

# NS 80 - 10 Lever Rim Automatic Deadlock

## FITTING INSTRUCTIONS

The NS80 rim automatic deadlock is particularly designed for narrow stile doors opening inwards either as an original fitting or a secure replacement for an existing nightlatch. The lock may also be fitted to suitable plain edge doors with normal stiles. It has a backset of 38mm (1½") and is suitable for plain edge doors opening inwards with a minimum stile width of 63mm (2½") and between 38mm (1½") and 57mm (2¼") thick.



**Approved to BS 3621  
for  
Thief Resistant Locks**

Before a lock is awarded this BSI "Kite-mark" it must withstand various specified physical attacks and meet other security requirements.

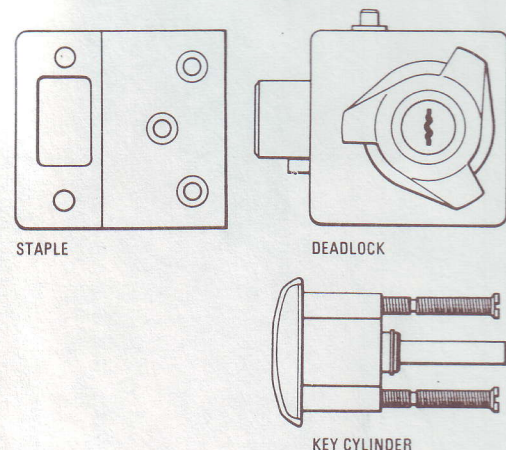
*Ensure you complete and send the Key Registration Card to Ingersoll Locks Limited and retain the guarantee/reference slip with your personal or house papers.*



**Ingersoll Locks Limited**  
Wood Street, Willenhall  
West Midlands WV13 1LA  
Tel: (0902) 366911

### CONTENTS OF BOX

DEADLOCK AND FIXING PLATE · STAPLE · KEY CYLINDER · FOUR CYLINDER CONNECTING SCREWS · ¾" AND ⅝" CYLINDER HOLE LINERS · THREE EXCLUSIVE INGERSOLL KEYS · TWO CASE FIXING SCREWS · WOOD SCREWS (2 x ½" No. 6 · 2 x 1" No. 8 · 3 x 1½" No. 10) · FITTING INSTRUCTIONS · CYLINDER AND DEADLOCK TEMPLATE · STAPLE TEMPLATE · KEY REGISTRATION CARD · GUARANTEE/REFERENCE SLIP

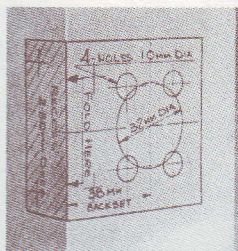


### FITTING

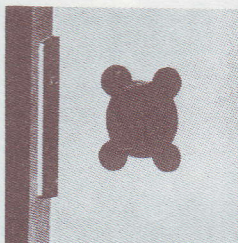
Read through these instructions carefully before you commence fitting the lock, they explain the correct sequence and ensure proper operation of the lock when fitted. If you are in any doubt about your ability to fit correctly we recommend that the lock be professionally fitted.

**NOTE:** To meet the requirements of BS 3621, hardened steel liners must be fitted to the inside portion of the cylinder hole in the door in accordance with fitting instruction number 3.

**NOTE:** The following instructions assume that the lock is fitted to doors hinged on the right and opening inwards. **FOR DOORS HINGED ON THE LEFT AND OPENING INWARDS**, the lock has, in effect, to be fitted upside-down. Please bear this in mind when fitting.

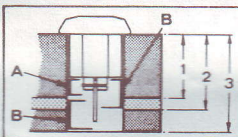


- 1 Use the template provided to mark the drilling and screw positions on the door.



- 2 Drill four holes 10mm dia. (⅜") through the door.  
Drill one hole 32mm dia. (1¼") through the door.  
Chisel a 2.5mm (⅜") deep recess in the edge of the door to house the lock forend and countersink the holes 8mm (⅝") dia. to clear the countersinks on the lock forend.

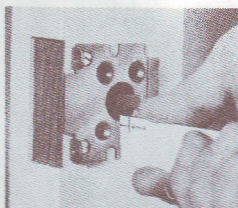
Drill two shallow holes 8mm (⅝") to clear the countersinks on the fixing plate and countersink the four 10mm dia. holes to ensure that the fixing plate will lie flat on the door.



- 3 A hardened steel liner is fitted to the inside portion of the cylinder hole in the door. This liner is designed to be a tight fit and has to be compressed to insert into the hole; it is

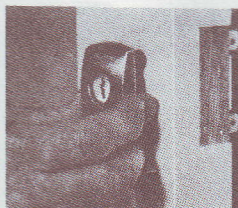
inserted from the inside of the door. Two liners are supplied and are used and positioned as shown:

- 1 Nominal door thickness 1½": use 9.5mm (⅜") liner (A).
- 2 Nominal door thickness 1¾": use 16mm (⅝") liner (B).
- 3 Nominal door thickness 2½" and over: use both 9.5mm (⅜") liner (A) and 16mm (⅝") liner (B).



