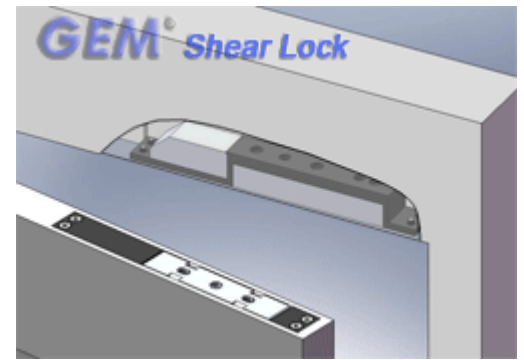
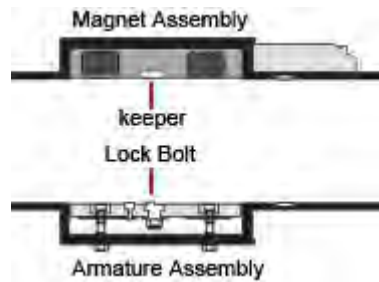
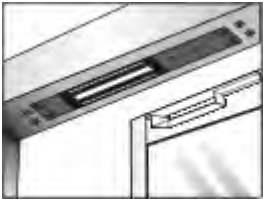


When the door is closed, the lock bolt will slide from door into the frame and momentarily fills into the cavity of the shear keeper to produce a mechanical locking action, and giving a high physical shear holding force, this design of holding force is much different from an electromagnetic lock



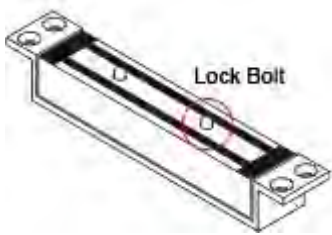
The main advantages, features and important notes of using GEM Shear Locks are listed below:



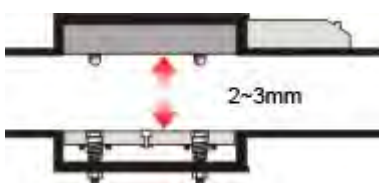
- The lock supports both electromagnetic lock and electro dropbolt feature with a totally concealed locking mechanism, which provides superior security and appearance



- Shear locks can be fitted to swing doors with 180° opening angle (double swing door) and are suitable for any type of door and frame construction



- The shear lock has been designed for allowing the lock bolt to easily retract back outward into the shear keeper when the power is removed . It is a very important design especially for an emergency situation



- The door gap can not be too large between the armature plate and magnet. Otherwise the lock performance will be decrease. Generally, 2 - 3mm of the door gap is the best for allowing the magnet to attract the armature plate holding the door close. The armature plate should be adjusted, when the door gap is too large



- Shear lock provide a strong shear force by using the combination of mechanical and electromagnet locking mechanism . It is suitable for applications which require a higher level of access and egress control