

NORWEGIAN STORMGUARD

CODE: ND



1. CLOSED POSITION

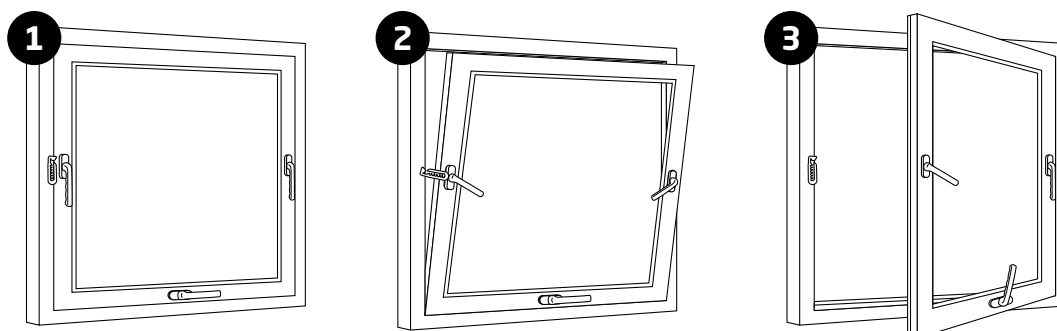
Check that all handles are set in the locked position.

2. TILT OPERATION

The tilt/ventilation position is simply opened by opening the two handles located on the jambs of the sash. This allows for safe ventilation to be provided into the property without having to open the sash fully.

3. TURN OPERATION

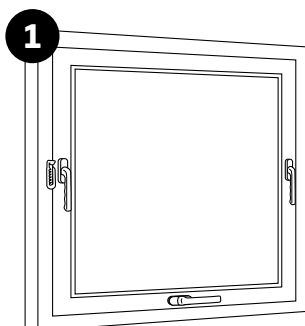
The turn option on the window opens into the room to a restricted angle of 60,5°; this in turn creates adequate room for cleaning of the external glazing from safely inside the property. On the hinge side of the sash, the window is fitted with a metal strike plate which ensures that the handle on the hinge side does not clash and damage the timber frame.



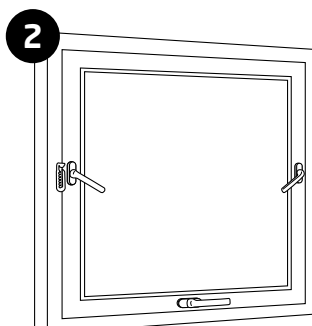
All three-handle tilt and turn window $\geq 1788\text{mm}$ in width: an extra handle / locking point will be fitted as standard to the centre of the top rail of the sash.

Tilt/ventilation position

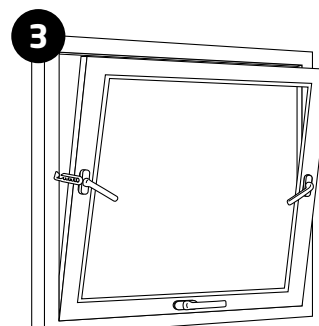
For improved comfort/safety, always engage the vent stay/restrictor when the window is in the ventilation position, this is located on the frame.



Check that all the handles are fully closed



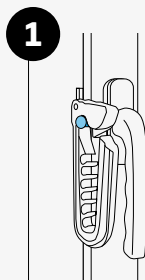
Open the upper two handles only



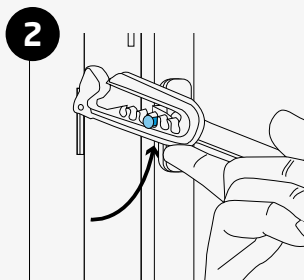
Pull window inwards, leaving the upper handles open

Restricting the sash

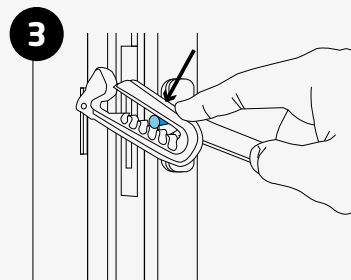
The ventilation restrictor can be positioned on the side or the bottom of the window frame, next to the sash. It is used to restrict the sash in the ventilation position.



