Straight Sliding & Folding Door Systems.

Technical Guide v1e - 07/12/2022

Part # LIT-SSFDS-TECHGUIDE

Systems covered in this document are for **non-mortice** versions only

Mortice versions are available upon request.

Straight Sliding Systems
Volo 120 & **Rullo Plus**

Folding Door Systems
CoFold 100 & **Rolkar**

Non-mortice mean that all hardware sits flush to the door / frame.
Mortice means you machine the door / frame so the hardware site flush to the timber.

Innovating and **upgrading** the **style**, **performance** and **longevity** of external doors and windows **globally**

Straight Sliding & Folding Door Systems - Technical Manual.

Index.

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Before we begin, some information you may find useful.

Finishes.

Hardware listed within this manual is available in a veriety of finishes, these finishes are explained below, the part numbers are sometimes not clear to the finish you require the following information will allow you to select the correct finish.

PVD Black / Black

PVD Polished Brass / Gold

Polished Stainless Steel / Chrome

Satin Stainless Steel / Satin

The range of hardware used on the products listed within this manual are supplied mostly in **316 marine grade stainless steel**, there is then option to the different finishes available, these are as follows.

PVD Black or Black.
Part number examples: SFW1**B** - If you see a '**B**' within the part number then this denotes "PVD Black coating on 316 Stainless Steel".
e.g. SFW1**B**50 or you will see the '**#**' symbol which is where the colour letter will be.

PVD Polished Brass or Gold.
Part number examples: SFW1**G** - If you see a '**G**' within the part number then this denotes "PVD Polished Brass Coating on 316 Stainless Steel".
e.g. SFW1**G**50 or you will see the '**#**' symbol which is where the colour letter will be.

Polished Stainless Steel / Chrome.
Part number examples: SFW1**C** - If you see a '**C**' within the part number then this denotes "Polished 316 Stainless Steel Finish".
e.g. SFW1**C**50 or you will see the '**#**' symbol which is where the colour letter will be.

Satin Chrome / Satin.
Part number examples: SFW1**S** - If you see a '**S**' within the part number then this denotes "316 Satin Stainless Steel Finish".
e.g. SFW1**S**50 or you will see the '**#**' symbol which is where the colour letter will be.

Please note: some items listed with the suffix of **SS** or contain **SS** e.g. 52/120/**SS** or 106H**SS**/94 are manufactured from unfinished 316 stainless steel.
Other hardware listed could be Anodised Aluminium as in the top, bottom tracks & thresholds.

Black

Polished Brass / Gold

Polished Chrome / Chrome

Satin Aluminium / Satin

The range of SF flush bolts Coastal offer are manufactured from **aluminium** and finished in a veriety of different coatings to match the hardware of the door, below is an explanation to how to understand the part numbering system used.

Black.
Part number examples: SF190**B** - If you see a '**B**' within the part number then this denotes "Black Coating on Aluminium".
Note: You will see the '**#**' symbol which is where the colour letter will be.

Polished Brass or Gold.
Part number examples: SF190**G** - If you see a '**G**' within the part number then this denotes "Polished Brass Coating on Aluminium".
Note: You will see the '**#**' symbol which is where the colour letter will be.

Polished Chrome / Chrome.
Part number examples: SF190**C** - If you see a '**C**' within the part number then this denotes "Polished Chrome Coasting on Aluminium".
Note: You will see the '**#**' symbol which is where the colour letter will be.

Satin Aluminium / Satin.
Part number examples: SF190**S** - If you see a '**S**' within the part number then this denotes "Satin Aluminium Finish".
Note: You will see the '**#**' symbol which is where the colour letter will be.

COASTAL

Volo 120
Flugel 180
Rullo Plus

Straight Sliding Door Systems

For residential and commercail applications, sliding doors are a great way to save space, create seamless indoor/outdoor flows, increase natural light and provide easy access. For industrial applications such as factories, warehouses, agricultural settings - robust hardware and high levels of security is key.

Available in single sliding, top hung or bottom rolling variations, our hardware offers huge versatility in terms of functionality and design. Equally as important, the systems are available in a vast array of quality aestetic finishes and styles weather that be for a sleek and modern design or perhaps a more traditional and period look.

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VOLO 120

INTERIOR & EXTERIOR USE

COASTAL

Top hung straight sliding door system for wooden doors up to **120kg each**.

Applications

- Manufactured from high grade 316 stainless steel within anodised aluminium track.
- This reliable system is extremely durable and ideal for coastal applications or heavy use.
- Ideal for areas requiring a high level of corrosion resistance.
- Designed for interior and exterior doors up to 120kg.
- Ideal for residential or commercial applications.
- Designed to accomodate one sliding panel or two bi-parting doors on a single track.
- Hangers available for MDF or timber doors.
- The track can be soffit fixed or face fix to give flexibility of installation.

Door Specification

Maximum door weight	**120kg.**
Maximum door thickness	**48mm.**
Minimum door thickness	**19mm.**
Maximum panel height	**3000mm.**

Note: there are a number of options when it comes to locking, please contact the office to discuss your requirements and we will guide you to the best locking options available.

General Specification

Component	Description	Part Number
Top Track	Volo 120 anodised aluminium top track (25 microns). Available in lengths; 2000, 3000, 4000, 5000 & 6000mm.	**120/2000 / 3000 / 4000 / 5000 / 6000**
Top Track Brush Strips	Volo 120 aluminium top track brush strip. Supplied in 6 meter roll in black. *Note: 2 runs required per top track.*	**PS20-120-BK**
Face Fix Brackets	Face fixed single hanger bracket, 316 stainless steel. *Note: 600mm spacing between brackets, not required for soffit fix.*	**1/SS**
Door Hangers	Volo 120 concealed plate fixing top hanger. *Volo face fix hanger for MDF is available (non stock item).* *Note: 2 hangers required per door, 316 stainless steel.*	**57/120/SS** ***52/120/SS***
Door Guides	Concealed fixing bottom roller guide with SS bearing. *Wall mounted bottom guide is available (non stock item).* *Note: 2 required per door, 316 stainless steel.*	**106SS/94** ***102SS/94***
Bottom Channels	Polypropylene channel in black. Available in lengths 2000, 3000, 4000, 5000 & 6000mm. Aluminium supporting channel for polypropylene Available in lengths 2000, 3000, 4000, 5000 & 6000mm. Satin Aluminium.	**T94P-20** **T94P-30** **T94P-40** **T94P-50** **T94P-60** **T94SC-20** **T94SC-30** **T94SC-40** **T94SC-50** **T94SC-60**
Top Track Stop	Aluminium top track stop for T120 & T180 top tracks. *Note: 1 required per track run.*	**VG40-SA**
Weatherseal	AquaMac AQ21 frame perimeter seal (if required).	**AQ21-25**

57/120/SS
Hanger

106SS/94
Guide

120
Top Track

PS20-120
Brush Strip

T94SC
Aluminium Channel

T94P
Polypropylene Channel

1/SS
Bracket

52/120/SS
Hanger (non stk)

VG40-SA
Track Stop

102SS/94
Guide (non stk)

AQ21
Seal

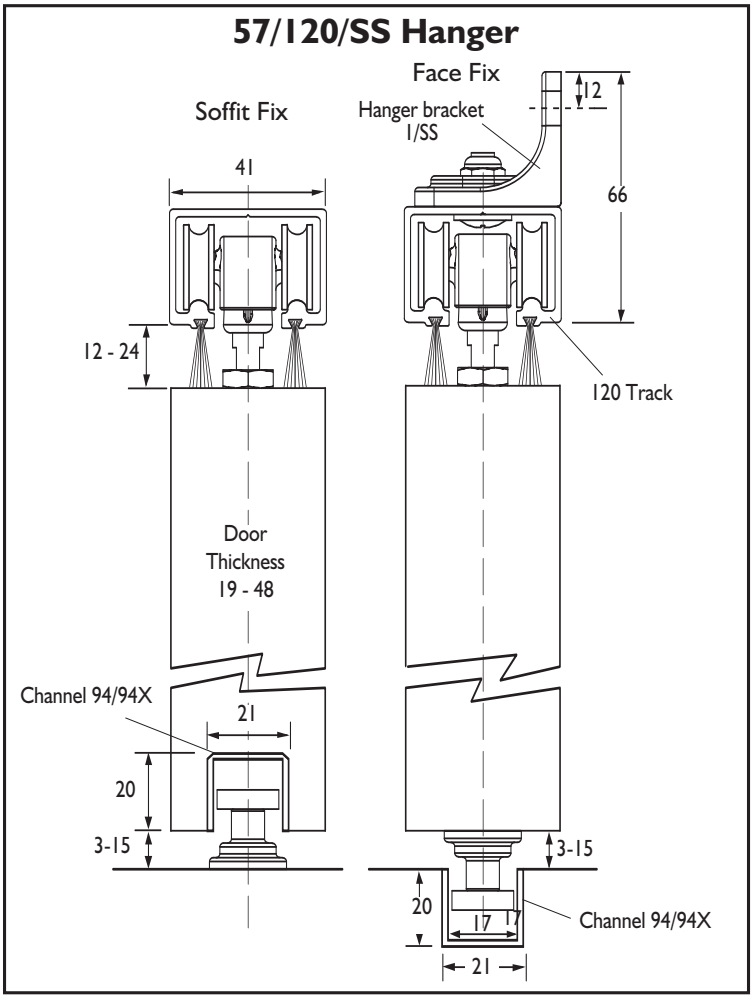
VOLO 120

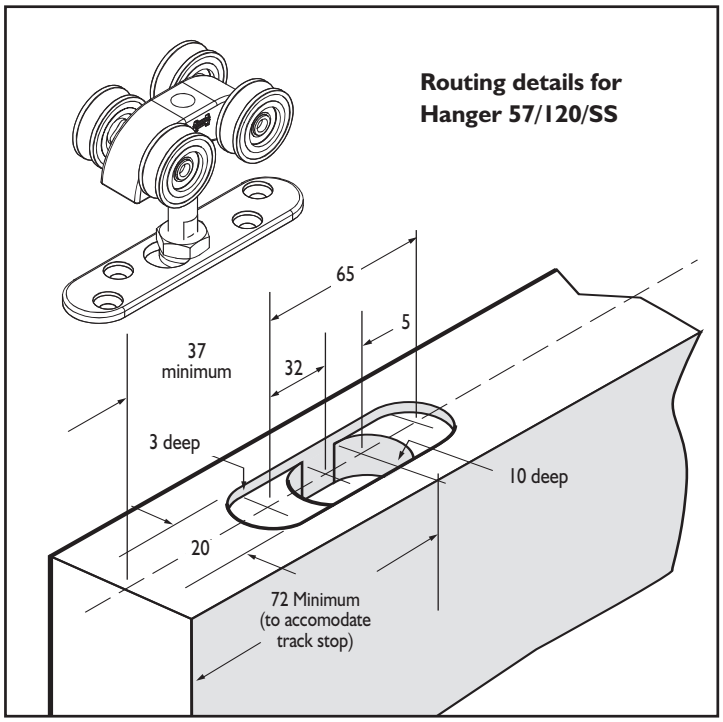
INTERIOR & EXTERIOR USE

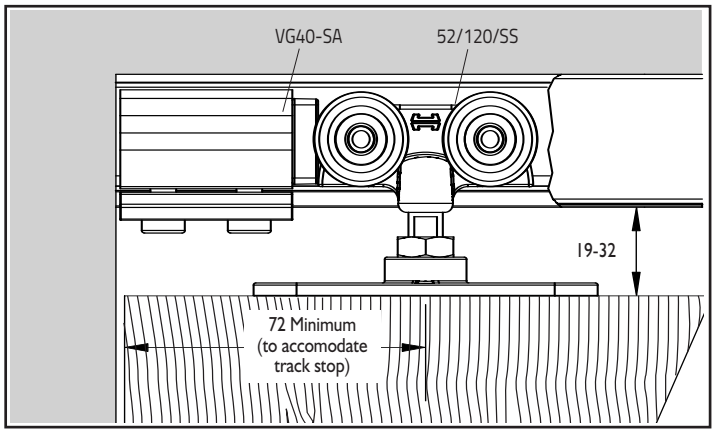
Top hung straight sliding door system for wooden doors up to **120kg each**.

Fitting Instructions

57/120/SS Hanger







(All dimensions shown in mm's)

For MDF doors 19-23mm you must use hanger 52/120/SS and for doors 24-48mm there is an option of surface mounted or routed (57/120/SS)

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RULLO PLUS

INTERIOR & EXTERIOR USE

COASTAL

Bottom rolling straight sliding door system for wooden doors up to **200kg each**.

Applications

> This system is available in both locking and non locking options.
> Suited to applications where the supporting structure or lintel is insufficient for the weight of the door or where headroom is limited.
> Locking version is complete with a high security 6 hook lock plate and a simple height adjustment mechanism, the Rullo Plus is an effective solution for bottom rolling patio doors that suits both residential and commercial applications.
> Doors must be constructed with bottom rails of at least 150mm depth to accomodate the concealed, morticed bottom rollers. Door weight is carried on the floor.

Door Specification

- Maximum door weight **200kg.**
- Minimum door thickness **40mm.**
- Maximum door thickness **56mm.**
- Maximum panel height **2400mm.**

Designed to work with the blu KM920-YA Patio handle.

SFG115/135
Roller

YLM-20-SS
YLM-HK-SS
Locking System with Keep Plate

106SS/94
Guide

SFG185
Track

102SS/94
Guide (non stk)

General Specification

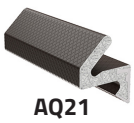
Component	Description	Part Number
Bottom Track	Rullo Plus anodised aluminium bottom track. Available in lengths; 2000, 3000, 4000 & 6000mm.	**SFG185-20 / 30 / 40 / 50 / 60**
Door Lock	Yale paddock lockmaster PPL06 stainless steel lock.	**YLM-20-SS**
Door Lock Keep	Yale paddock lockmaster hook keep plate stainless steel.	**YLM-HK-SS**
Meeting Stile	10mm meeting stile kit, satin aluminium. Supplied in 2690mm length with seals.	**HS19-KIT-SV**
Bottom Door Rollers	Rullo Plus SFG bottom rollers with nylon wheels, adjustable, stainless steel. 100kg version. 200kg version. *Note: 2 required per door.*	 **SFG135** **SFG115**
Top Guides	Concealed fixing top roller guide with SS bearing. *Wall mounted bottom guide is available (non stock item).* *Note: 2 required per door, 316 stainless steel.*	**106SS/94** ***102SS/94***
Top Channels	Polypropylene channel in black. Available in lengths 2000, 3000, 4000, 5000 & 6000mm.	**T94P-20 / 30 / 40 / 50 / 60**
Floor Stop	HS Portal SCV & Rullo Plus door/floor stop. *Note: 1 required per bottom track run.*	**HS16-BK**
Weatherseal	AquaMac AQ21 frame perimeter seal (if required).	**AQ21-25**
Door Handle	blu KM900 Series Patio Door Handles.	KM905-YA-316-SSS KM920-YA-316-SSS

T94P
Polypropylene Channel

KM900 Series
Patio Handle

HS19-KIT
Meeting Stile

HS16-BK
Floor Stop



AQ21
Weatherseal

RULLO PLUS

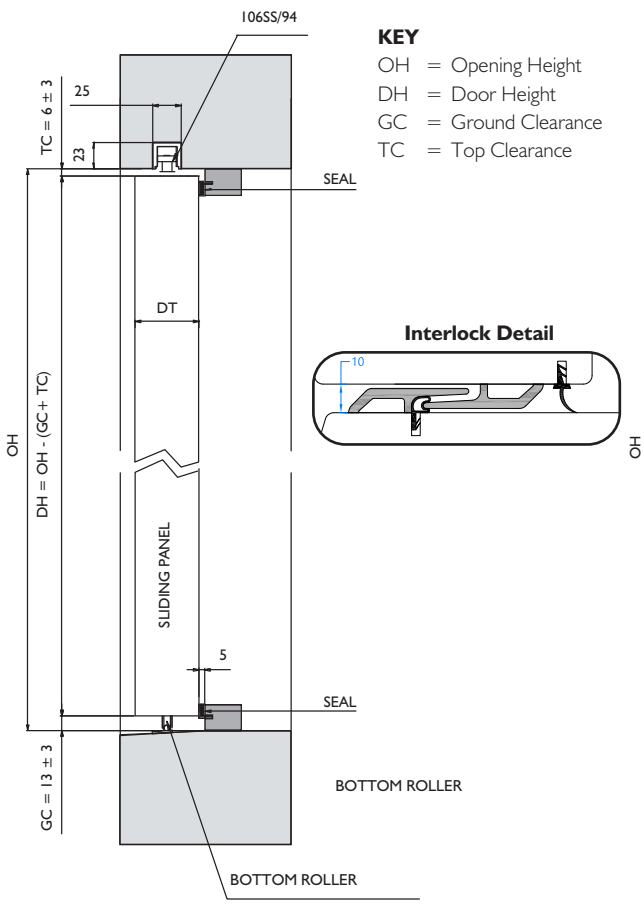
INTERIOR & EXTERIOR USE

COASTAL

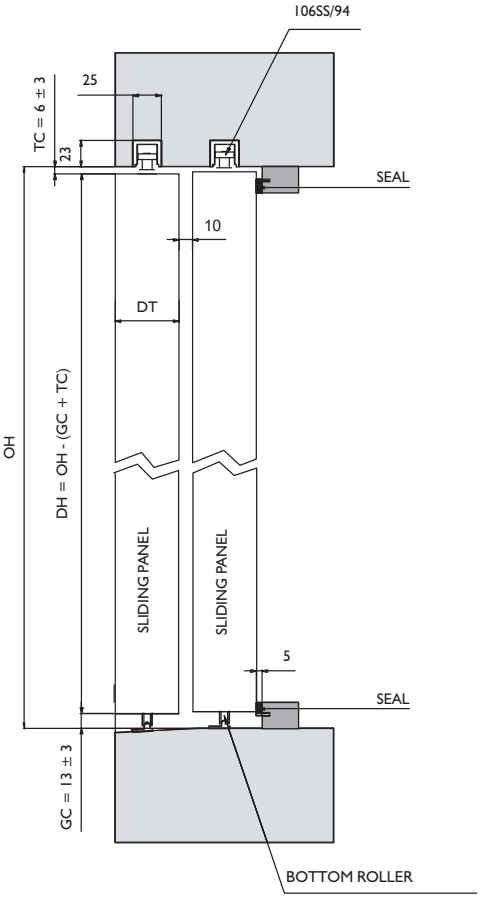
Bottom rolling straight sliding door system for wooden doors up to **200kg each**.

