



EN



C 1000

Sustainable High Performance

C SERIES™

CHASSIS TYPE



CRAWLER



SKID FRAME



WHELLED



CSK SONDAJ Madencilik ve Mühendislik Ltd. Şti.

SERIES™

CSK ALTERNATİF MAKİNA SANAYİ TİCARET A.Ş.

Technical specifications

Drilling Capacity*		Hole Depth	
BWL		1540 mt	
NWL		1200 mt	
HWL		800 mt	
PWL		475 mt	
Power Unit		Metric	
Diesel Engine		Cummins, Ford, Volvo or Deutz	
Power (max.) at 2200 RPM		164 kW (220hp)	
Torque & RPM Ratings**		Speed (no load)	Torque (stall)
1st Gear		117-196 RPM	5113-3051 Nm
2nd Gear		245-410 RPM	2445-1459 Nm
3rd Gear		451-756 RPM	1326- 792 Nm
4th Gear		776-1300 RPM	771-460 Nm
Hydraulic System		Metric	
Primary Pump		Axial piston, variable displacement load sensing, pressure compensated with low pressure standby.	
Max Flow		190 L/m	
Max Pressure (Factory Setting)		28 Mpa	
Secondary Pump		Axial piston, variable displacement load sensing, pressure compensated with low pressure standby.	
Max Flow		80 L/m	
Max Pressure (Factory Setting)		23 Mpa	
Auxiliary Pump		Axial piston, variable displacement, pressure compensated	
Max Flow		80 L/m	
Max Pressure (Factory Setting)		18 Mpa	
Hydraulic Tank Capacity		400 l	
Drill Head		Rotation Motor- Rexroth hydraulic motor- variable/reversible	
Rotations		1st	6.63:1
		2nd	3.17:1
		3rd	1.72:1
		4th	1.00:1
Final Drive		4 in chain driven in oil bath	
Ratio		1- 2,5 ratio	
Head Opener		Side shift style- hydraulically actuated Hydraulically open, spring closed Hydraulically opened, spring closed	
Hydraulic P Chuck		Axial holding capacity of 18 143 kg (50,000 lbf)	
Drill Head		Force fed bearings, oil bath for gears	
Drillhead Lubricating Oil Filtration		25 micron suction oil filter - independent constant flow	
Drill Mast and Feed System		Metric	
Feed Stroke		3.5 m	
Max Pull Capacity		138.0 kN	
Max Thrust Capacity		59.6 kN	
Rod Pull		3 or 6 m	
Drilling Angle		45 Degrees off horizontal to 90 degrees vertical down	
Mast Dump (crowd)		2.34 m	
Mast Telescope		N/A (OPSIYONEL)	
Draw Works		Metric	
Main Line Hoist		SINGLE speed motor	
Bare Drum		71.2 kN	
Hoisting Speed (single part line)			
Bare Drum		35m/s	
Main Hoist Cable		15 mm	
Min. Breaking Strength		226.0 kN	
Foot Clamp Capacity		HWT	
Wire-Line Hoist****			
Level Wind		N/A (OPSIYONEL)	
Level Pull			
Bare Drum		11,9 kN	
Full Drum		3.0 kN	
Line Speed			
Bare Drum		114 m/min	
Full Drum		453 m/min	
Drum Capacity (4.8mm/316 degree swaged)		1830 m	
Min. Breaking Strength		1980 kg	
Additional Information		Metric	
Fuel Tank Capacity		300 L	
C1000 Dimensions and Weights		Metric	
Weight		10.000 kg	
Width		2400 mm	
length		6900 mm	
height		2300 mm	
Rotation Unit Grp. c/w P Chuck/Head Guard			

* The figures in these table are estimates which have been calculated using the applicable pullback capacity of the drill and on an effective rock tensile strength of 5 Mpa. Actual drilling results may vary and will depend on in-hole tools, subsurface and other environmental conditions, drilling techniques and equipment used. Always verify manufacturers' rod depth ratings prior to use. Depth are based on vertical hole.

** (Hydraulic motor at max./min. Displacement, prime mover at 1.800 RPM). Head output speed and torque are infinitely variable in each gear range as indicated. Actual rotation speed is affected by RPM and hydraulic motor displacement setting.