Check that all the handles are fully closed



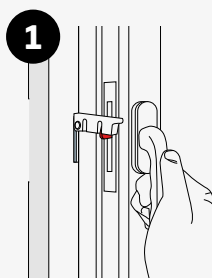
Open the upper two handles only



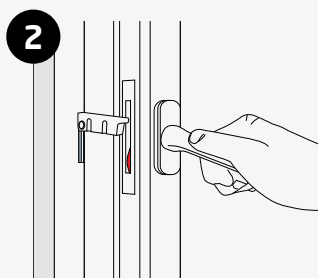
Pull window inwards, leaving the upper handles open

Optional

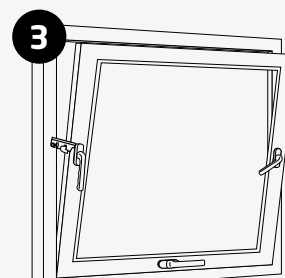
Optional chrome vent stay for restriction in the turn/ventilation position



Lift the vent stay up and move the handle to engage either the two fixed positions or at the end



To close, disengage the handle from the vent stay and push the sash back into the frame



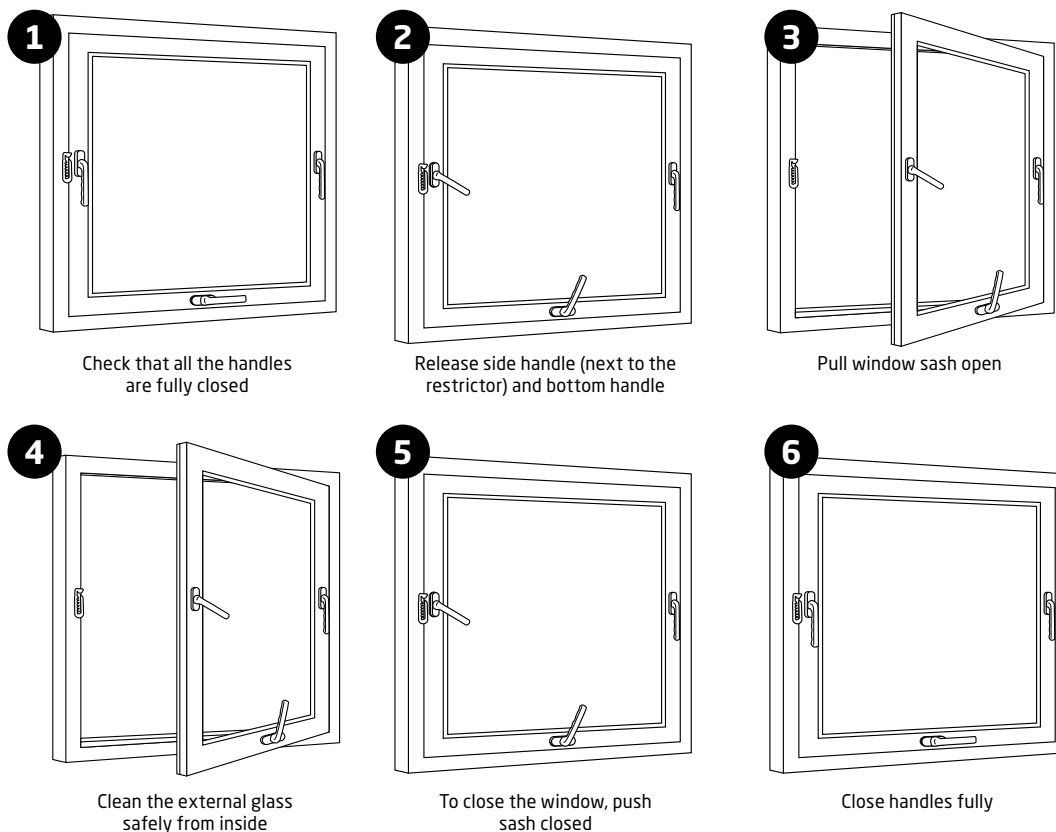
Close the two upper handles fully



NOT all ventilation stay positions are possible on certain window height.

