

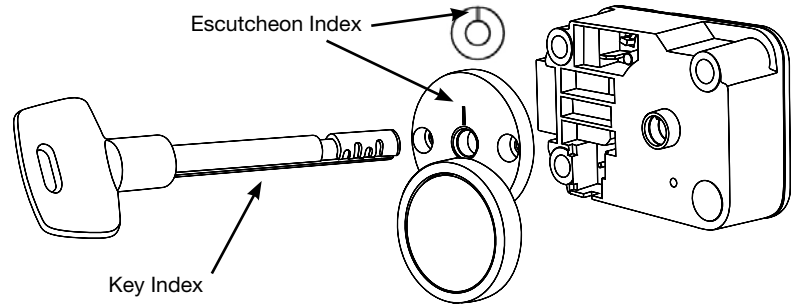
## 2270 Series Keylock

### INSTALLATION INSTRUCTIONS

Read guide completely before beginning installation.

#### Safeguards for Mounting

1. Complete all welds to the safe prior to installation of the lock.
2. Keep metal dust, filings, etc. away from the lock.
3. Never oil, grease, lubricate or paint the lock.
4. If applicable, keep cables away from sharp edges and moving parts.
5. If applicable, never carry the lock by the cable.



#### LOCK INSTALLATION INSTRUCTIONS

##### Preparation for New Installation: (If Required)

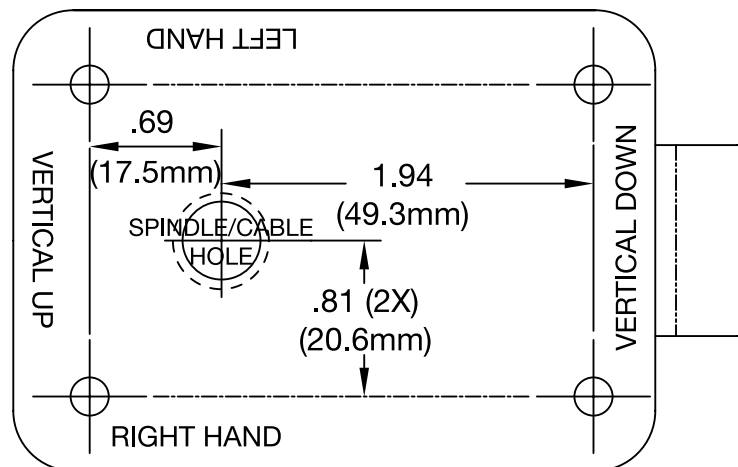
1. Use the installation template provided to establish the exact locations (relative to the keyhole) of the mounting holes for the lock assembly.
2. The keyhole diameter can be a minimum of .500" (12.7mm) to a maximum of .516" (13.1mm). The .500" (12.7mm) diameter is recommended. The keyhole must be deburred.
3. The lock mounting screws (1/4-20 or M6) require tapped holes; the recommended depth is .375" (9.83 mm), but a minimum depth of .250" (6.35mm) is required.
4. When mounting the lock unit (i.e., integrating it into a boltwork), make sure the lock bolt has clearance to freely move to its end positions and the shifting force works only in the axial direction (direction of movement). Lateral forces should not be exerted on the lock.

#### KEY LOCK SPINDLE HOLE

##### Drill and Deburr:

- .500 (12.7mm) Min.
- .500 (12.7mm) Recommended
- .516 (13.1mm) Max.

#### DO NOT SCALE



#### Design Parameters for 2270 Series Keylock

1. Bolt dimensions (nominal): .312 inches x 1.000 inches/8 x 25.4mm
2. Bolt dimensions (nominal): .355 inches/9.0mm
3. Bolt extension: .485 inches/12.3m
4. Maximum load movable by the bolt: 5 lbs. (22N)

**NOTE:** 2270 Keylocks may not open if force is applied to the end or side of the bolt.

6. The lock can be fitted to safes or vault doors of any material.

**LOCK INSTALLATION**

1. Insert the lock keyway into the keyhole on the back of the safe door (Figure 1).
2. With the lock flush against the mounting surface, attach the lock assembly using the three US 1/4-20 (Metric M6 x 32mm) mounting screws provided. The recommended torque for the mounting screws is 30 in./lbs. (3.4 N•m)



Figure 1

LA GARD Keylocks can be mounted in four (4) orientation positions:

