delkom A.Ş.
manufacturer of rock drill alternative spare parts

BOLTER 88
UNDERGROUND DRILLS

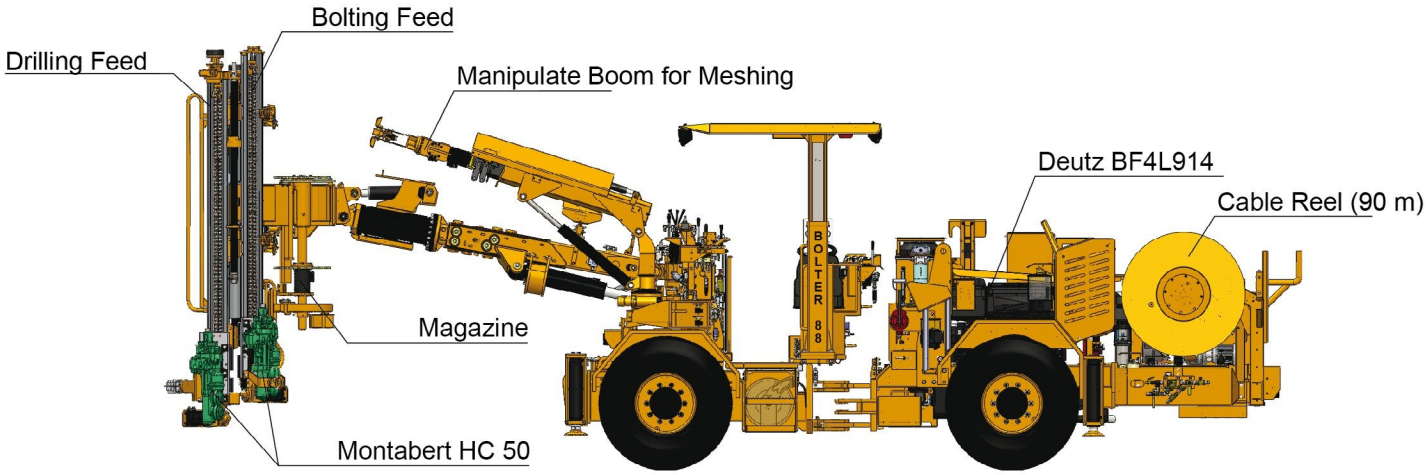
TECHNICAL SPECIFICATION

BOLTER 88 is a drilling rig for mechanized roof bolting and meshing in medium-sized sections, from 4x4 up to 7.4 m high.

Equipped with Bolting Turret T88 equipped with two Montabert HC 50 rock drill and Magazine of bolts. It can install Split Set bolts, Rebar with resin or cement cartridges, Mechanical, Swellex, Hydrabolt, Rockbolts and Python. The drilling feed has a centralizer design which works like Mesh Holder when the mesh is installed on pieces. An independent boom mesh manipulator is offered as an option, allows mechanized meshing all the entire operation combined in a safe way for the operator.

Chassis for heavy duty application, articulated 4WD, self-propelled with diesel, electro hydraulic system for drilling.

SPECIFICATIONS



DRIFTER

Model	Montabert HC50
Percussion power	14 kW
Percussion pressure	130 Bar
Frequency percussion	62 Hz
Rotation speed	0 - 195 rpm
Rotation torque	415 Nm
Hole diameter	33 - 64 mm
Lub. air consumption	83.3 l/s (to 2.5 bar)
Lub. oil consumption	0.8 cc/min
Water consumption	25 l/min (to 8 bar)
Shank adapter	R32 Female
Weight	102 kg

BOLTING TURRET

Model	T88
Magazine of bolts	7 unit of 20 cm plate
Plate size	150 x 150 mm
Option	200 x 200
Drilling feed	RE 1000 Series
Feed extension	400 mm
Advance drilling	Hydraulic motor and chain
Coupling mesh clamp beam drilling	
Manipulate boom for meshing	300 kg load capacity
Kind of rock bolts	Split Set bolts, Rebar, Mechanical, Swellex, Hydrabolt and Python
Lenght bolt	7, 8 or 10”

CARRIER

Model	C66.1
Diesel engine	Deutz BF4L914, Tier II, EPA II
Power	72.4 kW @ 2300 rpm
Exhaust catalyst	Standard
Transmission	Hydrodynamics
Powershift gearbox	Dana, T12000
Axle front / rear	Dana, Serie 112
Rear axle oscillating	± 8°
Positioning pump	Parker, PGP315
Service brakes	Separate
Emergency and parking brakes	SAHR (Spring Applied Hydraulic Release)
Tyres	12.00 R 20
Steering (articulated carrier)	±41°
Hydraulic jacks	2 extendable front, 2 rear
Battery	2x12 V, 90 Ah
Electric system	24 VDC
Gradeability	0-15°
Canopy	FOPS / ROPS
Tramming lights	8X, Halógeno 65W HD, 24 V
Centralized lubrication system	SKF
Drilling lubrication system	SKF
Automatic fire suppression system	ANSUL, 6 nozzles
Fire extinguisher	1x6kg, Tipo ABC
High-pressure washing system	
Reel grease gun	

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BOOM

• Model	Boom 14,1
• Boom extension	1000 mm
• Angle lift	+53° / -20°
• Swing angle	± 30°
• Feed roll-over	360°
• Hydraulic cylinders	Parker

ELECTRIC SYSTEM

• Electric motor	ABB - 75HP/55kW
• Voltages	380 - 440 - 550 - 690-1000 VAC
• Frecuency	50 - 60 Hz
• Starting method	Star - Delta
• Option to 1000 VAC	Direct start
• Overload protection and ground fault	Schneider, Module VIGI En el tablero de control
• Percussion hour meter	Siemens
• Phase sequence indicator	32 VAC, 300W, 13A
• Battery charger	3,5 kVA
• Electric transformer	2X, LED N44, 50W, 6700 lm, 24 V
• Working lights	90 m
• Electric cable reel	3X1/0 - AWG (50mm)
• Electric cable	IP 55
• Protection degree	

WATER AND AIR SYSTEM

• Compressor	GX 11 P
• Maximum capacity	28,3 l/s (58 CFM)
• Working pressure	10 bar
• Water pump with hydraulic motor	Grundfoss, CR5 - 9
• Maximum capacity	6.9 m³/h
• Minimum inlet water pressure	2 bar
• Bowman cooler	FG-120, 48.6 GPM, 20 bar
• Air tank	60 l

HYDRAULIC CONTROL SYSTEM

• Direct control valve	Parker KA-18
• Percussion pump (compensated pressure)	Rexroth A10VO71
• Double rotation pump	Parker, PGP620
• Working pressure	180 bar
• Hydraulic oil tank volume	130 l
• Hydraulic return filter	Parker, 10µ
• Hydraulic pressure filter	Parker, 20µ
• Saturation hydraulic filter indicator	Parker
• Indicator of low oil	Hydac
• Indicator temperature oil	Hydac