

# Sargent & Greenleaf / FAS 6490, 6560, 6570, 6580, 6860, 6870, 6880, 6890

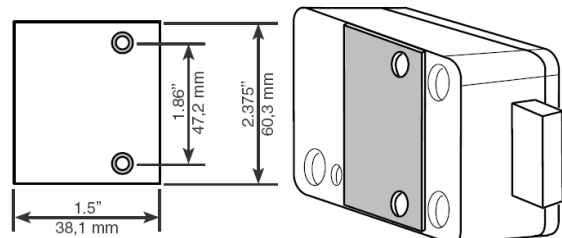
## Double Bitted Key Lock

### Installation instructions (Rev. 11/12/2010)

## Introduction

### Follow these basic precautions:

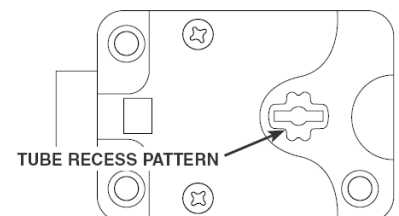
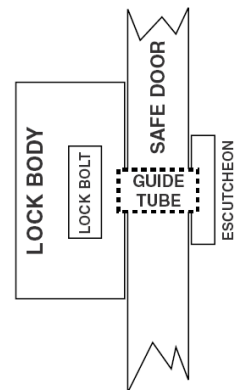
- The bolt of the Key Lock can withstand an end load up to 1.8 lbs. [8 N]. Forces greater than this amount may prevent the lock from working properly.
- The key requires a minimum keyhole of ½ inch [12.7 mm] and a maximum keyhole of 0.56 inch [14.2 mm]. If a guide tube is used with the lock, the minimum diameter increases to 11/16 inch [17.5 mm] and the maximum to 0.72 inch [18.3 mm].
- Installer modifications to the key lock are not covered by the manufacturer's warranty.
- Take precautions to prevent metal shavings, safe insulation, paint, weld spatter, or other foreign material from entering the lock.
- Make sure the lock is **not** installed in a manner that will allow objects to come in contact with the changing button, when applicable.
- The lock can be mounted right-hand (RH), left-hand (LH), vertical-up (VU) or vertical-down (VD).
- The safe must incorporate a relock device, or have a plate of at least 12-gauge steel attached to the back of the lock. Plate dimensions are given in the drawing at right. Attaching screws must be inserted into the blind holes on the lock's back.
- The lock should only be serviced and lubricated by trained service personnel. Improper service or lubrication will damage the lock and void the manufacturer's warranty.



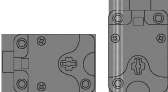

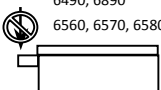


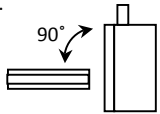



ATTACH PLATE TO LOCK USING (2) 8-32X 3/8" SELF-TAPPING SHEET METAL SCREWS

## Installation procedure

- Step 1. Ensure that the mounting surface for the locks is smooth and flat, and that the keyhole is perpendicular to the mounting surface.
- Step 2. Attach the lock to the mounting surface using three ¼-20 or three M6-30 machine screws, depending on the dimensions of the screw threads in the mounting surface. Attach the safe relock device or recommended back plate (see illustration above).
- Step 3. A guide tube should be used on insulated and composite safes. The tube must be cut to a length equal to the safe door thickness plus 3/16 inch [5 mm]. This will cause the tube to mate with the pattern surrounding the keyhole and the pattern in the underside of the escutcheon. Remove all sharp edges, burrs, and metal shavings created when the tube is cut.
- Step 4. Attach the escutcheon to the outside surface of the safe door over the keyhole.
- Step 5. Check the operation of the key in the lock. There should be no binding or scraping of the key against the tube or the sides of the keyhole. It should turn easily and smoothly.
- Step 6. Check the operation of the new key(s) in your lock at least three times before closing the safe door.
- Step 7. Make sure the bolt does not drag or bind against the safe's boltwork or door frame (rebate).



