Miles Nelson®
Commercial Hardware

INSTALLATION INSTRUCTIONS FOR
SERIES MNC5000 MORTICE LOCK

Important: Before you start – Read this. Ensure correct handing of lock is set and functions identified before drilling commences.
The Series 5000 Mortice Lock is a multiple function
Locking hardware capable of adjustment to suit different security functions once installed correctly.

HANDING of a Lock
NOTE: Handing or function of lock can be conducted without the need to open the case. Opening the case may result in operating failure.

HANDING OF DOOR ACCORDING TO BRITISH STANDARDS			
RIGHT HAND DOOR		LEFT HAND DOOR	
INSIDE		INSIDE	
OUTSIDE		OUTSIDE	
INWARD OPENING	OUTWARD OPENING	INWARD OPENING	OUTWARD OPENING
LATCH POSITION WITH THIS SIDE LOCKED			

The latching bolt can be revolved to suit the door swing direction & latch striking before the cover face plate is installed. Refer Fig.1.

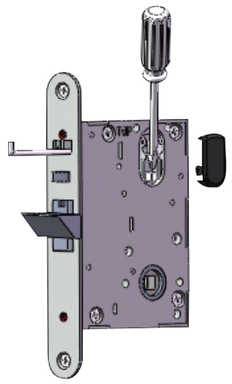

Fig. 1

DOOR HANDLE LOCK STATUS – if applicable
Using a screw driver remove the plastic cover panel on the side requiring a lock cylinder (Fig.1). Ensure the locking bar is lifted from the locked position to show indicator (refer Fig.2).
NOTE: Leaving the plastic cover over cylinder holes not being used will assist the lock to resist foreign material into its mechanism e.g. wood splinters from mortising.
The following illustrations show representation of the adjusting handing piece in its position ready for handing.

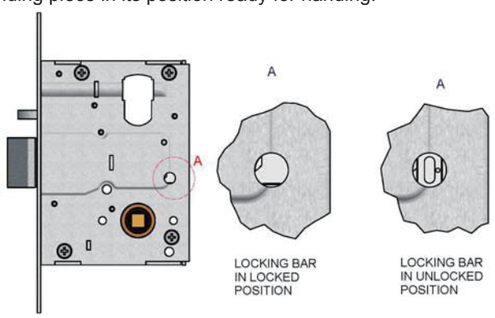

Fig.2 - Locking Bar

HANDING PIECE
Using a screw driver through the cylinder hole opening, the locking bar can be lifted to test & become ready for adjustment.
Locating a small screw driver in the handing piece cam slot, apply a small depressing force then proceed to turn the cam through 180 degrees either clockwise or anti-clockwise dependant on side adjusted. Releasing the depression force the cam should return to its slotted position.

The following Fig. 3 &4 are examples of how the indicators will look to provide function (NOTE position of dot):

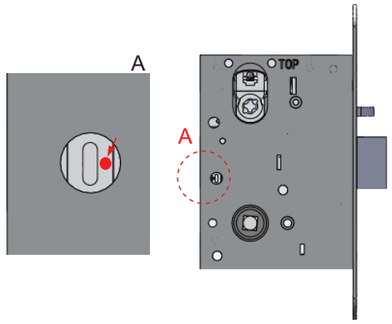

Fig. 3

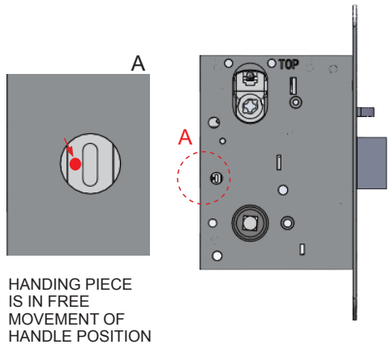

Fig. 4

A general rule is when the dot is facing the latch, this side will lock and the handle fitted will be lockable when the locking bar is down. When the dot is facing the back of the lock, the handle fitted to that side will move freely when the locking bar is down.

PREPARING THE DOOR FOR THE LOCK
Using the template provided on the reverse side of this instruction as a guide:
1. Identify the required height for your lockset latch point from the floor and mark the centerline of the door thickness.
2. Mark the required backset depth
3. Mark, drill & chase out the mortice cavity. Clean out cavity before inserting lock.
4. Inserting & using the lock in the mortice, scribe the front plate to identify the face plate profile. After removing the lock the marked area can be chiseled to remove material to a depth of 4mm. Cover plate must finish flush with the edge of the door.
5. With the lock removed from the morticed hole, use the template and fold at the required backset. Align the bottom edge of recessed face plate slot then wrap template over door. Establish the holes required and mark positions ready for drilling.

