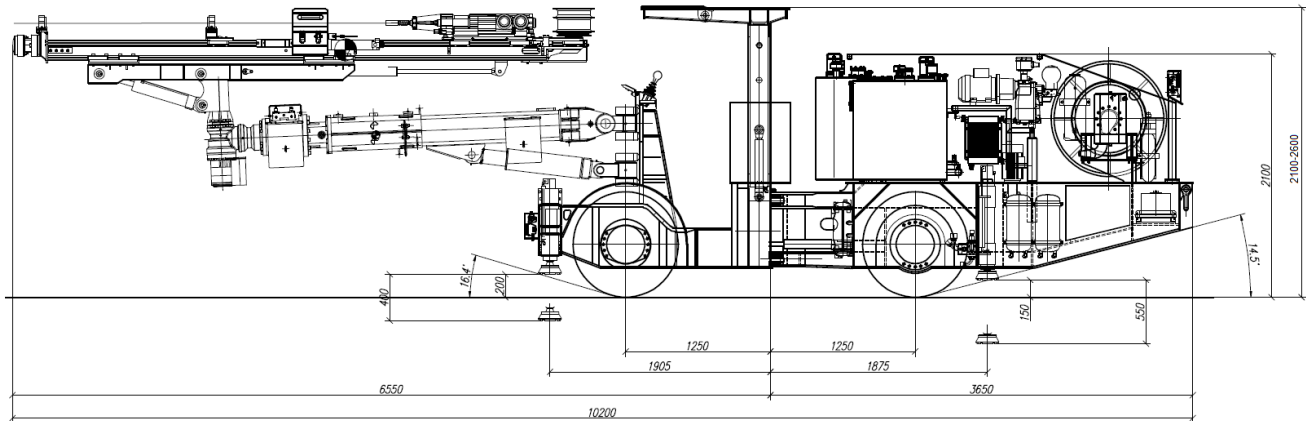


FACE MASTER 2.1

Narrow Vein single boom Drill Rig



DESCRIPTION

- Diesel powered articulated chassis with permanent 4-wheel drive.
- Hydrostatic brakes with additional fail-safe emergency-parking brake.
- Latest concept heavy duty alloy profile feeder with stainless steel guide surfaces. Designed to improve performance, and reduce operation costs.
- Minimum tramping height 2100mm.
- Full hydraulic proportional boom control by joystick. Shock protection is provided.
- Hydraulically adjustable operator's protection canopy conforming to FOPS and ROPS regulations.
- Head Rotation Boom, equipped with two-axial hydraulic actuator. The boom can be used for cross-cutting as well as vertical drilling.
- Reliable hydraulic controls – ensuring low operating costs and high performance.



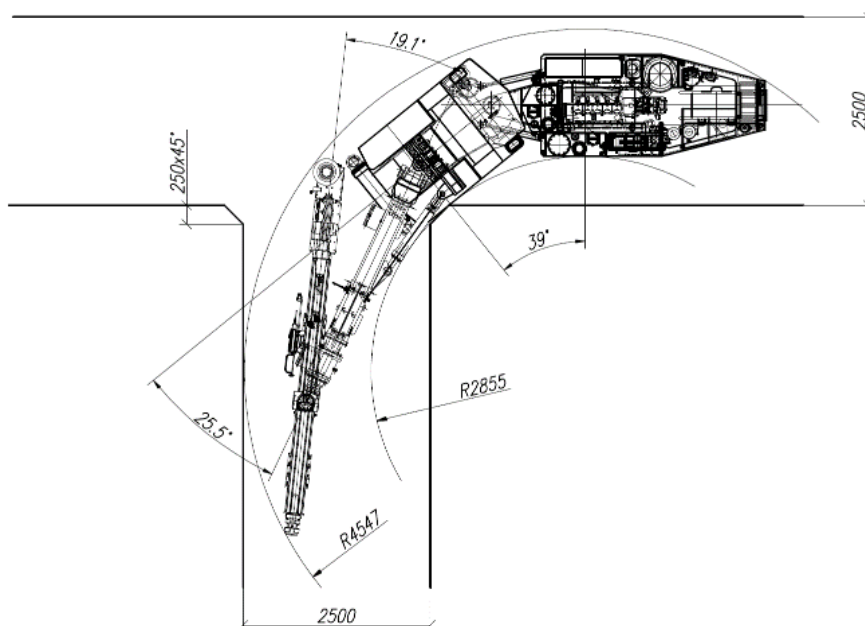
MAIN COMPONENTS

Rockdrill	Montabert HC 109
Boom	B 25
Diesel engine	DEUTZ D914 L5 – 72,5kW @ 2300 rpm
Feeder	F – 7000 series
Tires	10.00 x 15"

