

SLADE DRILL - SR15/20

Multipurpose Exploration Drill

DRILL MAST

- High tensile steel – capacity 20tonnes
- Dump mast 1.5m stroke
- 9m rod-pull capacity
- Angle drilling to 45deg

TABLE OPTIONS

- Mast table – opening – 350mm dia
- Rod clamp and slips – (Sandvik) Hydraulic
- Rotary table – 255mm internal diameter
- Safe-T-Spin – Sandvik DA512

FEED SYSTEMS

• Fast Traverse

Traverse stroke – 6.6m
Hold back – 18tonnes
Hydraulic over 4 x 20mm dia wire ropes
Maximum speed up/down 40m/min

• SLOW FEEDS

- A) Free fall, needle valve controls float
- B) Power feed up/down
Rod balance adjustable

CONTROL PANEL

- Hydraulic up/down
side-swings – 50 deg

ROTATION HEAD

- Motor- Hydraulic v/v 160cc
- Gear box 4 speed 0 – 1400RPM
- Torque 918Nm – 10,550Nm
- Lube oil – sprayed/cooled
- Floating spindle with cushions
- Racks sideways to the left

MAIN WINCH

- Mast mounted
- Max SLP 18500kg / single fall
- Max speed 70/min
- Fail safe Break (spring applied)
- Load sensed hydraulic motor/max speed
- Overwind protected

WIRE LINE HOIST

- 1800m capacity using 6mm rope
- Speed max 450m/min
- Line pull - 3000kg
- Adjustable speed/ torque control
- Digital meter read out on panel

DIESEL ENGINE

- Cummins 6CTA 8.3C
- 188kW (260Hp) @ 2200 RPM
- Acoustic cover

HYDRAULICS

- Bosh Rexroth pumps and motors
- Closed loop circuit for rotation head
- Other circuits are open loop
- Auxillary circuits - Mud mixing, BOP

WATER PUMP

- FMC-W1122/W1622
- Hydraulic V/V control
- RPM - Digital display on panel

ROD SPIN GUARD - when open (not shown)

- limits rotation speed – 100rpm

ROD RACK

- Adjustable on side of rig

RATED DEPTHS

- Wire line - N 2000m (6560ft)
- H 1300m (4260ft)
- P 950m (3116ft)
- Drill pipe 4" 680m (2230ft)

