

SOLID DRILLING SOLUTIONS





DRILL RIG C1500



- MOBILITY The C1500 Underground Drilling Rig is equipped with a 360-degree drilling mast. Options are available for skid or crawler travel. Also, as an addition
 - to the crawler, it is possible to equip it with a stand-alone diesel engine.
- RELIABILITY Ease of operation and maintenance maximizes plant convenience and efficiency
- SAFETY The C1500 Underground Drilling Rig is designed for long-term operations, taking into account the prevention of possible safety risks.



DRILL RIG C1500



CONTROL PANEL - FUNCTIONAL PANEL DESIGN, PROVIDES EASY OPERATION.

HYDRAULIC DESIGN - LOAD-SENSITIVE HYDRAULIC SYSTEM SUPPORTS ENERGY SAVING.

MAST - 360° DRILLING CAPABILITY
IN ANY PART OF THE MINE WORKINGS.

SYNCHRONIZATION - THE PIPE HOLDER AND ROTATOR WORK SYNCHRONOUSLY THANKS TO THE VALVE BLOCK DESIGN. THIS FEATURE ENSURES FAST AND SAFE DRILLING.





ROTATION UNIT - THE FUNCTIONAL DESIGN OF THE ROTATOR ALLOWS WORKING WITH DIAMETERS FROM B TO N

CATERPILLAR BASE - WITH OPTION TO DRIVE INDEPENDENT DIESEL ENGINE TO POWER THE TRACK YOU GET MORE FREEDOM OF MOVEMENT IN UNDERGROUND CONDITIONS.



TECHNICAL INFORMATION C1500

DRILLING RECOMMENDATIONS		
BRO/BO	2900м	
NRO/NO	2000м	
NROV-WALL™	2300м	
HRO/HO	1350м	
HR0V-WALL™	1500м	
PHD/P0	800м	
PHDV-WALL™	900м	

THE VALUES GIVEN IN THESE TABLES ARE CALCULATED BASED ON THE PULLING FORCE OF THE MAIN WINCH IN WELLS WITH FLUSHING FLUID AND A ROCK STRENGTH OF 5 MPa. THE ACTUAL DRILLING RESULTS DEPEND ON THE DOWNHOLE TOOL USED, ITS CONDITION, THE EQUIPMENT USED, THE FLUID LEVEL IN THE WELL AND THE DRILLING TECHNIQUES.

DISEL ENGINE	CUMMINS, FORD, VOLVO, DEUTZ
POWER (AT 1800RPM)	153-194kW (203 hp.)

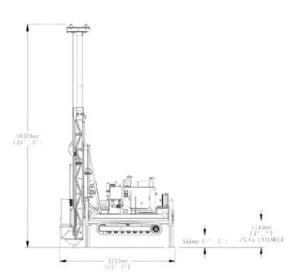
RATED TORQUE AND SPEED		
1ST GEAR	122-199 RPM	5322-3254 Nm
2ND GEAR	245-410 RPM	2648-1620 Nm
3RD GEAR	439-714 RPM	1486-908 Nm
4TH GEAR	769-1250 RPM	849-519 Nm

ACCORDING TO THE INFORMATION GIVEN, THE SPEED AND TORQUE AT THE OUTPUT OF THE HEAD IS ADJUSTED STEPLESSLY IN EACH GEAR RANGE. THE ACTUAL SPEED IS DETERMINED BY THE ENGINE SPEED AND THE VOLUME SETTING OF THE HYDRAULIC MOTOR.

ГИДРАВЛИЧЕСКАЯ СИСТЕМА

MAIN PUMP	VARIABLE DISPLACEMENT AXIAL PISTON PUN LOAD SENSING, PRESSURE COMPENSATION AI PRESSUR	ND LOW
MAX. FUEL CONSUMPTION	190	Ol/m
MAX. PRESSURE (FACTOR)	Y SETTING) 281	MPa
SERVICE PUMP	VARIABLE DISPLACEMENT AXIAL PISTON PUN LOAD SENSING, PRESSURE COMPENSATION AI PRESSUR	ND LOW
MAX. CONSUMPTION	65	ōl/m
MAX. PRESSURE	201	MPa
AUXILIARY PUMP	VARIABLE DISPLACEMENT AXIAL PISTON PUN LOAD SENSING, PRESSURE COMPENSATION AI PRESSUR	ND LOW
MAX. CONSUMPTION	90	Ol/m
MAX. PRESSURE	181	MPa
TANK CAPACITY	4	∔00l
DRILLING MAST AND FEED SYSTEM		
FEED WAY	3,	,35m
FEED FORCE (MAX.)	213	 3.7Kn
FEED POINT (MAX.)	108,	4Kn
DRILL ROD LENGHT	3m or	6m
DRILLING ANGLE 45° FROM HOR	IZONTAL TO 90º VERTICAL DOWNWAR	 RD
LOWERING THE MAST (QUI	CK FEED) 2,	,34м
TELESCOPIC MAST	RELA	TED







