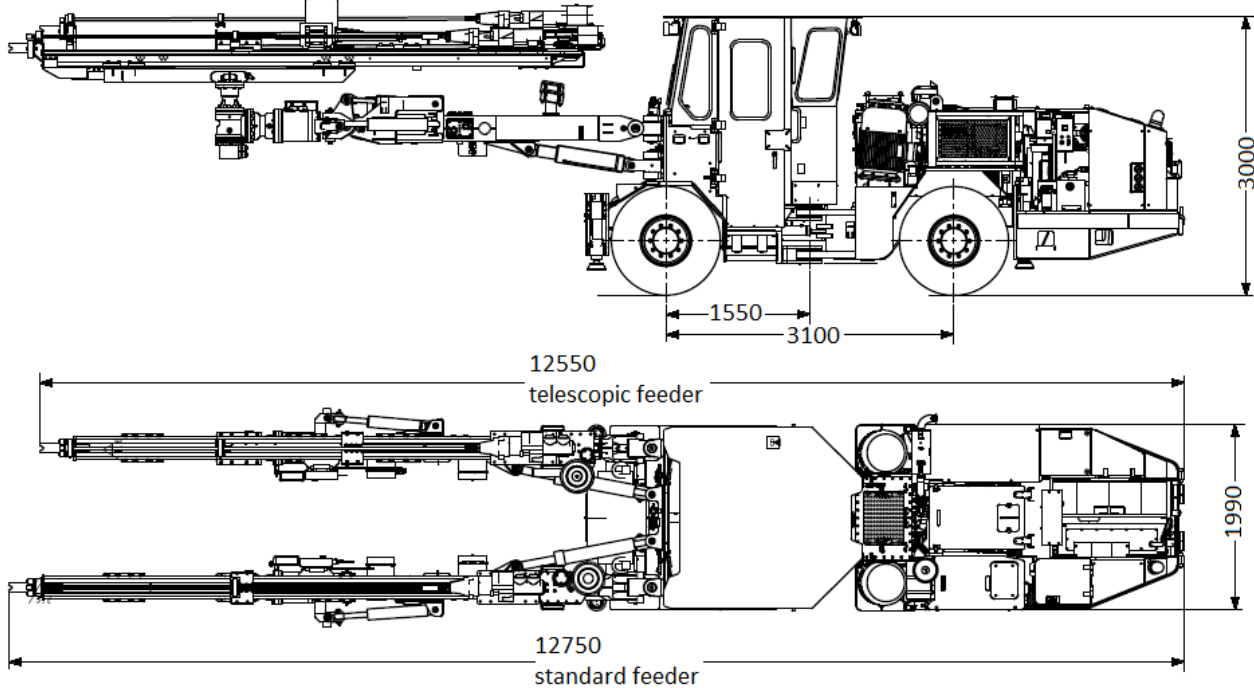


Face Master 2.3

Twin boom drill rig



ATTENTION: The drawing shows machine, where right boom is equipped with optional telescopic feeder.

