

SIMPLEX SYSTEM.


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Simplex kits (full kits of parts)

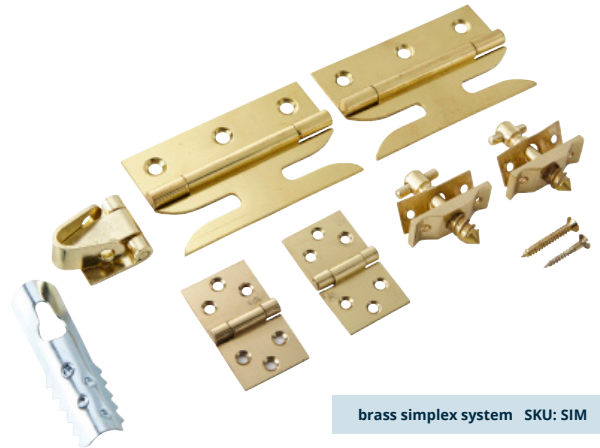
Our Simplex System is part of our extensive sash furniture range and specifically designed for traditional 'Scottish' sash window systems. In these types of windows, the lower sash can be hinged open which aids external cleaning and allows easy egress. The upper sash is normally fixed. On lower floor windows, or windows with access to a fire escape, the bottom sash can be hinged open for egress.

Parts can be purchased individually or as part of a complete kit. Our Simplex kit is easy to use and available in three finishes to match any room decor: Polished Brass, Polished Chrome and Satin Chrome.

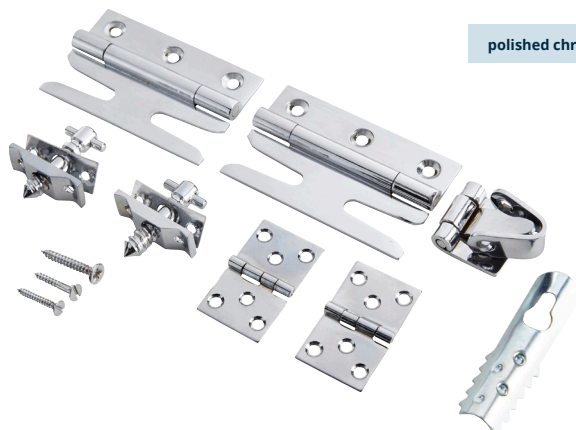
This product is designed for use with 6mm dia sash cord, for 7mm & 8mm cord, see footnote*

Features:

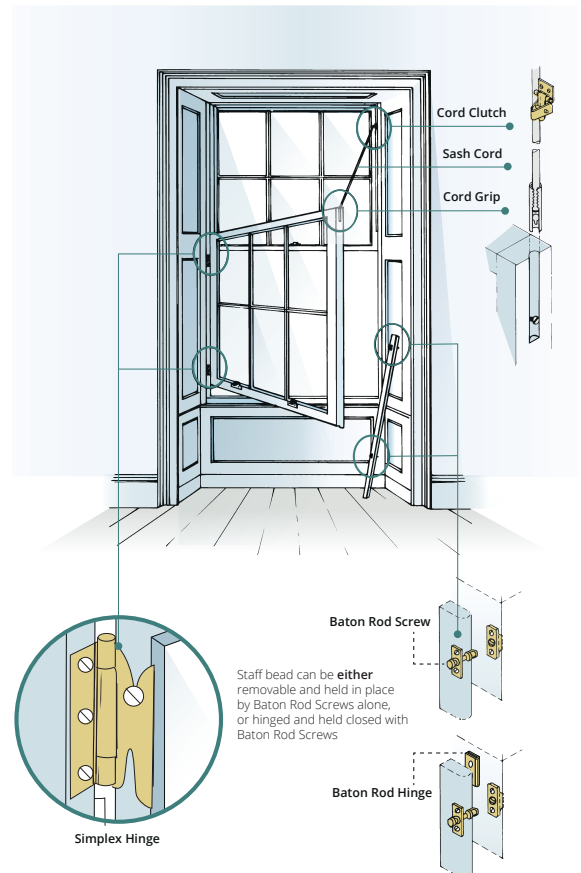
- Simplex System allows the bottom sash to be hinged open, for cleaning and exiting in an emergency
- One pack is the equivalent of a set, containing Baton Screw Rod, Cord Clutch, Cord Gripper, Simplex Hinges and Baton Rod Hinge. All are manufactured from Brass.
- Cord Plug (which is not included in set) is also available for gripping the cord to the sash as an alternative to the Cord Gripper.
- Simplex System works with our range of Staff and Parting Beads.
- Available in Polished Brass, Polished Chrome and Satin Chrome.



brass simplex system SKU: SIM



polished chrome simplex SKU: SIMCH



Components



Cordclutch x 1



Baton Hinges x 1 pair



Slotted Hinges x 1 pair



Cord Grip x 1



Baton Rod Screws x 1 pair

Technical data:

Sand cast from common casting grade Brass.

Lacquered brass is coated with a clear Polyurethane lacquer and baked in an oven to cure. Polished Chrome & Satin Chrome are Chrome plated over a nickel electroplated layer. Satin Nickel finish is nickel electroplated and then lacquered.

