

Technical Memo No. 115

New 405-451M Interlock to Replace 405-451 Interlock

Revised Sliding Window Interlock

Not to scale

The team at Lidco are constantly looking at improving our range of window and door framing systems as well as simplifying the manufacturing process for our fabricators.

The standard interlock for the Pinnacle™ Narrow Sash Sliding Window (740 System) has been updated with a revised profile. In some cases, when the plant-on frame (400-401, 400-403) is used as secondary glazing it is possible that there may be interference of the interlock fin with the outer window due to limited space between the windows.

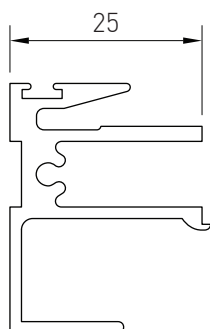
The new interlock profile does not have the stiffening fin. This change not only helps to improve the clearance when used in a secondary window but also helps to reduce machining time. It also provides the window with an attractive slim appearance.

Sliding windows with large panel sizes are still possible by using a combination of standard interlock (405-451M) and heavy duty interlock (405-455).

The 405-451M interlock is expected to be available September 2013.

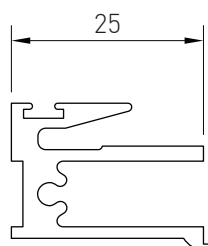
The Pinnacle™ Narrow Sash Sliding Window Specifier Guide has been updated and is now available on the Lidco web site.

Old Section



405-451
Interlock - Sliding Window
 $I_{xx} = 18.75 \times 10^3 \text{ mm}^4$

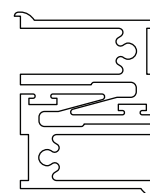
New Section



405-451M
Interlock - Sliding Window
 $I_{xx} = 5.65 \times 10^3 \text{ mm}^4$

Interlock - Type 1

$I_{xx} = 11.30 \times 10^3 \text{ mm}^4$

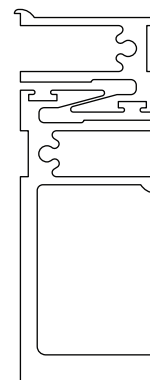


405-451M
Interlock

405-451M
Interlock

Interlock - Type 2

$I_{xx} = 156.32 \times 10^3 \text{ mm}^4$



405-451M
Interlock

405-455
Heavy Duty
Interlock