

Introduction

Fire rated Forster door types PFP60 and PFL60 are only available with proprietary Forster mortice locks.

This lock comes with two available functions; Standard (L+W) and Panic Exit (B). The lock function can be identified through marking on the faceplate:



Historically, these locks were handed Left or Right. From 2025, locks are ambidextrous and can be changed from LH to RH.

Both locks can take any standard Europrofile key cylinder. PFP60 doors are 50 mm thick, PFL60 doors are 65 mm thick and may require longer cylinders. Doors are typically shipped from the factory with a construction cylinder fitted. This allows for the door to be locked on site during the construction phase but it is not intended as a long-term solution. Permanent cylinders should be installed (by others) at the building commissioning stage.

Half-cylinders are possible if key access is required to one side only. This is a non-standard option and must be clearly specified at time of order if required. Having no key access at all is also a possible option.

Standard locks (L+W)

On these locks, the lever handle is lockable by key. Handles on both sides of the door will always be in the same state; either locked or unlocked.

Panic Exit locks (B)

These locks provide free egress from one side only, and at all times. The handle on the free egress side will always override the locked state of the door.

Older Panic Exit locks had free egress only available from the push (blank) face, new locks (2025 onwards) can be set up for panic exit / free egress from either side. Handing and panic exit direction should be clearly communicated to Pacific Doors Project Coordinators during the shop drawing phase and noted on the doorset order form / shop drawing. If no panic exit direction is noted, it will be assumed that free egress is to the push side as this is the most common use case. Changing direction on site is possible (refer Appendix A & B).

Push bars for panic egress are not an available option.

Door handles

The standard Forster lever handle is specifically designed for these doors and come with an offset for thumb protection. Alternative handles may be fitted on site by others but are not offered as a standard solution. Due to the slimline design of leaf and frame members, not all lever handles will be suitable. We strongly recommend using the standard handle for all applications.



Access control

Please note: this option is only available for single doorsets, not for pairs.

The only compliant option for access control is with the EffEff 143R fail-secure electric strike.

This can be used in conjunction with either mortice lock type. A common use case is a panic exit lock with free egress from the push side and swipe card access from the pull side. Key cylinders are optional but recommended if there are no other entry points into an area

For compliance, the doorset must remain latched during a fire. Using a fail-safe electric strike is therefore not a compliant option. This means that during a fire, free egress is only available in one direction. There are no alternative solutions that allow for free egress in both directions during a fire.

The doorset will require power and control to the strike location. Cable pathways should be carefully considered at the design stage.

Door closers

The only approved closer for these doors is the Dormakaba TS93B. This can either be leaf-mounted on the pull side or transom mounted on the push side of the doorset.

For pair doorsets, leaf mounting on the pull side is the only available option. These are fitted in conjunction with a transom mounted G-SR coordinator slide rail.

Pair doorsets

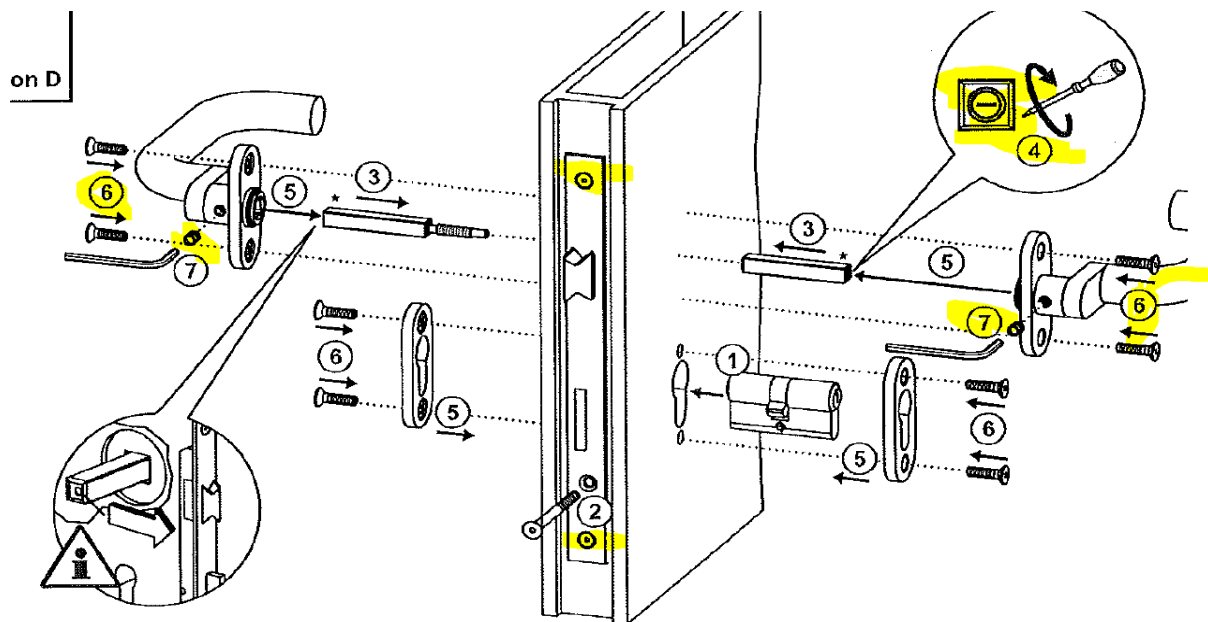
The inactive leaf of a pair doorset will come fitted with a Forster auto flush bolt to the top. This has a manual release accessible on the leaf edge.

