

Drill stop 1.5

Retrofit kit for Boomer M/M2/E/E3/E1C/S2



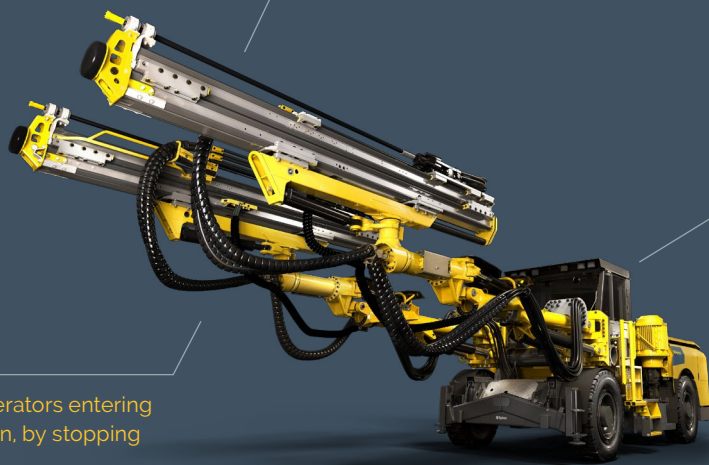
Safer operations and drilling with Drill stop 1.5

Enhance safety and prevent accidents with Epiroc's Drill stop 1.5 kit. Built on the RCS5 platform, the easy-to-install conversion kit adds value to the machine safety features. Upgrade your equipment with Drill stop 1.5 kit and join us in our endeavors to make operations and mining industry a safer place.

Straight forward conversion kit. Easy to install and reset.

Safety classed PIR sensors

Prevent accident when operators entering the area in front of the cabin, by stopping drill rotation/impact.



+ Main benefits

Enhanced safety when an operator enters the area in front of the cabin.

Increased reliability with Passive Infrared (PIR) sensors that improve movement detection in harsher, dusty and low-visibility environments, with a quick reset functionality.

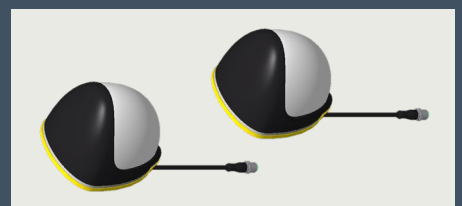
Easy to install conversion kit.



Drill stop-safety system is compliant with EN ISO 13849-1:2006 market regulations.



Applicable for Boomer with RCS 5 (Boomer M/M2/E/E3/E1C/S2).



Robust sensors with low tripping, and a safety performance level C.

Technical specifications

PIR Sensor

Indicator	Specification
Detection range	Up to 30 mm with minimum 2°C difference between object and background temperature. If ambient temp is between the range 33-37°C, the RCS system displays a warning message indicating that the operator has to carry on a sensor test to continue working.
Coverge	10° detection angle. The drilling stops and deallocates operator's panel when PIR sensors detect movements on the barrier plane.
Optics	Double silicon shielded quad element eliminates 50 000 lux of white light
Anti-Mask	Detection range up to 30 cm depending on material reflectivity
LED	Blue PIR detection, red AM detection
Power input	11 to 36 VDC
Current	15 mA (24 VDC nominal)
Output	Two normally closed relays in series maximum 48 VDC 50 mA with thermal fuse protection (Short circuit protection)
IP class	IP 65 to EN 60529. Additional silicone sealant of cover and housing
Operating temperature	-25°C to +55°C
Internal self-test	Including handshake between the double micro controllers
Short circuit protection	Yes (see output)
Start up sequence	3 minutes
MTTF	215 years
Diagnostics coverage	99.2 %
Category	EN ISO 13849-1:2015 Category 2
EMC	EMC directive 2014/30/EU
RoHS	EU 2015/863 (RoHS 3)
CE	CE compliance
Dimensions W/H/D	120/155/110 mm without bracket, 120/155/120 mm with bracket
Weight	710 g without bracket, 1 310 g with bracket

*Applicable for Boomer with RCS 5 (Boomer M/M2/E/E3/E1C/S2)

Kit

Article	Part number
Drill stop 1.5 kit	9106 9789 77

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