Dimension Details

One Fixed and One Sliding Panel Central Meeting Panels

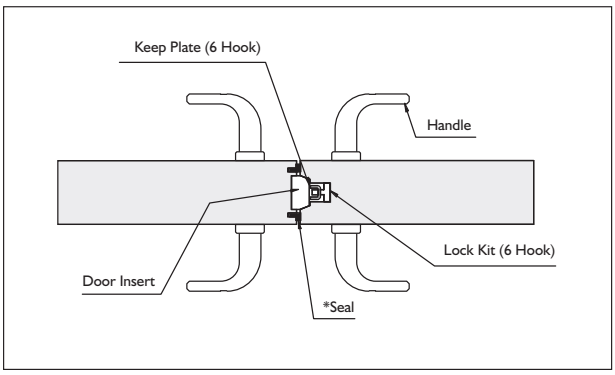


One Fixed and Two Sliding Panels

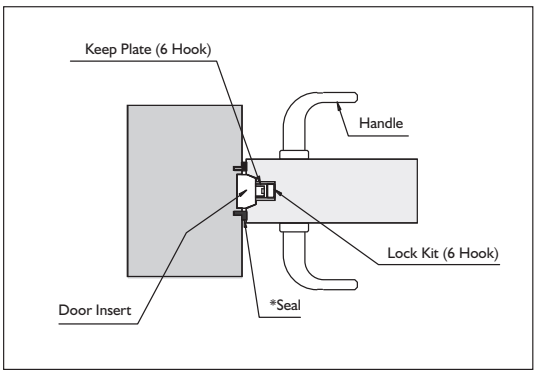


*** = Seals not incuded in kit**

Central Meeting Panels



Sliding Panels to One Side



Note: Coastal recommend a minimum door stile width of 150mm

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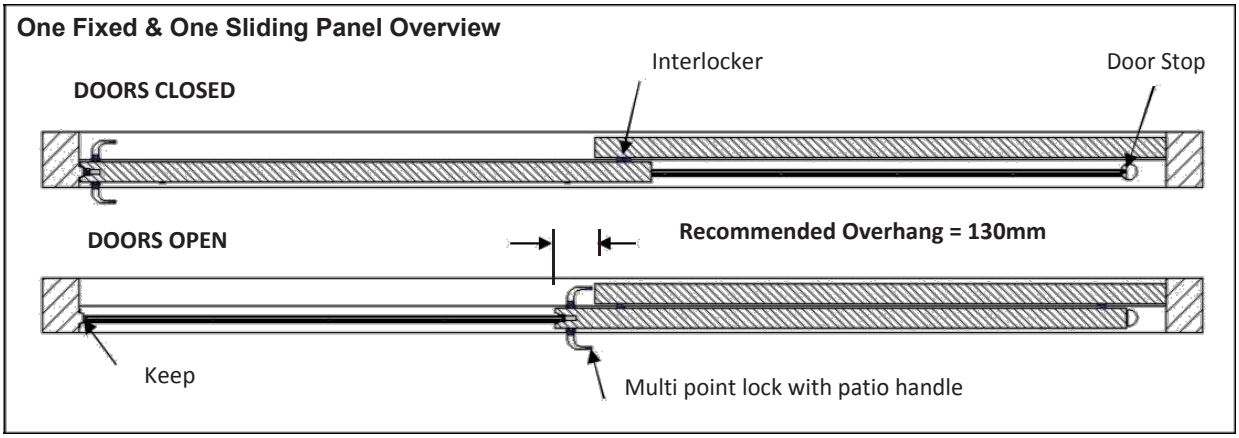
RULLO PLUS

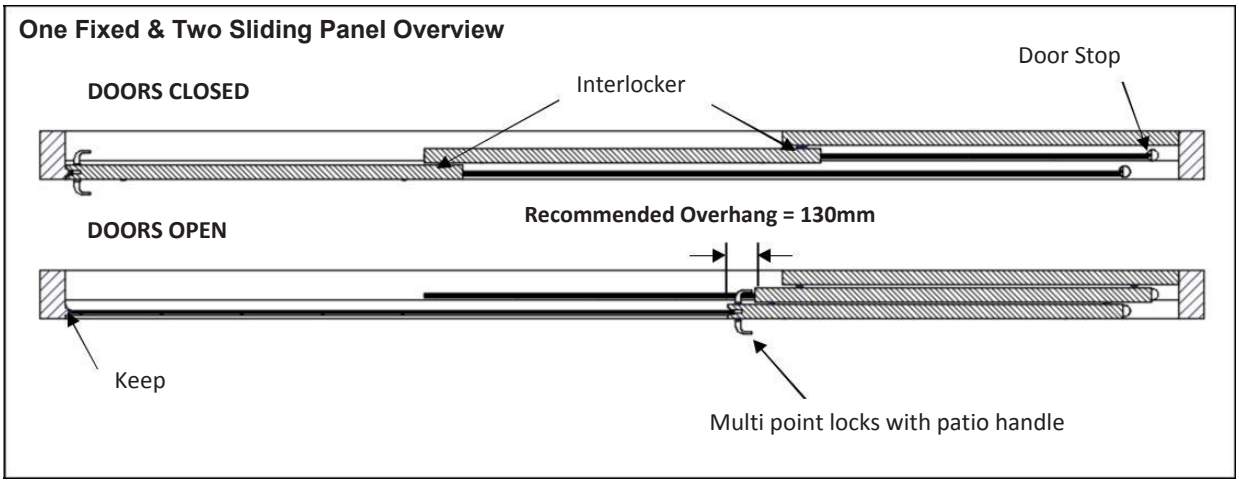
INTERIOR & EXTERIOR USE

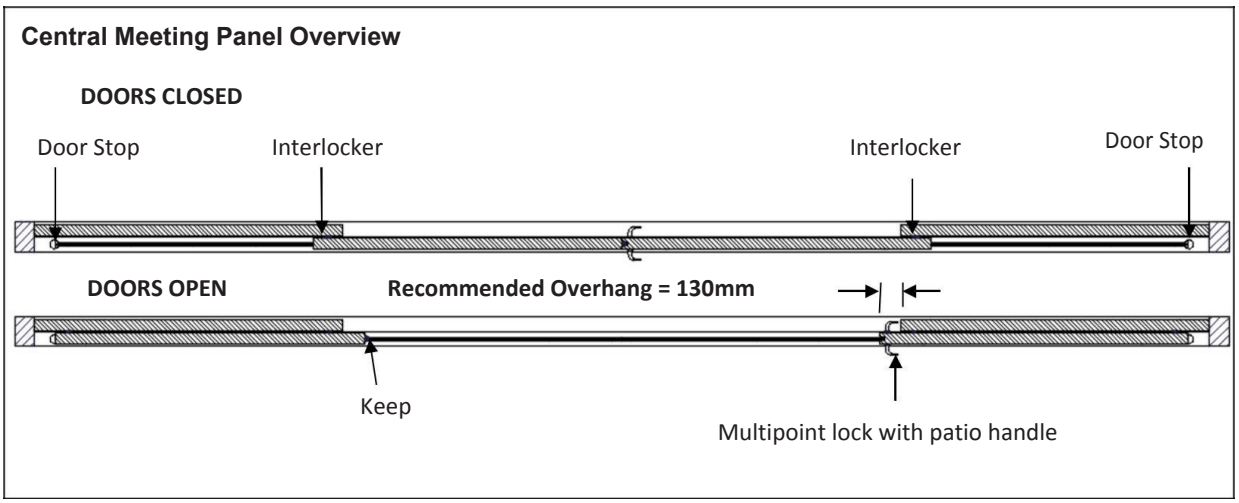
COASTAL

Bottom rolling straight sliding door system for wooden doors up to **200kg each**.

Fitting Details





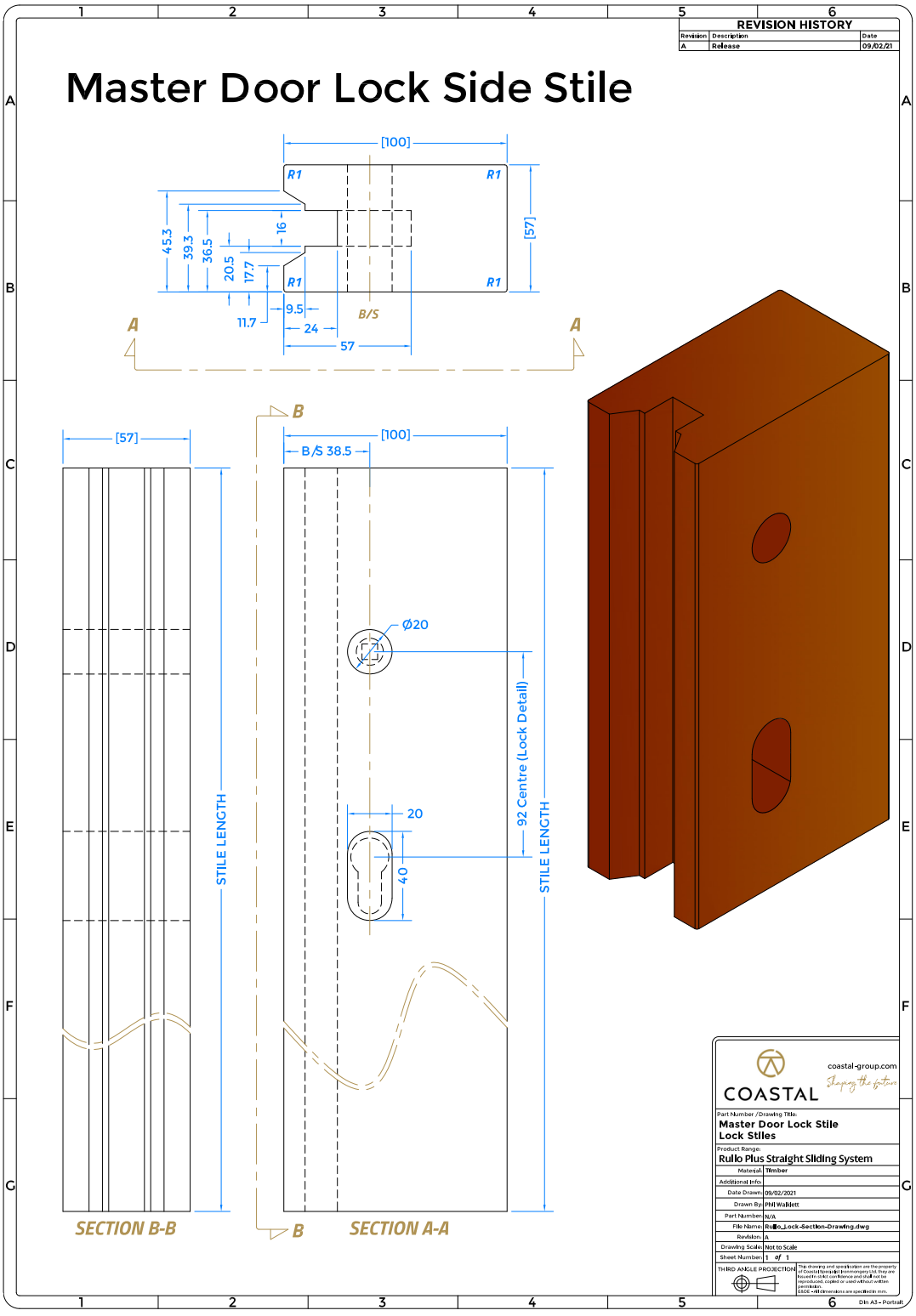


RULLO PLUS

INTERIOR & EXTERIOR USE

Bottom rolling straight sliding door system for wooden doors up to **200kg each**.

Fitting Details...continued.



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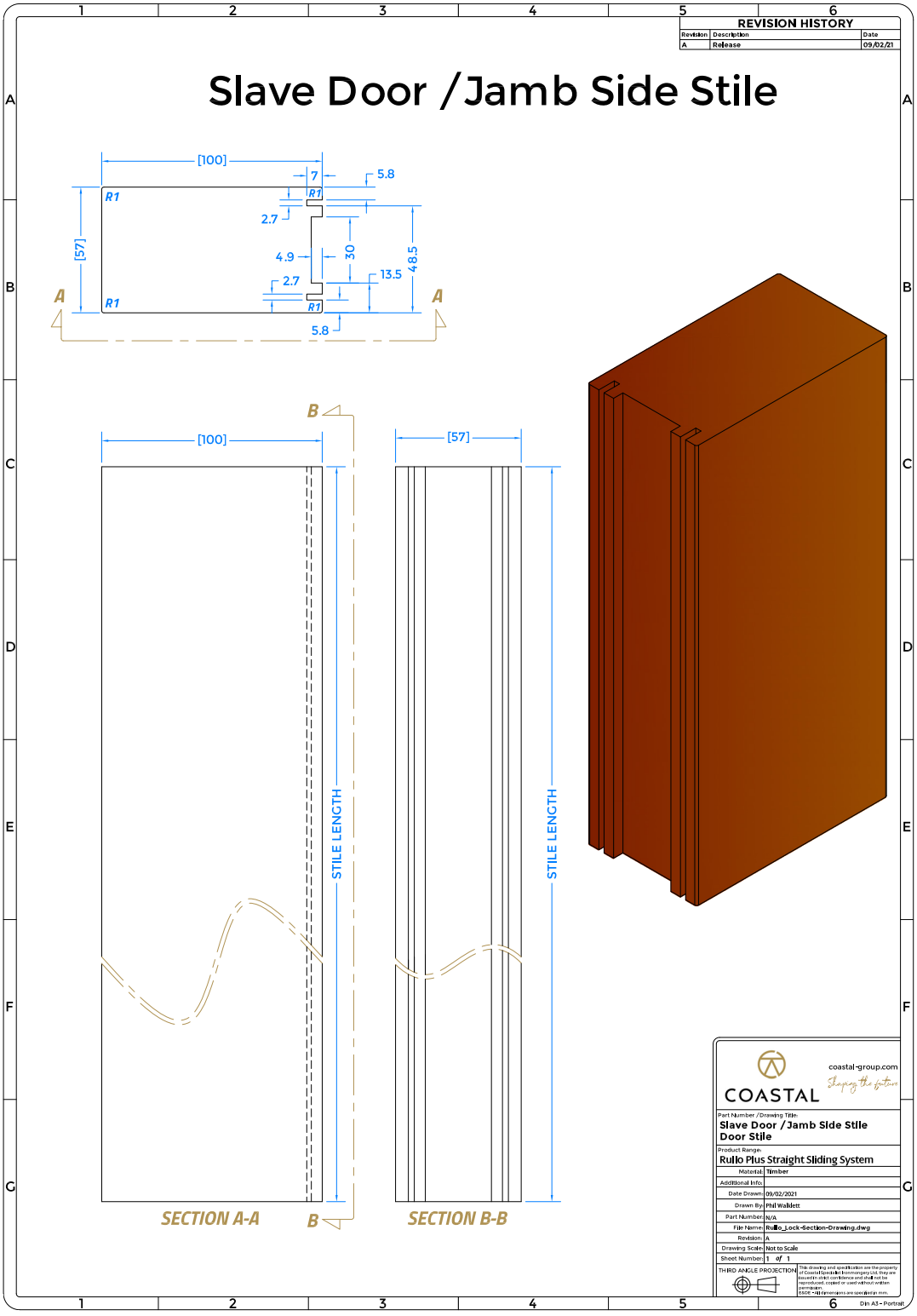
RULLO PLUS

INTERIOR & EXTERIOR USE

COASTAL

Bottom rolling straight sliding door system for wooden doors up to **200kg each**.

Fitting Details...continued.



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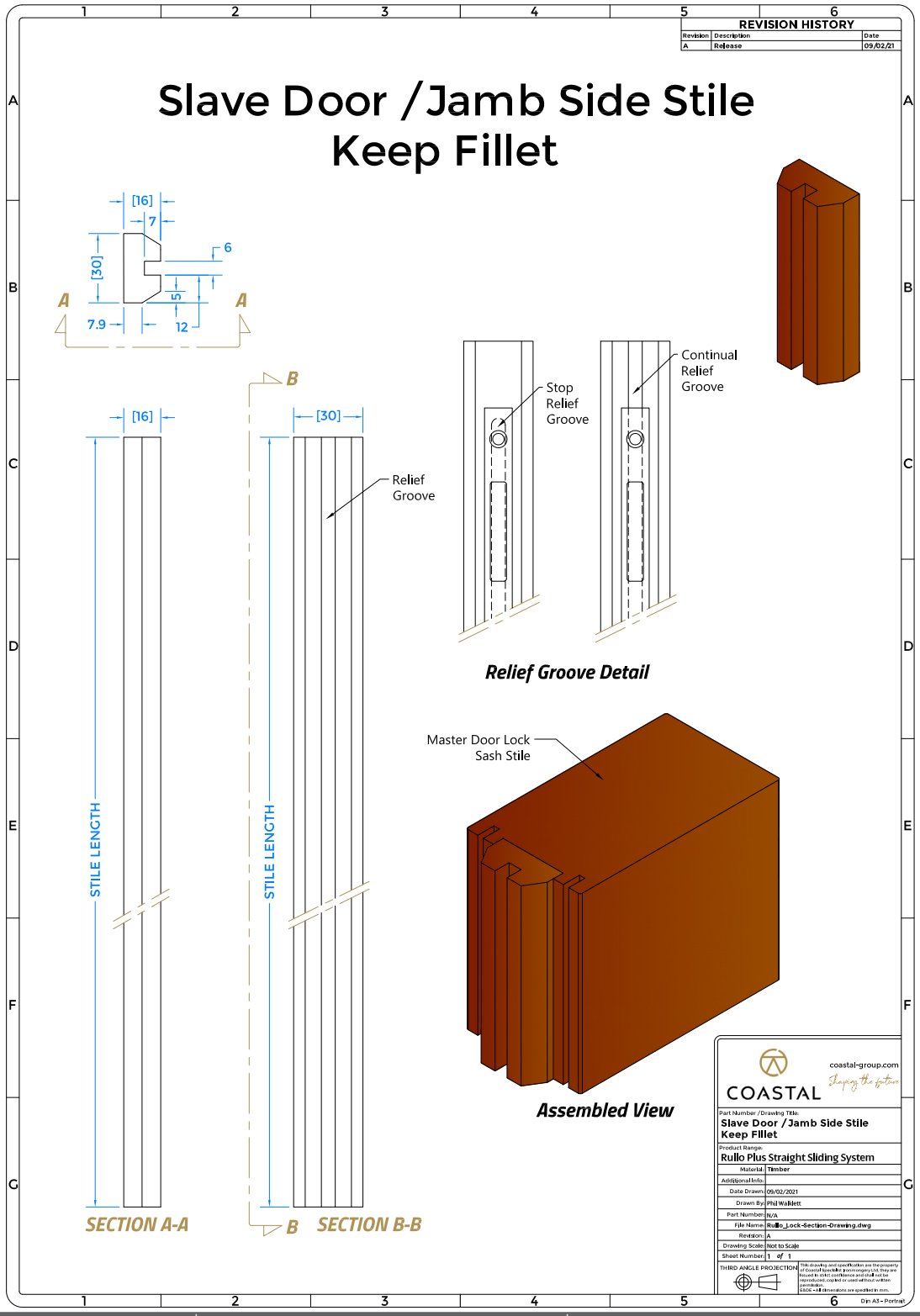
COASTAL

Bottom rolling straight sliding door system for wooden doors up to **200kg each**.

Fitting Details...continued.



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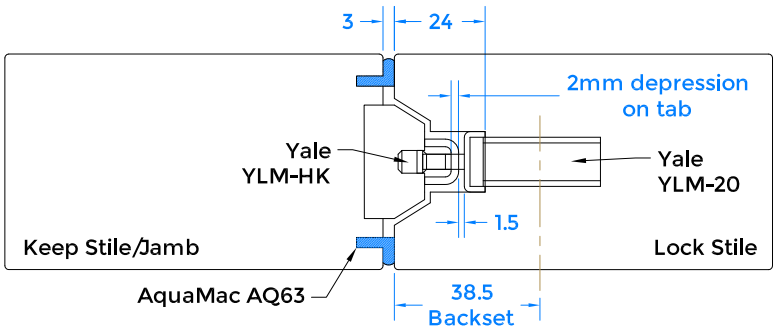
Bottom rolling straight sliding door system for wooden doors up to **200kg each**.

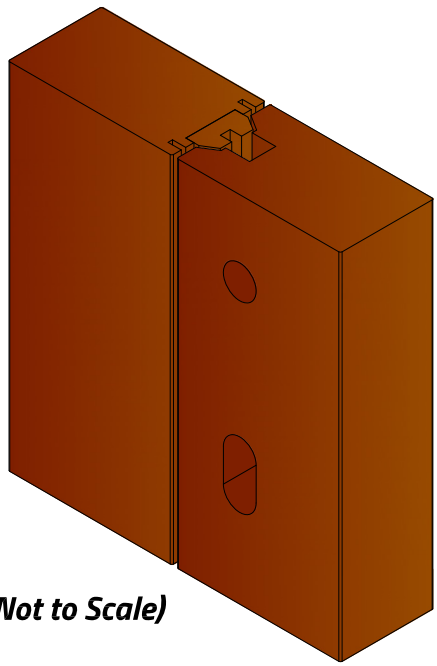
Fitting Details...continued.

REVISION HISTORY

Revision	Description	Date
A	Release	09/02/21

Assembled Closed View





Isometric (Not to Scale)

COASTAL coastal-group.com Shaping the future

Part Number / Drawing Title: **Assembled Closed View Lock Stiles**

Product Range: **Rullo Plus Straight Sliding System**

Material	Timber
Additional Info	
Date Drawn	09/02/2021
Drawn By	Phil Walklett
Part Number	N/A
File Name	Rullo_Lock-Section-Drawing.dwg
Revision	A
Drawing Scale	1:1 @ A3
Sheet Number	1 of 1

THIRD ANGLE PROJECTION

This drawing and specification are the property of Coastal Specialist Ironmongery Ltd, they are issued in strict confidence and shall not be reproduced, copied or used without written permission.

BASIS - All dimensions are specified in mm.

