

## 1. Product information and appropriate application

- Hardware to unlock, slide, close and lock 2-part, 3-part and 4-part sliding doors providing multipoint locking with a single handle.
- The handle operated sliding doors and windows slide on a frame track by means of 2 roller assemblies.
- Locking of the sliding door by means of pivoting night hook and/or with 2 or more mushroom head bolts. All hardware elements are used in combination with the appropriate keeps which are mounted on the frame section.
- For simple applications the sliding window or sliding door can be closed and locked by a face fixed handle or concealed finger pull, provided with an locking hook or sliding button, in combination with the appropriate keeps.
- The gear is intended for sliding windows and sliding doors installed in a vertical plane.
- Special hardware is required for sliding doors with high security against burglary.
- When closing the window it may be necessary to overcome the resistance of a sealing gasket. Other forms of resistance or obstruction cannot be considered as normal use.
- The glass should be glazed in accordance with national standards and the general rules of professional skill.

## 2. Inappropriate application

- Sobinco cannot be held responsible for the malfunctioning of the sliding door systems if any non-Sobinco parts are used.
- All parts must be assembled in accordance with the instructions as described in the technical specifications.
- Under no circumstances is it permissible to drill through the lock, for example to make the fixing holes for the door handles.
- The square spindle of the door handle must not be forced into the lock.
- The sliding door or window should never be carried by the door handles when mounting into the frame.
- The operating gear should not be tampered with as it may affect the satisfactory operation of the sliding door. In addition obstructions placed within the door opening, which may damage the door, are not permissible.
- Incorrect application can also be defined as any gear modification which causes negative consequences or changes to the installation, the working and the functional character of the sliding door system.
- No additional lever systems or other tools should be used to operate the sliding door.



- The door handle, cylinder and lock should be operated with normal force. If an excessive operating force appears to be necessary, this could result in damage to the system. In this situation a window expert should be contacted to check for any causes that might be effecting the normal operation.
- The sliding door should not be closed with the night hooks or the mushroom head bolts in the locked position. To avoid this we recommend the use of a mishandling device preventing incorrect operation of the handle.
- Additional or excessive forces on the sliding door must be avoided.
- The handle should always be used to close a sliding door. Injury to hands may occur if the sash is gripped to close the sliding door.
- The door hardware is made of corrosion resistant materials, but fittings should not be installed in corrosive atmospheres.
- The surface treatment of vent and frame of aluminium windows and doors must take place before fitting of the gear, as this will affect the working of the fittings. Gear parts must not be treated when treating the vent and frame of timber windows. They must be protected during surface treatment.
- Small joint sealant used on mitres joints should be non corrosive to prevent possible damage to gear components.

### 3. Checking and maintenance of the product

- All safety aspects of the gear, more specifically fixings of lock, lock keeps, hook keeps and door handles, should be checked regularly.
- All gear adjustments, especially of the keeps and roller assemblies, the replacement of parts and installation and removing of the vents should be executed by a window expert.
- Maintenance should be carried out at suitable intervals relative to the amount of use and environmental conditions. See the following instructions:
  - Check the satisfactory operation of the components.
  - It is not necessary to lubricate the door systems.
  - Lock and cylinder are greased during manufacture and therefore no additional lubrication is necessary, unless indicated.
  - When necessary any dust and dirt must be removed from the components as this could affect the smooth operation of the system.
  - The system must not be cleaned with water and/or other cleaning products as this could affect the lubricants and the corrosion resistance of the gear.