NB: ensure the correct hole spacing and spacing to suit furniture makers requirements and function as needed.

The gap between door and frame shall be 3 mm ± 1 mm.

Mark both sides of door. Drill from each side & not through to reduce misalignment & damage to door caused by drill breakthrough.

TURN KNOBS & ADAPTORS INSTALLATION
If your installation does not require a keyless unlocking function then proceed to the next feature.
Identify the orientation of the Mortice lock & the locking functions required i.e. what side will need to be locked by the keyed cylinder and the side for manual turn knob. The turn knob side will need to have installed a turn knob adaptor.
1. Install the adaptor and carry out steps 2 & 3 prior to fitting the mortice lock into the mortice cavity.
2. Ensure the adaptor butterfly lever is fitted between the yoke lever points on the snib. Locking bar should be lifted to the unlocked position before installation commences. This should be tested by activating the lift of the locking snib bar.
3. Guide retainer pin through lock & then turn adaptor. A hockey stick Retainer pin has been provided for your convenience.

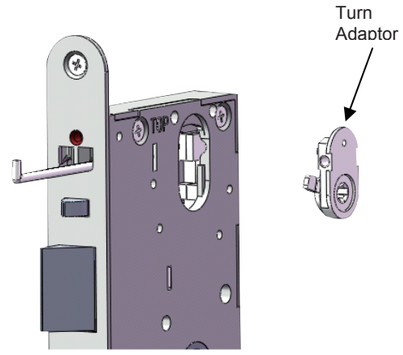

Fig. 5

Turn knob connecting bars should be fitted and cut to length prior to assembly of the opposing keyed cylinder. The connecting bar is generally in the vertical position when unlocked.

CYLINDER INSTALLATION
Prior to installing the cylinder the plastic cover must be removed from the mortice using a flat screw driver (fig. 1).

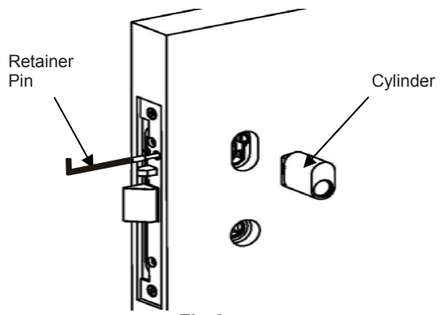

Fig.6

1. After the mortice lock is secured, ensure the opening for the cylinder in the door face is clear & in line with the mortice lock.
2. When fitting the cylinder make sure it is seated well in the Mortice Lock case.
3. Guide retainer pin through lock & then cylinder.
4. The head of the retainer pin must be level with the lock face or under the surface. This is to allow the cover plate a flat surface for fixing and also serves to retain this pin when installed.
5. Fix mortice face cover plate with two securing screws.

SPINDLES
If your installation does not require door handles then proceed to the next feature.
Ensure the spindle has the spring attached prior to installation (fig.7). The lock is supplied with a spindle to suit the drive. As required assemble the handle hardware ensuring the spring applies pressure engaging the square drive in the hub. Installation of the spindle is conducted after the mortice lock is installed into the door. Assemble furniture as required.

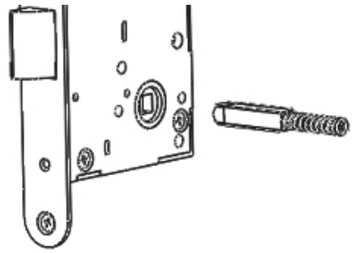

Fig. 7

MOUNTING THE STRIKE PLATE and BOX
1. Either using the centre line of the mortice latch or template centre lines marked, transfer this detail to the jamb while the door is closed.
2. Using the strike plate scribe the outline of the plate on the door jamb. Check position with respect to the jamb step.
3. Position the strike box centrally over the marked location ready for mortising to a depth of 16mm.
4. Screw strike plate and strike box to door jamb with wood screws provided.

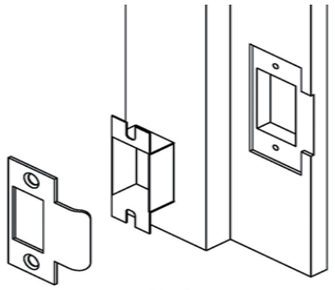

Fig.8

PRODUCT GUARANTEE:
Miles Nelson Manufacturing Ltd guarantees its products against defects in workmanship and materials. Should the product develop fault within it normal working life, Miles Nelson will repair or replace product of the same or equivalent product free of charge.
Miles Nelson Manufacturing Ltd assumes no liability under this guarantee for the following:
1. **Incorrect installation or failure to follow these instructions.**
2. **Failure through improper maintenance or fair wear and tear.**
3. **Loss or damage costs incurred either indirect or consequential.**
4. **Cost of removal, replacement and/or traveling time**
5. **Any modification to the product from its original supplied operation design.**
6. **Plated finishes deterioration under some climatic conditions or chemical environment are exempt from this guarantee.**

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Product specification and design improvement may change as a result of our continued commitment to quality, materials & development program.