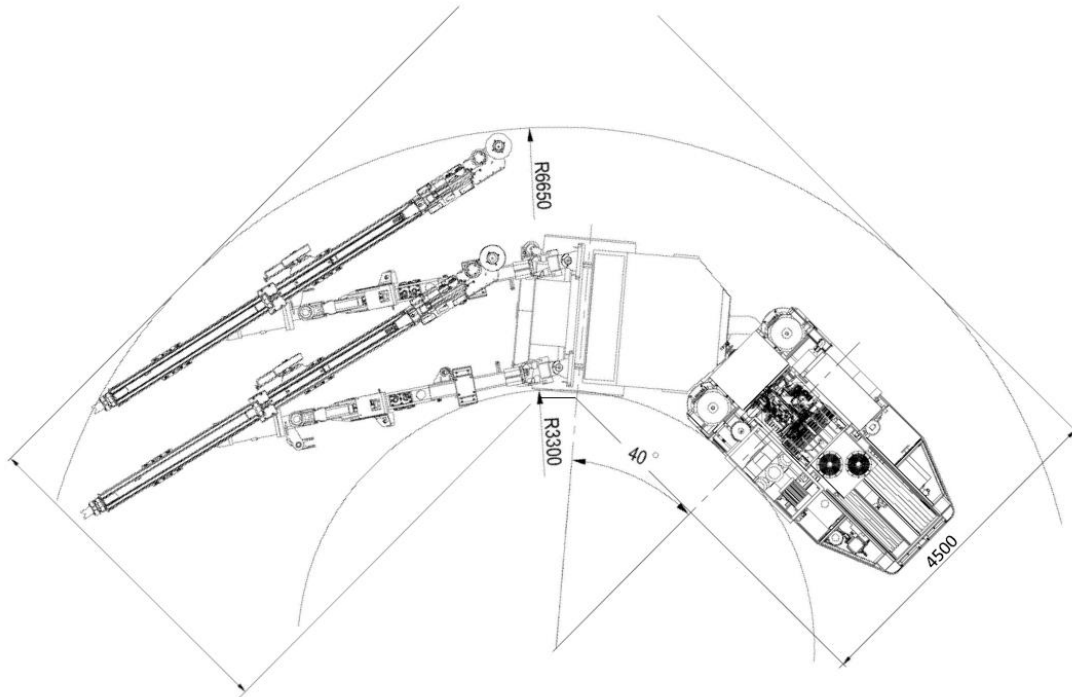
MAIN COMPONENTS

Rockdrill	Montabert HC 109
Boom	B 40 L
Diesel engine	Deutz TCD2012L04 - 95 kW @ 2300 PRM, liquid cooled
Feeder	F – 7000 series
Tires	12.00 x 20

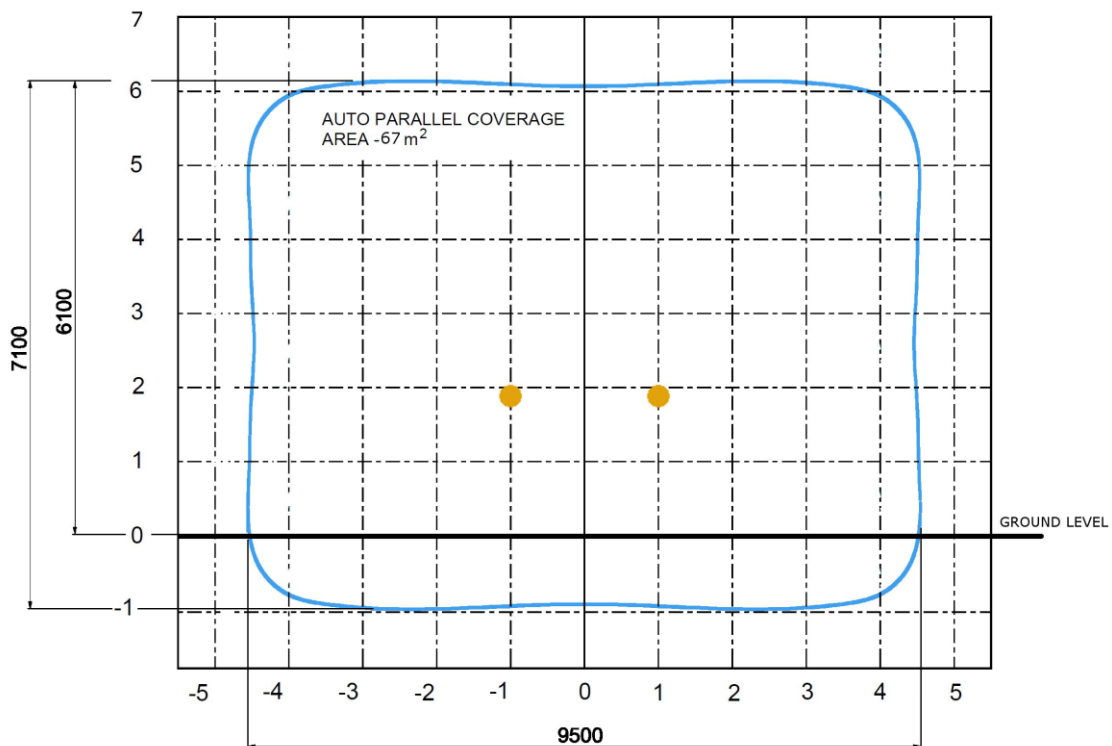
FEATURES

WEIGHT	25 600 kg
DIMENSIONS	
Length (with 14ft feeder)	12 750 mm
Width	1 990 mm
Max. height	3 000 mm
Turning radius	R _i = 3 300 mm R _o = 6 650 mm
Admissible along gradeability	10 degrees
Admissible cross-grade	5 degrees

