

MUKI 22

Long Hole rig for very small sections

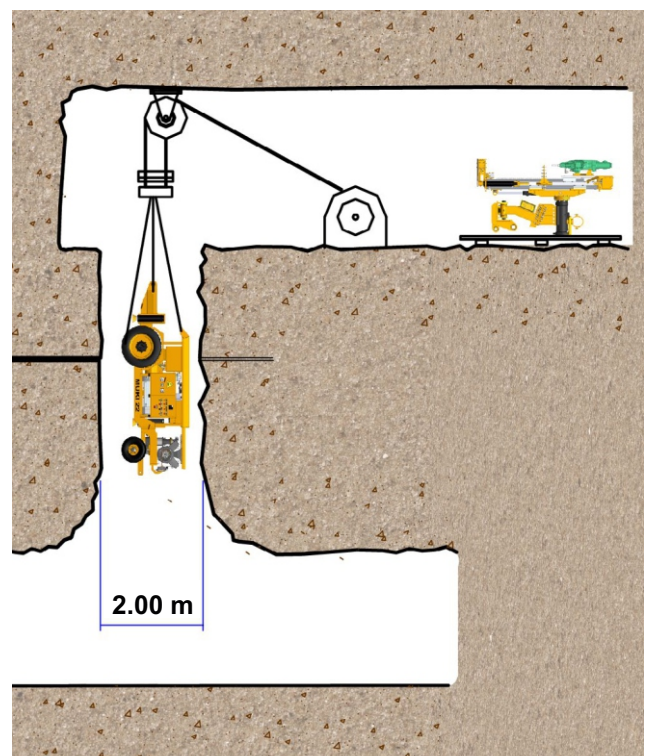


MUKI 22 is an electrohydraulic rig for long hole drilling, just for very small sections; specially designed to be disassembled and entered to drilling work sections through shafts avoiding the construction of access ramps.

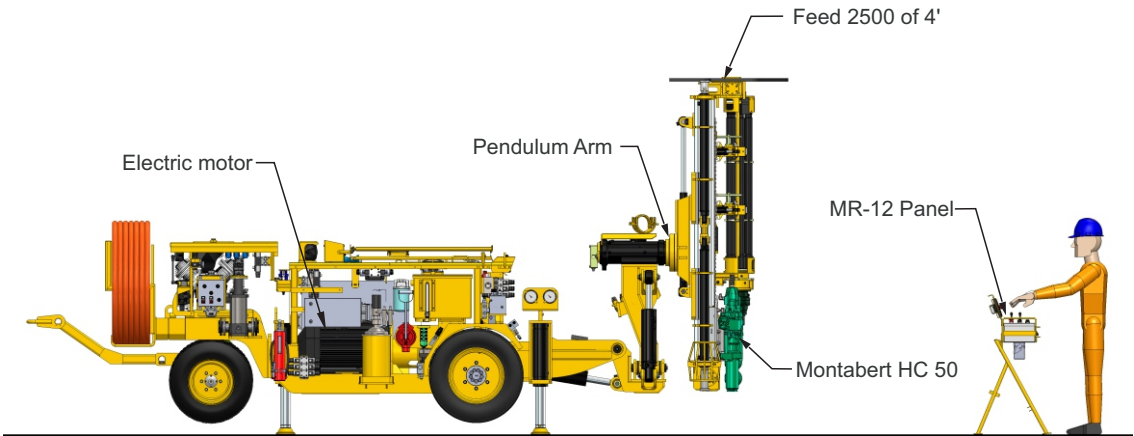
Its pendulum arm for transverse movement of the feed.

The Feed 2500 series, with 2 Stinger provides the best stability to reduce the deviation.

Equipped with Montabert HC 50 drifter with 14 kW and Back Hammering - rods extractor, the most modern on the market. Includes magazine and hydraulic clamp.



