

EN

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 Gear	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- hydrdraulically actuated	
Hydraulic PQ Chuck	Chuck with gas spring	
	Hydraulically opened, nitrogen gas spring closed	
Drill Head	Axial holding capacity of 222 400 N (50,000 lbf)	
Drillhead Lubricating Oil Filtration	Force fed bearings, oil bath for gears	
Drill Mast and Feed System	25 micron suction oil filter - independent constant flow	
Feed Stroke	Metric	
Feed Stroke	3.35 m	
Max Pull Capacity	213.7 kN	
Max Thrust Capacity	108.4 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	3.35 m	
Draw Works	Metric	
Main Line Hoist	two speed motor	
Bare Drum	177 kN	
Hoisting Speed (single part line)	Metric	
Bare Drum	16m/s - 46m/s	
Main Hoist Cable***	18 mm	
Min. Breaking Strength	450.0 kN	
Foot Clamp Capacity	HWT	
Wire-Line Hoist****	Metric	
Level Wind	N/A	
Level Pull	Metric	
Bare Drum	12 kN	
Full Drum	2.2 kN	
Line Speed	Metric	
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 Information	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 will depend 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 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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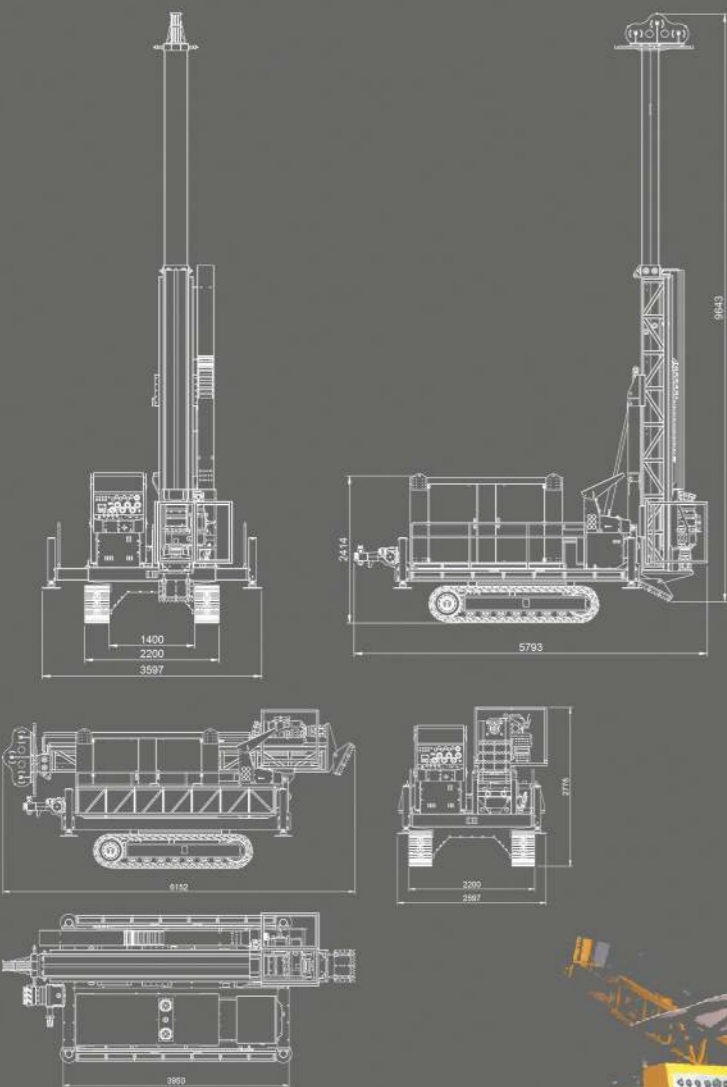
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C-1500 Core Drilling Rig

Surface

Core Drilling Rig

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

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

C-1500 Prefer Consistent Performance

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



Diesel - Crawler
Total Weight : 12.000 kg



Diesel - Skid Frame
Total Weight : 10.500 kg