	S – Monteringsanvisning SF – Asennusohje	N – Monteringsanvisning DK - Monteringsanvisning	D – Installationsanweisung
1. 	Min håldiameter för nyckel: Ø12.7mm (Ø17.5mm med rör) Max håldiameter: Ø14.2mm (Ø18.3mm med rör)  Min reiän halkaisija: Ø12,7 mm (Ø17.5mm kanssa putki) Max reiän halkaisija: Ø14.2mm (Ø18.3mm kanssa putki)	Min hull diameter nøkkel: Ø12.7mm (Ø17.5mm med rør) Maks hull diameter: Ø14.2mm (Ø18.3mm med rør)  Min hul diameter nøgle: Ø12.7mm (Ø17.5mm med rør) Max hul diameter: Ø14.2mm (Ø18.3mm med rør)	Min Lochdurchmesser der Schlüssel: Ø12,7 mm (Ø17,5 mm mit hülse) Max Lochdurchmesser: Ø14,2 mm (Ø18,3 mm mit hülse)
2. 	Låset monteras med 3 skruvar, M6 x 30 eller motsvarande  Lukko asennetaan kolmella ruuvilla, M3 x 30 mm tai vastaavilla	Låset monteres med 3 skrue, M6 x 30 mm eller tilvarande.  Låsen monteres med 3 skrue, M6 x 30mm eller tilsvarende.	Das Schloß ist mit 3 Schrauben M6 x 30 mm oder ähnlichen montiert.
3. 	Låset kan monteras antingen horisontellt eller vertikalt.  Lukko voidaan asentaa joko vaakasuoraan tai pystysuoraan.	Låset kan monteres enten horisontalt eller vertikalt.  Låset kan monteres enten horisontalt eller vertikalt.	Das Schloß kann in alle 4 Einbaurichtungen montiert werden.
4. 	Regeln får belastas med max 8N i rörelseriktningen.  Telkkiä voidaan kuormittaa enintään 8N liikesuuntaan.	Reilen tillates belastes med maks 8N i bevegelsesretningen.  Riglen må belastes med max 8N i bevægelsesretning.	Der Riegel darf mit maximal 8 N von vorne belastet werden.
5.  6490, 6890 6560, 6570, 6580	Regeln får ej belastas från ovansidan  Telkkiä ei saa rasittaa yläpuolelta.	Reilen må ikke belastes fra oversiden.  Riglen må ikke belastes på oversiden.	Der Riegel darf nicht von oben belastet werden.
6. 	Låset får ej smörjas om ej annat meddelas.  Lukkoa ei saa rasittaa yläpuolelta.	Låsen må ikke smøres om ikke annat meddeles.  Låsen må kun smøres med anbefalet smøremiddel.	Das Schloß muß und sollte nicht geschmiert/geölt werden, sofern auf dem schloß selbst nichts gegenteiliges vermerkt ist.
7. 	Låset måste skyddas mot svetsstänk, färg, etc.  Lukko on suojattava hitauroiskielta, maalilta ym.	Låsen må beskyttes mot svelsegnister, maling, etc.  Låsen skal beskyttes mod svejsestænk, farve, etc.	Das Schloß muß vor staub, metallspäne, farben und lacken, etc. geschützt sein.
	<b>Nyckelrör Avainputki</b>	<b>Nøkkelerør Nøglerør</b>	<b>Schlüsselführungshülse</b>
1. 	Röret måste monteras vinkelrätt mot låset. Röret kapas 5mm längre än dörrtjockleken.  Putki on asennettava kohtisuoraan lukkoa vastaan. Putki on leikattu 5mm pidempi kuin oven paksuus.	Røret må monteres vinkelrett på låsen. Røret er kuttet 5mm lengre enn døra tykkelse  Røret skal monteres vinkelret mod låsen. Røret skæres 5mm længere end døren tykkelse.	Die Führungshülse muß senkrecht zum schloß montiert werden. Die Röhre ist 5mm länger als die Tür Dicke.
2. 	Eventuella grader etter kappingen måste noggrant avlägsnas.  Mahdolliset katkaisussa syntyneet jäysteet on tarkoin poistettava.	Eventuelle grader etter kappingen må fjernes nøye.  Eventuella ujevnheder/grader skal fjernes omhyggeligt.	Die Enden/Kanten der führungshülse dürfen keine scharfen ecken haben.