SPECIFICATIONS



DRIFTER

- Model
 - Percussion power
 - Percussion pressure
 - Frequency
 - Rotation Speed
 - Rotation torque
 - Hole diameter
 - Air consumption (flushing)
 - Air consumption (lubrication)
 - Oil consumption (lubrication)
 - Water consumption
 - Shank adapter
 - Weight
- Montabert HC 50

14 kW

110 - 130 bar

56 Hz

0 - 193 rpm

385 Nm

45 - 76 mm

7m³/min @250cfm (8-10 bar)

5 l/s (a 3 bar)

0.8 cc/min

30-60 l/min (12-20 bar)

T38 - macho

104 kg

CARRIER

- Model
 - Traction
 - Tyres
- C11

Hydraulic motor controller

7.50 x R15 front

7.00 x R12 rear
- Steering hydraulic
 - Hydraulic jacks
 - Tramming speed:
 - Horizontal
 - Tramming lights
 - Drilling lubrication system
 - Fire extinguisher
- 2 front / 1 rear

Max. 3 km/h

2X, LED 28W, 9-32 V

SKF

1x5 lb, (PQS)

FEED

- Model
 - Drifter advance
 - Feed extension
 - Hydraulic clamp
 - Stinger cylinder
 - Digital inclinometer
- RE 2500 series

Hydraulic motor and chain

600 mm

Bull 122

2 units to stabilize while drilling

AMLH SYSTEM - Angle Measurement Long Hole & Software

T38 / 8 + 1 rods
- Magazine

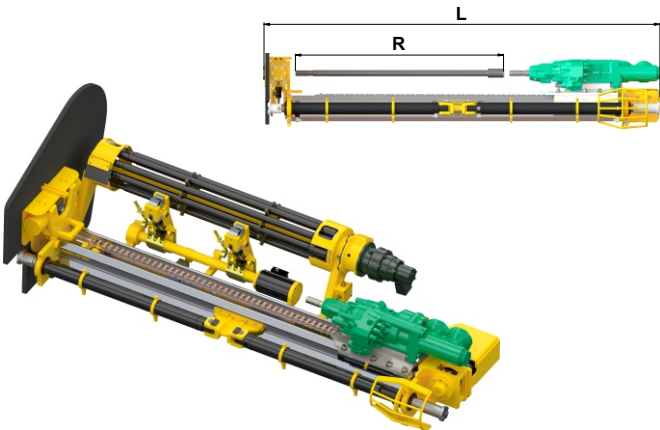
PENDULUM ARM

- Lift angle
 - Pendulum angle
 - Rotation
 - Hydraulic cylinders
- +71° / -20°

±40°

360°

Feed Type	Overall Length (mm) (L)	Rod Length (mm) (R)
Feed 8000 of 4' - HC50	2,495	1,219
Feed 8000 of 4' - HC95	2,706	1,219



HYDRAULIC CONTROL SYSTEM

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

WATER AND AIR SYSTEM

• Compressor	LE3 -10 UV
• Maximum capacity	5.1 l/s (10.8 CFM)@1800rpm
• 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

ELECTRIC SYSTEM

• Electric motor	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	
• Percussion horometer	24V
• Phase sequence indicator	
• Battery charger	IN 32 VAC, 300W 13A OUT 28 VDC
• Electric transformer	1.5 kVA
• Working lights	2x, LED 30W, 9-32 V
• Electric cable	3x2 - AWG (60 m)
• Degree of protection	IP 55