Dim A3 - Portrait

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RULLO PLUS

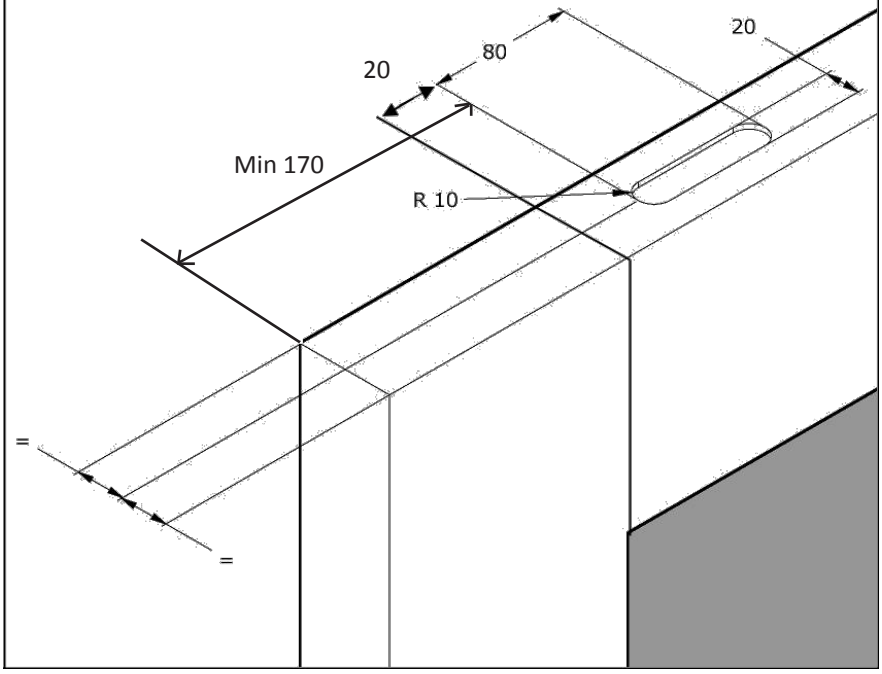
INTERIOR & EXTERIOR USE

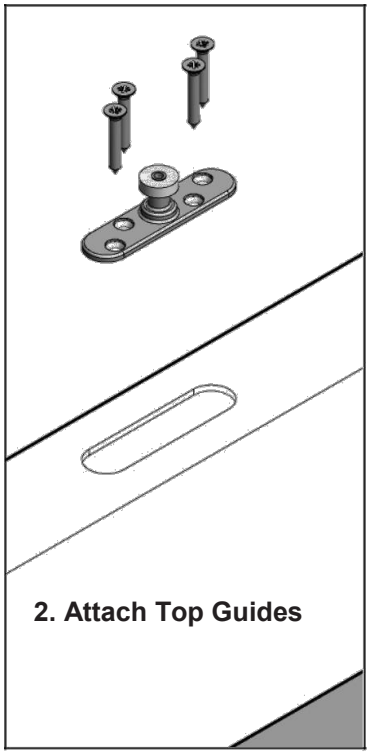
COASTAL

Bottom rolling straight sliding door system for wooden doors up to **200kg each**.

Fitting Details...continued.

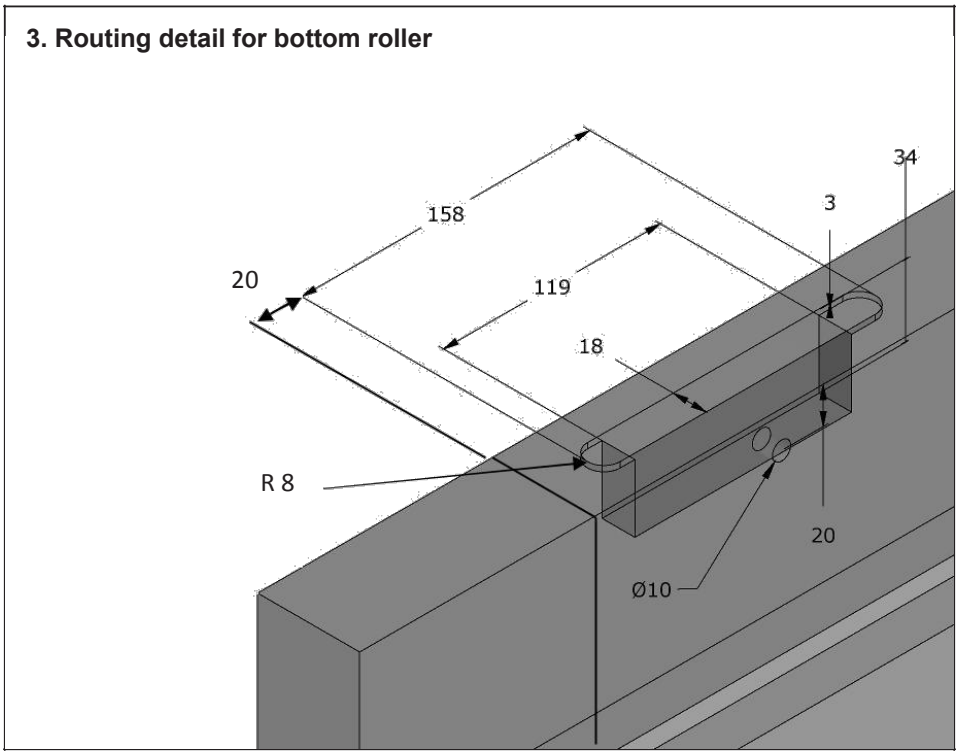
1. Routing detail for top guide



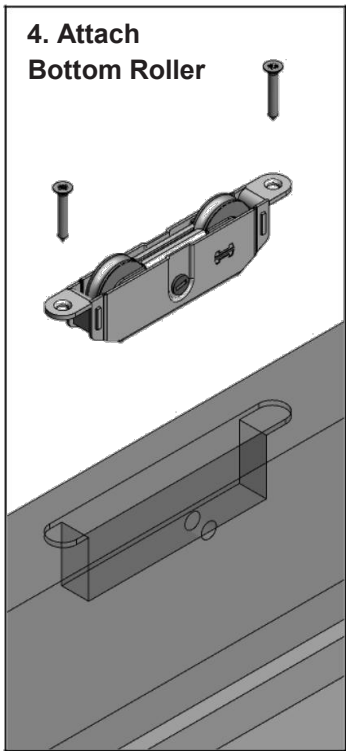


2. Attach Top Guides

3. Routing detail for bottom roller



4. Attach Bottom Roller



RULLO PLUS

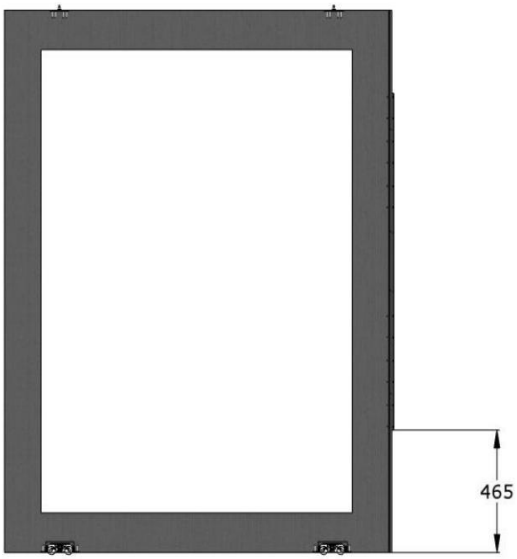
INTERIOR & EXTERIOR USE

COASTAL

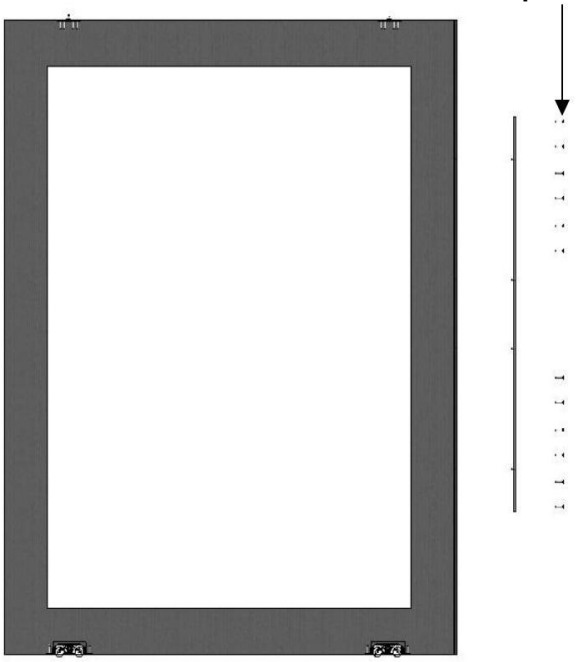
Bottom rolling straight sliding door system for wooden doors up to **200kg each**.

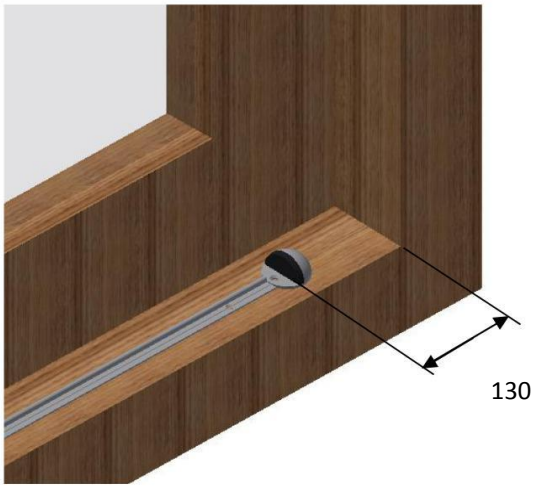
Fitting Details...continued.

9. Keep position & installation (on central meeting doors), for fixed panel installation attach keep to timber jamb



Screws NOT provided

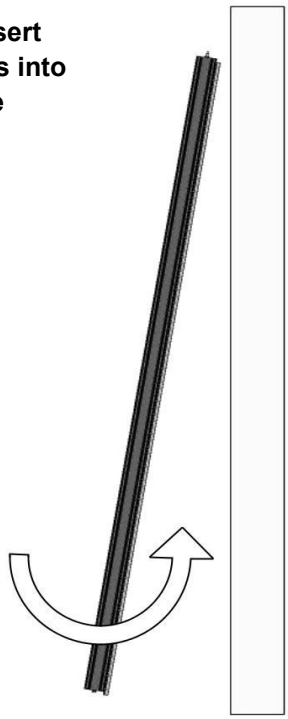




10. For track and channel installation detail see Bottom Roller fitting instructions.

10a. Reduce rail and channel length by 130mm to locate door stops top and bottom (see overview)

11. Insert Panels into Frame



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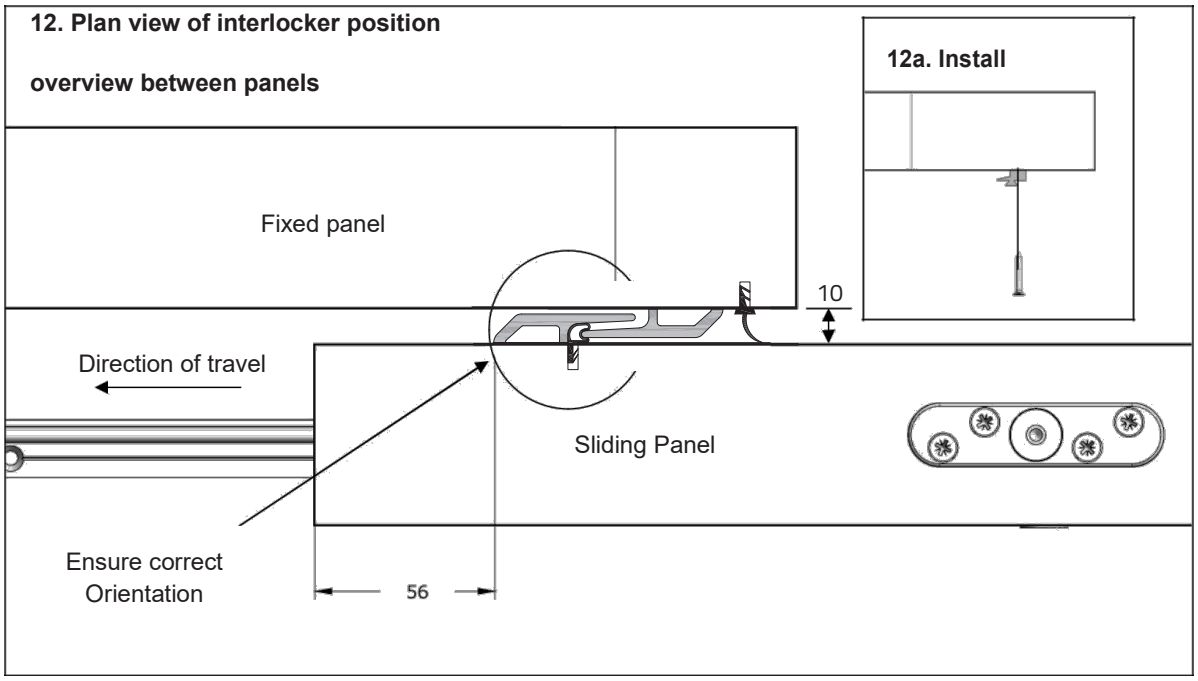
Bottom rolling straight sliding door system for wooden doors up to **200kg each**.

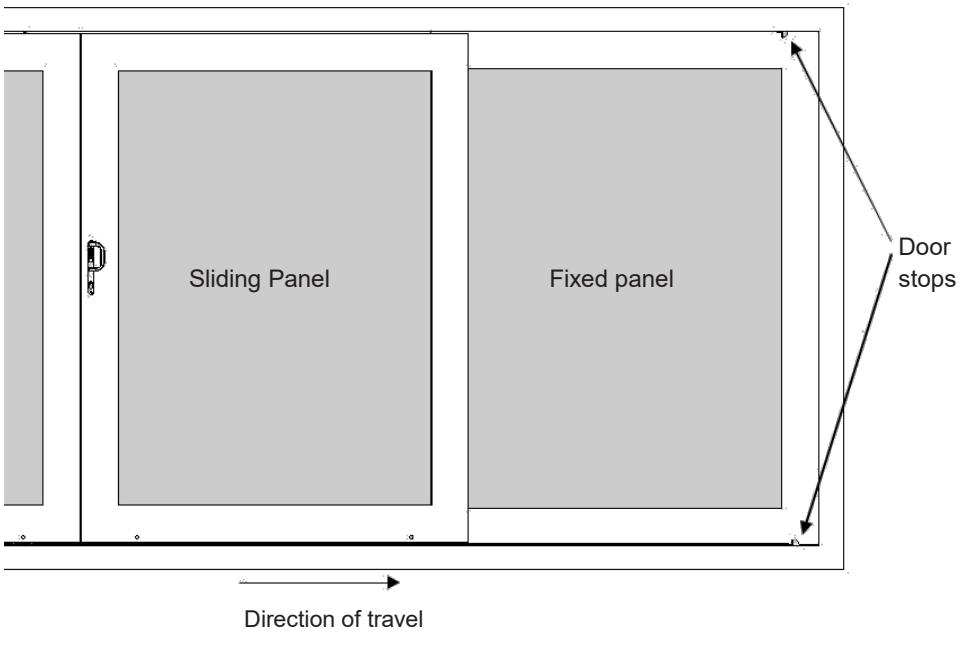
Fitting Details...continued.

12. Plan view of interlocker position

overview between panels



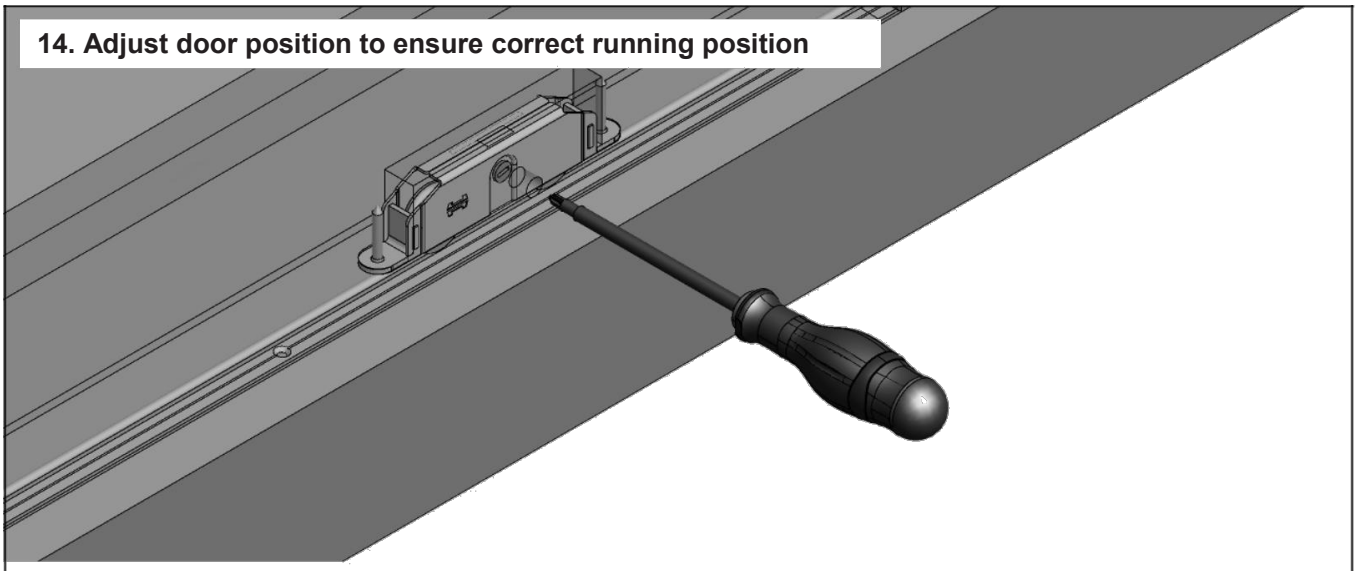
13. Door stop position overview



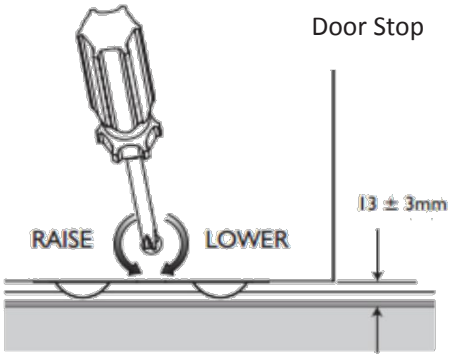
Bottom rolling straight sliding door system for wooden doors up to **200kg each**.

Fitting Details...continued.

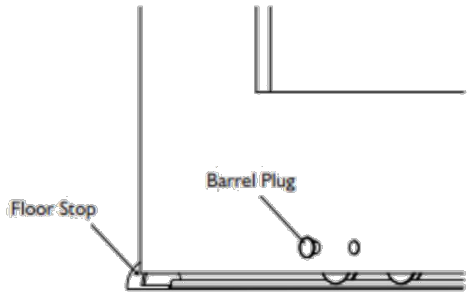
14. Adjust door position to ensure correct running position



Bottom roller adjustment



Locate plugs



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CoFold 100

Rolkar

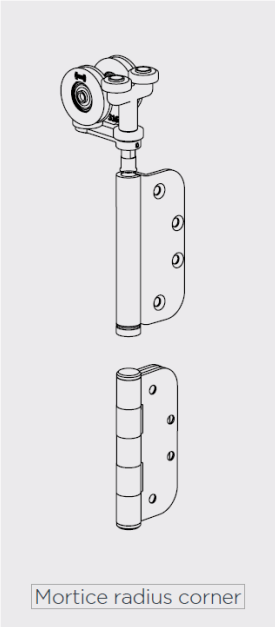
Folding Door Systems

Catering for maximum door weights of 100kg, our range of folding door systems can cater for interior and exterior applications, top rolling and bottom rolling designs are available depending on your circumstances.
When used internally, as room dividers and partitions, folding doors are the perfect way to create flexible living and working environments allowing an entire room to be opened up at ease. When used externally, folding doors can create a truly wonderful indoor/outdoor environment, making the most of natural light and external views.

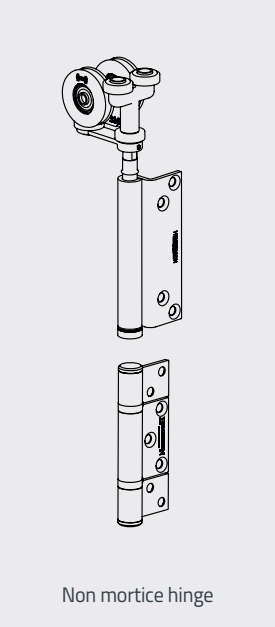
Please note: Open in schemes for external facing doors are **not** recommended, this could lead to water ingress due to the nature of the system, where possible open out should be used, if this is not possible then make sure the location is not in an exposed area.

