

MUKI 22

Long Hole rig for very small sections



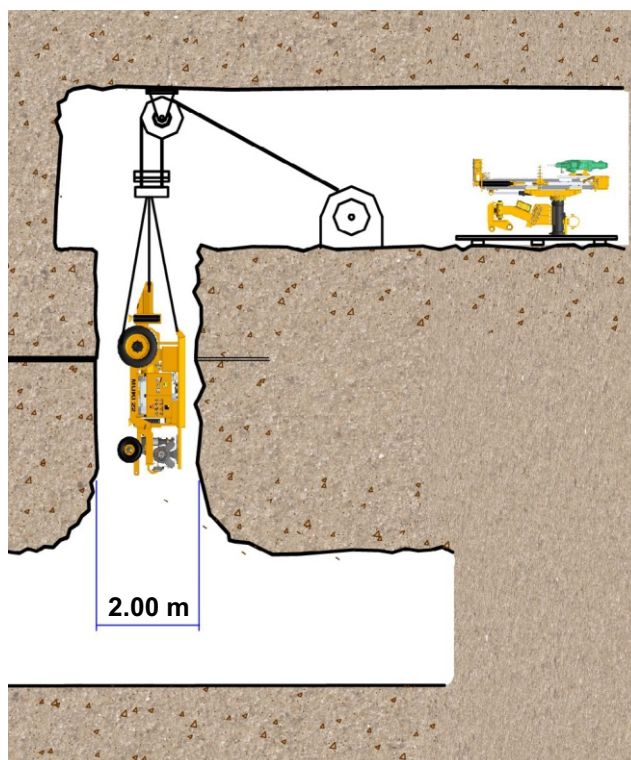
Production Long Hole rig just for very small sections; specially designed to be disassembled and entered to drilling work sections through shafts avoiding the construction of access ramps.

Equipped with Montabert drifter HC 50 (14 kW) and pendulum arm for transversal coverage of the Feed.

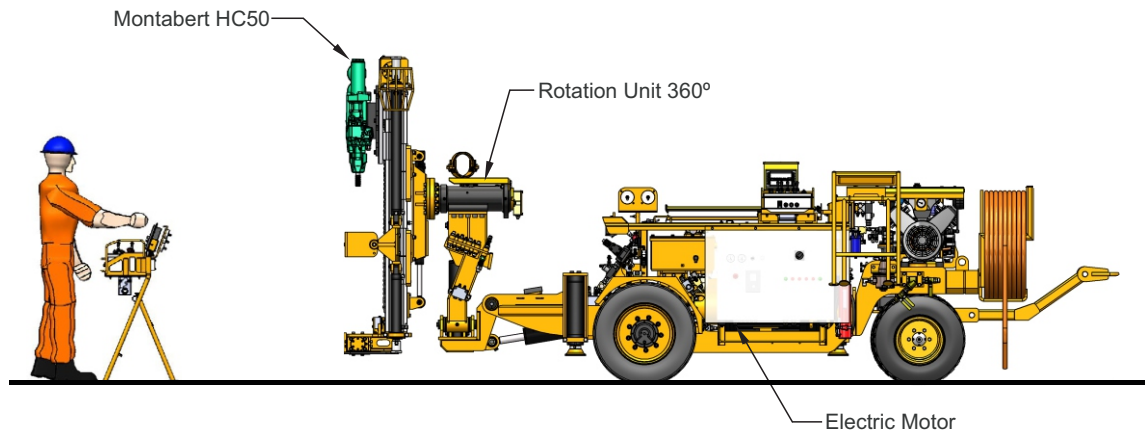
The drilling Feed offers two options: for 3 ft drill rods (2.16 m overall length) and for 4 ft rods (2.47 m overall length); shank adapter R32 and T38 options.

Diameters from 51 up to 64 mm, reamer 102 mm, maximum drilling length 15 m.

Transversal coverage is 1.40 m with parallel holding.



SPECIFICATIONS



DRIFTER

• Model	Montabert HC 50
• Percussion power	12 kW
• Percussion pressure	130 bar
• Frequency	62 Hz
• Rotation Speed	0 - 195 rpm
• Rotation torque	415 Nm
• Hole diameter	33 - 64 mm
• Shank Adapter	R32, T38 - male
• Weight	102 kg

FEED

• Model	RE 2500 series
• Drifter advance	Hydraulic motor and chain
• Feed extension	600 mm
• Hydraulic clamp	BULL 121
• Stinger cylinder	2 units to stabilize when drilling
• Digital inclinometer	AMLH SYSTEM - Angle Measurement Long Hole & Software
• Feed 2500 of 3'	3 ft rods
- Option:	
Feed 2500 of 4'	4 ft rods

PENDULUM ARM

• Lift angle	+75° / -6°
• Pendulum angle	±38°
• Rotation	360°
• Hydraulic cylinders	Parker

CARRIER

• Model	C11
• Traction	Hydraulic motor controller
• Tyres	7.50 x R15 front 7.00 x R12 rear
• Hydraulic steering	
• Hydraulic jacks	2 front, 1 rear
• Tramming speed:	
- Horizontal	Max. 3 km/h
• Tramming lights	
• Drilling lubrication system	
• Fire extinguisher	1x2 kg, Type ABC

WATER AND AIR SYSTEM

• Compressor	LE3-10UV
• Maximum capacity	5.1 l/s (10.8 CFM)
• Working pressure	3 bar
• Water pump and hydraulic motor	Grundfoss, CR5 - 9
• Maximum flow	6.9 m³/h (115 l/m)@3500rpm
• Minimum water inlet pressure	2 bar
• Bowman cooler	FG-120, 48.6 GPM, 20 bar

HYDRAULIC CONTROL SYSTEM

• Direct control valve	Cetop 5
• Percussion pump (compensated pressure)	Rexroth A10V071
• Triple pump	Parker, PGP620-511
• Working pressure	180 bar
• Hydraulic oil tank	34 gal / 130 l
• Hydraulic return filter	Parker, 10μ
• Hydraulic pressure filter	Parker, 10μ
• Hydraulic filter saturation indicator	Parker
• Low oil level indicator	Hydac
• Oil temperature indicator	Hydac

ELECTRIC SYSTEM

• Electric motor	ABB - 55kW (75 HP)
• Voltage	380 - 1000 VAC
• Frequency	50 - 60 Hz
• Starting method	Star - Triangle
• Option to 1000 VAC	Direct start
• Overload protection and ground fault	Schneider, Module VIGI
• Percussion horometer	VDO 24V
• Phase sequence indicator	Siemens
• Battery charger	32 VAC, 300W 13A
• Electric transformer	1.5 kVA
• Working lights	2X, LED 6900 lm, 24V
• Electric cable reel	60 m
• Electric cable	3x2 - AWG (35 mm)
• Degree of protection	IP 55

DIMENSIONS

Length - High - Width
5.56 m x 1.40 m x 1.15 m

Total weight: 4 130 kg