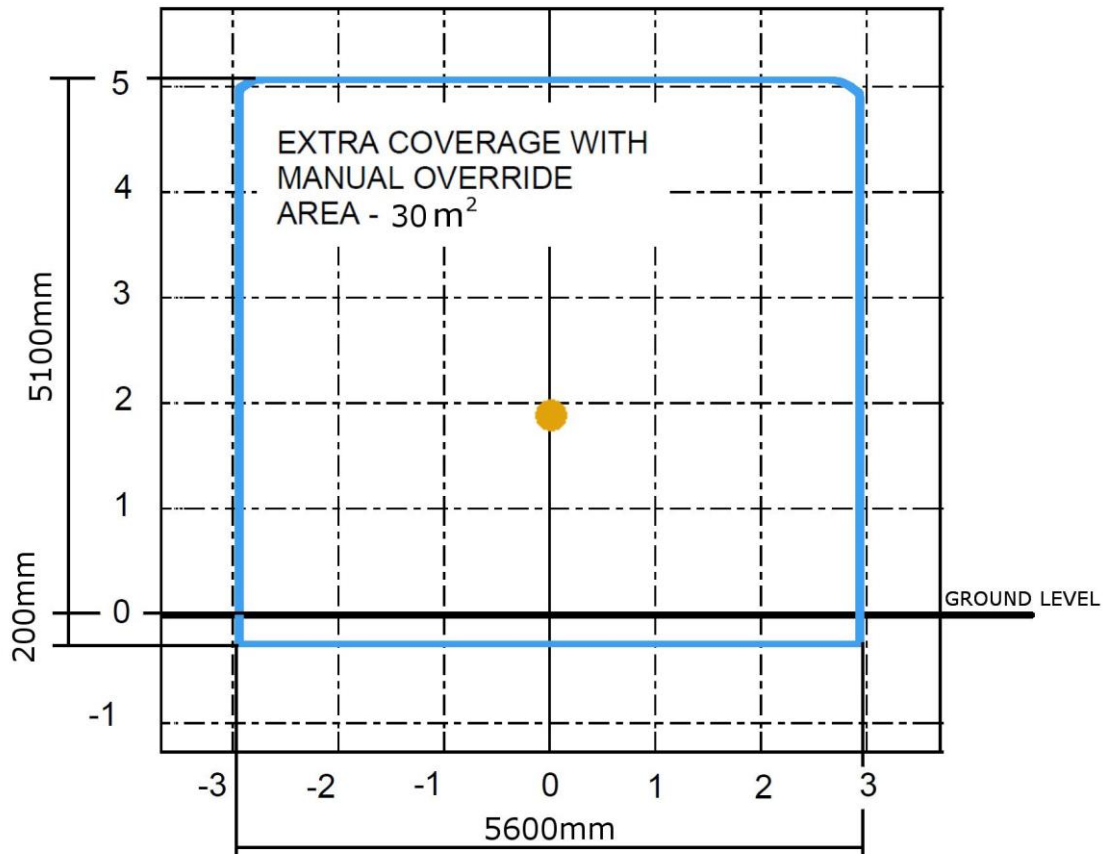
FEATURES

WEIGHT	13 300 kg
DIMENSIONS	
Length (with 10ft feeder)	10 200 mm
Width	1 350 mm
Tramming height	2 100 mm
Working height	2 600 mm
Minimum width of heading (with 10ft feeder) at 90 degree turn	2 500 mm
GRADEABILITY	
downgrade	10 degrees
cross-grade	3 degrees
Max. speed on flat surface	10 km/h
Max. speed on 10 degrees slope	4 km/h

Turning radius



COVERAGE with B25 boom with 1000mm extension



Attention: the machine is not equipped with auto-parallel system

BOOM	B25
Boom extension	1000 mm
Boom Lift	+41 /-25°
Boom Swing	+/- 27°
Feeder rotation 2-axial rotary actuator	360°/360°
Feeder crowd	1100 mm
Feeder dump	+30 /-50°
Weight (with slide support for 10ft feeder)	1800 kg

FACE MASTER 2.1

FEEDER

light series

The feed frame is of aluminum alloy fitted with easily replaced, hollow stainless steel wear rails to carry the rockdrill cradle, moving guide and hose reeler. The bottom pair of these rails provide the connection with the slide support frame. The sliding fit of the rockdrill cradle and other moving parts is adjusted by means of setscrews.

