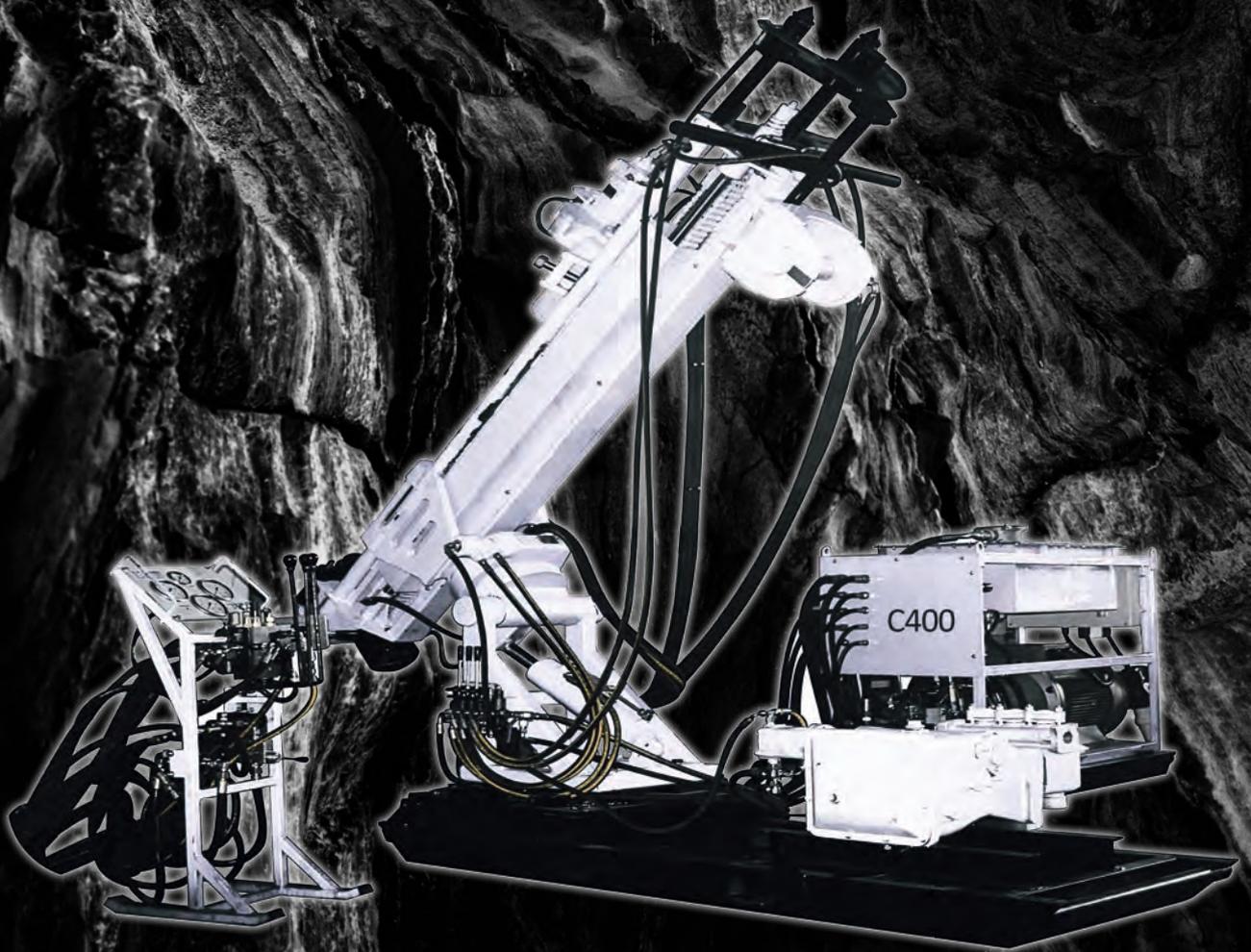


UNDERGROUND DRILL RIG C400

SDS

SOLID DRILLING SOLUTIONS



TECHNICAL OVERVIEW



C400 UNDERGROUND DRILLING RIG



- **MOBILITY** - The C400 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 C400 Underground Drilling Rig is designed for long-term operations, taking into account the prevention of possible safety risks.



C400 UNDERGROUND DRILLING RIG



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.



DRILLING RECOMMENDATIONS

DRILLING DEPTH HOWL (MAX.)	150M
DRILLING DEPTH NOWL (MAX.)	400M
DRILLING DEPTH BOWL (MAX.)	600M

CSK CANNOT GUARANTEE THAT THE INDICATED DEPTHS WILL BE REACHED IN ALL DRILLING CONDITIONS DUE TO VARIOUS FACTORS, SUCH AS THE SUBMERSIBLE DRILLING TECHNOLOGY USED, GROUND CONDITIONS, AND OPERATING CONDITIONS.