Did you know?

HINGE OPTIONS - DIFFERENCES BETWEEN MORTICE & NON-MORTICE



Mortice radius corner



Non mortice hinge

Mortice Radius Hinge (available on request)

Square edged hinges provide a rustic feel and look to any wood work application and these are often chosen for more traditional applications. The solid square appearance achieves the look of a timely installation as in the past and historically would have required precision routing by hand. Today there are other methods but some customers still prefer the hand carved qualities of traditional joinery. This hinge option is suitable for use on timber panels between 44-68mm thick and weighing up to 100kg

Non Mortice Hinge (Preferred)

A non mortice hinge is an entirely surface mounted system that requires no routing or additional preparation before the fitting process. This is an easy and versatile option of hardware that is suitable for use on CoFold Timber door sets. This option offers versatility and can be used on timber panels between 35-68mm thick and weighing up to 100kg

CoFold 100 R-LOC SYSTEM

Innovative R-Loc Developed for CoFold Hardware

As part of a continuous research and development programme put in place to ensure our products meet and exceed customer expectations, we're pleased to announce the launch of an innovative R-Loc mechanism for the CoFold 100.

Designed with our customers in mind, R-Loc is a clever ratchet system that enables installers to easily heighten or lower a door, eliminating the process of locking the hanger in place with a grub screw. The product aims to speed up the installation process for timber joiners, whilst also providing a simple adjustment process.

The addition of R-Loc has enhanced CoFold as the definitive choice when specifying hardware for interior and exterior folding doors. Engineered using high grade 316 stainless steel and cutting edge polymer technology, all components in the range have undergone extensive cyclic testing exceeding the maximum European BS EN 1527 grade of 100,000 cycles.

The top-hung design creates a discreet, easy to operate system that does not compromise the look of the doors with unsightly cut-outs. A variety of weight capabilities, finishes and locking options makes this the system that offers superior performance while meeting the aesthetic preferences of the customer.

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COFOLD 100

EXTERIOR USE

Non-mortice, top hung, folding door system for wooden doors up to **100kg each, featuring R-Loc**.

CoFold 100 system is the ultimate in exterior folding systems. The system has been designed to maximise the flexibility of a rooms living space, enabling the user to have an indoor/outdoor experience by fully opening up exterior walls. Operating with effortless ease, CoFold 100 combines the benefits of folding doors with the ability to keep out the weather with no corrosion worries.
This modern, contemporary feature will increase available living space, whilst taking full advantage of natural light.

Note: there are a number of options when it comes to locking, please contact the office to discuss your requirements and we will guide you to the best locking options available.

Applications

> Residential and commercial timber exterior folding applications.
> Specially suited to coastal environments with components made from 316 stainless steel, anodised aluminium or engineering polymers, flush bolts are made from nickel.
> End folding timber doors folding to one or both sides.
> Standard folding configurations features doors folding outward. Inward folding doors can be used where the doors are not directly exposed to the weather.
> Recognised weather resistance & premium security features.
> Available in a veriety of finishes, satin stainless steel, polished stainless steel, pvd black & pvd brass.

Door Specification

> Maximum door weight	**100kg.**
> Door thickness between	**35-68mm.**
> Maximum door width	**1000mm.**
> Maximum door height	**3300mm.**

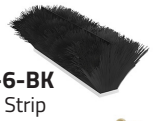
For doors between 35-47mm use an alternative to standard flush bolt.
The folding unit is not hinged to post, but is pivoted in the track and floor. All door leaves are of equal width.
A swing leaf can be included by incorporating an odd number of leaves. For full weather protection, doors, frame and track should incorporate the seals provided . Cill and frame construction should be in accordance with the CoFold 100 fixing instructions.

General Specification

 # denotes the colour of the component

Component	Description	Part Number
Top Track	CoFold anodised aluminium top track (25 microns). Available in lengths; 2000, 3000, 4000, 5000 & 6000mm.	**250/2000/3000/ 4000/5000/6000**
Top Track Brush Strips	CoFold 250 aluminium top track brush strip. Supplied in a 6 meter roll in black. *Note: 1 run required per top track.*	**PS13-6-BK**
Door Hanger/ Hinge/Guide Sets **(316 Stainless Steel)** Hinge Drilling Jig Available for this System	CoFold non-mortice pivot assembly set. CoFold non-mortice end hanger / guide set left hand. CoFold non-mortice end hanger / guide set right hand. Inline hinge set with handle. Intermediate hanger/hinge/guide set. Inward opening inline hinge set. Inward opening offset hinge set. Outward opening offset hinge set with handle. CoFold non-mortice rebated meeting stile set. * Non-mortice intermediate pivot hinge for doors above 2200mm. Surface fit pull handle (optional). * END HANGER SET FOR A PAIR OF REBATED MEETING DOORS.	**SFW1#** **SFW2L#** **SFW2R#** **SF3#** **SF4#** **SF5#** **SF6#** **SF7#** **SFW8#** **SFW9#** **SF10#**
Bottom Channels / Thresholds	**Polypropylene channel in black.** Available in lengths 2000, 3000, 4000, 5000 & 6000mm. **Aluminium supporting channel for polypropylene.** Available in lengths 2000, 3000, 4000, 5000 & 6000mm. **Bi-Fold SF94T outward opening aluminium threshold cill.** Available in lengths 2000, 2500, 3000, 3500, 4000 & 6000mm, finishes available are either satin aluminium or bronze. **B-Fold SF94T outward opening aluminium threshold jamb kit.**	**T94P-20/30/40/50/ 60** **T94SC-20/30/ 40/50/60** **SF94T/2000# to SF94T/6000#** **SF94T/JAMB**
Weatherseal	AquaMac AQ21 frame perimeter seal (if required) AquaMac AQ63 door perimeter seal (if required)	**AQ21-25** **AQ63-25**
Accessories **For more accessories see page 66**	**Outward opening flush bolts (locking).** Available in 190, 450 & 600mm. **Outward opening flush bolts (non-locking).** Available in 190, 450 & 600mm. Profiled Router Cutter Available for the SF flushbolts	**SF190L#, SF450L# & SF600L#** **SF190#, SF450# & SF600#**

250
Top Track

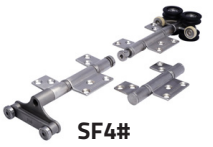


PS13-6-BK
Brush Strip

SFW1#
Pivot Set

SFW2#
Hanger/Guide Set (Handed)

SF3#
Hinge Set with Handle



SF4#
Intermediate Hanger/Hinge/Guide Set

SF5#
Hinge Set Inward Opening

SF6#
Hinge Set Offset Inward Opening

SF7#
Hinge Set Offset Outward Opening

SFW8#
Rebated End Hanger/Guide

SFW9#
Intermediate Pivot Hinge

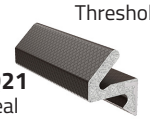
SF10#
Face Fix Handle (Optional)

T94SC
Aluminium Channel

T94P
Polypropylene Channel

SF94T
Aluminium Threshold

SF190
Flush Bolts



AQ21
Seal

AQ63
Seal

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COFOLD 100

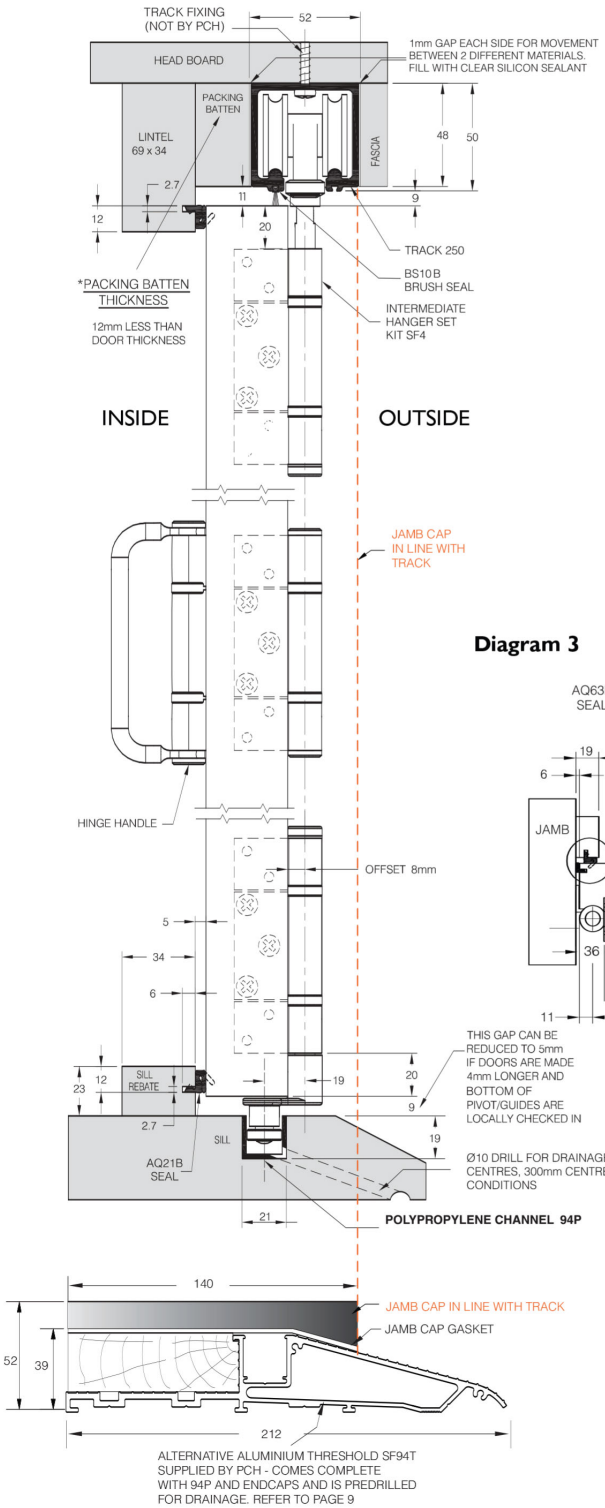
EXTERIOR USE

Non-mortice, top hung, folding door system for wooden doors up to **100kg each, featuring R-Loc**.

COASTAL

CF-JIG
Hinge Drilling Jig
Available

Diagram 1



SYSTEM CAPACITY

Maximum leaf height-	3300mm	Maximum leaf weight-	100kg
Maximum leaf width-	1000mm	Maximum leaf thickness-	35-68mm

On systems using door leaves that are narrow and thick and the hypotenuse is more than the door width x 1.004 then a risk of camming exists (see diagram 12).
**For doors between 35-44mm an alternative to the Securefold flushbolt is required.*
***For thicker or thinner doors please contact PC Henderson Technical Department technical@pchenderson.com*

Diagram 2

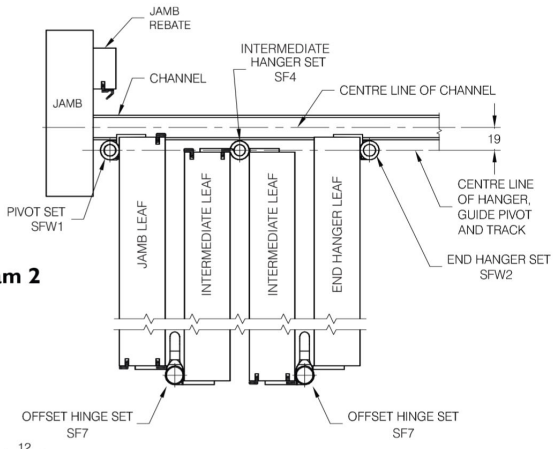


Diagram 3

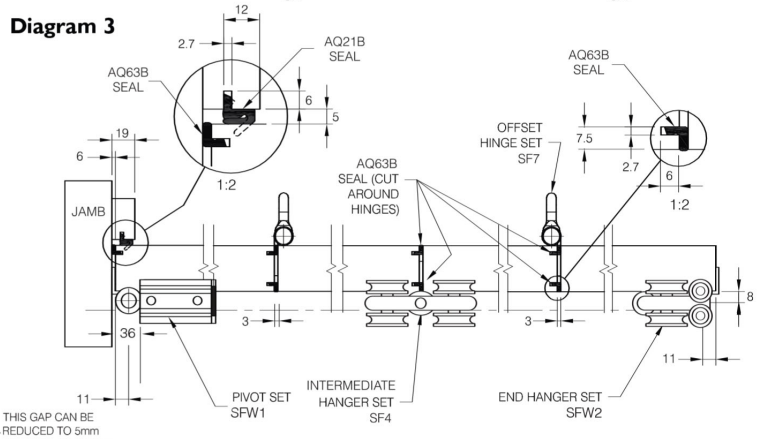
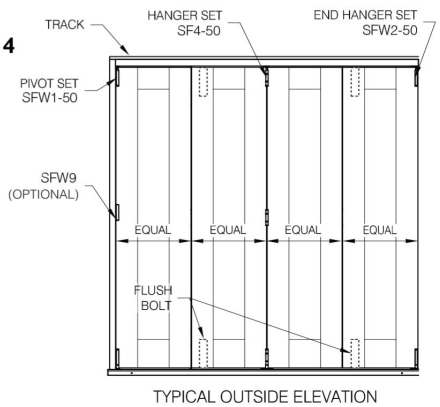


Diagram 4



TYPICAL OUTSIDE ELEVATION

COFOLD 100

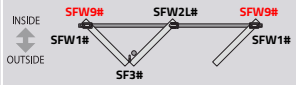
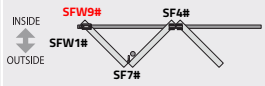
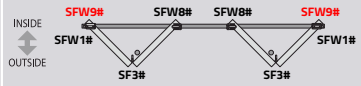
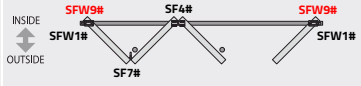
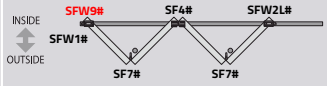
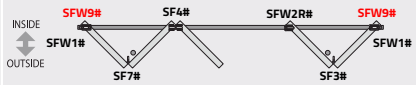
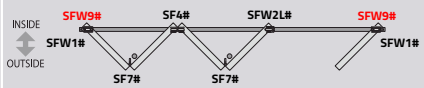
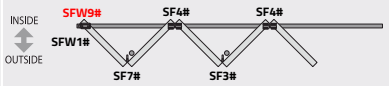
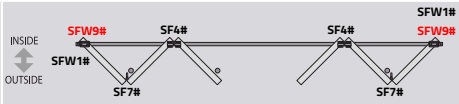
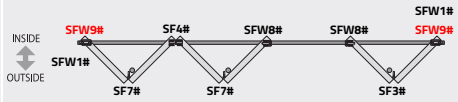
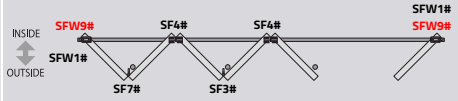
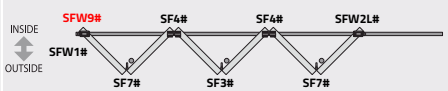
EXTERIOR USE

CoFold 100 door configuration and hardware quantities.

Outward Opening Door Configurations

As viewed from the outside.

Note: On systems using door leaves that are narrow and wide and the hypotenuse is more than the door width x 1.004 then a risk of camming exists, see fitting instructions for more information or contact the office.

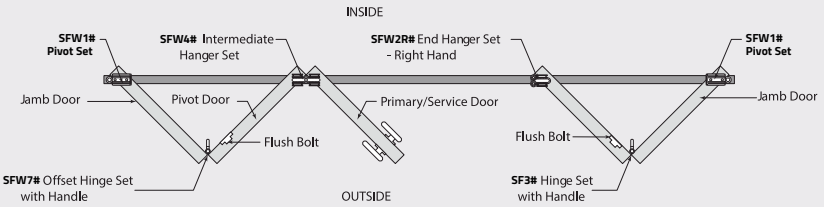
2 Leaf		2 x SF flushbolt, 1 x SFW1# pivot set, 1 x SF3# hinge set with handle, 1 x SFW2L# end hanger set - left hand.*	
2 + 1 Leaf		2 x SF flushbolt, 2 x SFW1# pivot set, 1 x SF3# hinge set with handle, 1 x SFW2L# end hanger set - left hand.*	
3 Leaf		2 x SF flushbolt, 1 x SFW1# pivot set, 1 x SF4# intermediate hanger set, 1 x SF7# offset hinge set with handle.	
2 + 2 Leaf		4 x SF flushbolt, 2 x SFW1# pivot set, 2 x SF3# hinge set with handle, 1 x SFW8# rebated end hanger meeting.	
3 + 1 Leaf		4 x SF flushbolt, 2 x SFW1# pivot set, 1 x SF4# intermediate hanger set, 1 x SF7# offset hinge set with handle.	
4 Leaf		4 x SF flushbolt, 1 x SFW1# pivot set, 1 x SF4# intermediate hanger set, 2 x SF7# offset hinge set with handle, 1 x SFW2L# end hanger set - left hand.*	
3 + 2 Leaf		4 x SF flushbolt, 2 x SFW1# pivot set, 1 x SF3# hinge set with handle, 1 x SF4# intermediate hanger set, 1 x SF7# offset hinge set with handle, 1 x SFW2R# end hanger set - right hand.*	
4 + 1 Leaf		4 x SF flushbolt, 2 x SFW1# pivot set, 1 x SF4# intermediate hanger set, 2 x SF7# offset hinge set with handle, 1 x SFW2L# end hanger set - left hand.*	
5 Leaf		4 x SF flushbolt, 1 x SFW1# pivot set, 1 x SF3# hinge set with handle, 2 x SF4# intermediate hanger set, 1 x SF7# offset hinge set with handle.	
3 + 3 Leaf		6 x SF flushbolt, 2 x SFW1# pivot set, 2 x SF4# intermediate hanger set, 2 x SF7# offset hinge set with handle.	
4 + 2 Leaf		6 x SF flushbolt, 2 x SFW1# pivot set, 1 x SF3# hinge set with handle, 1 x SF4# intermediate hanger set, 2 x SF7# offset hinge set with handle, 1 x SFW8# rebated end hanger meeting.	
5 + 1 Leaf		6 x SF flushbolt, 2 x SFW1# pivot set, 1 x SF3# hinge set with handle, 2 x SF4# intermediate hanger set, 1 x SF7# offset hinge set with handle.	
6 Leaf		6 x SF flushbolt, 1 x SFW1# pivot set, 1 x SF3# hinge set with handle, 2 x SF4# intermediate hanger set, 2 x SF7# offset hinge set with handle, 1 x SFW2L# end hanger set - left hand.*	

Note: **SFW9#** intermediate pivot hinge for doors over 2200mm in height, this is optional for doors below 2200mm, but recommended for doors over 2200mm high.

***** This denotes the parts that are handed, e.g. **SFW2L#** is left hand viewed from outside, if you require the right hand then this would be **SFW2R#**, vice versa.

This denotes the colour of the component, e.g. satin, polished, chrome, gold or black.

HARDWARE APPLICATION



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COFOLD 100

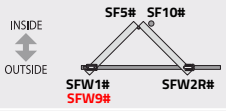
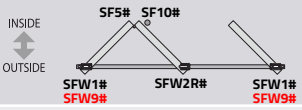
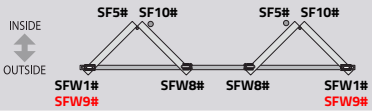
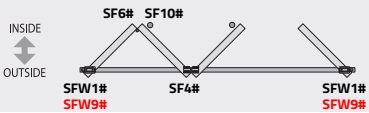
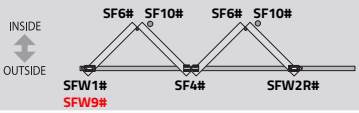
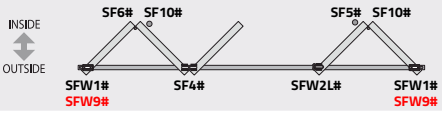
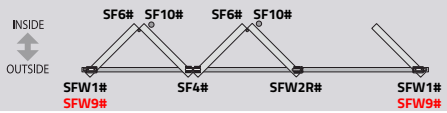
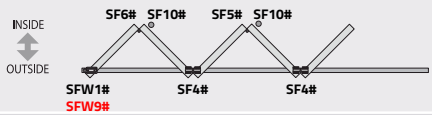
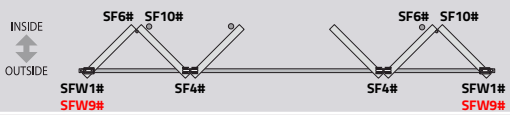
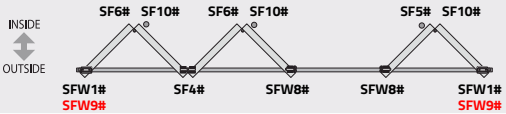
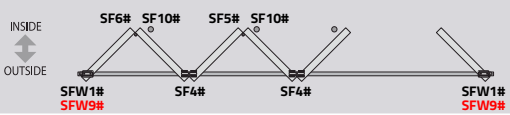
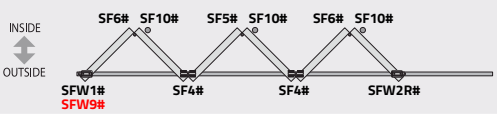
EXTERIOR USE

CoFold 100 non-morticed inward & outward opening kits.