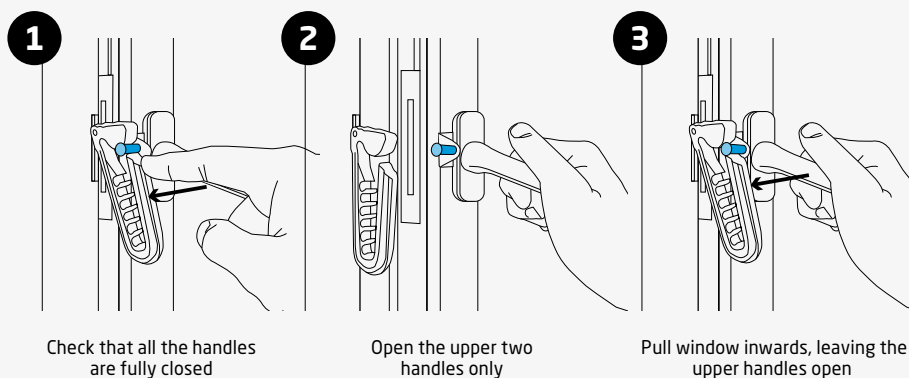
Cleaning position

When cleaning, ensure that open windows are not left unattended and that the operation is carried out safely. Ensure that child safety restrictors are re-engaged (if applicable) when closing the window.



Cleaning restrictors

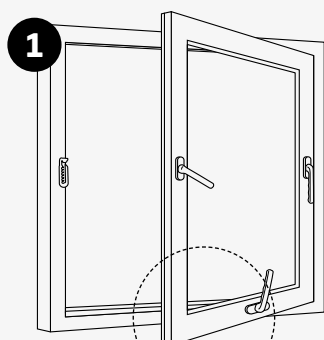
The restrictor needs to be detached from the window to allow access to the cleaning/turn position.



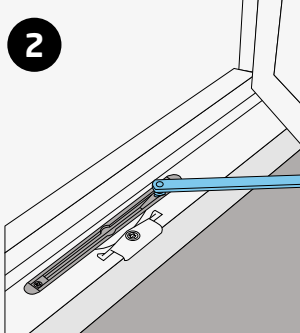
Cleaning Position - In the interest of safety, do not use the window in the turn/cleaning position for ventilation purposes.

Friction stay

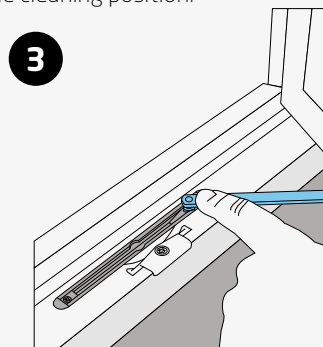
The optional factory fitted friction stay for inward opening windows only as an additional safety device to restrict the movement of the sash when open in the cleaning position.



The wind-brake restrictor is found at the bottom of the frame when window is open in cleaning position.



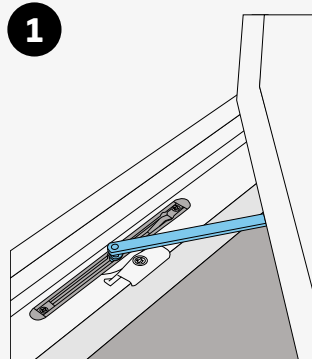
The wind-brake automatically holds the sash in place when the window is fully open.