- Left Handed
- Right Handed
- Vertical Down
- Vertical Up

**NOTE:** *The placement of the Escutcheon Index is dependent upon the lock orientation (Table 1).*

Escutcheon		Lock
	<b>UP, if Bolt Left</b>	
	<b>LEFT, if Bolt Down</b>	
	<b>DOWN, if Bolt Right</b>	
	<b>RIGHT, if Bolt Up</b>	

Table 1

## ESCUTCHEON INSTALLATION

### 2219 Escutcheon Plate

The 2219 Escutcheon Plate is installed using material displacement (interference fit). The keyhole diameter can be a minimum of .500" (12.7mm) to a maximum of .516" (13.1mm). The .500" (12.7mm) diameter is recommended. The keyhole must be deburred (Figure 2).

1. Press the escutcheon plate into the keyhole. The escutcheon index reference mark must be positioned according the bolt orientation (Table 1).
2. Using a mallet, drive the escutcheon plate into the safe door until the plate is flush with the surface of the door.

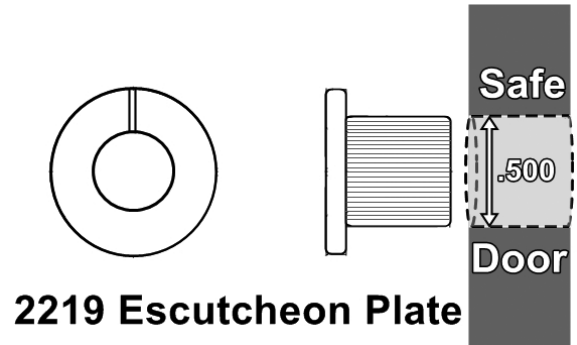
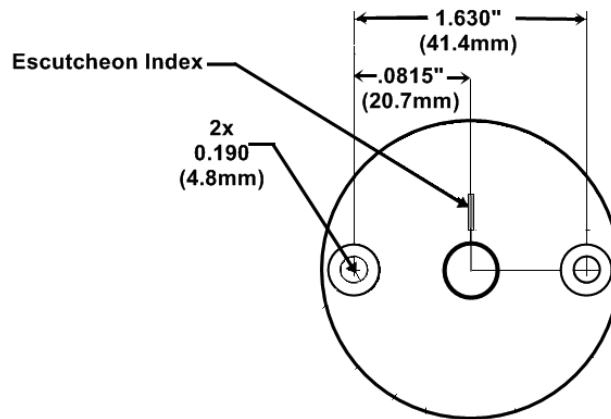


Figure 2

### 2226 Escutcheon Cover

1. If required, locate, drill and tap the two 8-32 holes to mount the Escutcheon Cover (Figure 3).
2. Center the escutcheon cover on the through hole, and attach to the safe door using the two (2) 8-32 mounting screws supplied. The escutcheon index reference mark must be positioned according the bolt orientation (Table 1).



## 2226 ESCUTCHEON COVER

Figure 3

### 2228 Key Shield

During transport, vibration can cause lock wheel movement which will result in misalignment of the lock wheels and prevent the insertion of the Setup or Operating Key. It is recommended that the Key Shield (P/N 2228 - Figure 4), be inserted into the keyhole prior to transportation to prevent wheel movement. If the lock wheels do become misaligned, **before** inserting the Key Shield or the Setup/ Operating Key, carefully rotate the lock wheel to the left (CCW) until the wheel tabs align with the keyhole hub (Figure 5).

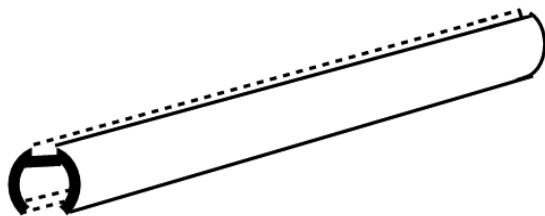


Figure 4

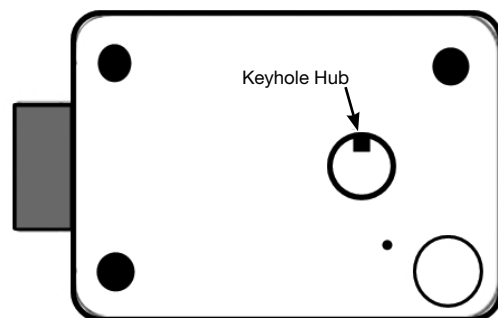


Figure 5