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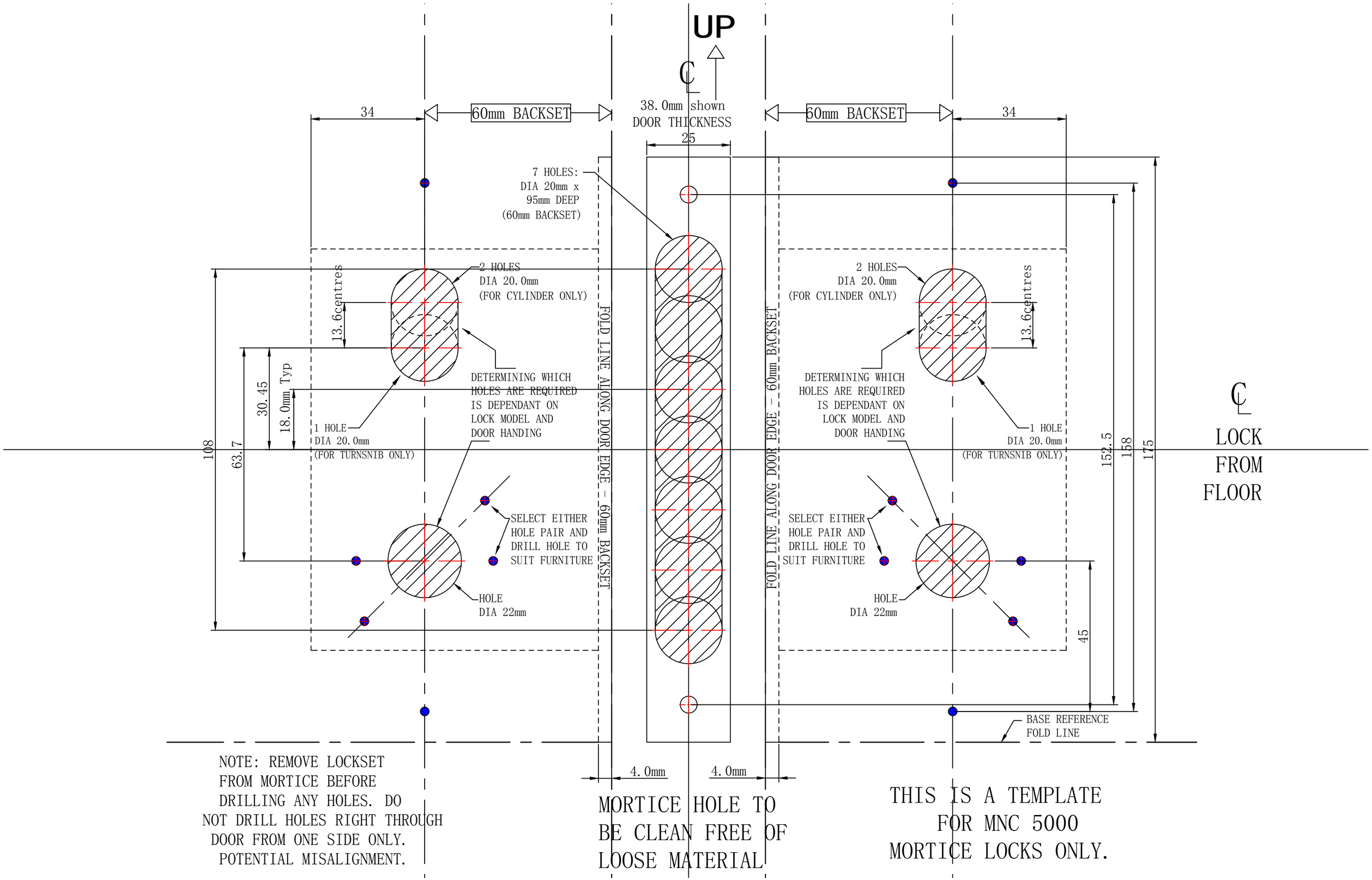

NOTE: REMOVE LOCKSET FROM MORTICE BEFORE DRILLING ANY HOLES. DO NOT DRILL HOLES RIGHT THROUGH DOOR FROM ONE SIDE ONLY. POTENTIAL MISALIGNMENT.

MORTICE HOLE TO BE CLEAN FREE OF LOOSE MATERIAL

THIS IS A TEMPLATE FOR MNC 5000 MORTICE LOCKS ONLY.