All fire or smoke rated pair doorsets require a sequence selector track to be fitted with the door closers. Closer bodies should be leaf mounted to the pull side, with the track mounted on the frame head or transom.

Push-pull function with roller latch and push plates is not a compliant option for these doors. All fire rated Forster doors require a designated inactive leaf with an auto flush bolt fitted and a mortice lock to the active leaf.

Appendix

A. Uninstalling a panic exit lock



1. Remove handles on both sides by removing screws (6) and grub screws (7).
2. The spindle is in two parts, connected by a screw through the centre. You'll have to unwind this (4) with a size 2.5 long arm allen key and pull the spindle parts (3) out from each side of the leaf.



3. Undo cylinder screw (2) and remove key cylinder. Removing escutcheons should not be necessary.
4. Undo screws in lock faceplate and pull lock out of leaf.

B. Changing free egress side

The grub screw next to the spindle should be on the side of the lock that you want the handle override to work. To change sides, unscrew the grub screw (torx size 10) and move it to the other side.



In this picture, panic exit override is to pull side. To change, remove grub screw....

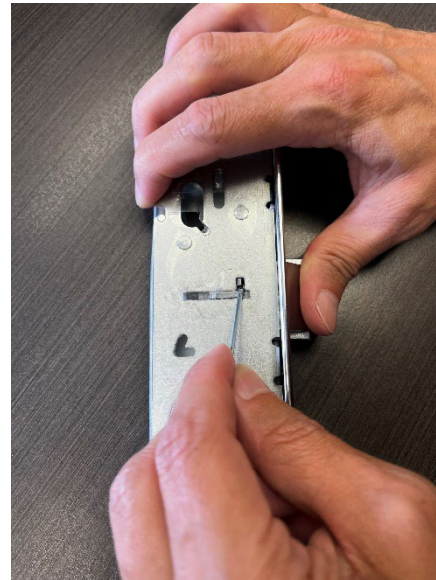


....and insert it on the other side of the lock. This picture shows the panic exit override to push side.

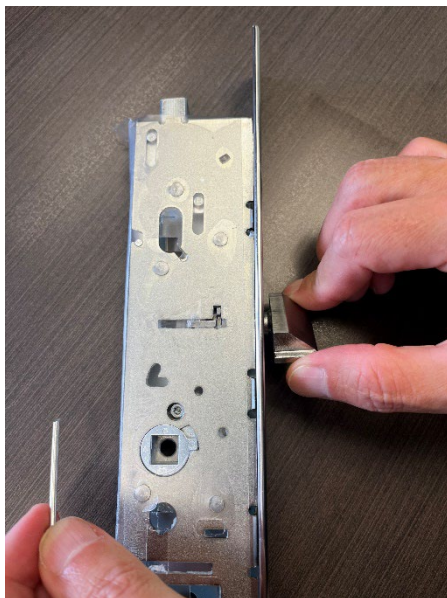
C. Changing snib orientation (lock handing)



Lock out of the box.



Depress snib slightly and push up button to lock it in place.



Pull snib out and rotate 180 degrees.



Push button back down again to release snib.