



Statement

GEM Mini Shear Lock locks by seating two conical locking bolts located on opposite corners of the Armature Plate into matching keep holes on each end of the Electromagnet body. The GEM Shear Locks never bind under pressure, are not sensitive to door alignment, and do not require door position sensing or auxiliary timing circuitry. They are ideal for swing-through doors and sliding doors as well. A unique benefit of the GEM Shear Locks' physical design is that they function equally well on doors that swing to close or doors that slide to close.

The GS-200 series is available in two models, GS-200 Unmonitored or the GS-200M with hall effect monitoring. The units are design for use with metal door frame, fitted to either, wooden, aluminum, or glass doors with the assistance of various housings. This manual gives a guide to all of the above applications and other useful installation information.

The GS-200 provide up to 1200 pounds shearing force and fully concealed mounting, combine the best in failsafe performance with the most advanced features.

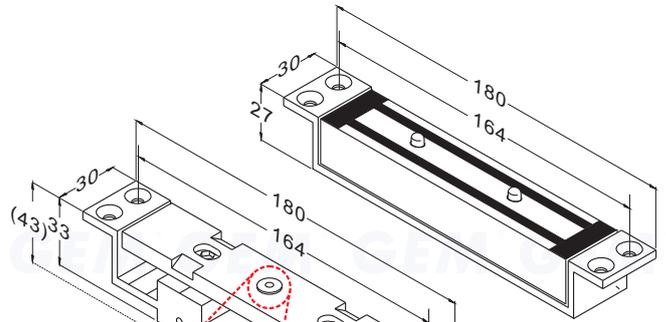
Specifications

- Voltage Tolerance: 10%
- Current Draw: 420mA@12 VDC; 210mA@24 VDC (at temperature 20 C)
- Magnetic bond sensor monitor output (GS-200M) (SPDT rated 3A@30VDC), indicates the door locked or unlocked status.
- Operating Temperature: -30~+55 C
- Humidity: 0~95% non-condensing.
- Lock's surface Temperature (when the power is on): <current temperature +20 C
- Holding Force: Up to 1200 lbs (545 Kg) in shear.
- The Gap between the Lock and Armature plate is 2 mm
- Special Finishes for magnet and armature plate: Zinc
- Epoxy Potting Compound: E87252 (S), UL94V-0
- Weight)Approx.(: 1.2 Kg

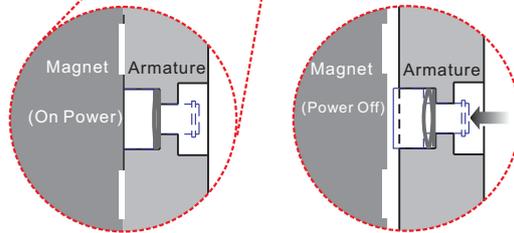
Patent

- GB 2400626 (Great Britain)
- 2854190 (France)
- 2003100306 (Australia)
- 219858 (Taiwan)
- Nr.203 06 200 .0 (Germany)
- ZL 03 2 45413.9(China)

Dimension



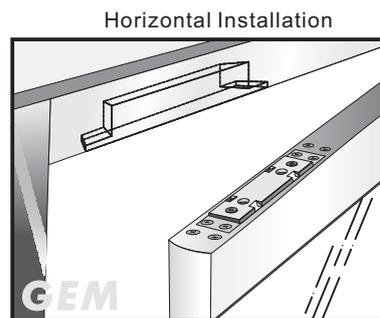
Unit: mm



Unique Anti-Residual design

When there is no power, there will be no holding force, and the push-off button will pop out immediately, to release the Electromagnetic Lock and the Armature Plate for no residual magnetism.

Flush Installation



Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 5 year from the date of sale to the original customer. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.

