

Making mining safe

A fully mechanized rock bolting rig for bolt lengths from 1.5-3.5 meters. Effective in roof heights up to 9.5 meters.

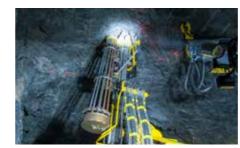


Main benefits

Optimized bolting unit with reduced feed length which gives potential for reduced drive sizes whilst retaining the same bolt lengths used previously

Rock drills optimized for bolt hole drilling with the options of COP RR11 and COP RR14

Easy maintenance with an open service architecture thanks to a four-wheel drive carrier which is common with the Simba M/E and the Boomer M/E machines



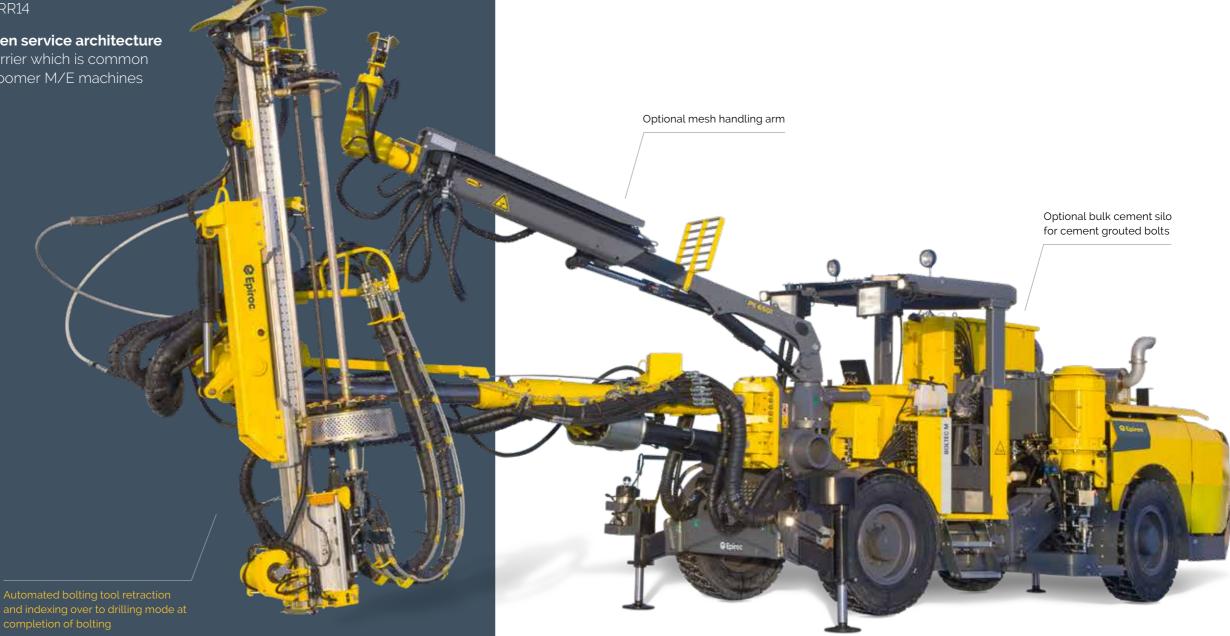
The bolting unit on the Boltec M has been optimized to reduce the overall feed length by 100 mm when compared to earlier bolting unit designs.



The COP RR11 rock drill is optimized for bolt hole drilling. For larger hole diameters required for some friction bolt types the optional COP RR14 is suitable.



The Boltec M series machines share a common four wheel drive articulated carrier design with their Simba M/E and Boomer M/E stablemates.



Safety and quality of bolt installation is our focus. The standard and optional features of the Boltec M ensures operator safety, comfort and guarantees a job well done.



+ Safety

Mechanized bolting removes the operator from the potentially dangerous areas of unsupported ground. All drilling and bolt installation is controlled from the operator station under a FOPS certified canopy or optional ROPS and FOPS certified air conditioned cabin.



+ Bolt installation quality

Mechanized bolting typically holds a much higher installation quality and consistency than manual or semi-mechanized installation. Bolt angles, bolt spacing, controlled grout ratios, installation pressures, and bolt numbers are just some of the data that can be collected or recorded.



+ Operator comfort

The operator position affords excellent visibility of the bolting operation as well as when tramming the vehicle. The operator area is spacious and features a swingable operator seat for driving and bolting. The optional ROPS and FOPS air conditioned cabin enhances the operator's comfort especially in extreme temperatures or dusty conditions.



A comprehensive service offering

Even the best equipment needs to be serviced regularly to make sure it sustains peak performance. An Epiroc service solution offers peace of mind, maximizing availability and performance throughout the lifetime of your equipment. We focus on safety, productivity and reliability.

By combining genuine parts and an Epiroc service from our certified technicians, we safeguard your productivity - wherever you are.