MAIN PUMPS	DANFOSS OR ANALOG.
SERVICE PUMP	DANFOSS, SALAMI, GALTECH
ROTATION UNIT MOTOR	REXROTH OR ANALOG.
ROTATION SPEED	50-1000 RPM
MAX. TORQUE	1366kN
MAX. TORQUE (DISEL)	1968kN
MIN. FEED RATE	0,5 m/sec
MAX. FEED RATE	1 m/sec
FEEDING FORCE	64kN
LIFT FORCE	64kN
MAX. TUBE DIAMETER	114MM
HOLDING FORCE	23kN
OIL TANK	235L
THE COOLER	WATER COOLING
FUEL TANK (OPTIONAL)	100L

DIMENSIONS AND WEIGHT IN TRANSPORT POSITION

45 kV STANDARD MACHINE 1000x2400x2200mm 2450kg

84kW MACHINE WITH DIESEL MOTOR STANDARD MAST 2000x3200x2400mm 4500kg

84kW MACHINE WITH DIESEL MOTOR LONG MAST 2100x4500x2550mm 5500kg

55kV LONG MAST 1000x2000x2200mm 2600kg

DOP. ACCESSORIES AND AUXILIARY EQUIPMENT

MUD PUMP - THREE-PHASE

POWER	HYDRAULIC	DISEL OR ELECTRIC
TRANSMISSION	HYDROMOTOR	MUFF
FLOW RATE	80 l/min	135 l/min
MAX. PRESSURE	50 bar	69.9 bar

