# **mei**

**OEM Bulletin** 

 $\succ$  Cash box

Bulletin #:	OEM00205
Bulletin Date:	Dec 16, 2005
Subject:	SC66/83 Cash box Lock Document
Affected Model(s)	SC66XX & SC83XX Series Bill Acceptors

## **Summary:**

This document details the lock specifications for the SC66XX and SC83XX cash box.

# **Details:**

There are many different types of locks that will work on the SC series cash box. This document details cash box and lock constraints that must be taken into account when selecting a lock.

## 1.1 SC Cashbox Lock Specification

The cashbox may be fitted with either one or two security locks. The product is designed to accept locks from a range of manufacturers including but not limited to: -

Medeco Kaba Abloy VSR Miwa Duo ILCO

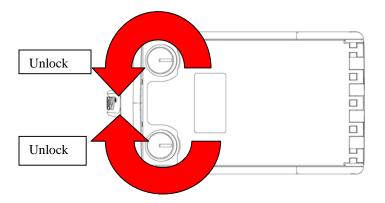
Standard 5/8" and 1&1/8" (15.878 mm and 28.575 mm) cam locks are supported. There is a significant variety of lock designs and spacer washers may be required for some lock types. The MEI drawing <u>252050011</u> shows the critical mechanical dimensions for the locks. A special hasp is required on the SC cash box. The hasp dictates what type of cam lock can be used. The standard hasp is MEI part # <u>252035002</u>. A hasp with a larger locking hole is also available MEI part # <u>252036076</u>. Use hyperlinks to view dimensional drawings of the hasp. Lists of constraints that limit cam lock selection are shown in the following table.

Constraint	Comments	Measurements(in / mm or degrees)	
Max. lock body length	Without spacers	1.551in, 39.384mm	
Cam fitting hole (standard)	Round	.2921in, 7.42mm diameter	
Cam fitting hole ( larger )	Square	8.85mm X 8.85mm , 0.348in X	
		0.348in	
Max. lock body diameter		.768in, 19.5mm	
Cam rotation		90 Degrees	
Flat width	2 Flats	.640in, 16.25mm	

Locks vary greatly in price, security, keying policies etc. The customer is responsible for selecting a lock with performance that is fit for the intended purpose. MEI does not test or endorse any specific brand of lock for security characteristics. For applications not requiring a lock, a non-locking latch is available: MEI Part Number 252260001P1 NLC CASHBOX LATCH.

## 1.1.1 Lock Rotation Direction

When two locks are installed they must rotate in opposite directions. See the figure below.



### 1.1.2 Lock Installation

The following figures show a SC cash box with installed cam lock and hasp. In figures 8 and 9, you can see the diversity of locks that can be used on the SC cash box.



Figure 9

Figure 10

Figure 10 shows the two lock body lengths that can be used in the cam lock selection. Here we have two locks with body lengths of 5/8in and 1 & 1/8in (15.878 mm and 28.575 mm).

#### **1.1.3 Lock Manufactures**

Locks vary greatly in price, security, keying policies etc. The customer is responsible for selecting a lock with performance that is fit for the intended purpose. See table 1 to view specific brands of locks that where installed on the SC cash box.

Lock Mfg.	Mfg. Part No.	Comments	Contact	Results
Ilco	F35800 &	Offers a wide variety	http://www.kaba-	Installed 5/8in lock
DOM	F45800 Series	of locks. Have locks of the correct body length however modification to the hasp is	ilco.com http://www.domsecurity. com/i1-camlocks.htm	successfully. Not recommended due to hasp requirements. See comments.
Medeco	60 W 1450 T- 229 – XX	required. XX – Medeco produces locks of various types of metals (satin chrome 26, satin Brass 06, polished chrome 25, and polished brass 05)	http://www.medeco.com/ P.O. Box 3075 3625 Allegheny Drive Salem, Virginia 24153- 0330 Phone: 1-800-839-3157 Fax: 1-800-421-6615 customer- service@medeco.com	Installed 5/8in and 1&1/8in lock successfully.
Abloy	AB3377E	Abloy uses an unique disk locking principle which they claim makes the lock pick proof. They also state that their locks are less likely to malfunction and resistant to the elements.	http://www.abloyusa.co m/camlocks.htm	Installed 5/8in lock successfully.
CAMLOCK SYSTEMS	R9751	Used barrel key cam lock.	http://www.camlock.com /ext_prod_camlocks.sht ml	Installed 5/8in lock successfully.
Illinois Lock Co.	C650S, C650L, C625	Weather resistant	http://www.illinoislock.c om/	Makes locks of the correct hasp sizes.