Inward Opening Door Configurations

As viewed from the outside.

Note: On systems using door leaves that are narrow and wide and the hypotenuse is more than the door width x 1.004 then a risk of camming exists, see fitting instructions for more information or contact the office.

2 Leaf		2 x SF flushbolt, 1 x SFW1# pivot set, 1 x SF5# hinge set inward opening, 1 x SFW2R# end hanger set - right hand.* 1 x SF10# surface fit pull handle.	
2 + 1 Leaf		2 x SF flushbolt, 2 x SFW1# pivot set, 1 x SF5# hinge set inward opening, 1 x SFW2R# end hanger set - right hand* 1 x SF10# surface fit pull handle.	
3 Leaf		2 x SF flushbolt, 1 x SFW1# pivot set, 1 x SF6# offset hinge set inward opening, 1 x SF4# intermediate hanger set. 1 x SF10# surface fit pull handle.	
2 + 2 Leaf		4 x SF flushbolt, 2 x SFW1# pivot set, 2 x SF5# hinge set inward opening, 1 x SFW8# rebated end hanger meeting. 1 x SF10# surface fit pull handle.	
3 + 1 Leaf		4 x SF flushbolt, 2 x SFW1# pivot set, 1 x SF6# offset hinge set inward opening, 1 x SF4# intermediate hanger set. 1 x SF10# surface fit pull handle.	
4 Leaf		4 x SF flushbolt, 1 x SFW1# pivot set, 2 x SF6# offset hinge set inward opening, 1 x SF4# intermediate hanger set, 1 x SFW2R# end hanger set - right hand.* 2 x SF10# surface fit pull handle.	
3 + 2 Leaf		4 x SF flushbolt, 2 x SFW1# pivot set, 1 x SF4# intermediate hanger set, 1 x SF5# hinge set inward opening, 1 x SF6# offset hinge set inward opening, 1 x SFW2L# end hanger set - left hand.*	2 x SF10# surface fit pull handle.
4 + 1 Leaf		4 x SF flushbolt, 2 x SFW1# pivot set, 1 x SF4# intermediate hanger set, 2 x SF6# offset hinge set inward opening, 1 x SFW2R# end hanger set - right hand.* 2 x SF10# surface fit pull handle.	
5 Leaf		4 x SF flushbolt, 1 x SFW1# pivot set, 2 x SF4# intermediate hanger set, 1 x SF5# hinge set inward opening, 1 x SF6# offset hinge set inward opening, 2 x SF10# surface fit pull handle.	
3 + 3 Leaf		6 x SF flushbolt, 2 x SFW1# pivot set, 2 x SF4# intermediate hanger set, 2 x SF6# offset hinge set inward opening, 2 x SF10# surface fit pull handle.	
4 + 2 Leaf		6 x SF flushbolt, 2 x SFW1# pivot set, 1 x SF4# intermediate hanger set, 1 x SF5# hinge set inward opening, 2 x SF6# offset hinge set inward opening, 1 x SFW8# rebated end hanger meeting.	3 x SF10# surface fit pull handle.
5 + 1 Leaf		6 x SF flushbolt, 2 x SFW1# pivot set, 2 x SF4# intermediate hanger set, 1 x SF5# hinge set inward opening, 1 x SF6# offset hinge set inward opening. 2 x SF10# surface fit pull handle.	
6 Leaf		6 x SF flushbolt, 1 x SFW1# pivot set, 2 x SF4# intermediate hanger set, 1 x SF5# hinge set inward opening, 2 x SF6# offset hinge set inward opening, 1 x SFW2R# end hanger set - right hand.*	2 x SF10# surface fit pull handle.

Note: SFW9# intermediate pivot hinge for doors over 2200mm in height, this is optional for doors below 2200mm, but recommended for doors over 2200mm high.

***** This denotes the parts that are handed, e.g. **SFW2L#** is left hand viewed from outside, if you require the right hand then this would be **SFW2R#**, vice versa. **#** This denotes the colour of the component, e.g. satin, polished, chrome, gold or black.

COFOLD 100

EXTERIOR USE

Non-mortice, top hung, folding door system for wooden doors up to **100kg each, featuring R-Loc**.

Fitting Details.

Preparing the opening

Ensure the opening is square and all load bearing areas are suitable for the weight of the system. Take particular care to ensure there is sufficient strength in the structure above the opening to take the concentrated weight of the doors, when in the open stacked position. The Securefold system provides 10mm of horizontal and vertical adjustment. Use a plumb line to ensure that the centre line of the track and the centre line of the channel are offset by 19mm.

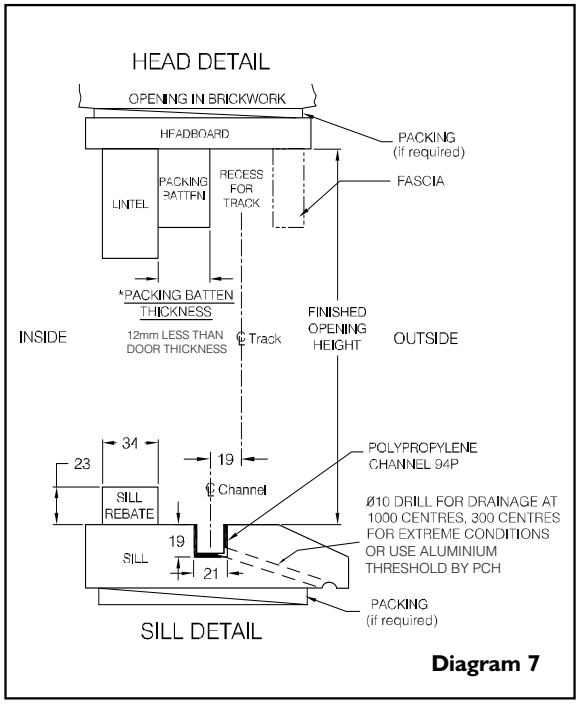


Diagram 7

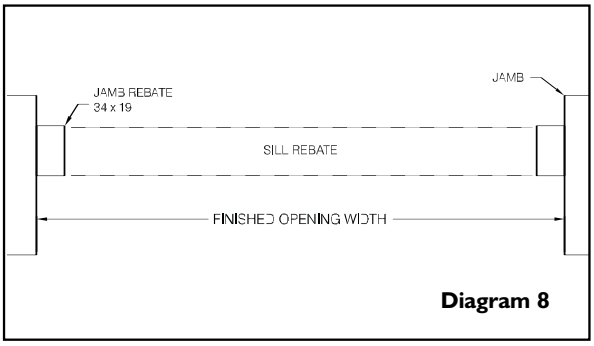


Diagram 8

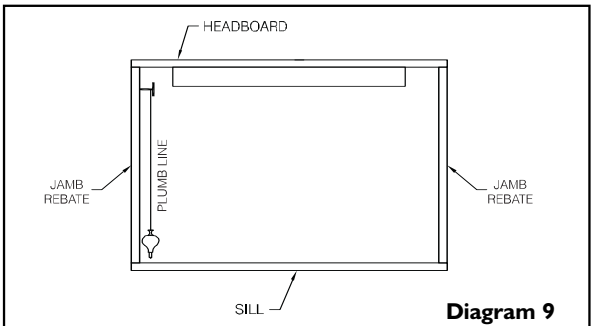


Diagram 9

Preparing the door frame

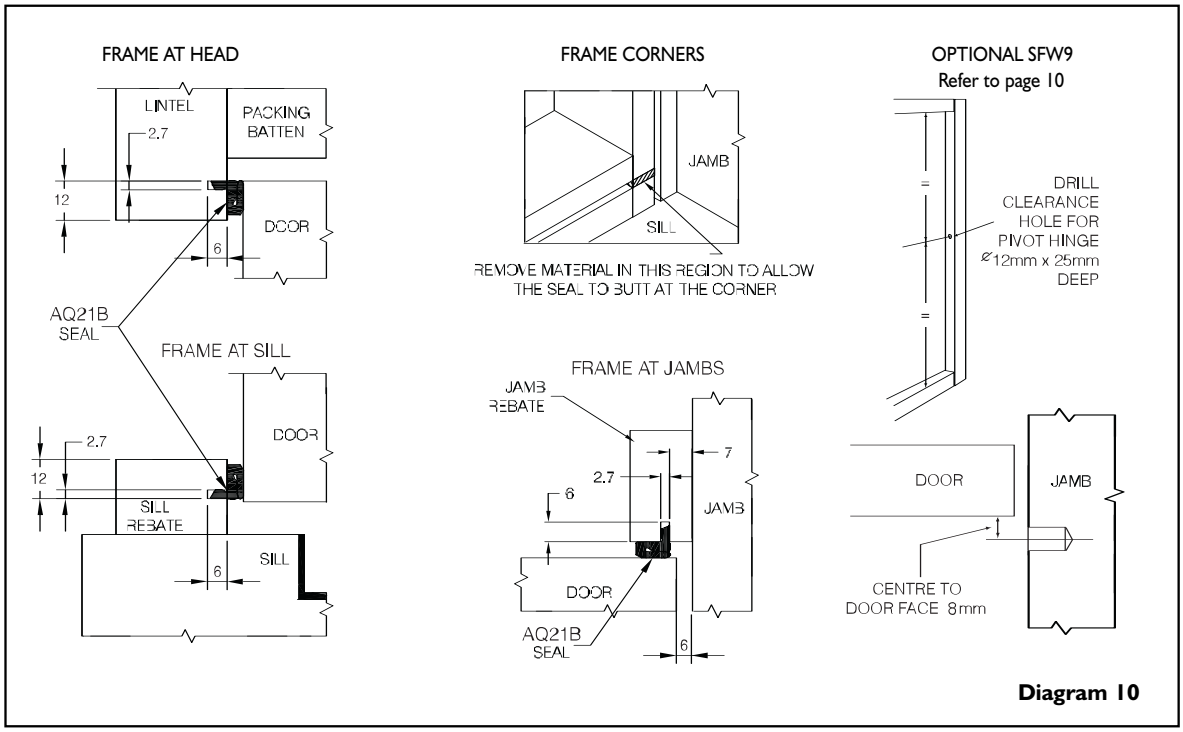


Diagram 10

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Non-mortice, top hung, folding door system for wooden doors up to **100kg each, featuring R-Loc**.

Fitting Details.

Preparing the door leaves

Door leaf width calculation

1. Decide how many door leaves you want in the opening.
2. Add together all the 3mm clearances required between door leaves and 6mm between the door and the jambs (there will be one more than the number of door leaves). This is the total clearance figure.
3. Measure the finished opening width (W) and deduct from this the total clearance figure.
4. Divide this new figure (finished opening width minus total clearance) by the number of doors to produce the actual door width. (N.B. all doors with the system are the same width).

For example: For a 4 door leaf system with a finished opening width of 2345mm the door leaf width would be 2345mm minus (3x3mm) + (2x6mm) divided by 4 (number of door leaves) = 581mm.

Door leaf height calculation

Leaf height = finished opening height (see diagram 7) minus 66mm.

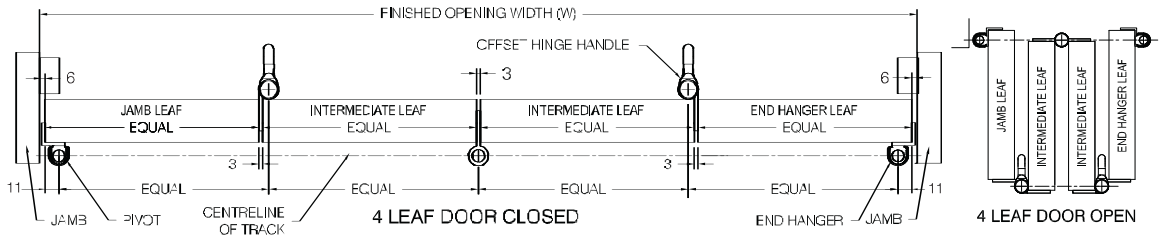
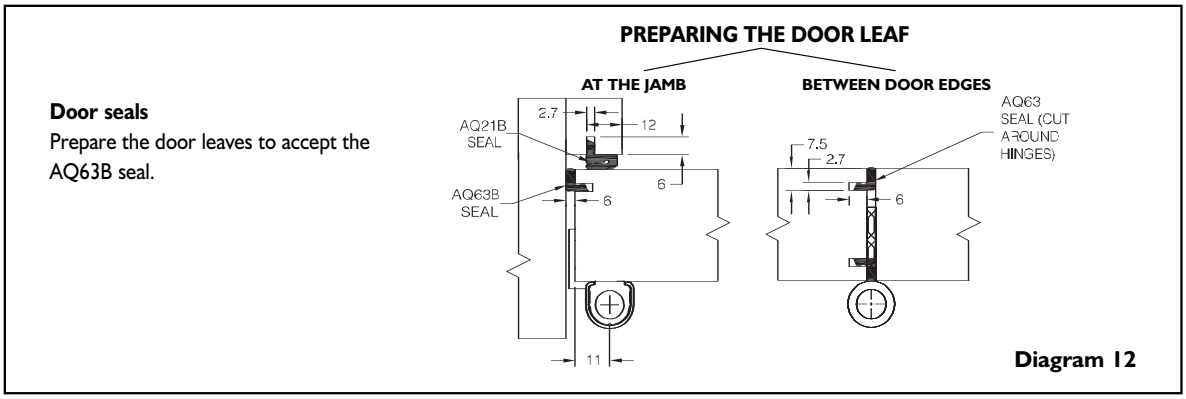


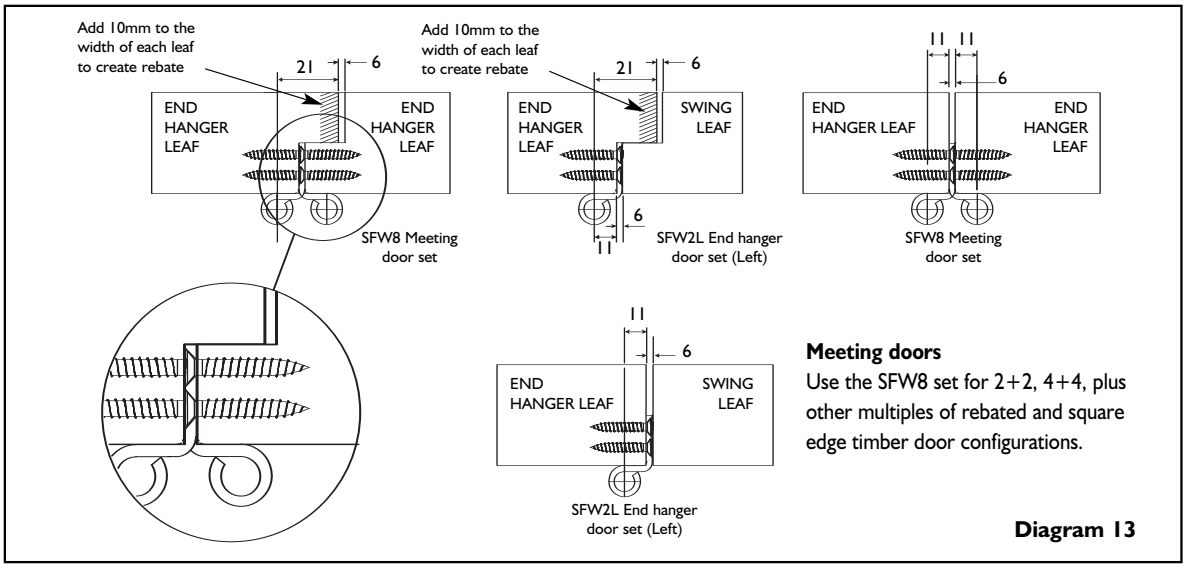
Diagram 11



Door seals

Prepare the door leaves to accept the AQ63B seal.

Diagram 12



Meeting doors

Use the SFW8 set for 2+2, 4+4, plus other multiples of rebated and square edge timber door configurations.

Diagram 13

COFOLD 100

EXTERIOR USE

Non-mortice, top hung, folding door system for wooden doors up to **100kg each, featuring R-Loc**.

Fitting Details.

Door hardware positioning

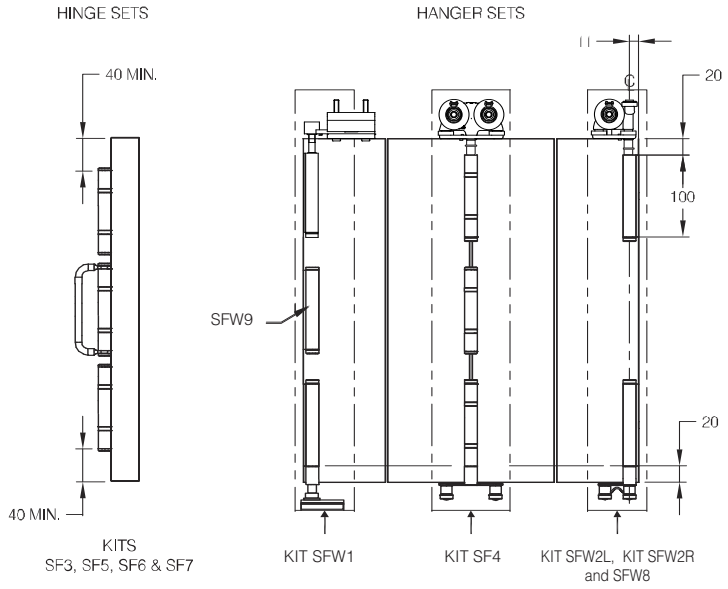


Diagram 14

End door leaf preparation

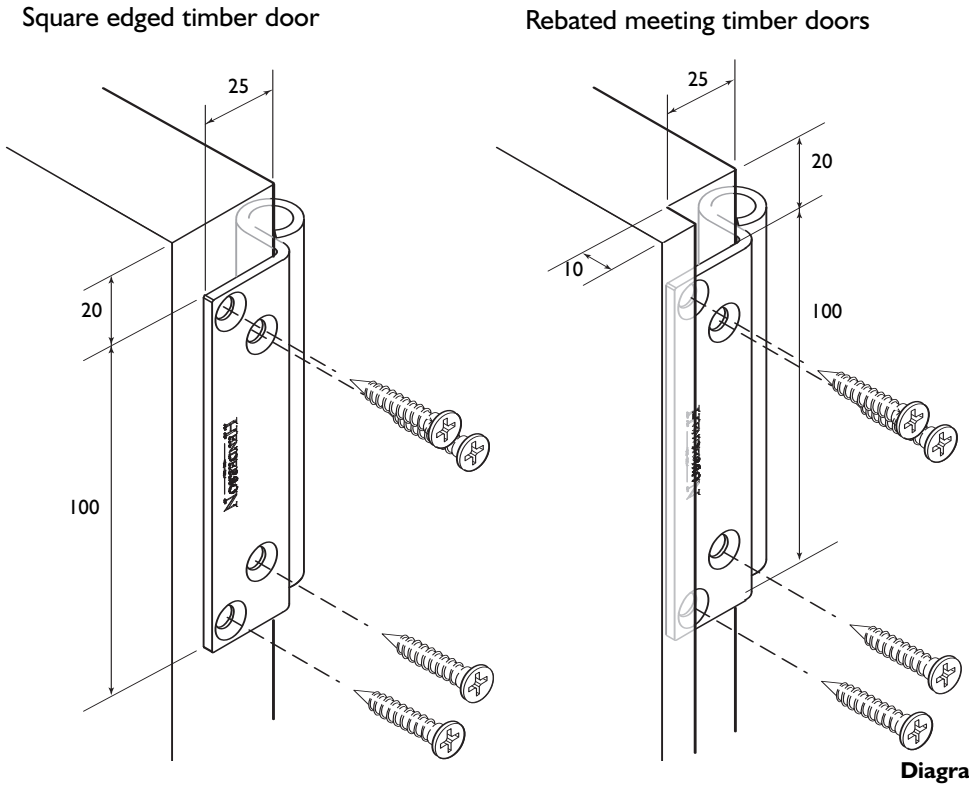


Diagram 15

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Non-mortice, top hung, folding door system for wooden doors up to **100kg each, featuring R-Loc**.

