Gate Bolts for Non Contact Switches **Type: GBN-1**

APPLICATION:

IDEM GBN Gate Bolts when used with non contact switches provide interlocking of the guard but ensure that unintentional restart is prevented.

A deliberate action of sliding (and/or pulling GBN-3) and re-latching the gate bolt handle is required.

In conjunction with a Risk Assessment (ISO12100-1/ISO12100-2) they can be used to eliminate the risk of operators becoming accidentally trapped inside a guarded area.

FEATURES:

Manufactured in robust die cast metal and stainless steel construction.

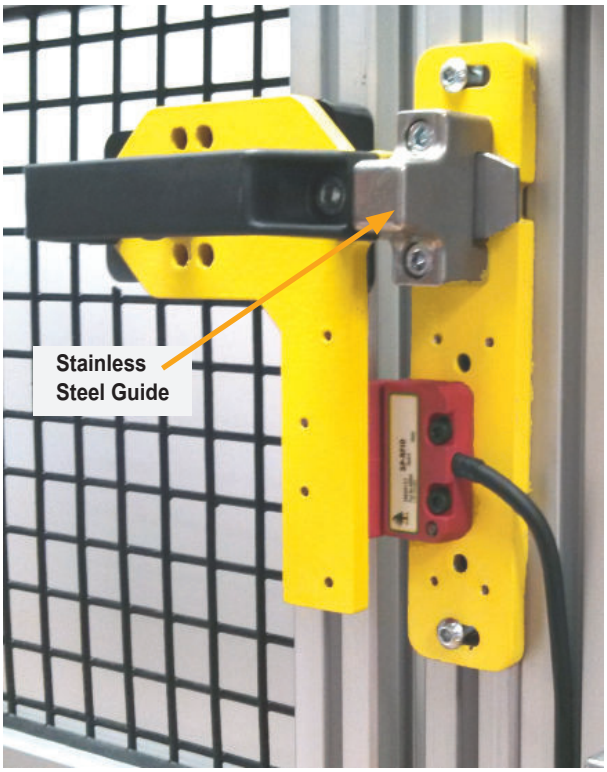
Non contact switches are mounted to aluminium plates to maximize read range.

Over 30mm ($1^1/_4$") adjustability (handle bracket and switch bracket mounting holes are slotted) to compensate for varying door gaps.

There are padlock holes provided to lock the handle to prevent the guard from being closed and the machine started during maintenance.

Stainless steel guide prevents accidental closure, keeps safety switches properly aligned and acts as door latch.

All individual pieces are replaceable if damaged (handle, guide, individual brackets, etc.). Switch brackets are pre-drilled to accommodate non contact safety switches (as listed).



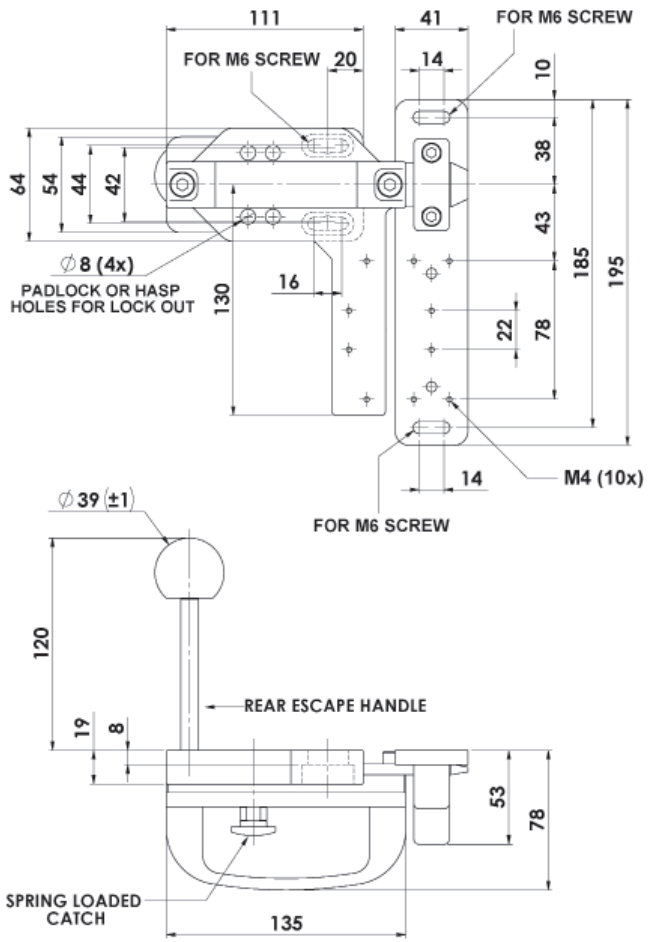
GBN-1 shown fitted with SPF-RFID Non Contact Switch
Left Hand Version shown.

Unlocking of the Gate Bolt can only be achieved by sliding the handle.

(Optional Rear Handle accessory available if there is a requirement to escape from the guarded area.)

Requires deliberate re-closing when re-start is required.

GBN-1 Gate Bolts hold the guard closed when the handle is closed, providing shearing forces of up to 10,000N (F1Max) on hinged guards.



OPTIONAL ACCESSORIES FOR GBN-1:

Rear handle where there is a requirement to open the Gate Bolt from inside the guarded area.

Spring loaded catch to prevent accidental actuation after opening of the handle. This holds the door in the closed position with light force (to prevent accidental opening due to vibration or other unforeseen actions).

When opened, knob retains the door in the open position and cannot close unless catch is pulled upwards.

GBN-1 GATE BOLT	HANDLE POSITION	SALES NUMBER
GBN-1 (Gate Bolt Non Contact)	Left	210007
GBN-1 (Gate Bolt Non Contact)	Right	210008
	Rear Handle	210005
	Spring Loaded Catch	210006

SWITCHES SUITABLE FOR MOUNTING ON THE GBN-1 GATE BOLT		
GBN-1 Gate Bolt	CODED:	SPC, SMC, SMC-H, LPC, LMC
	MAGNETIC:	SPR SMR, SMR-H, LPR, LMR
	RFID:	SPF-RFID, LPF-RFID, LPZ-RFID