Warranty Period:

10 years, provided the Simplex System is installed in accordance with the requirements given in the data sheet.

Maintenance and Installation

General:

We recommend that all fasteners and handles are checked prior to fitting and also once fitted, to ensure they are performing in application. Refurbishment or renovation projects where there are large amounts of plaster or cement based floors can cause water evaporation. This leads to high humidity levels and when combined with chemicals used on site, this can corrode exposed brass and damage the finish. For this reason, we highly recommend all fasteners and handles are installed after this kind of work has been completed.

It's also worth noting that certain woods such as Accoya or Oak are corrosive to brass fasteners and other fixings as they produce resins. Products with this type of finish should not be used with Accoya as it may lead to loss of functionality. Please contact Mighton if you have any further questions regarding this.

Installation:

All screws supplied with our products are manufactured from brass. Brass is a soft metal and therefore we always recommend drilling a pilot hole and hand screwing the screws into wood. Using a mechanically assisted screwdriver or drill may damage the screw or the screw coating. Rubbing the screw shaft with beeswax before fixing can help. You should always use the brass screws provided to prevent a reaction occurring between different metals, leading to corrosion.

*** For 7/8mm sash cord, please substitute the cordclutch for our heavy duty cordclutch (Sku HDCC - Brass or Sku HDCCCH - Chrome). Sold separately.**

Installation Instructions

1. Lever out the right-hand Staff Bead, on the internal side of the window.
2. On the bottom sash, mark where the cord finishes. Detach the cord from the bottom sash on the right-hand side and hold onto it so that it doesn't slip through.
3. Thread the Cord Clutch and Cord Security Guide onto the cord, knotting it afterwards to secure it.
4. Now detach the Staff Bead on the left-hand side, ensuring the bottom sash doesn't fall out.
5. Attach the Simplex Hinges to the side jamb - they should hinge to a 90° position to the front face of the bottom sash. The first hinge should go towards the top of the sash, the second hinge towards the bottom.
6. The 'H section' of the Simplex Hinge should hinge onto the bottom sash, 100mm up from the centre, of both hinges. Fix the Simplex Hinge Screw to the sash, ensuring it is correctly positioned so that the hinge can slot into it. Do the same for the second hinge.
7. Slide the sash up so that both hinges sit on top of the screws. Check whether the bottom sash can be swung back and return it to its original position.
8. Attach the staff bead back onto the left-hand side of the sash and screw the Cord Clutch to the side jamb, directly below the pulley.
9. Undo the knot in the cord, again taking care that it does not retract into the pulley lining.
10. Attach the Cord Security Guide to the top of the cord groove on the bottom sash. Use some pliers to squeeze the Cord Gripper around the cord as tight as possible.
11. Re-attach to the bottom sash with a screw. Make sure the cord finishes at the mark made earlier on the bottom sash.
12. For the right-hand side, attach the Baton Rod Hinge to the Staff Bead. Ensure the hinge is flush to the front and place 100mm from the top. Place the second at least 100mm from the bottom.
13. Line up the Staff Bead to put it back into the side jamb - mark the position and fix the two hinges to the jamb. Check that it can be hinged in and out properly and is secured in place.
14. On the Staff Bead, mark a position for the Baton Rod Screw. This is usually near to the top. Drill an 8mm hole through the staff bead and 10mm into the side jamb. Use this hole as a centre for the 2 plates.
15. Rout out a 14 x 35mm rectangular section in the side jamb. It should be 5mm deep. Place the brass head in the hole and hand screw into the frame.
16. Attach the Baton Rod screw through the hole and screw into the brass head, then fix the plate to the staff bead to hold in place. Test that the system works as it should and tweak where necessary.
17. Test that the system works and make any adjustments necessary.

Upgrade components

In addition to a kit and the components above, the following parts can be purchased as they are 'upgraded versions' of the above.



Boston Hinge BOS (sold singularly and replaces the Baton rod Screws)



Cord plug CORDPLUGPB, replaces the Cord Grip CG



Heavy Duty Cord Clutch HDCC – replaces the cord clutch and is used for heavy sashes

Product Guarantee

The Simplex System is guaranteed and covers product failure due to manufacturing defects under normal usage is a period of 10 years from date of purchase. This excludes incorrect maintenance or operation, misuse and abuse, negligence, accidental damage or general wear and tear. Any modifications to products will invalidate guarantee. For more information, please see our terms and conditions on our website www.mightonproducts.com. All information provided in this document is correct to the best of our knowledge. There may be some variations in colour or size of products, due to the nature in which they are made. If you have any queries on the correct product for your project, please get in touch with us. Mighton reserves the right to amend specifications without prior notice.

Other Information

The information contained herein is correct to the best of our knowledge. Due to the hand finishing nature of some of our products, some variations may occur in the size or finish. Prior to purchasing it is recommended that existing standards and regulations are observed. If you have any queries on the correct product for application, please do not hesitate to contact our technical team. Due to our policy of continuous improvement, Mighton Products Ltd reserves the right to amend specifications without prior notice.