



STM 1500

UNDERGROUND DRILL

THE STM LINE OF UNDERGROUND DRILL RIGS ARE ALL MANUFACTURED AND TESTED IN VAL D'OR, CANADA AND USED BY THE BEST DRILLING COMPANIES WORLDWIDE. OFFERING UNPRECEDENTED PERFORMANCE AND RELIABILITY, THE STM 1500 AND STM 600 DRILL RIGS ARE THE PERFECT CHOICE FOR YOUR NEXT UNDERGROUND DRILLING PROJECT. WITH ITS SIMPLE MECHANICS, ROBUST HEAD ASSEMBLY AND SAFETY DEVICES, THE STM 1500 HAS BECOME THE REFERENCE IN CANADA.



USINAGE MARCOTTE

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POWER UNIT

ENGINE (STANDARD)	125 TO 200 HP ELECTRICAL
AVAILABLE IN 380, 440 AND 600 VOLTS	

DRILL MAST

FEED CYLINDER STROKE	1,83 M (6 FT)
MAST DRILLING ANGLE	-90° TO 90° OF HORIZONTAL
HYD. DRILLING MAST FEED	STROKE OF 1.47 M (58IN)
CYLINDER FEED STRENGTH PUSH (PULL)	141.6KN@4500 PSI (31837LBS@4500PSI)
CYLINDER FEED SPEED UP AND DOWN	1M/S (3.3'/S)
MAST ANGLE CYLINDER	LOCK SAFETY SYSTEM
PULLING ROD MAX LENGTH	3 M (10 FT)
ROD CLAMPS BOYLES HWL	OPTIONAL PWL

DRILL HEAD

CHUCK	BOYLES HWL (PWL OPTIONAL)
TRANSMISSION	FUNK HMD2355 4 SPEED
HYDRAULIC MOTOR	REXROTH 160 VARIABLE
COOLING SYSTEM	PUMP CIRCULATION
FILTRATION SYSTEM	40 MICRONS
RPM	TORQUE
1 ST GEAR 100-200 RPM	6432 NM (4743LBF)
2 ND GEAR 210-420 RPM	3075 NM (2268 LBF)
3 ND GEAR 430-760 RPM	1669 NM (1230 LBF)
4 TH GEAR 800-1300 RPM	970 NM (715 LBF)
	MAX 9322NM (6875LBF)

WIRE LINE

DRUM CAPACITY	3048 M (10000 FT)
LINE PULL BARE DRUM	21KN (48 00 LBF)
LINE SPEED	0-150M/MIN (492 FT /MIN)
LINE SPEED FULL DRUM	0-300M / MIN (984 FT/MIN)
WIRE CORDING SPOOL	LEAD SCREW

HYDRAULIC COMPONANT

TANK CAPACITY	240 L (90 GAL)
PUMP 1, 2 ET 3	REXROTH 60 GPM @ 4500 PSI REXROTH 20 GPM @ 2500 PSI
FULL FLOW FILTRATION	10 MICRONS

WATER PUMP

PUMP	FMC (BEAM 435 L11) 133L/MIN (35GPM)
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ACCESSOIRES

INCLUDED	ON DEMAND
SYNCHRONIZATION	AIR/OIL COOLING SYSTEM
START-UP SAFETY LOCK ON BAD ROTATION	360° SWIVEL BASE WITH SHORT FEED FRAME 1 M (3'3")
SCREW-UNSCREW	GUARDS
TORQUE CONTROL	HD WATER PUMP FOR DEEP WATERS
SPEED CONTROL	TRANSPORT WHEEL SYSTEM
SYSTEME SOFT SHIFT	MUD MIXER
HIGH PRESSURE AND VOLUME WATER PUMP	CUSTOM ENGINEERING FOR RESTRAINT
FAST FEED PRESSURE CONTROL	BIODEGRADABLE OIL
PROGRESSIVE START-UP SYSTEM	BAZOOKA CYLINDER SYSTEM 66.7KN (15000 LBS)
WATER/OIL COOLING SYSTEM	

FOR MORE INFORMATION ABOUT CUSTOM MADE PARTS OR
 ACCESSORIES PLEASE CONTACT US

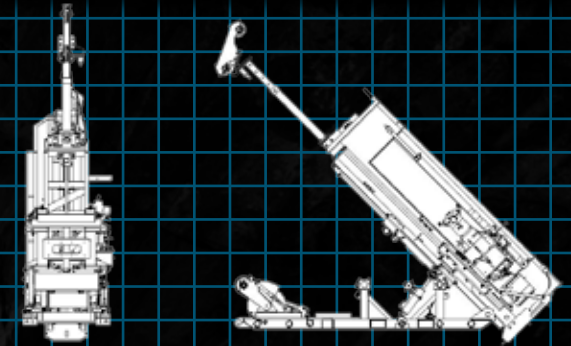
DEPTH CAPACITY

DOWN		
MAX BWL	MAX NWL	MAX HWL
2 000 M 6 561 FT	1 500 M 4 921 FT	900 M 2 952 FT
MAX BWL	MAX NWL	MAX HWL
HORIZONTAL		
1 500 M 4 921 FT	1 100 M 3608 FT	680 M 2 230 FT
UP		
625 M 2 050 FT	410 M 1345 FT	235 M 770 FT

* DEPTH CAN BE UPGRADED WITH STRONGER MOTOR AND
 BAZOOKA SYSTEM

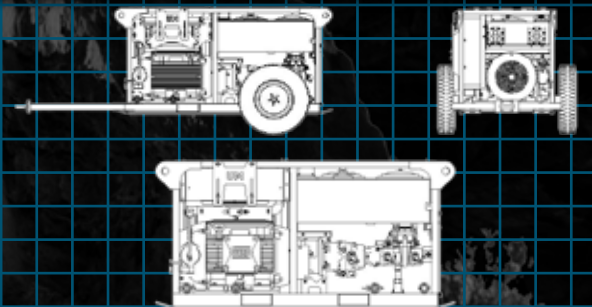
RIG DIMENSION

H: 5060 mm / 199 IN	L: 5081 mm / 200 IN
l: 1066 mm / 42 IN	



ENGINE & CONSOLE DIMENSION

H: 1314 MM / 522 IN	L: 711 MM / 28 IN
l: 962 MM / 38 IN	
H: 1511 MM / 60 IN	L: 2594 MM / 102 IN
l: 1054 MM / 42 IN	



RIG WEIGHT

2 358 KG (5 200 LBS) (APPROXIMATE WEIGHT)	
CONTROL UNIT	318 KG / 700 LBS (APPROX)
POWER UNIT	2 313 KG / 5 100 LBS (APPROX)