Fitting Details.

Door hardware attachment

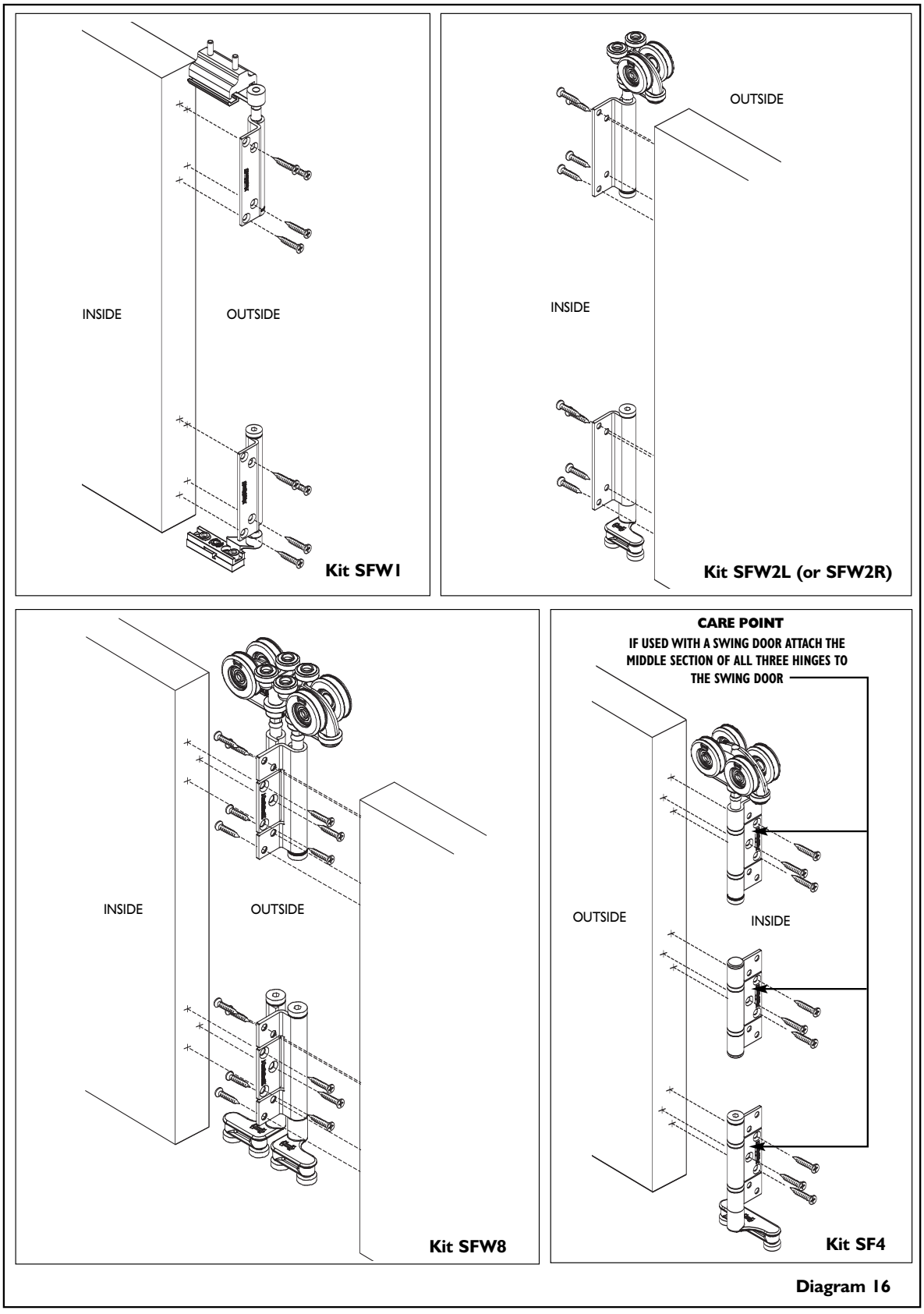

Diagram 16

COFOLD 100

EXTERIOR USE

Non-mortice, top hung, folding door system for wooden doors up to **100kg each, featuring R-Loc**.

Fitting Details.

INSTALLATION

1. Ensure that you have all the required parts. Unpack the components and identify the parts. Lay the parts on the ground in the same configuration as they will be when installed. It is recommended that a light smear of general purpose grease is applied to all bolts prior to assembly.

2. Cut the track to the required length and pre-drill for fixings in accordance with diagram 17. Please note that the extra fixings are required where the doors stack together.

3. Cut the channel to the required length and fit in the sill. Drill drainage holes (see diagram 1).

4. Remove all the wheel assemblies and pivot block from the hanger and pivot bolts, and disassemble top pivot block assembly. Move bolt hold to unwind/unlock.

5. Slide the wheel assemblies and track pivot block into the track in the correct order, orientation, and position and fix the track in position. Reassemble top pivot block assembly (see diagram 18).

6. Remove the bottom pivot assembly and guide roller assembly (see diagram 19). Disassemble the bottom pivot assembly.

7. For installation, assemble leaves in pairs via the hinges. To improve the ease of installation pre-drill pilot holes for all hinge parts. Fit kits SFW1, SF7,SF4 and SFW9 (optional) to first pair of leaves.
Please ensure all 4 screws are fixed per end hinge.

8. Screw the bottom anchor of the bottom pivot assembly to the base of the channel 14mm from the jamb. Please note, the screw nearest the end of the bottom anchor is closest to the jamb (see diagram 20). Reassemble the pivot assembly leaving the clamping screws loose (see diagram 24). Line up flats, turn to tighten (audible clicks).

9. Suspend pairs of leaves by engaging top pivot and hanger bolts using 5mm allen key (not supplied) (see top of diagram 19).

10. Attach the bottom pivot and guide assembly to their respective hinges, adjust the bottom pivot side plates position so that it engages with the hinge bolt. Tighten pivot and guide strap bolts (see diagram 21).

11. Lift the next pair of leaves into position and support their weight by screwing the hanger strap bolt into the hanger wheel assembly and fixing the second and third leaves together.

12. Continue this procedure until all leaves are fitted.

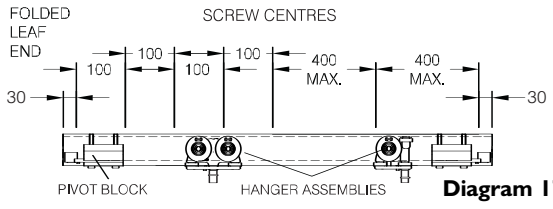

Diagram 17

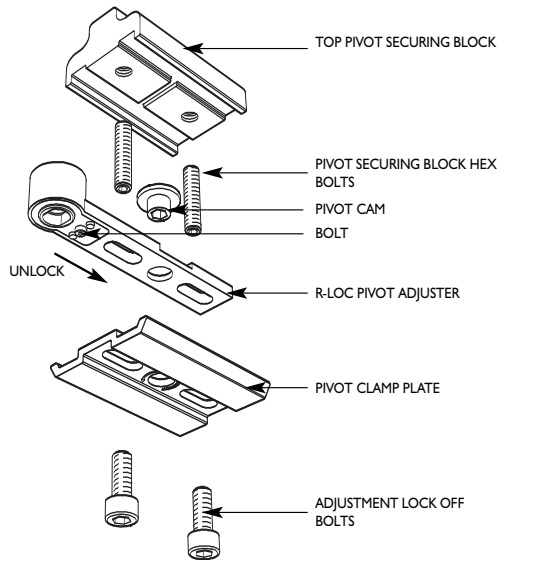

Diagram 18

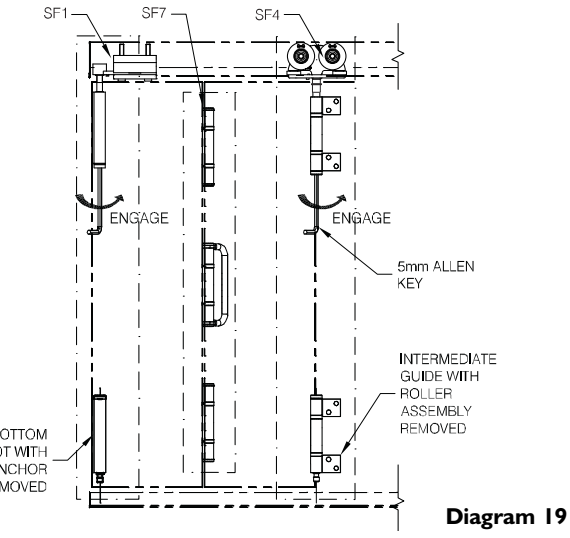

Diagram 19

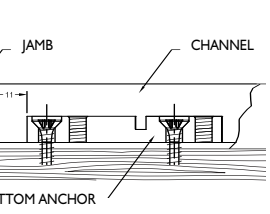

Diagram 20

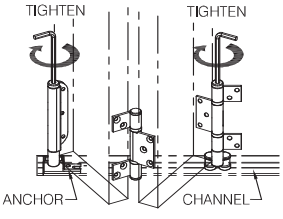

Diagram 21

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Non-mortice, top hung, folding door system for wooden doors up to **100kg each, featuring R-Loc**.

Fitting Details.

ADJUSTMENT

Height Adjustment (± 3mm)

1. Close leaves and adjust the door height to achieve an equal gap between the top of the leaves and the track (a 9mm gap is recommended). (see diagram 22).

2. To adjust turn strapbolt (audible clicks)

To adjust down slide and hold bolt head at the same time loosening strapbolt

Lateral Adjustment

1. With the unit still in the closed position, slide the set of leaves towards the jamb to obtain the desired gap between the jamb and the pivot door. A gap of 6mm is recommended using the adjustment cam. Once in position tighten the clamp screws. (see diagram 24).

2. Fold the leaves and adjust the bottom side plate using the allen key so that the gap between the door and the jamb is the same over the full length of the door.

3. Tighten the two clamping screws to lock the side plate to the bottom anchor.

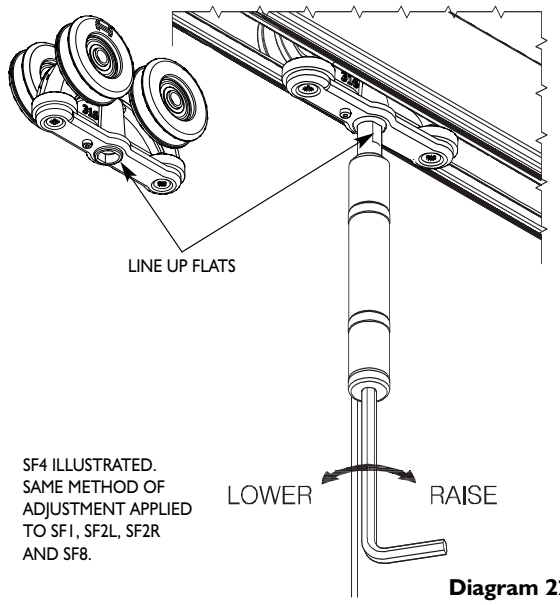


Diagram 22

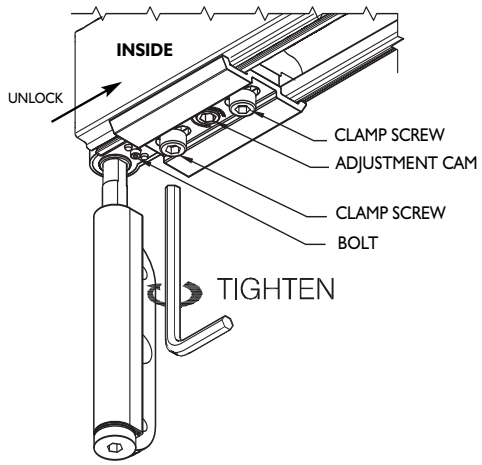


Diagram 23

CARE AND MAINTENANCE

To provide years of trouble free operation, it is recommended that the track is kept free from dirt and debris. Periodically replace the general purpose grease on all bolts. To prolong the appearance of the exposed hinge parts, it is recommended they are periodically washed with soap and water. Maintenance is required on all components including stainless steel to validate manufacturers warranty. For further maintenance details please refer to our website.

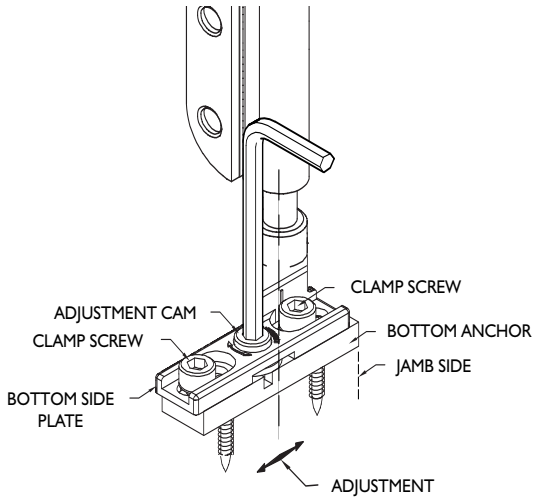


Diagram 24

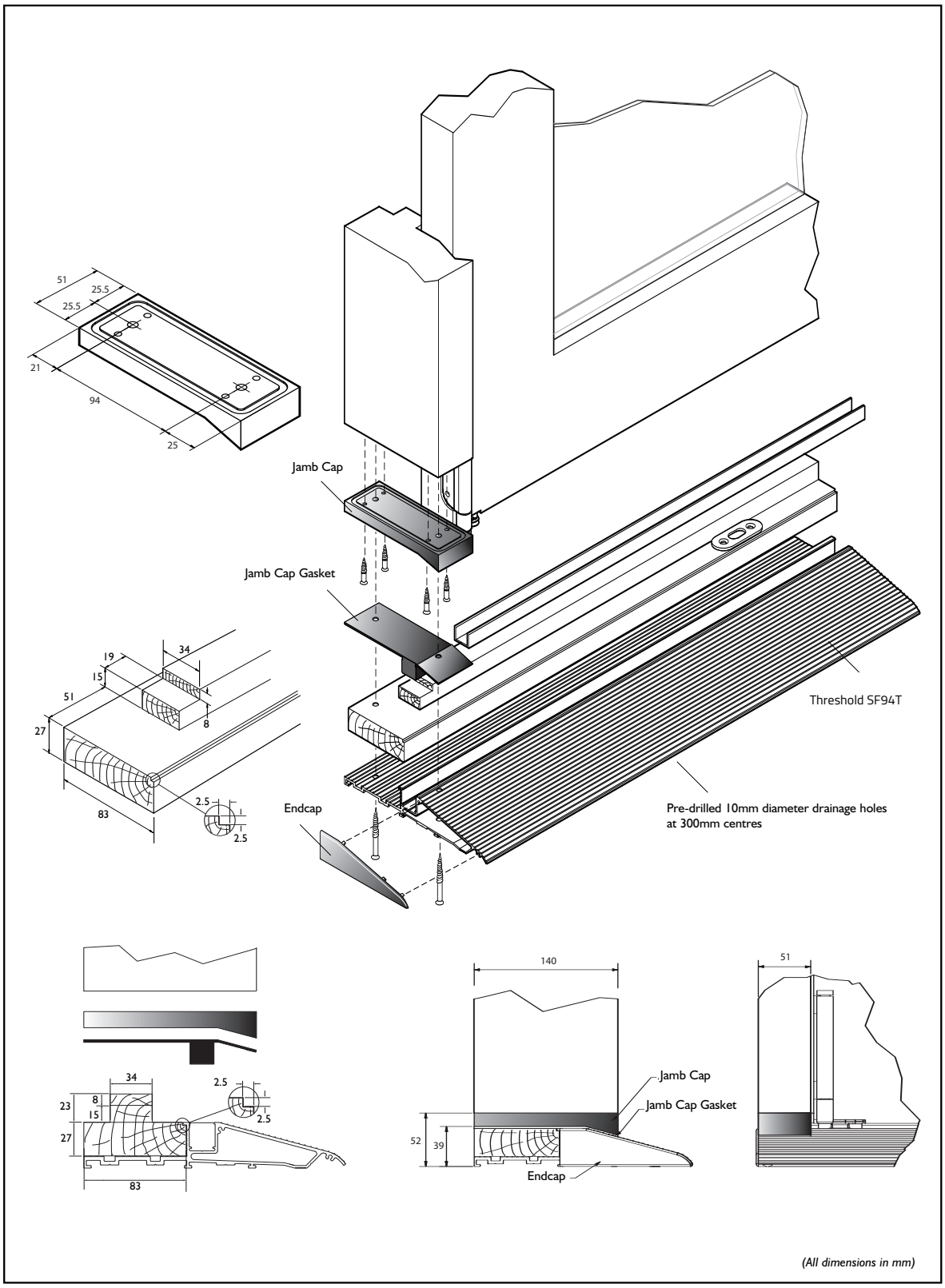
COFOLD 100

EXTERIOR USE

Non-mortice, top hung, folding door system for wooden doors up to **100kg each, featuring R-Loc**.

Fitting Details.

Aluminium Threshold Jamb Kit



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COFOLD 100

EXTERIOR USE

Non-mortice, top hung, folding door system for wooden doors up to **100kg each, featuring R-Loc**.

Fitting Details.

SFW9 Intermediate Pivot Set

1. The SFW9 intermediate pivot set shown in Diagram 1, should be fitted to the pivot door approximately mid way between the SFW1 top and bottom pivot assemblies. The SFW9 hinge must be positioned on the same centre line as the SFW1 top and bottom pivot hinge bodies.
2. Prepare the frame for the opening by drilling a Ø12mm hole (as shown in Diagram 3), ensuring that the centre point of the hole is 20mm lower than the bottom of the hinge body as shown on Diagram 4. Rebate the frame support plate, if required.
3. Screw the frame support plate on to the opening frame preparation, as shown in Diagram 3.
4. Fit the pivot door into position using the SFW1 pivot set.
6. Fit the SFW9 cover sleeve on to the SFW9 hinge body and drop the hinge strap bolt into position, as shown in Diagram 4.
7. Screw the threaded link arm fully into the frame support plate. The centre of the threaded hole in the link arm should be positioned to receive the strap bolt. Screw the strap bolt in to the link arm until there is a 2mm gap between the head of the strap bolt and the hinge body, as shown in Diagram 4.
8. Adjust the SFW9 pivot set to ensure the clearance between the pivot door and the frame is uniform (Diagram 5).

Note: These fitting instructions should be used in conjunction with the Securefold Non -Mortice Fitting Instructions

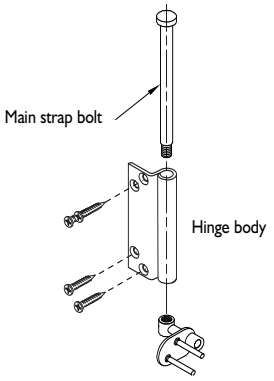


Diagram 1.

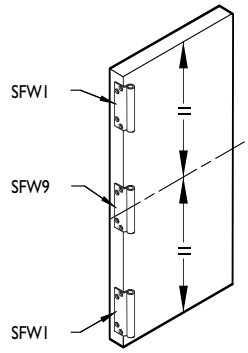
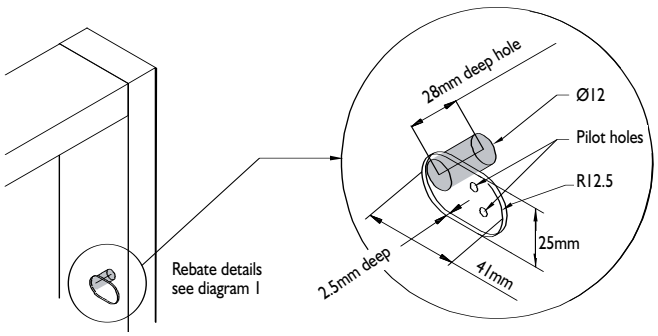


Diagram 2.