Turning radius (with 14ft feeders)



Coverage – 67m² in auto – parallel mode



Face Master 2.3

BOOM	B 40 L
Boom extension	1 500 mm
Boom Lift	+40 /-30°
Boom Swing	+/- 40°
Feeder rotation	360°
Feeder crowd	1 500 mm
Feeder swing	+40 /-40°
Feeder tilt	0-90°
Weight	2 100 kg

FEEDER **F-7000 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. Rockdrill feed is provided by an internally housed hydraulic cylinder and wire rope arrangement which provides a feed force of 15,5 KN.

Type	F-7000 (14ft)
Overall length	5 885 mm
Hole depth	3 800 mm
Rod length	4 305 mm
Weight	850 kg

CARRIER

Diesel engine	Deutz TCD2012L04 - 95 kW @ 2300 rpm, liquid cooled
Tramming	Four wheel drive (Power shift)
Transmission	1120MT12441 Dana Off-Highway
Torque converter	Transmission integrated
Axles	113 Dana Off-Highway front and rear
Articulation	Danfoss – Orbitrol controlled by steering wheel
Brakes	Fail-safe, wet multi-disc service brakes with additional fail-safe emergency-parking brake
Tires	12.00 x 20
Fuel tank	100 l
Electrical control system	24 V
Battery	2 x 12 V
Driving lights	4 x 35W LED
Automatic centralized lubrication system	SKF (VOGEL)

Face Master 2.3

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

WATER SYSTEM

Water booster pump	rotodynamic pump
Max. capacity	90 lpm
Min. inlet pressure	2 bar
Water hose reel	MINE MASTER -80 m (prepared for 1 ½ " water hose)
Capacity	80 m

AIR SYSTEM

Compressor	Screw type
Capacity	0.945 m ³ /min

ELECTRICAL SYSTEM

Motor	2 x 55 kW
Voltage	400V, 50 Hz
Working lights	2 x 35W LED + 2 x 35W xenon type
Cable reel	MINE MASTER
Capacity	80 m

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	max. 275 RPM
Rotation torque	max. 1275 Nm

OPTIONAL EQUIPMENT

FIRE SUPPRESSION SYSTEM	ANSUL LT-A 101.30, 6 nozzles, activated manually
FIRE SUPPRESSION SYSTEM WITH FLAME DETECTION	ANSUL LT-A-102-30 SC-N with Checkfire, 6 nozzles, activated automatically
BY – PASS FILTRATION	Additional recirculation independent hydraulic filtration system for both tramming and drilling systems
AIR-MIST SYSTEM WITH 400L TANK	Mounted instead of water hose reel; additional air-coolers and more efficient compressor added
AIR-MIST SYSTEM WITH CONNECTION TO LOCAL WATER NETWORK	System with additional air-coolers and more efficient compressor
SPARE WHEEL	12.00 x 20" (including rim and tyre)
HAND PUMP TO RELEASE EMERGENCY/ PARKING BRAKES	
FEEDER GUIDING SYSTEM	
VOLTAGE	to suit customer's requirements
ELECTRIC CABLE – 400V	4x95 mm ²

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	10ft	12ft
Overall length	4 210 mm	4 740 mm	5 270 mm
Hole depth	2 180 mm	2 780 mm	3 200 mm
Rod length	2 400 mm	3 050 mm	3 700 mm
Weight	760 kg	790 kg	820 kg

TELESCOPIC FEEDER

The telescopic feeder allows to drill face blast hole as well as bolt hole in the roof.

Model number	Rock drill type	Type of rods	Length of rods Min-Max [mm]	Max. depth of drilled hole [mm]	Overall length collapsed – extended [mm]
MMTF3700/2440-HC109	HC – 109	8ft - 12ft	2440 - 3660	2240 - 3450	3875 - 5130
MMTF3700/2800-HC109	HC – 109	9ft - 12ft	2800 - 3660	2600 - 3450	4235 - 5130
MMTF4310/2440-HC109	HC – 109	8ft – 14ft	2440 - 4310	2240 - 4090	3875 – 5770
MMTF4310/2800-HC109	HC – 109	9ft – 14ft	2800 – 4310	2600 - 4090	4235 – 5570