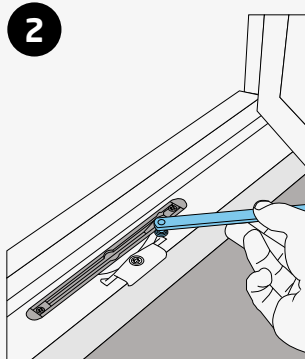
To unlock restrictor after cleaning, press down on the stay at the place it engages then close the window.

Disengaging

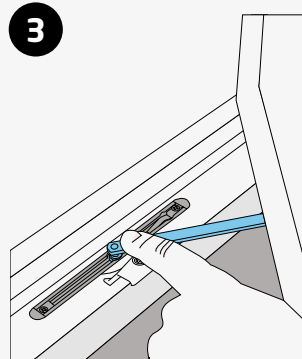
The friction stay restrictor can be disengaged so the window can be opened fully for maintenance purposes.



Open the window and ensure the restrictor arm is aligned centrally with the restrictor stay.



Lift the restrictor arm so that it is fully removed from the restrictor stay.



To re-attach the restrictor arm, push the lock back into the centre of the restrictor stay.



Approximate opening in the turn/cleaning position is 60.5° this is more than adequate to clean both sides of the window safely from the inside.

Alternate ironmongery

- A removable handle fitted to the bottom rail; this restricts the sash to tilt only.
- A removable handle fitted to the opening side vertically (opposite hinge side) will lock the window inoperable.

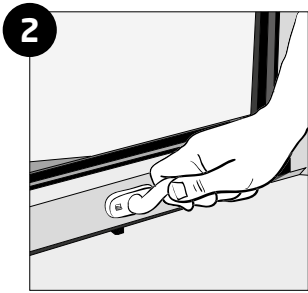
Locking handles with keys and additional restrictor stays are available to order. (Part numbers available on request through NorDan Solutions or NorDan Customer Services Department)

Removing the sash

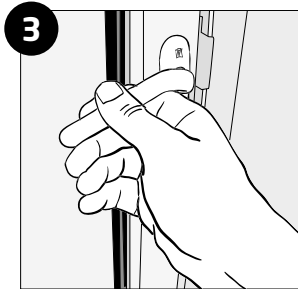
The ND StormGuard window also has a safety feature built in where the sash can be removed to carry out maintenance or reduce the overall weight of the whole product when installing on site. The sash can be removed by bringing the window into the turn position, engaging the bottom handle and then disengaging the remaining side handle.



Open the window into the side hung cleaning position (using the side handle on the "opening" side and the bottom handle)



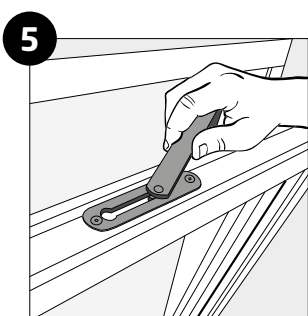
Close the bottom handle with the sash in the open position.



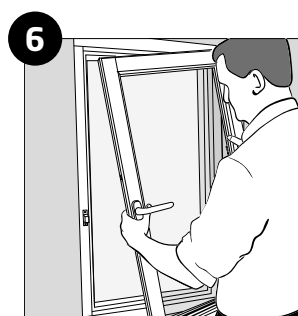
Open the side handle on the 'hinged' side.



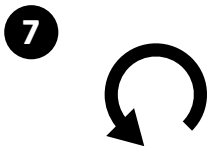
Tilt the sash inwards by approximately 30° then lift it up and away from the ball fitting located at the bottom of the 'hinged' side.



Disengage the stay on the top rail of the sash, by sliding the sash to the hinge side of the window.



Store the sash safely to one side.