SYSTEM OIL COOLER AIR

TILT OF THE MAST HYDROCYLINDER

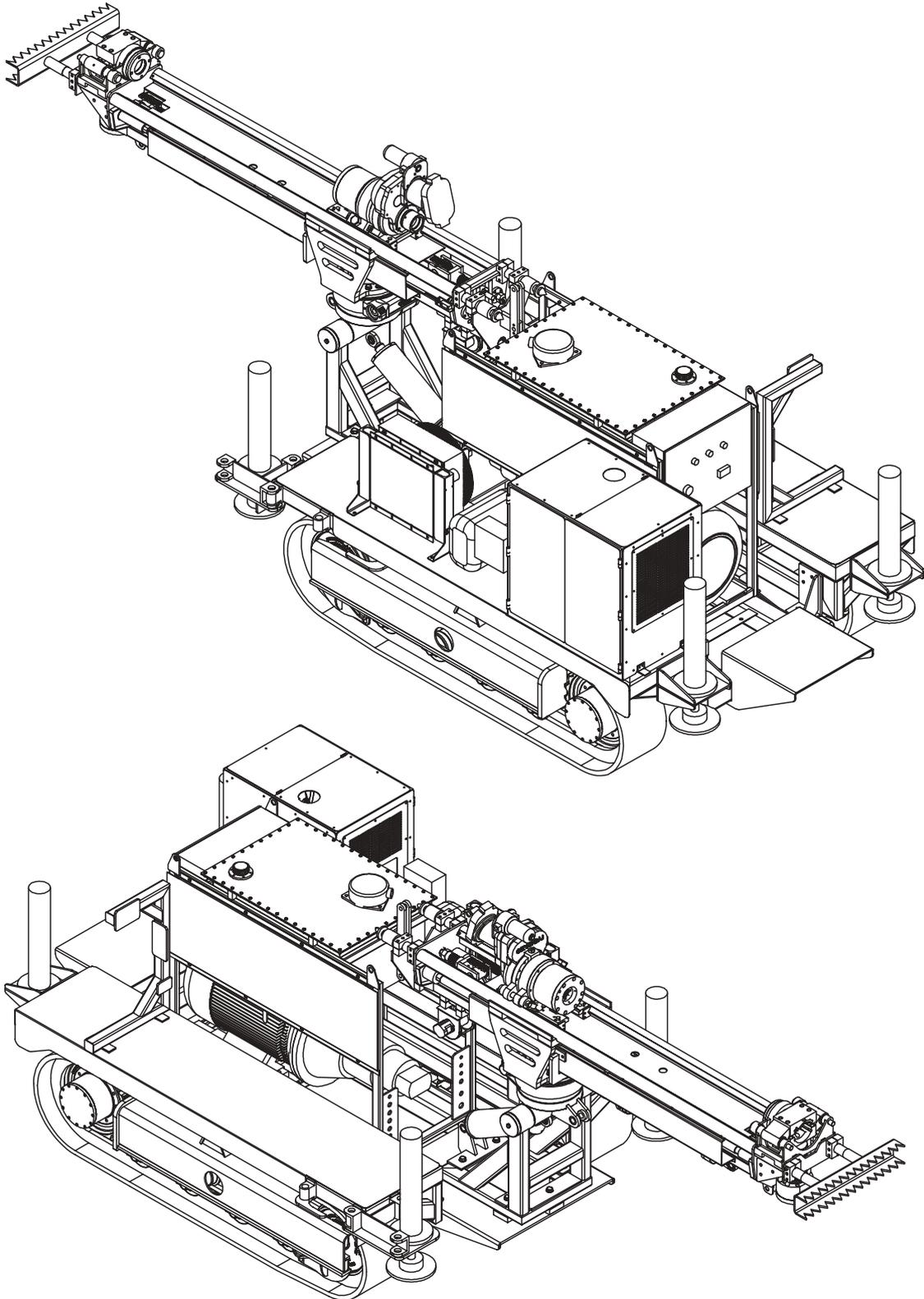
CRAWLER FRAME 300x200cm MADE IN EUROPE

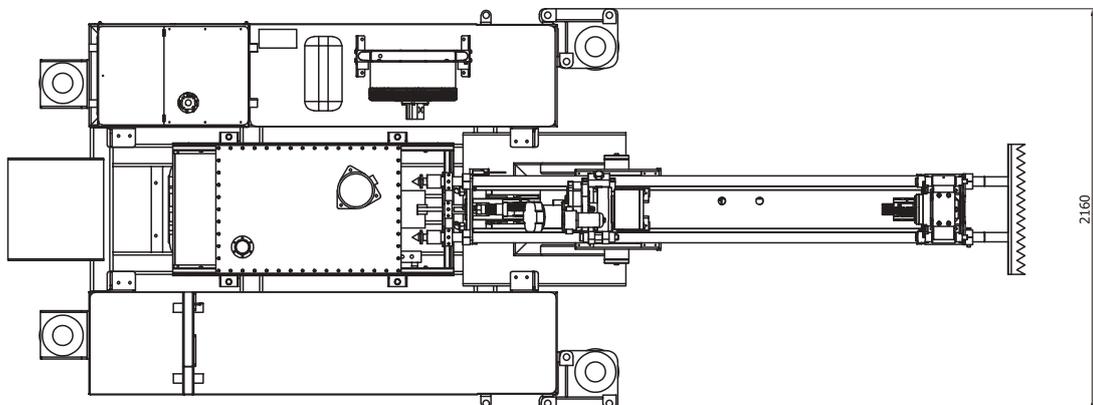
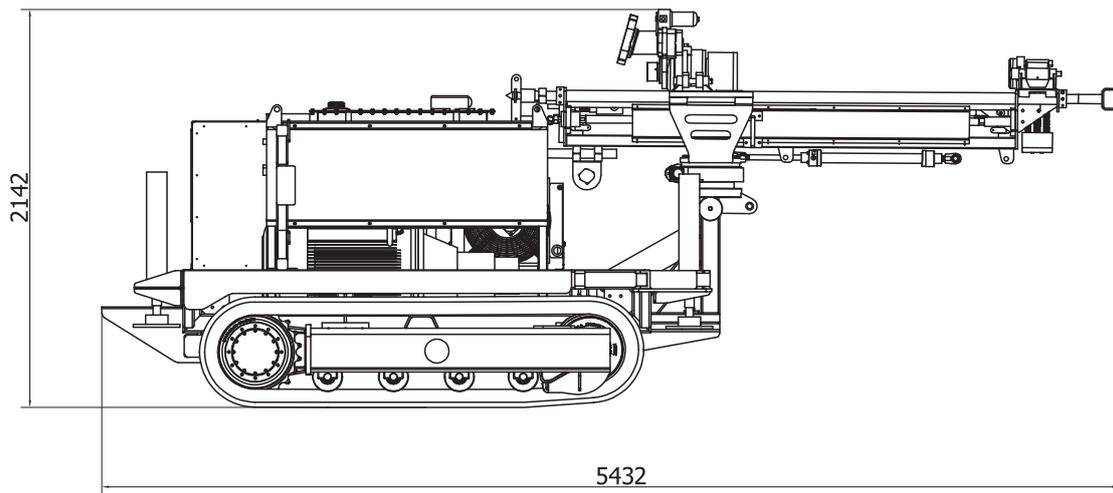
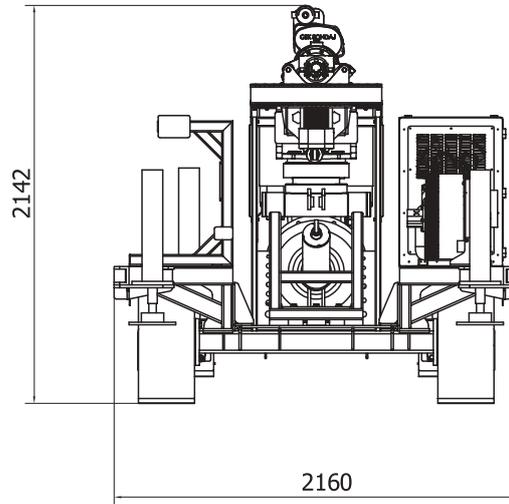
DIESEL DRIVE 22 kW 2 CYLINDERS

CONTROL REMOTE CONTROL

DRILLING EQUIPMENT CORE TUBE FLUSHING
GLAND DRILL BIT









SDS

SOLID DRILLING SOLUTIONS

OUR BRANCHES

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