OPTION

• Drifter HC95	24 kW
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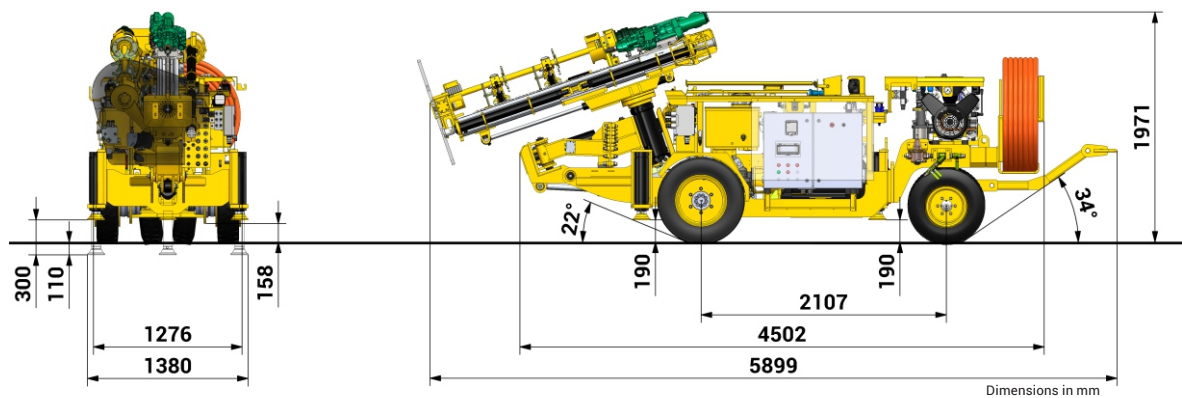
AMLH SYSTEM (Angle Measurement Long Hole)

The AMLH system (Angle Measurement Long Hole) is an electronic aid system for long hole equipment. Its main systems are the following:

- Measurement of rotation angles, inclination and feed parallelism.
- Rods quantity display.
- Electronic carousel control.

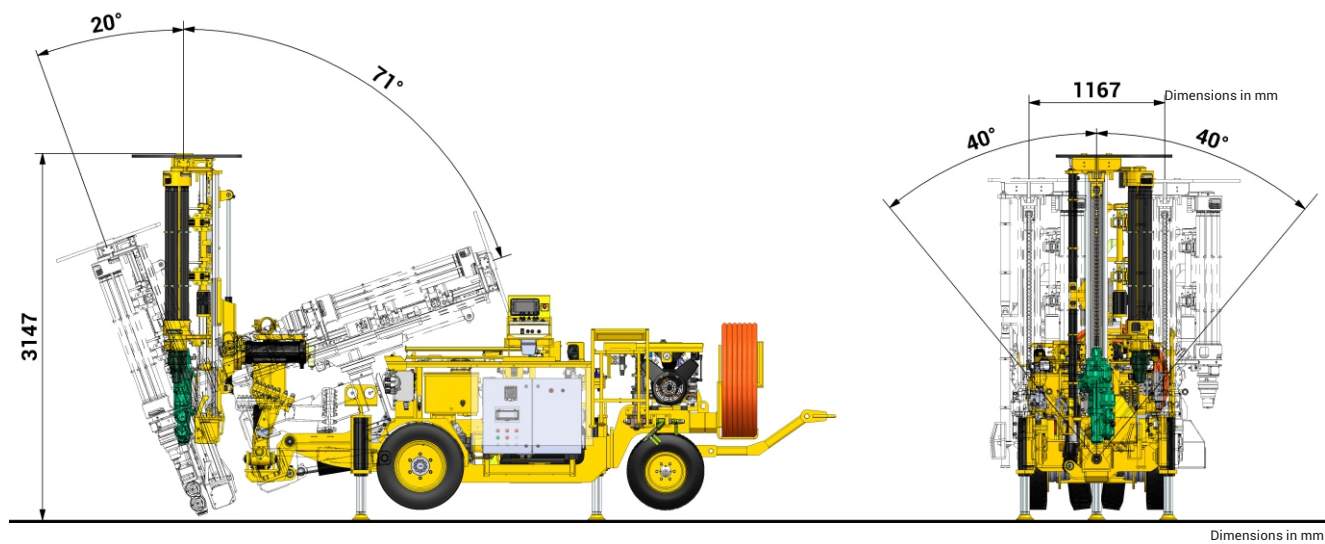


DIMENSIONS



Total Weight
5,140 kg

COVERAGE



TURNING RADIUS