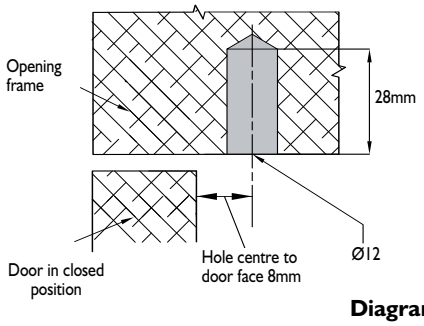


Diagram 3.

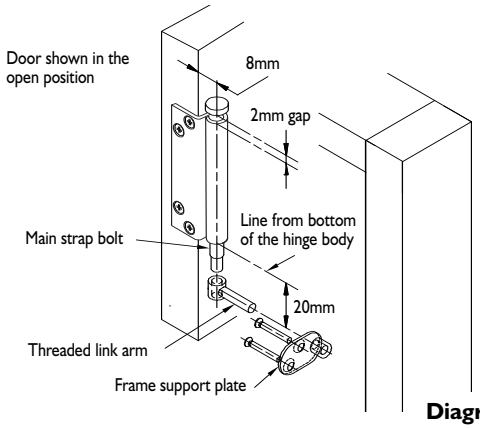


Diagram 4.

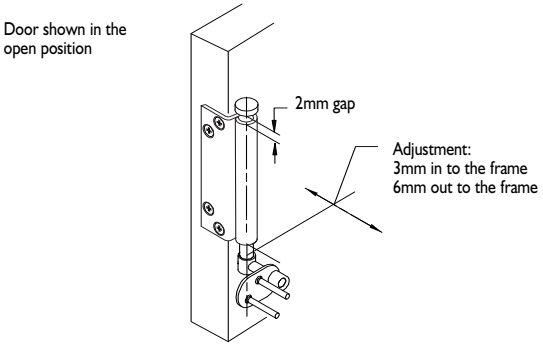


Diagram 5.

COFOLD 100

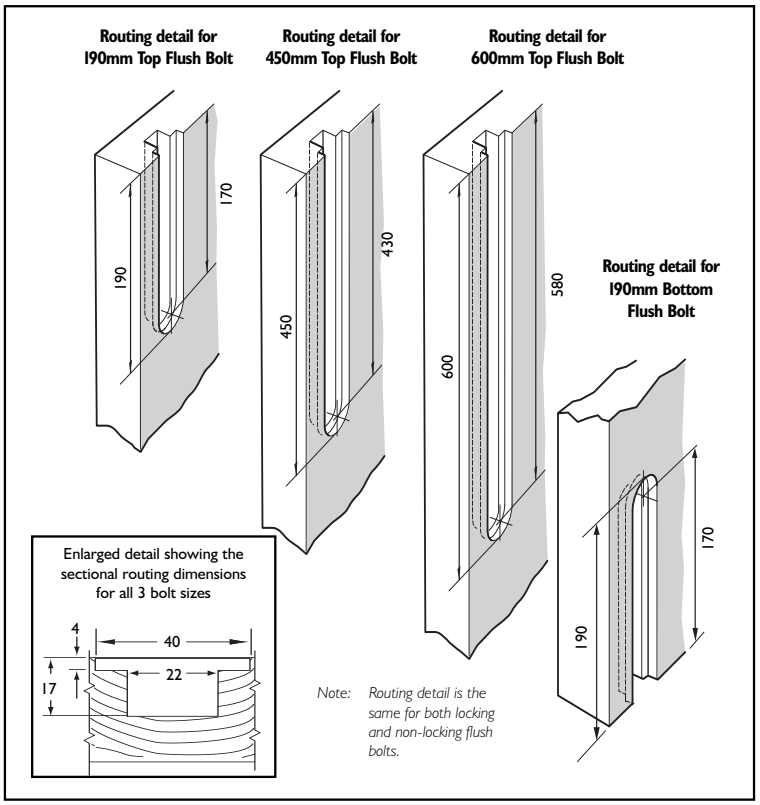
EXTERIOR USE

Non-mortice, top hung, folding door system for wooden doors up to **100kg each, featuring R-Loc**.

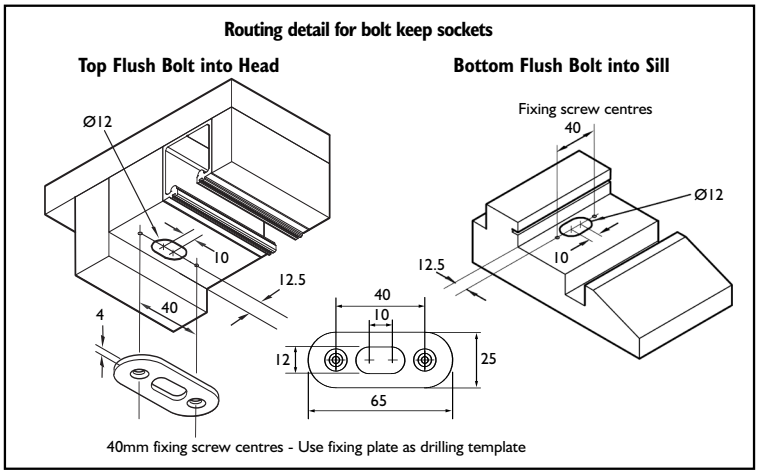
Fitting Details.

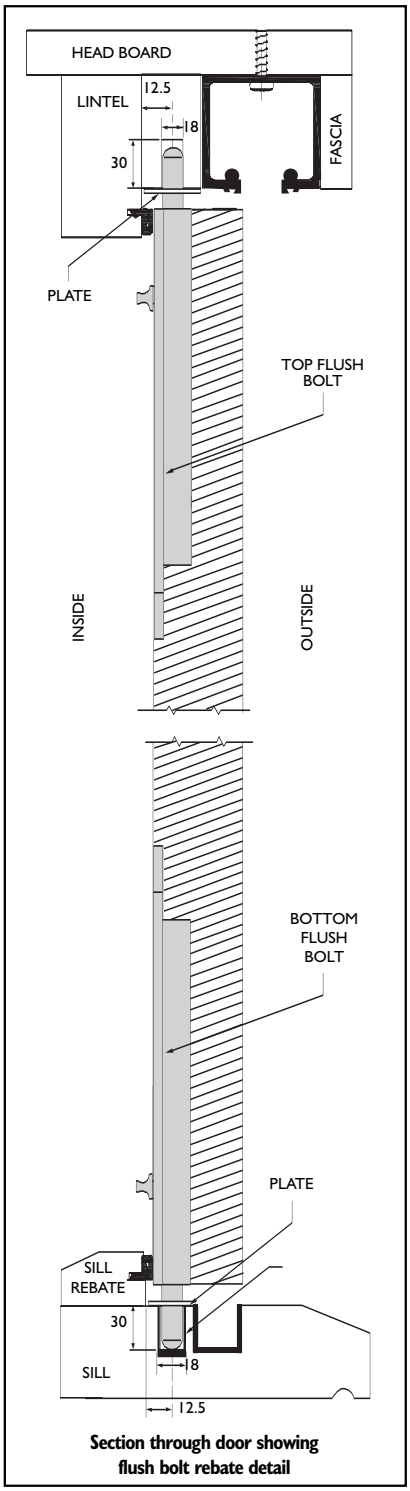
Outward Opening Flush Bolt

For top hung exterior folding doors. For use in conjunction with standard outward opening fitting instructions. Follow routing instructions for the bolt keep and flush bolt length to be fitted, fit both with the screws supplied. Suitable pilot holes for screws are recommended.



Door height	Recommended Bolt length for top of door	Recommended Bolt length for bottom of door
Upto 2200mm	190mm	190mm
Upto 2450mm	450mm	190mm
Over 2450mm	600mm	190mm





(All dimensions in mm)

COFOLD 100

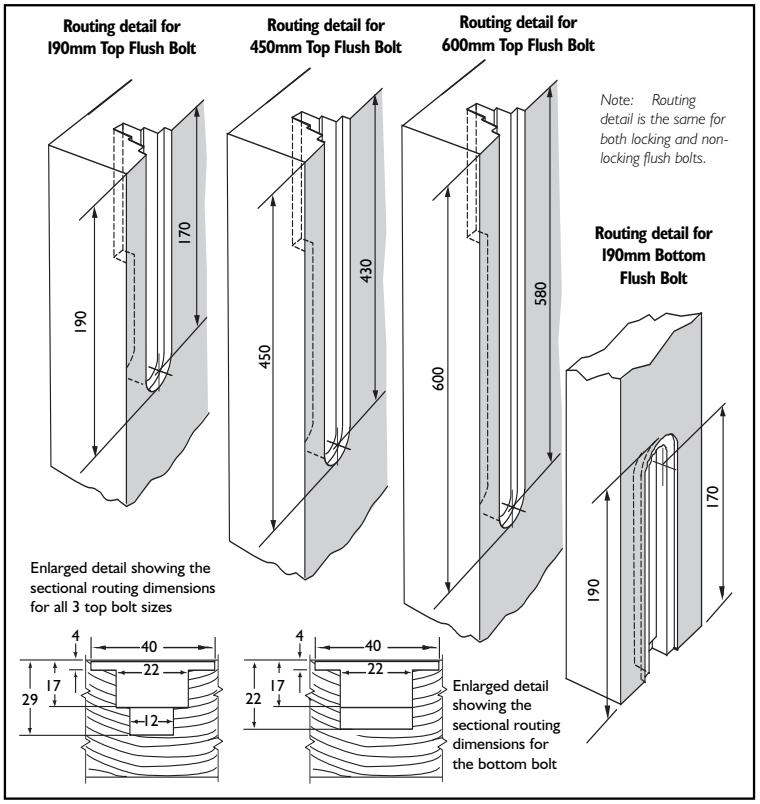
EXTERIOR USE

Non-mortice, top hung, folding door system for wooden doors up to **100kg each, featuring R-Loc**.

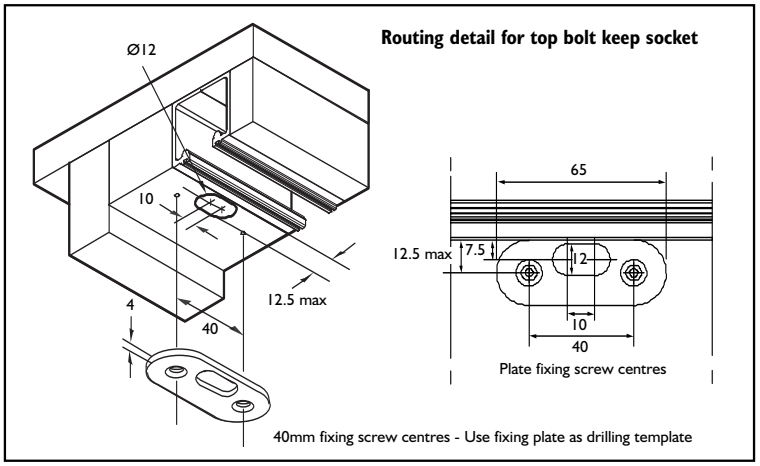
Fitting Details.

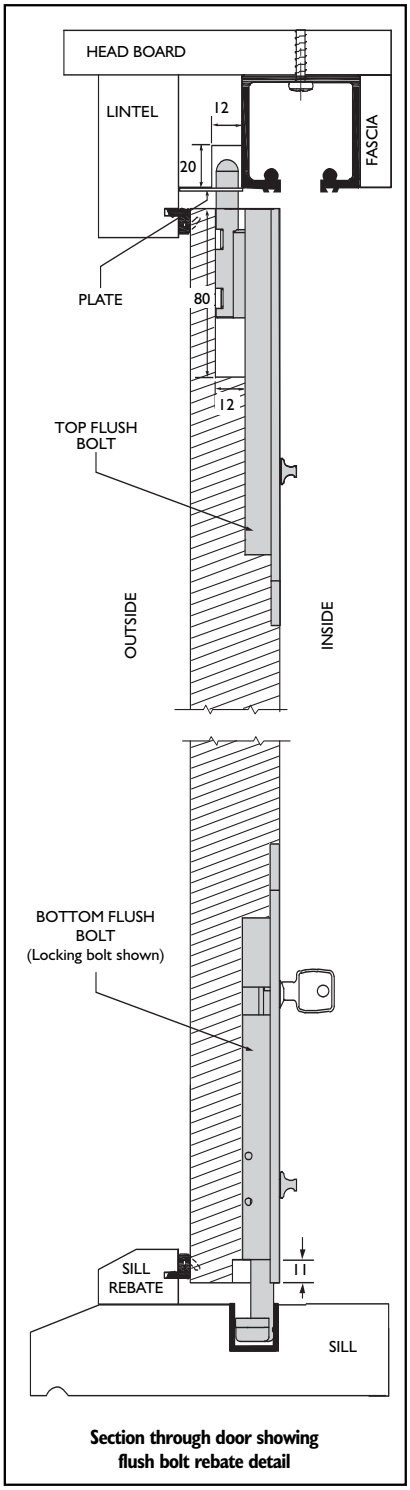
Inward Opening Flush Bolt

For top hung exterior folding doors. For use in conjunction with standard inward opening fitting instructions. Follow routing instructions for the bolt keep and flush bolt length to be fitted, fit both with the screws supplied. Suitable pilot holes for screws are recommended.



Door height	Recommended Bolt length for top of door	Recommended Bolt length for bottom of door
Upto 2200mm	190mm	190mm
Upto 2450mm	450mm	190mm
Over 2450mm	600mm	190mm





Section through door showing flush bolt rebate detail

(All dimensions in mm)

COFOLD 100

EXTERIOR USE

CoFold 100 non-morticed inward & outward opening kits.

If you require any help with these kits, please contact a member of our sales team.

Inward Opening Kits

Part Number	Description	Operation - Viewed from Outside	Finish
CFK-N-I-22-PSS	4 Door CoFold Kit, Inward Opening - Non-Mortice	2 Doors Left, 2 Doors Right, Universal	Polished Stainless Steel
CFK-N-I-22-SSS	4 Door CoFold Kit, Inward Opening - Non-Mortice	2 Doors Left, 2 Doors Right, Universal	Satin Stainless Steel
CFK-N-I-2L-SSS	2 Door CoFold Kit, Inward Opening - Non-Mortice	2 Doors Left	Satin Stainless Steel
CFK-N-I-2L1R-SSS	3 Door CoFold Kit, Inward Opening - Non-Mortice	2 Doors Left, 1 Door Right	Satin Stainless Steel
CFK-N-I-2R-SSS	2 Door CoFold Kit, Inward Opening - Non-Mortice	2 Doors Right	Satin Stainless Steel
CFK-N-I-2R1L-SSS	3 Door CoFold Kit, Inward Opening - Non-Mortice	2 Doors Right, 1 Door Left	Satin Stainless Steel
CFK-N-I-3-BK	3 Door CoFold Kit, Inward Opening - Non-Mortice	3 Doors Left or Right, Universal	PVD Black
CFK-N-I-3-PB	3 Door CoFold Kit, Inward Opening - Non-Mortice	3 Doors Left or Right, Universal	Polished Brass
CFK-N-I-3-PSS	3 Door CoFold Kit, Inward Opening - Non-Mortice	3 Doors Left or Right, Universal	Polished Stainless Steel
CFK-N-I-3-SSS	3 Door CoFold Kit, Inward Opening - Non-Mortice	3 Doors Left or Right, Universal	Satin Stainless Steel
CFK-N-I-31-BK	4 Door CoFold Kit, Inward Opening - Non-Mortice	3 Doors + 1 Door, Universal	PVD Black
CFK-N-I-31-PB	4 Door CoFold Kit, Inward Opening - Non-Mortice	3 Doors + 1 Door, Universal	Polished Brass
CFK-N-I-31-PSS	4 Door CoFold Kit, Inward Opening - Non-Mortice	3 Doors + 1 Door, Universal	Polished Stainless Steel
CFK-N-I-31-SSS	4 Door CoFold Kit, Inward Opening - Non-Mortice	3 Doors + 1 Door, Universal	Satin Stainless Steel
CFK-N-I-3L2R-SSS	5 Door CoFold Kit, Inward Opening - Non-Mortice	3 Doors Left, 2 Doors Right	Satin Stainless Steel
CFK-N-I-3R2L-SSS	5 Door CoFold Kit, Inward Opening - Non-Mortice	3 Doors Right, 2 Doors Left	Satin Stainless Steel
CFK-N-I-4L-SSS	4 Door CoFold Kit, Inward Opening - Non-Mortice	4 Doors Left	Satin Stainless Steel
CFK-N-I-4L1R-SSS	5 Door CoFold Kit, Inward Opening - Non-Mortice	4 Doors Left, 1 Door Right	Satin Stainless Steel
CFK-N-I-4R-SSS	4 Door CoFold Kit, Inward Opening - Non-Mortice	4 Doors Right	Satin Stainless Steel
CFK-N-I-4R1L-SSS	5 Door CoFold Kit, Inward Opening - Non-Mortice	4 Doors Right, 1 Door Left	Satin Stainless Steel
CFK-N-I-5-SSS	5 Door CoFold Kit, Inward Opening - Non-Mortice	5 Doors Left or Right, Universal	Satin Stainless Steel
CFK-N-I-6L-SSS	6 Door CoFold Kit, Inward Opening - Non-Mortice	6 Doors Left	Satin Stainless Steel
CFK-N-I-6R-SSS	6 Door CoFold Kit, Inward Opening - Non-Mortice	6 Doors Right	Satin Stainless Steel

Outward Opening Kits

Part Number	Description	Operation - Viewed from Outside	Finish
CFK-N-O-22-BK	4 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Left, 2 Doors Right, Universal	PVD Black
CFK-N-O-22-PB	4 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Left, 2 Doors Right, Universal	Polished Brass
CFK-N-O-22-PSS	4 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Left, 2 Doors Right, Universal	Polished Stainless Steel
CFK-N-O-22-SSS	4 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Left, 2 Doors Right, Universal	Satin Stainless Steel
CFK-N-O-2L-BK	2 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Left	PVD Black
CFK-N-O-2L-PB	2 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Left	Polished Brass
CFK-N-O-2L-PSS	2 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Left	Polished Stainless Steel
CFK-N-O-2L-SSS	2 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Left	Satin Stainless Steel
CFK-N-O-2L1R-BK	3 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Left, 1 Door Right	PVD Black
CFK-N-O-2L1R-PB	3 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Left, 1 Door Right	Polished Brass
CFK-N-O-2L1R-PSS	3 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Left, 1 Door Right	Polished Stainless Steel
CFK-N-O-2L1R-SSS	3 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Left, 1 Door Right	Satin Stainless Steel
CFK-N-O-2R-BK	2 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Right	PVD Black
CFK-N-O-2R-PB	2 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Right	Polished Brass
CFK-N-O-2R-PSS	2 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Right	Polished Stainless Steel
CFK-N-O-2R-SSS	2 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Right	Satin Stainless Steel
CFK-N-O-2R1L-BK	3 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Right, 1 Door Left	PVD Black
CFK-N-O-2R1L-PB	3 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Right, 1 Door Left	Polished Brass
CFK-N-O-2R1L-PSS	3 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Right, 1 Door Left	Polished Stainless Steel
CFK-N-O-2R1L-SSS	3 Door CoFold Kit, Outward Opening - Non-Mortice	2 Doors Right, 1 Door Left	Satin Stainless Steel
CFK-N-O-3-BK	3 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Left or Right, Universal	PVD Black
CFK-N-O-3-PB	3 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Left or Right, Universal	Polished Brass
CFK-N-O-3-PSS	3 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Left or Right, Universal	Polished Stainless Steel
CFK-N-O-3-SSS	3 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Left or Right, Universal	Satin Stainless Steel
CFK-N-O-3-SSS-B	3 Door CoFold Kit, Outward Opening (Size B) - Non-Mortice	3 Doors Left or Right, Universal	Satin Stainless Steel
CFK-N-O-3-SSS-C	3 Door CoFold Kit, Outward Opening (Size C) - Non-Mortice	3 Doors Left or Right, Universal	Satin Stainless Steel
CFK-N-O-31-BK	4 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors + 1 Door, Universal	PVD Black
CFK-N-O-31-PB	4 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors + 1 Door, Universal	Polished Brass
CFK-N-O-31-PSS	4 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors + 1 Door, Universal	Polished Stainless Steel
CFK-N-O-31-SSS	4 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors + 1 Door, Universal	Satin Stainless Steel
CFK-N-O-33-BK	6 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Left, 3 Doors Right, Universal	PVD Black
CFK-N-O-33-PB	6 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Left, 3 Doors Right, Universal	Polished Brass
CFK-N-O-33-PSS	6 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Left, 3 Doors Right, Universal	Polished Stainless Steel
CFK-N-O-33-SSS	6 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Left, 3 Doors Right, Universal	Satin Stainless Steel
CFK-N-O-3L2R-BK	5 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Left, 2 Doors Right	PVD Black
CFK-N-O-3L2R-PB	5 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Left, 2 Doors Right	Polished Brass
CFK-N-O-3L2R-PSS	5 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Left, 2 Doors Right	Polished Stainless Steel
CFK-N-O-3L2R-SSS	5 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Left, 2 Doors Right	Satin Stainless Steel
CFK-N-O-3R2L-BK	5 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Right, 2 Doors Left	PVD Black
CFK-N-O-3R2L-PB	5 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Right, 2 Doors Left	Polished Brass
CFK-N-O-3R2L-PSS	5 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Right, 2 Doors Left	Polished Stainless Steel
CFK-N-O-3R2L-SSS	5 Door CoFold Kit, Outward Opening - Non-Mortice	3 Doors Right, 2 Doors Left	Satin Stainless Steel

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CoFold 100 non-morticed outward opening kits. Continued....

