

EN

C 400

Compact, tough and versatile

C
SERIES™

CHASSIS TYPE



RUBBER WHEEL



CRAWLER



SKID FRAME



WHELLED



CSK SONDAJ Madencilik ve Mühendislik Ltd. Şti.

SERIES™

CSK ALTERNATİF MAKİNA SANAYİ TİCARET A.Ş.

Technical specifications

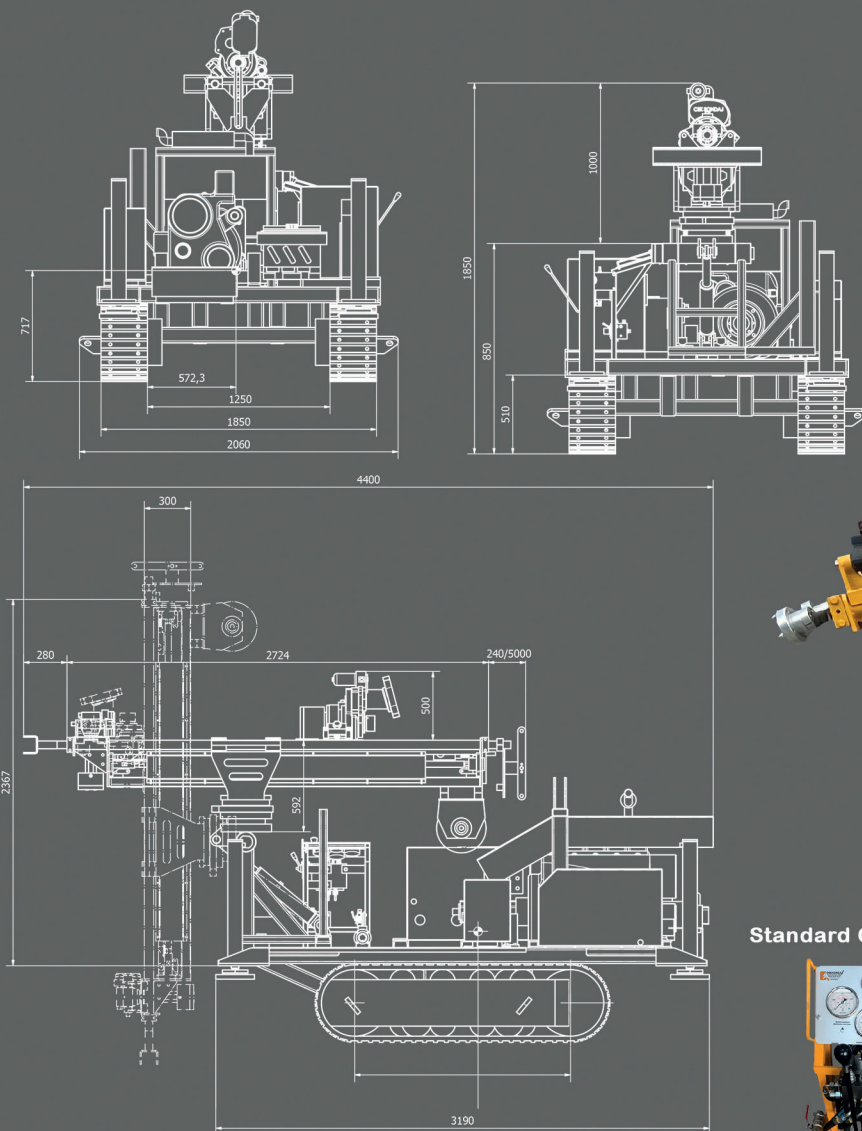
Drilling Capacity*		Metric	US
Drilling Capacity with HQWL (Casing)*		150 m (Max)	492 ft (Max)
Drilling Capacity with NQWL*		400 m (Max)	1312 ft (Max)
Drilling Capacity with BQWL*		600 m (Max)	1968 ft (Max)
Rotation Unit		Metric	US
Spindle Inner Diameter		78 mm	3.07"
Chuck Axial Holding Force		100 kN	22 000 lbf
Speed Range		0 - 900 rpm	
Maximum Torque		1 366 Nm	1 000 lbf
Rod Holder		Metric	US
Maximum Rod Size		114 mm	4.48"
Holding Force		22 kN-33 kN (TC)	4 840 lbf - 7 260
Feed Frame		Metric	US
Feed Force		65 kN	14 300 lbf
Pull Force		65 kN	14 300 lbf
Rod Running - Out		0,5 m/s	1.64 ft/s
Rod Running - in		1 m/s	3.3 ft/s
Feed Stroke	Short	850 mm	33.4"
	Standard	1 800 mm	71"
	Long	3 300 mm	130"
Feed Length	Short	2 150 mm	84.5"
	Standard	3 000 mm	118"
	Long	4 500 mm	177"
Power Unit		Metric	US
Diesel Engine		68-100 kW	92- 134.1 hp
Electric Motor		45-55 kW	60 - 73.7 hp
Main Pump			
Flow		72 l/m	19 gals per min
Pressure		260 bar	3 045-3 770 psi
Service Pump			
Flow		9 l/m	2.3 gals per min
Pressure		200 bar	2 900 psi
Auxiliary Pump			
Flow		50 l/m	13.2 gals per min
Pressure		200 bar	2 900 psi
CSK-135 Mud Pump		Metric	US
Flow (Max.)		135 l/min	35.6 gal per min
Pressure (Max.)		70 bar	1 015 psi

* CSK cannot guarantee these capacities will be reached in all working conditions due to varying factors such as used, conditions of the ground and differences in rod and bit quality.

** CSK-135 Mud Pump - Optional Equipment and Accessories

C400 Core Drilling Rig

The C400 Underground core drilling rigs are advanced, versatile, compact units designed specifically for the underground environment. The ergonomically design provides the driller with a safe and comfortable work situation. C Series drill rigs are available in either skid or track mounted versions with a choice of feed lengths and rotation units. C Series drill rigs are suitable for both coring and drilling grout holes. CSK's C Series drill rigs together with DSParts's in-the-hole products provide the most productive, dependable and economical solution for underground core drilling.



Underground & Surface



The hydraulic chuck on the rotation unit is synchronized with the rod holder



Chuck jaw



Hydraulic Rig Fixing Piston



6 Cylinder Diesel Engine

OPTIONAL



Electrical Motor



2 Cylinder Diesel Engine

CSK-135 Mud Pump



Standard Control Unit



OPTIONAL



New Control Unit

Safe and fast rod handling
Simple and reliable chuck very few moving parts.
Double feed cylinders.
For quick rod handling at all depths.
Drill in any direction.



Complete Diesel - Crawler
Total Weight : 4.900 kg



Drilling Rig Electric Motor
Walking System Diesel Engine
Total Weight : 4.900 kg



Electric Motor - Wheeled
Total Weight : 2.750 kg



Electric Motor - Skid Frame
Total Weight : 2.750 kg