Type	(10ft)
Overall length	4950 mm
Hole depth	2400 mm
Rod length	3100 mm
Weight	750 kg

CARRIER

Diesel engine	DEUTZ D 914 L5 – 72,5kW @ 2300 rpm air cooled, comply with Stage 3A
Tramming	Hydrostatic four wheel drive with wheel motors coupled directly to the wheels
Articulation	Danfoss – Orbitrol controlled by steering wheel
Brakes	Hydrostatic brakes with additional fail-safe emergency-parking brake
Tires	10.00 x 15"
Fuel tank	100 l
Electrical control system	24 V
Battery	2 x 12 V
Driving lights	4 x 55 W
Hand pump to release emergency/parking brakes	
Automatic centralized lubrication system	SKF

HYDRAULIC SYSTEM

Hydraulic pump	Axial-piston with load sensing for percussion and two gear pump for rotation and feed
Percussion	140 bar
Feed	80 bar
Rotation	100 bar
Tank of oil with oil level indicator, return filter	260 l
Filtration	10 µm
Oil cooler	Water cooling system
Hydraulic oil	HV 68

FACE MASTER 2.1

WATER SYSTEM

Water booster pump	rotodynamic pump
Max. capacity	90 lpm
Min. inlet pressure	3 bar

AIR SYSTEM

Compressor	Screw type
Capacity	0,7 m ³ /min

ELECTRICAL SYSTEM

Motor	1 x 55 kW
Voltage	to suit customer's requirements
Working lights	2x 35W xenon + 2x LED lights

ROCKDRILL

Montabert HC 109

Shank adapter	R38, T38
Weight	142 kg
Impact power	19,4 kW
Percussion oil flow	140 lpm @ 140 bar
Rotation speed	120 – 300 rpm
Rotation torque	max. 1275 Nm

CABLE REEL

MINE MASTER

Capacity	80 m
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WATER HOSE

40 m 1" – carry at the back of the machine on horns

OPTIONAL EQUIPMENT

FIRE SUPPRESSION SYSTEM

ANSUL LT-A-101-30, 6 nozzles, activated manually

FIRE SUPPRESSION SYSTEM WITH FLAME DETECTION

ANSUL LT-A-101-30 SC-N with Checkfire 210, 6 nozzles, activated automatically

BY – PASS FILTRATION

Additional recirculation independent hydraulic filtration system for both tramming and drilling systems

SPARE WHEEL

12.00 x 20" (including rim and tire)

FEEDER GUIDING SYSTEM

Enables drilling parameters monitoring + accurate feeder positioning (in reference to drill plan)

ELECTRIC CABLE

FEEDER

F-7000 series

The feed frame is of aluminum alloy fitted with easily replaced, hollow stainless steel wear rails to carry the rock drill cradle, moving guide and hose reel. The bottom pair of these rails provides the connection with the slide support frame. The sliding fit of the rock drill cradle and other moving parts is adjusted by means of setscrews. Rock drill feed is provided by an internally housed hydraulic cylinder and wire rope arrangement which provides a feed force of 15,5 KN.

Type	8ft	12ft
Overall length	4 210 mm	5 270 mm
Hole depth	2 180 mm	3 200 mm
Rod length	2 400 mm	3 700 mm
Weight	760 kg	820 kg

TELESCOPIC FEEDER

Item	Rock drill type	Type of rods	Length of rods Min-Max [mm]	Max. depth of drilled hole [mm]	Overall length collapsed — extended [mm]
1	HC - 109	6-10 ft	1830 - 3100	1530 - 2800	3470 - 4900
2	HC – 109	6–12 ft	1830 - 3700	1530 - 3400	3470 – 5530