- 4 Position the fixing plate so that its front edge is flush with the forend recess in the door and fix using the two ¾" x No. 6 wood screws provided. Make sure that the fixing plate is square with the door. Place the key cylinder fully home in its aperture from the

outside of the door. The connecting bar will project through the centre hole in the fixing plate. Mark the connecting bar at the point where it protrudes 6mm (¼") beyond the fixing plate. **NOTE:** If a doorpull is being fitted, it is placed between the door and the cylinder cover before marking the connecting bar. (see picture 11).



- 5 Remove cylinder and cut the connecting bar to length. Remove all burrs. Cut the four connecting screws to a length which is 12mm (½") shorter than the door thickness. Replace the cylinder with the word Ingersoll at the top and

secure the cylinder to the fixing plate with the four connecting screws.



6

Fit the lock by first engaging the connecting bar into the driving recess. Then tilt the lock and move it away from the edge of the door so that the lip at the rear of the case can engage with the raised portion at the rear of the fixing plate. Swing the forend down and

move the lock towards the edge of the door fully to engage the lip and position the forend in its recess.

7

Fix the two small screws in the lock case to engage with the fixing plate. Screw in firmly but do not over-tighten. Fit the two 1" x No. 8 wood screws in the lock forend. Test lock operation. (see Test Lock Operation) Withdraw bolt by means of the

knob and engage snib.

Close the door and extend two pencil lines from top and bottom of the lock case onto the door jamb.

8

Use the staple template between these lines to mark the door jamb and fixing screw holes.

9

There should be a space of 2-3mm between the deadlock forend and the staple when the door is closed. Recess the staple into the door jamb as necessary to provide this clearance.

10

Fix the staple into position using the three 1½" x No. 10 wood screws provided.

11

A doorpull, which fits behind the cylinder cover, is available from your stockist.

## REPLACING AN EXISTING CYLINDER LATCH

The NS 80 will replace an ordinary narrow stile nightlatch with certain modifications to the door. When replacing a nightlatch with 38mm (1½") backset the 32mm (1¼") hole in picture 2 will already be in the door, but it will be necessary to use a padsaw and chisel to:

- 1 Cut the 10 mm (⅜") grooves for lugs on the Ingersoll cylinder assembly as shown in picture 2.
- 2 Adjust as necessary, the recess in the front edge of the door or house the deadlock forend.

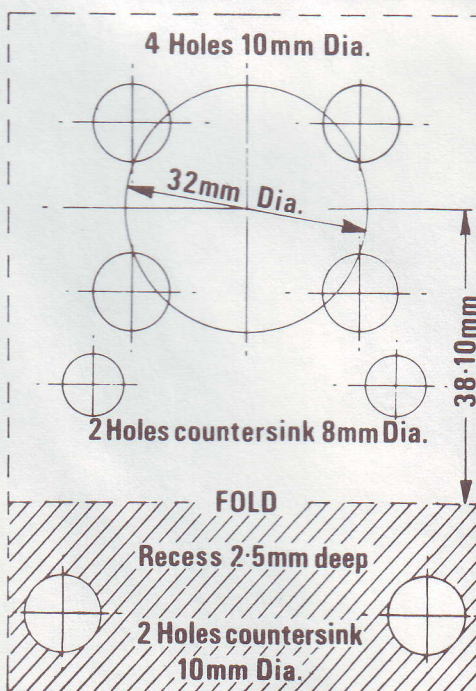
**NOTE:** If the existing hole has to be enlarged slightly to allow correct positioning of the NS 80 key cylinder, any hole showing outside the edge of the key cylinder can be covered by using a doorpull. (see picture 11).

## IMPORTANT:

Locking and unlocking the operating knob can be carried out only from inside the door. When leaving the house empty, turn the key in the knob and withdraw it before shutting the door. Do not lock the knob with any person inside the premises who has not a key or alternative means of exit. Always remember to unlock the knob when you have opened the door after returning to the premises. To lock the knob when the house is occupied, insert the key in the knob, turn 180° anticlockwise and remove with the door closed.

*In the interests of top security and product improvement Ingersoll Locks Limited reserve the right to modify specifications and prices as may be necessary without incurring any obligation.*

## NS 80 TEMPLATE - Trim to dotted rules



## KEY REGISTRATION

To obtain the benefit of Ingersoll Key Registration ensure the completed registration card is returned to Ingersoll Locks Limited without delay.



## TEST LOCK OPERATION

**NOTE:** Carry out tests with door open.

- 1 Check that deadbolt is retracted into lock case.
  - 2 Depress springbolt, which will automatically throw bolt.
  - 3 Use key in outside cylinder to withdraw deadbolt.
  - 4 Depress springbolt to throw deadbolt again, and this time withdraw by turning inside knob.
  - 5 Depress springbolt to throw deadlock and lock knob by inserting key into knob and turning 180° anticlockwise.
  - 6 Check that key still withdraws the deadbolt from outside of door.
  - 7 Check that handle is still locked.
  - 8 Unlock handle by inserting key and turning 180° clockwise.
  - 9 Check operation of stopwork catch which retains deadbolt in retracted position :
    - a Ensure deadbolt is withdrawn.
    - b Depress plunger on lock case.
    - c Depress springbolt to confirm that deadbolt does not now throw.
    - d Release stopwork by turning knob.
- 

## NOTICE TO TRADE FITTERS

Please ensure you pass this leaflet plus the key registration card to the owner of the lock and that you complete the section below for the owner's future reference.

FITTED BY

NAME .....

ADDRESS .....

DATE .....

