



EN

CSK

C 1500

Sustainable High Performance

C

SERIES™

CHASSIS TYPE

CRAWLER

SKID FRAME

CSK SONDAJ Madencilik ve Mühendislik Ltd. Şti.

SERIES™

CSK ALTERNATİF MAKİNA SANAYİ TİCARET A.Ş.

Technical specifications

Drilling Capacity*		Hole Depth	
BRQ/ BQ		2900 mt	
NRQ/ NQ		2000 mt	
NRQ V-WALL™		2300 mt	
HRQ/ HQ		1350 mt	
HRQ V-WALL™		1500 mt	
PHD/ PQ		800 mt	
PHD V-WALL™		900 mt	
Power Unit		Metric	
Standart Unit		Cummins , Ford, Volvo or Deutz	
Power (max.) at 2200 RPM		153- 194 kW	
Torque & RPM Ratings**		Speed (no load)	Torque (stall)
1st Gear		122-199 RPM	5322-3254 Nm
2nd Gear		246-400 RPM	2648-1620 Nm
3rd Geat		439-714 RPM	1486- 908 Nm
4th Gear		769-1250 RPM	849-519 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		65 L/m	
Max Pressure (factory setting)		20 Mpa	
Auxiliary Pump		Axial piston, variable displacement, pressure compensated	
Max Flow		90 L/m	
Max Pressure (factory setting)		18 Mpa	
Hydraulic Tank Capacity		400 L	
Drill Head		Rotation Motor- Rexroth hydraulic motor- variable/reversible	
Rotations	1st	6.27:1	
	2nd	3.12:1	
	3rd	1,75:1	
	4th	1.00:1	
Final Drive		Straight cut gears	
Ratio		02:01 ratio	
Head Opener		Side shift style- hyrdraulically actuated	
Hydraulic PQ Chuck		Chuck with gas spring	
Drill Head		Hydraulically opened, nitrogen gas spring closed	
Drillhead Lubricating Oil Filtration		Axial holding capacity of 222 400 N (50,000 lbf)	
Drill Mast and Feed System		Force fed bearings, oil bath for gears	
Feed Stroke		Metric	
Feed Stroke		25 micron suction oil filter - independent costant flow	
Max Pull Capacity		3.35 m	
Max Thrust Capacity		213.7 kN	
Rod Pull		108.4 kN	
Drilling Angle		3 or 6 m	
Mast Dump (crowd)		45 Degrees off horizontal to 90 degrees vertical down	
Mast Telescope		2.34 m	
Draw Works		3.35 m	
Main Line Hoist		Metric	
Bare Drum		two speed motor	
Hoisting Speed (single part line)		177 kN	
Bare Drum		16m/s - 46m/s	
Main Hoist Cable***		18 mm	
Min. Breaking Strength		450.0 kN	
Foot Clamp Capacity		HWT	
Wire-Line Hoist****			
Level Wind		N/A	
Level Pull			
Bare Drum		12 kN	
Full Drum		2.2 kN	
Line Speed			
Bare Drum		123 m/min	
Full Drum		321 m/min	
Drum Capacity (4.8mm/316 degree swaged)		1890 m	
Min. Breaking Strength		2268 kg	
Additional Informtion		Metric	
Fuel Tank Capacity*****		400 L	
C1500 Dimensions and Weights		Metric	
Crawler Weight		11.700 kg	
Width		2300 mm	
length		6700 mm	
height		2600 mm	
Fuel Tank		400 L	
Battery		24 V	

*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 strengths of 5 Mpa. Actual drilling results may vary and willdepend on in-hole tools, subsurface and other environmental conditions, drilling techniques and equipment used. Always verify manufactures' rod depth ratings prior to use.

**(Hydraulic motor at max./min. Displacement, prime mover at 2,220 RPM). Head output speed and torque are infintely 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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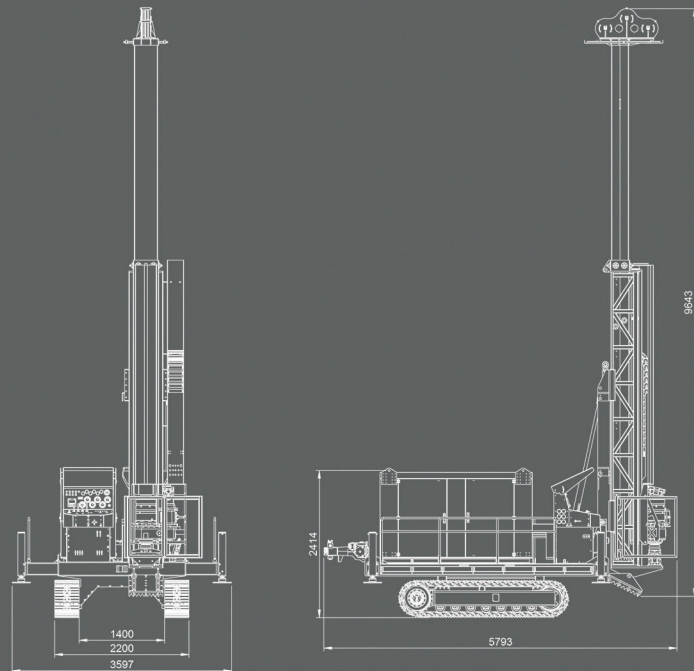
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CSK ALTERNATİF MAKİNA SANAYİ TİCARET A.Ş.

C1500 Core Drilling Rig

Surface

The modular layout of components on the drill makes it easy to replace worn components in the field, minimizing downtime, and enabling more flexible usage. Advanced safety features such as a rotation barrier, mainline winch tensioner, and an optional wireline spooler ensure safety in tough drilling conditions.



CSK-135
Mud Pump



New Control
Panel

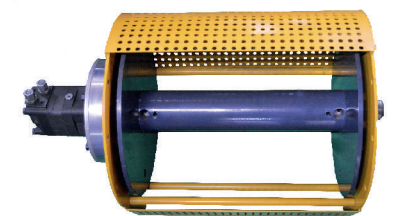


Nitrogen gas spring loaded jaws with
hydraulic opening/spring closing function
ensuring fail-safe operation.

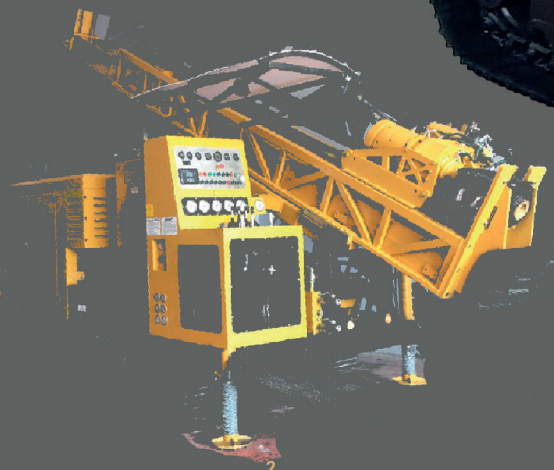


Hydraulic PWL-size
rod holder

Wire Line Winch



- Self Contained Operator
- Simple Hydraulic Design
- Nitro Chuck
- Rotation Barrier
- Hydraulic Slide Shifting Head
- Dump Mast



Diesel - Crawler
Total Weight : 12.000 kg



Diesel - Skid Frame
Total Weight : 10.500 kg