*** Do not use multiple part lines with the main line hoist, use single part line ONLY.

**** Wireline cable length to be specified at time of order.

***** Dimensions and weights may vary depending on options and should be checked before carting or lifting.

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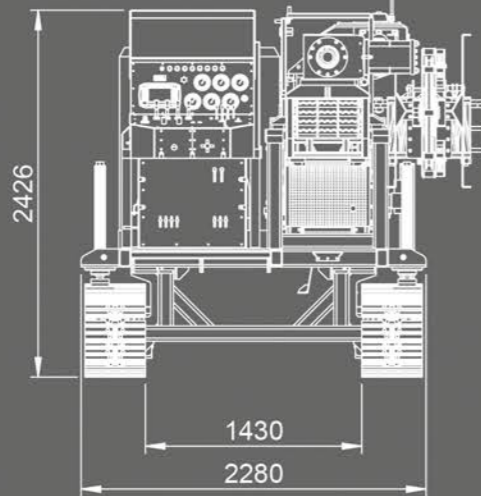
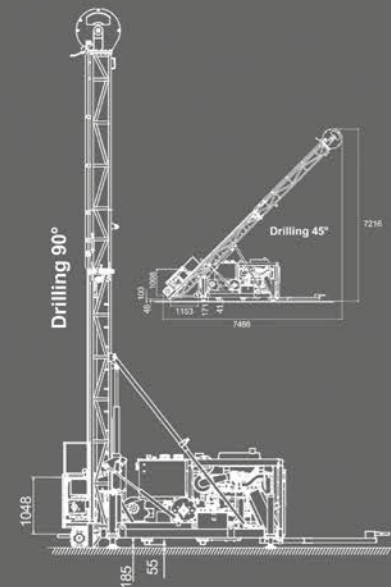
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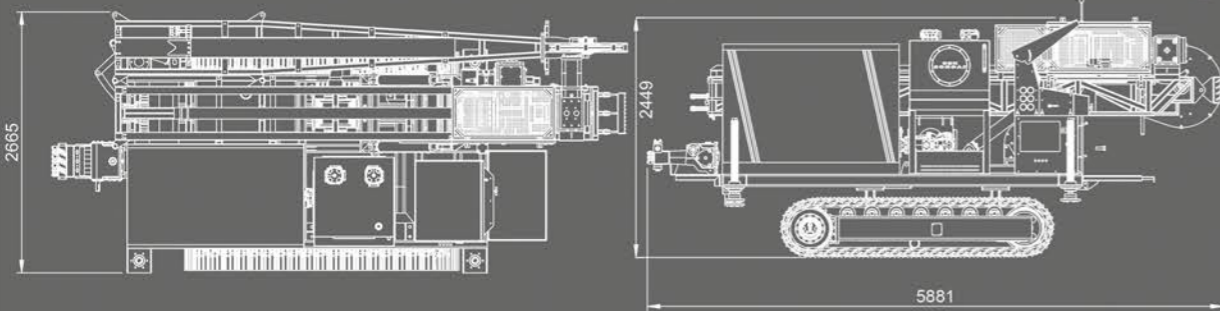
C1000 Core Drilling Rig

Surface

The C Series surface core drilling rigs have a well-earned reputation for reliability when it comes to safety and performance. Large core samples, a gear driven rotation unit and a constant penetration rate allow the C1000 to boost your productivity and profits. The durable C1000 rig is also designed to help you meet tough environmental protection demands anywhere in the world. The C Series C1000 is the perfect exploration drill for surface applications where the drill sites quite often are in remote places and a high productivity is wanted.



CSK-135 Mud Pump



- Long mast and feed stroke
- Powerful main hoist and feed cylinder
- Lightening kit
- Ergonomic new control panel
- With all controls at one place, operator platform

C-1000 Professional Surface Exploration

The new gear-driven rotation unit requires less maintenance and makes operation easier and more productive.



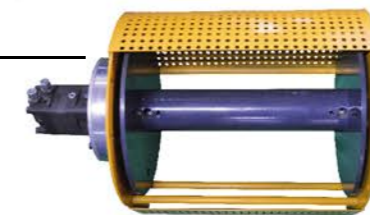
New Control Panel



Hydraulic PWL-size rod holder



Improved robustness of the crown block with steel shieves and larger wireline pullies extends the service life of both the wire and the pullies



Diesel - Crawler
Total Weight : 5.500 kg

Diesel - Skid Frame
Total Weight : 5.500 kg

Diesel - Whelled
Total Weight : 5.500 kg