To re-install the sash, follow the procedure in reverse

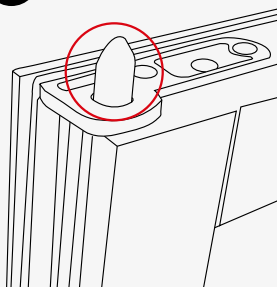


Please ensure that at least two competent people are available to remove a window sash safely.

Maintenance

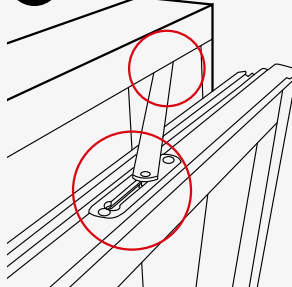
Ensure the window is maintained regularly, following the standard guidelines. Inspect the product once per year

1



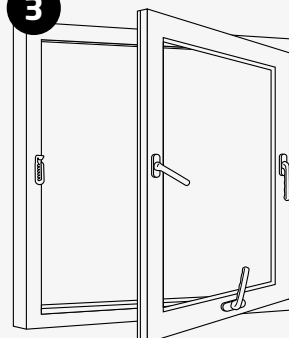
Open the window to the ventilation position and push down the two side handles to reveal the locking bullets at the head of the sash. Apply recommended lubricant on these, any excess must be wiped off immediately.

2



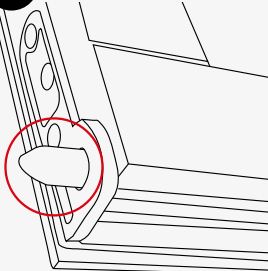
With the window still in the ventilation position, apply recommended lubricant at the restrictor stay, any excess must be wiped off immediately.

3



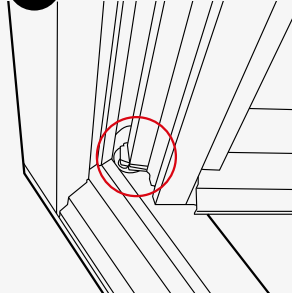
Return the sash to the closed position then open to the cleaning position.

4



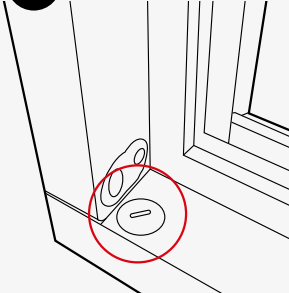
Lower the bottom handle to reveal the locking bullet at the end of the sash, apply recommended lubricant to this, any excess must be wiped off immediately

5



Apply recommended lubricant on the ball /socket at the 'hinged' corner, any excess must be wiped off immediately. Check product opens and closes easily and return window to the closed position

6



An adjustment screw is located in the bottom of the frame should the need arise to ease the sash in place after installation settlement.

MAINTAINING YOUR NORDAN WINDOW COULDN'T BE SIMPLER. ALL THAT IS REQUIRED IS TO CHECK THEM CAREFULLY A MINIMUM OF ONCE A YEAR FOR THE FOLLOWING SIGNS:

- Look for and remove any airborne debris that might be trapped in between the frame and the sash. To do this open the window in the cleaning position
- Wipe or brush clean all surfaces and check the weather seal is clean, dry, continuous, and undamaged. Never get any paint on the weather seal/gasket. As this will reduce the windows performance
- Check that the handles move freely and smoothly. If they are stiff, carefully use a recommended lubricant on the locking mechanism/bolts while in their extended position.
- Check the glass does not have any water vapour inside of the sealed unit, or that the glass is damaged.
- Check all timber surfaces for damage and note if the finishing (paint etc) requires refreshing.
- Check all handles and ventilator controls are not loose, if they are then tightened with the appropriate torx screwdriver
 - T15 – ventilators
 - T20 – Handles
- Tighten enough so that the handles and controls work freely without being too loose. Do not over-tighten.



If in any doubt or if you require assistance with any maintenance queries call your nearest sales or customer services office, as noted on the back of this brochure.