● = Standard ○ = Option

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Hydraulic oil thermostat Hydraulic oil teakage detection and shut-down system Hydraulic oil fine particulate and water filtration system (not in conjunction with bulk cement system) Control system Tramming lights, rear 4x40 W LED + 2x70 W Halogen Working lights 2x320 W LED 24 V DC Illuminated stairs for platform Central grease point Fire extinguisher		•	•
Hydraulic oil leakage detection and shut-down system Hydraulic oil fine particulate and water filtration system (not in conjunction with bulk cement system) Control system A B Tramming lights, rear 2x40 W LED + 2x70 W Halogen Working lights 2x320 W LED 24 V DC Illuminated stairs for platform Central grease point Fire extinguisher		•	•
Hydraulic oil fine particulate and water filtration system (not in conjunction with bulk cement system) Control system A B Working lights 2x320 W LED 24 V DC Illuminated stairs for platform Central grease point Fire extinguisher		•	•
(not in conjunction with bulk cement system) Control system A B Illuminated stairs for platform Central grease point Fire extinguisher		•	•
Control system A B		•	•
Control system A B ——————————————————————————————————		•	•
Control system		•	•
Fire suppression system ANSUL - manual release		0	0
Rig Control System (RCS) Fire suppression system ANSUL - automatic release (checkfir	ire)	0	0
Bolt Quality Log (BQL) \bigcirc Fire suppression system ANSUL - automatic release with CO $_2$ in e	electrical	0	0
Bolt plan navigation O O cabinet		0	\perp
Rig Remote Access (RRA) O E-tramming		0	0

Technical specifications

● = Standard ○ = Option **A** = Boltec M **B** = Boltec M Battery

Optional cabin	Α	В
FOPS and ROPS certified cabin, noise level <80 dB(A)	•	•
Low profile cabin ROPS and FOPS 150 mm lower than standard - seated operation only	0	0
Low profile cabin ROPS and FOPS 150 mm lower than standard - seated operation only	0	0
Cabin height fixed, lowered 140 mm from standard	0	0
Cabin height fixed, raised 250 mm from standard	0	0
Mediaplayer	•	•
12 V outlet for communication radio	•	•
Reversing camera with monitor	0	0
Air conditioning unit	•	•
Heating function for air conditioning (water transferred)	0	0
Swingable seat for drilling and tramming	•	•
Cabin body made of stainless steel	0	0
Joystick-controlled spotlights left and/or right, 70 W	0	0
Front window, 24 mm	0	0
FOPS-approved grizzly bar for front window	0	0
Cabin lift/tilt function (FOPS)	0	0

Protective roof	Α	В
Mounting height increased 60 mm from standard	0	0
Mounting height increased 310 mm from standard	0	0

Tramming speed

On flat ground (rolling resistance 0.05)*	>15
On incline 1:8	>5

^{*} Electric driveline >12 km/h

A = Boltec M B = Boltec M Ba

Dimensions	
Width	2 245 mm
Height, cabin fixed ROPS and FOPS	3 021 mm
Height, protective roof (min/max)	2 361/3 061 mm
Length tramming SBU2400	14 129 mm
Ground clearence	275 mm
Turning radius outer/inner	7 100/4 550 mm

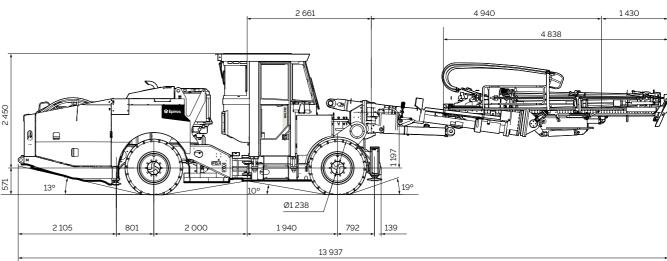
Weight	Α	В
Total	27 900 kg	29 900 kg
Boom side	15 800 kg	15 800 kg
Engine side	12 100 kg	14 100 kg

Recommended cable sizes and lengths

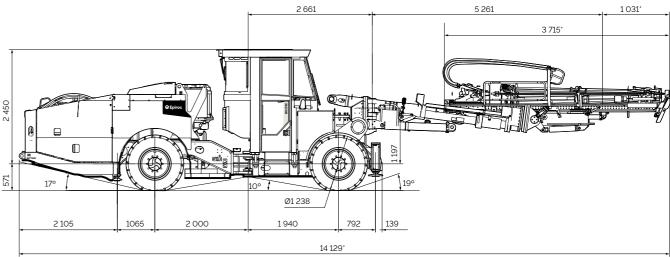
Voltage	Dimension, mm ²	Diameter	Length
400 V	3x185+3G35+2x1x1.5	56 mm	90 m
440 V	3x150+3G25+2x1x1.5	52 mm	100 m
460-500 V	3x120+3G25+2x1x1.5	46.5 mm	120 m
500-550 V	3x95+3G16+2x1x1.5	42 mm	150 m
660-690 V	3x70+3G16+2x1x1.5	37 mm	180 m
1000 V	3x50+3G10+2x1x1.5	32 mm	200 m

Recommendations are given for surrounding temperature of 40°C and up to a height of 2 000 m. Cable dimension for battery version depends on charging cycle.

Technical specifications

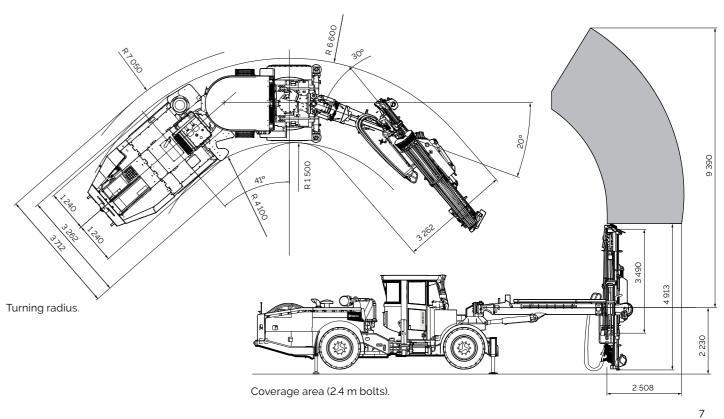


Dimension illustration, diesel version (optional equipment mounted).



Dimension illustration, battery version (optional equipment mounted).

^{*} Length with SBU X57





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