



1. Product information and appropriate application

- Window hardware for 2-part, 3-part and 4-part tilt-slide doors by a single handle.
- All functions of the hardware are centrally controlled by the handle: unlocking, opening, tilting, sliding and locking of the vent. The doors slide on the track with 2 roller assemblies.
- Locking of the tilt-slide door by means of a perimeter locking system with several locking rollers. All hardware elements are used in combination with the appropriate keys which are mounted on the frame section.
- Stays are automatically operated by the handle. The window stays release the vent when opening and re-engage it automatically when closing. In addition the stays lock automatically in the locked position.
- The gear is intended for tilt-slide windows and doors installed in a vertical plane.
- 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 tilt-slide 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.
- The tilt-slide door or window should never be carried by the door handles when fitting the tilt-slide door into the frame.
- The operating gear should not be tampered with as it may affect the satisfactory operation of the tilt-slide 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 tilt-slide door system.
- No additional lever systems or other tools should be used to operate the tilt-slide door.
- The door handle and cylinder 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.
- Additional or excessive forces on the tilt-slide door must be avoided.



- Tilt-slide doors should be closed and locked in the event of strong winds and drafts.
- The handle should always be used to close a tilt-slide 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 roller assemblies, tracks, window stays, wedges and door handle, should be checked regularly.
- All gear adjustments, especially the vertical adjustment of the roller assemblies, the locking points and the buffer, the replacement of parts and installation and removing of the vents should be executed by a window expert.
- However, 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.
 - Lubricate the locking points with a light oil or grease.
 - Corner transmissions, handle and roller assemblies are greased during manufacture and therefore no additional lubrication is necessary.
 - 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.