TECHNICAL INFORMATION C1500

ROTAYION UNIT MODULE ROD HOLDER

ROTATION ENGINE	REXROTH	
TRANSMISSION NUMBERS		
1ST GEAR	6.27:1	
2ND GEAR	3.12:1	
3RD GEAR	1.75:1	
4TH GEAR	1.00:1	
FINAL GEAR	ROLLER CHAIN DRIVE	
NUMBER OF GEARS	02:01	
HEAD OPENING	LATERAL DISPLACEMENT METHOD - HYDRAULIC DRIVE	
HYDRAULIC CLAMPING CHUCK PQ	HYDRAULIC SPRING- OPERATED OPENING. AXIAL LOAD CAPACITY 18,143kr	
NUMBER OF GEARS	1-2,5	
DRILL HEAD	HYDRAV. OPENING BY SPRINGS 224,000N AXIAL LOAD CAPACITY	
OIL FILTRATION FOR DRILL HEAD LUBRICATION	SUCTION OIL FILTER FILTERS OUT PARTICLES AS SMALL AS 25micror	
MAIN WINCH		
FREIGHT WINCH	SINGLE-SPEED ENGINE.	
HOOK LOAD (ONE-PIECE ROPE)		

NOTE: DO NOT USE MULTI-COMPONENT ROPES ON THE MAIN WINCH, USE SINGLE-COMPONENT ROPES ONLY

35m/sec

226.0 kN

15mm or 18mm

EMPTY DRUM

MAIN WINCH ROPE

MIN. BREAKING POWER

ROTAYION UNIT MODULE ROD HOLDER

TYPE	HYDRAV. OPENING, CLOSING WITH GAS SPRINGS
MAX. INNER DIAMETER	210мм (8,3in)
LOAD CAPACITY	13,000kg (28,660lb)
ROPE PULLING FORCE	EMPTY DRUM 12 kN
ROPE PULLING FORCE	FULL DRUM 2.2 kN
ROPE SPEED	EMPTY DRUM 123m/cek
ROPE SPEED	FULL DRUM 321m/cek
DRUM 4.8mm (3/16") STAMPED	1890м

NOTE: THE ROPE LENGTH IS SPECIFIED WHEN ORDERING

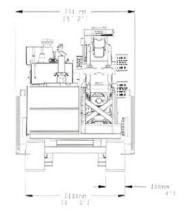
ADDITIONAL WHEELED FRAME, REMOTE **EQUIPMENT AND** CONTROL PANEL, HYDRAULIC **AUXILIARY EQUIPMENT** DRILLING MUD MIXER,

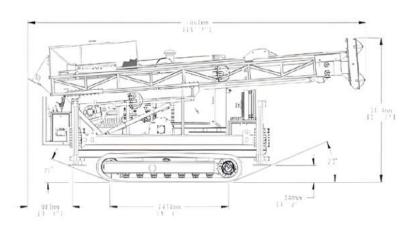
DIMENSIONS AND WEIGHT

SKID FRAME,

GENERATOR,

CRAWLER WEIGHT	12 000kg
OVERALL WIDTH	2350мм
OVERALL LENGTH	6950мм
GENERAL EIGHT	2550мм
TANK CAPACITY	400l
BATTERY	24V
MAX. SPEED	2.4km/h















OUR BRANCHES

BRANCH IN KAZAKHSTAN
SOLID DRILLING SOLUTIONS - QAZAQSTAN",
050059, AL-FARABI AVE. 7 NURLY TAU BUSINESS
CENTER 5A, OFFICE. 171
PHONE: +7 727 225 00 04
EMAIL: INFO@SOLIDDRILLING.KZ

HEAD OFFICE IN TURKEY
SDS MÜŞAVIRLIK MÜHENDISLIK İMALAT İTH.
İHR. SAN. VE TIC. LTD. ŞTI.
GOLDEN TOWER, MEHMET AKIF ERSOY MAH.
287. SOK. NO:7 /50 KAT:9 06200
YENIMAHALLE ANKARA / TURKEY
PHONE: +90 312 354 83 27
FAX: +90 312 354 83 27
E-MAIL: INFO@SOLIDDRILLING.COM

BRANCH OFFICE IN RUSSIA
SOLID DRILLING SOLUTIONS - RUSSIA", 109428,
RUSSIA, MOSCOW, UL.
RYAZANSKY PROSPEKT 8A,
BLDG. 1, OFFICE 422.
PHONE: +7 925 800 08 52
EMAIL: INFO@SOLIDDRILLING.RU