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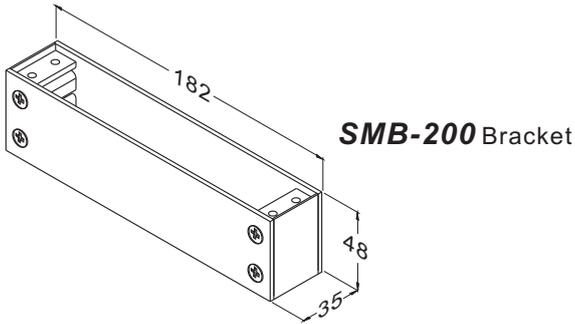
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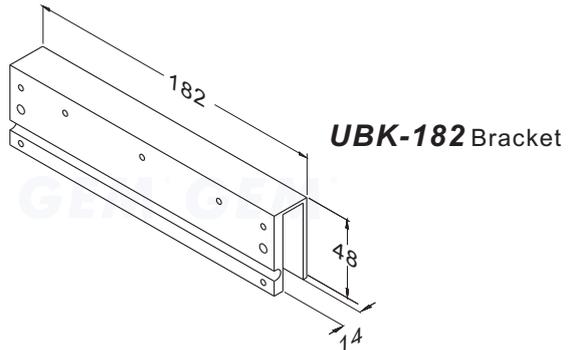
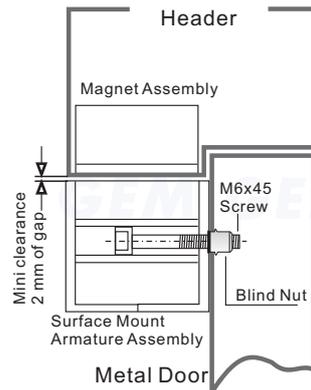
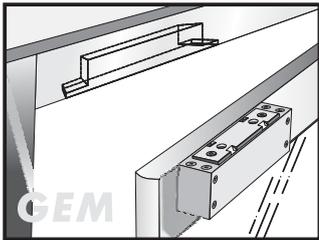
The products are manufactured under an ISO 9001 & QC 080000 Certified Quality Management Program environment back its product quality, performance and commitment to customer satisfaction.

Optional Brackets

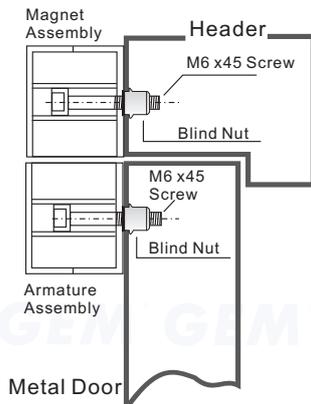
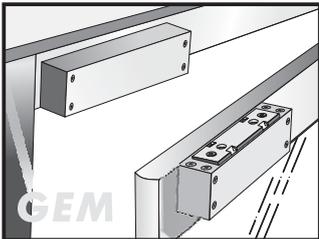
The unit may also be fitted semi-flush or surface installation with the use of the SMB-200 and UBK-182 Brackets. The magnet should be fitted to the door transom and the housing holding the armature on to the door. It is vital that a minimum gap of 2mm exists between the magnet and the armature, to allow correct operation.



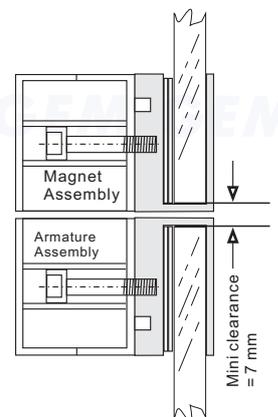
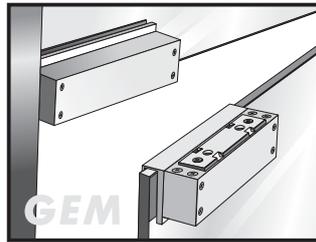
Semi-Flush Installation



Surface Installation



Installation on Frameless Glass Door



GS-200 using 2pcs of the SMB-200 Bracket and 2pcs of the UBK-182 mounting brackets. (The thickness of glass are 14 mm maximum.)

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