DIAMETER	OUTER DIAMETER (OD)	DRY	WET
BQ	55,60mm	2400 metre	3000 metre
NQ	69,90mm	2800 metre	2500 metre
HQ	88,90mm	1250 metre	1750 metre
PQ	114,90mm	600 metre	850 metre

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DRILLING MACHINE

MAST FEATURES

MAST OPERATING ANGLE 0° - 90°

Feed travel	350cm
Thrust capacity	18.000kg
Pullback capacity	24.000kg
MAST FEATURES	Telescopic extendable mast 6-meter rod pulling capacity Dual piston structure Sliding rotation unit Safe wireline sheave (pulley)

WINCH & WIRELINE FEATURES

OPERATING ANGLE 0° - 90°

Drum winch	Proportional hydraulic motor 18,000 kg pulling capacity 15 m/min pulling speed 18 mm wire rope winding capacity
Wireline Hoist	37 kN free line pull 8.9 kN line pull under load 130 m/min free line speed 550 m/min line speed under load 6 mm wire rope, 1,600 m winding capacity
Crawler system	12-ton pulling capacity

ROTATION UNIT

LF230 LONGYEAR TYPE

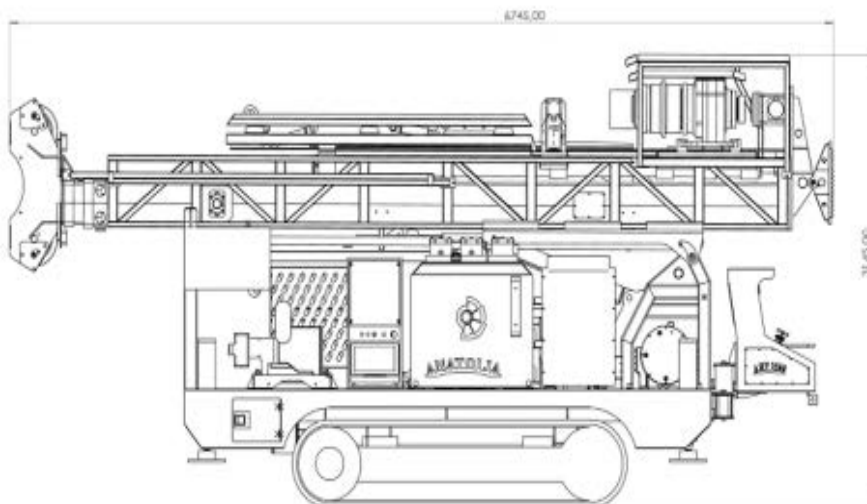
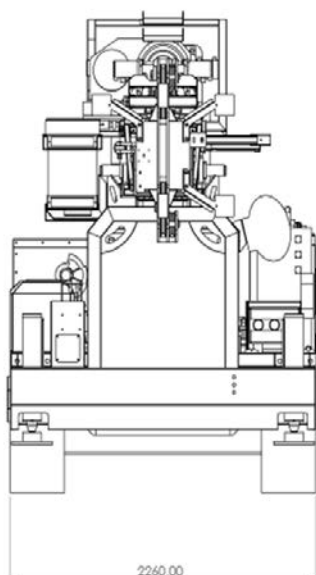
HYDRAULIC MOTOR 160cc

Rod clamping diameter	119mm
Number of jaws	7 Adet
Rod holding capacity	184.700 N
Jaw type	Hydraulic opening and closing
Mechanical gearbox	Funk 4-speed transmission
Rotation gear ratio	2:1

GEAR RATIO RPM TORQUE

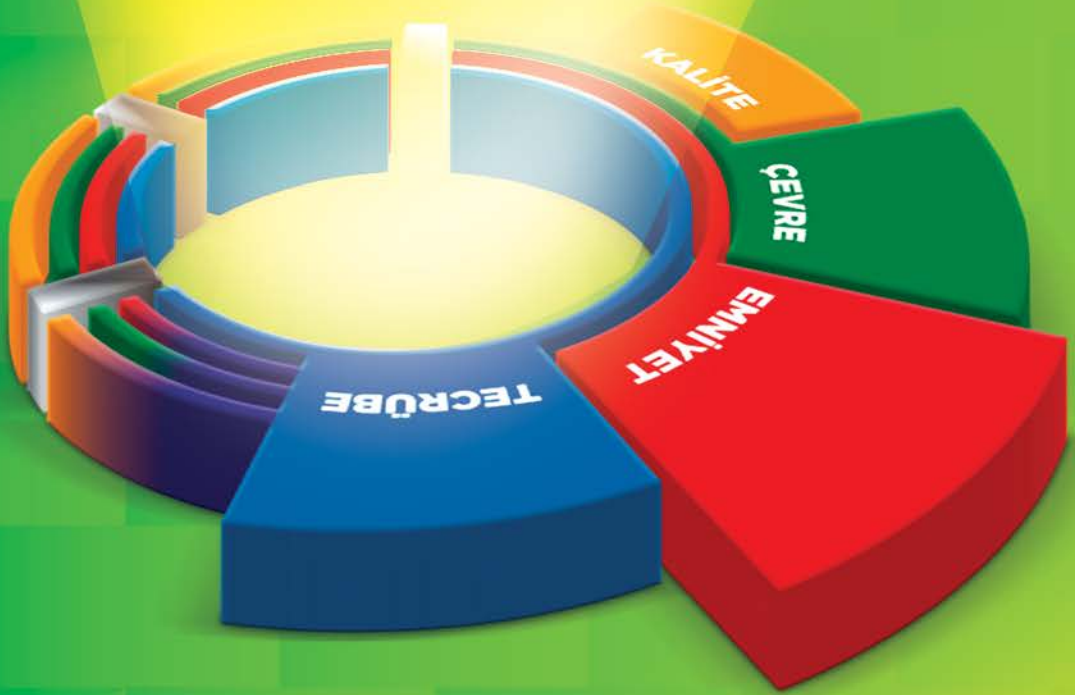
6,27:1	160rpm-260rpm	9.582 Nm-6.007 Nm
3,12:1	320rpm-522rpm	4.941 Nm-2983 Nm
1,75:1	571rpm-930rpm	2.716 Nm-1.678 Nm
1,00:1	1.000rpm-1.630rpm	1.564 Nm-722 Nm

ANT2500 MACHINE DIMENSIONS



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ANATOLIA DRILLING TRADE AND INDUSTRY CO. LTD.

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