If you require any help with these kits, please contact a member of our sales team.

CFK-N-O-42-BK	6 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors + 2 Doors, Universal	PVD Black
CFK-N-O-42-PB	6 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors + 2 Doors, Universal	Polished Brass
CFK-N-O-42-PSS	6 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors + 2 Doors, Universal	Polished Stainless Steel
CFK-N-O-42-SSS	6 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors + 2 Doors, Universal	Satin Stainless Steel
CFK-N-O-4L-BK	4 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Left	PVD Black
CFK-N-O-4L-PB	4 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Left	Polished Brass
CFK-N-O-4L-PSS	4 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Left	Polished Stainless Steel
CFK-N-O-4L-SSS	4 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Left	Satin Stainless Steel
CFK-N-O-4L1R-BK	5 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Left, 1 Door Right	PVD Black
CFK-N-O-4L1R-PB	5 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Left, 1 Door Right	Polished Brass
CFK-N-O-4L1R-PSS	6 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Left, 1 Door Right	Polished Stainless Steel
CFK-N-O-4L1R-SSS	5 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Left, 1 Door Right	Satin Stainless Steel
CFK-N-O-4L3R-BK	7 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Left, 3 Doors Right	PVD Black
CFK-N-O-4L3R-PB	7 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Left, 3 Doors Right	Polished Brass
CFK-N-O-4L3R-PSS	7 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Left, 3 Doors Right	Polished Stainless Steel
CFK-N-O-4L3R-SSS	7 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Left, 3 Doors Right	Satin Stainless Steel
CFK-N-O-4R-BK	4 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Right	PVD Black
CFK-N-O-4R-PB	4 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Right	Polished Brass
CFK-N-O-4R-PSS	4 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Right	Polished Stainless Steel
CFK-N-O-4R-SSS	4 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Right	Satin Stainless Steel
CFK-N-O-4R1L-BK	5 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Right, 1 Door Left	PVD Black
CFK-N-O-4R1L-PB	5 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Right, 1 Door Left	Polished Brass
CFK-N-O-4R1L-PSS	5 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Right, 1 Door Left	Polished Stainless Steel
CFK-N-O-4R1L-SSS	5 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Right, 1 Door Left	Satin Stainless Steel
CFK-N-O-4R3L-BK	7 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Right, 3 Door Left	PVD Black
CFK-N-O-4R3L-PB	7 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Right, 3 Door Left	Polished Brass
CFK-N-O-4R3L-PSS	7 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Right, 3 Door Left	Polished Stainless Steel
CFK-N-O-4R3L-SSS	7 Door CoFold Kit, Outward Opening - Non-Mortice	4 Doors Right, 3 Door Left	Satin Stainless Steel
CFK-N-O-5-BK	5 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors Left or Right, Universal	PVD Black
CFK-N-O-5-PB	5 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors Left or Right, Universal	Polished Brass
CFK-N-O-5-PSS	5 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors Left or Right, Universal	Polished Stainless Steel
CFK-N-O-5-SSS	5 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors Left or Right, Universal	Satin Stainless Steel
CFK-N-O-51-BK	6 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors + 1 Door, Universal	PVD Black
CFK-N-O-51-PB	6 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors + 1 Door, Universal	Polished Brass
CFK-N-O-51-PSS	6 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors + 1 Door, Universal	Polished Stainless Steel
CFK-N-O-51-SSS	6 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors + 1 Door, Universal	Satin Stainless Steel
CFK-N-O-53-BK	8 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors + 3 Doors, Universal	PVD Black
CFK-N-O-53-PSS	8 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors + 3 Doors, Universal	Polished Stainless Steel
CFK-N-O-53-SSS	8 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors + 3 Doors, Universal	Satin Stainless Steel
CFK-N-O-5L2R-BK	7 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors Left, 2 Doors Right	PVD Black
CFK-N-O-5L2R-PB	7 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors Left, 2 Doors Right	Polished Brass
CFK-N-O-5L2R-PSS	7 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors Left, 2 Doors Right	Polished Stainless Steel
CFK-N-O-5L2R-SSS	7 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors Left, 2 Doors Right	Satin Stainless Steel
CFK-N-O-5R2L-BK	7 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors Right, 2 Doors Left	PVD Black
CFK-N-O-5R2L-PB	7 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors Right, 2 Doors Left	Polished Brass
CFK-N-O-5R2L-PSS	7 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors Right, 2 Doors Left	Polished Stainless Steel
CFK-N-O-5R2L-SSS	7 Door CoFold Kit, Outward Opening - Non-Mortice	5 Doors Right, 2 Doors Left	Satin Stainless Steel
CFK-N-O-6L-BK	6 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Left	PVD Black
CFK-N-O-6L-PB	6 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Left	Polished Brass
CFK-N-O-6L-PSS	6 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Left	Polished Stainless Steel
CFK-N-O-6L-SSS	6 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Left	Satin Stainless Steel
CFK-N-O-6L1R-BK	7 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Left, 1 Door Right	PVD Black
CFK-N-O-6L1R-PB	7 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Left, 1 Door Right	Polished Brass
CFK-N-O-6L1R-PSS	7 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Left, 1 Door Right	Polished Stainless Steel
CFK-N-O-6L1R-SSS	7 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Left, 1 Door Right	Satin Stainless Steel
CFK-N-O-6R-BK	6 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Right	PVD Black
CFK-N-O-6R-PB	6 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Right	Polished Brass
CFK-N-O-6R-PSS	6 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Right	Polished Stainless Steel
CFK-N-O-6R-SSS	6 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Right	Satin Stainless Steel
CFK-N-O-6R1L-BK	7 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Right, 1 Door Left	PVD Black
CFK-N-O-6R1L-PB	7 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Right, 1 Door Left	Polished Brass
CFK-N-O-6R1L-PSS	7 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Right, 1 Door Left	Polished Stainless Steel
CFK-N-O-6R1L-SSS	7 Door CoFold Kit, Outward Opening - Non-Mortice	6 Doors Right, 1 Door Left	Satin Stainless Steel
CFK-N-O-7-BK	7 Door CoFold Kit, Outward Opening - Non-Mortice	7 Doors Left or Right, Universal	PVD Black
CFK-N-O-7-PB	7 Door CoFold Kit, Outward Opening - Non-Mortice	7 Doors Left or Right, Universal	Polished Brass
CFK-N-O-7-PSS	7 Door CoFold Kit, Outward Opening - Non-Mortice	7 Doors Left or Right, Universal	Polished Stainless Steel
CFK-N-O-7-SSS	7 Door CoFold Kit, Outward Opening - Non-Mortice	7 Doors Left or Right, Universal	Satin Stainless Steel

ROLKAR

EXTERIOR USE

COASTAL

Outward opening, non-mortice, bottom rolling, folding door system for wooden doors up to **80kg each**.

Enables folding doors to be installed into any space without major structural building support.
Easy installation and smooth operation which can be adjusted both vertically and laterally within the framework.

Applications

> Residential and commercial timber exterior folding applications.
> Specially suited to coastal environments with all components made from 316 stainless steel, anodised aluminium or engineering polymers.
> End folding timber doors folding to one or both sides.
> Standard folding configurations features doors folding outward only.
> Available in satin stainless steel, polished stainless steel, pvd black & pvd brass.

Door Specification

> Maximum door weight	**80kg.**
> Door thickness between	**56-68mm.**
> Maximum door width	**1000mm.**
> Maximum door height	**3000mm.**
> Door Operation	**Open Out Only.**

Note: there are a number of options when it comes to locking, please contact the office to discuss your requirements and we will guide you to the best locking options available.

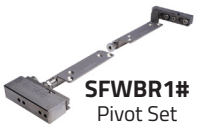
General Specification

 # denotes the colour of the component

Component	Description	Part Number
Bottom Track	Rolkar bottom rolling 242 anodised aluminium bottom track (25 microns). Available in lengths; 3250, 4250 & 6000mm.	**242/3000** **242/4000** **242/6000**
Door Hanger/ Hinge/Guide Sets **(316 Stainless Steel)**	Rolkar bottom rolling non-mortice pivot assembly. Rolkar bottom rolling non-mortice end hanger set. Inline hinge set with handle. Rolkar bottom rolling intermediate hanger/guide set. Outward opening offset hinge set with handle. Rolkar bottom rolling non-mortice rebated end hanger/guide set * Non-mortice intermediate pivot hinge for doors above 2200mm. Surface fit pull handle (optional). * END HANGER SET FOR A PAIR OF REBATED MEETING DOORS.	**SFWBR1#** **SFWBR2#** **SF3#** **SFBR4#** **SF7#** **SFWBR8#** **SFW9#** **SF10#**
Top Channels	Polypropylene channel in black. Available in lengths 2000, 3000, 4000, 5000 & 6000mm. Aluminium supporting channel for polypropylene. Available in lengths 2000, 3000, 4000, 5000 & 6000mm.	**T94P-20/30/40/50/60** **T94SC-20/30/40/50/60**
Weatherseal	AquaMac AQ21 frame perimeter seal (if required) AquaMac AQ63 door perimeter seal (if required)	**AQ21-25** **AQ63-25**
Accessories	Outward opening flush bolts (locking). Available in 190, 450 & 600mm. Outward opening flush bolts (non-locking). Available in 190, 450 & 600mm. Profiled Router Cutter Available for the SF flushbolts	**SF190L#, SF450L# & SF600L#** **SF190#, SF450# & SF600#**

242
Bottom Track

SFWBR2#
Hanger/Guide Set (Handed)



SFWBR1#
Pivot Set

SFBR4#
Intermediate Hanger/Hinge/Guide Set

SF3#
Hinge Set with Handle

SF7#
Hinge Set Offset Outward Opening

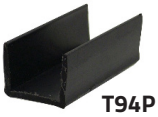
No Image

SFWBR8#
Rebated End Hanger/Guide

SFW9#
Intermediate Pivot Hinge

SF10#
Face Fix Handle (Optional)

T94SC
Aluminium Channel



T94P
Polypropylene Channel

SF190
Flush Bolts

AQ21
Seal

AQ63
Seal

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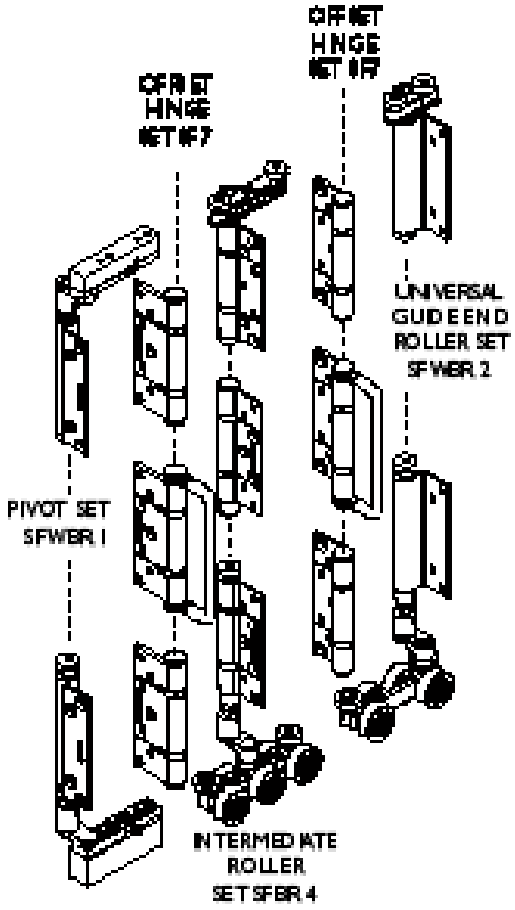
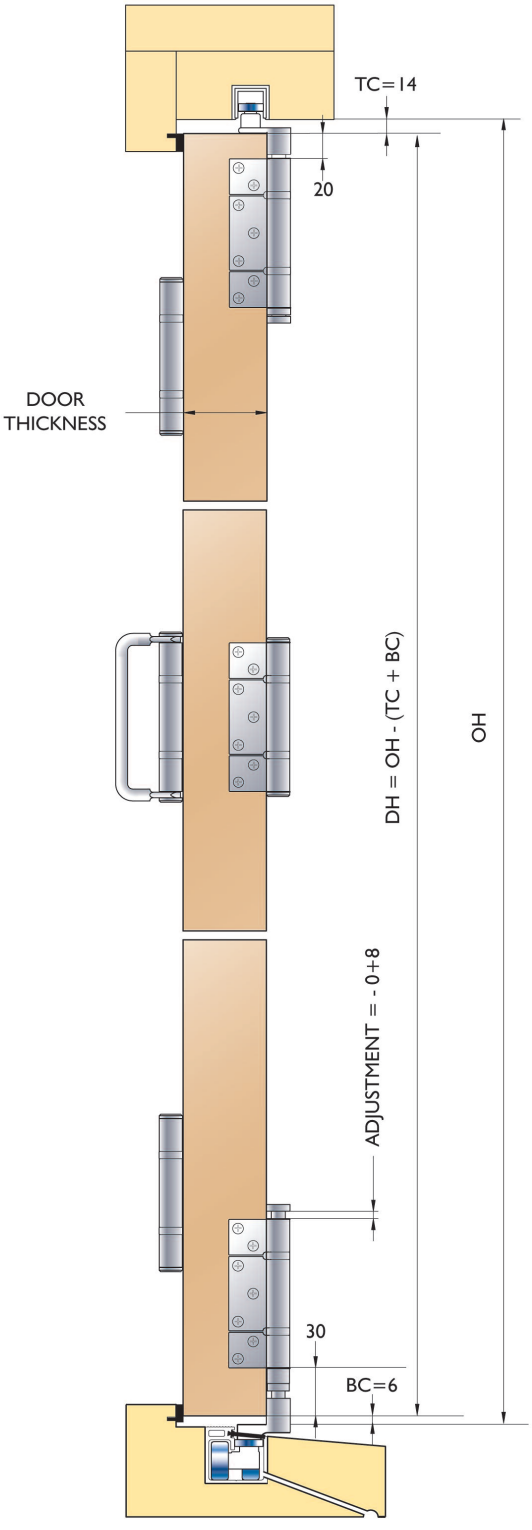
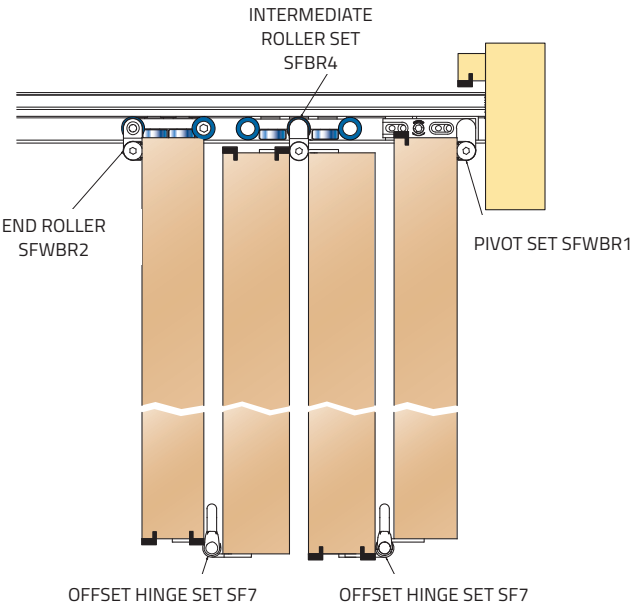
ROLKAR

EXTERIOR USE

Outward opening, non-mortice, bottom rolling, folding door system for wooden doors up to **80kg each**.



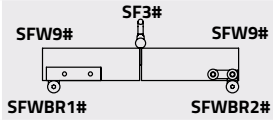
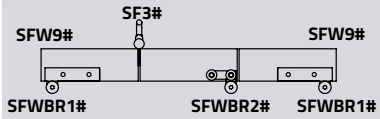
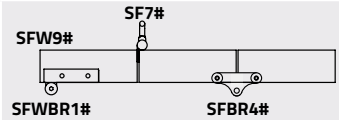
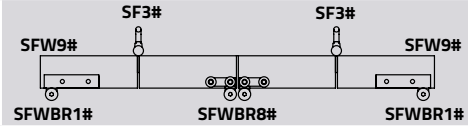
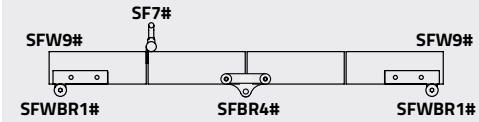
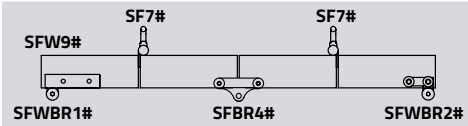
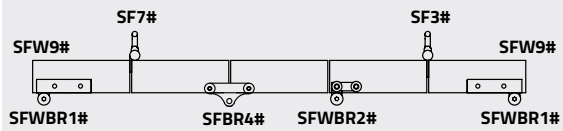
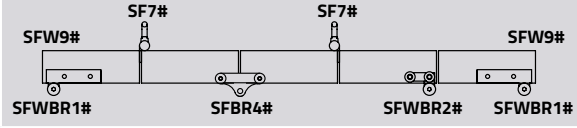
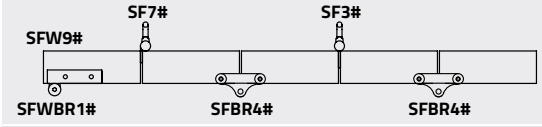
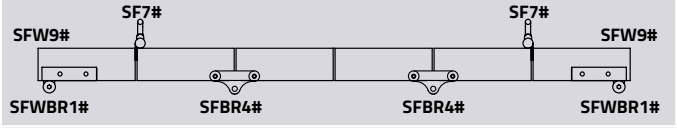
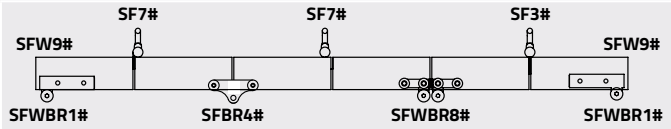
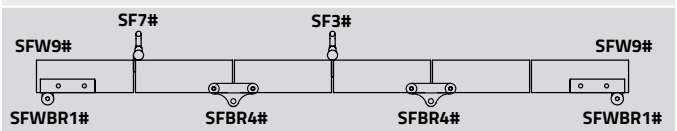
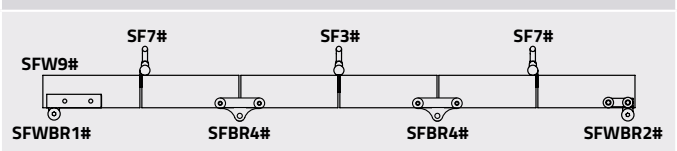




Rolkar non-morticed outward opening kits.

Outward Opening Door Configurations

As viewed from the outside.

2 Leaf		1 x SFWBR1# pivot assembly. 1 x SF3# inline hinge set. 1 x SFWBR2# end hanger set. 2 x SFW9# intermediate pivot hinge. 2 x SF flushbolts.
2 + 1 Leaf		2 x SFWBR1# pivot assembly. 1 x SF3# inline hinge set. 1 x SFWBR2# end hanger set. 2 x SFW9# intermediate pivot hinge. 2 x SF flushbolts.
3 Leaf		1 x SFWBR1# pivot assembly. 1 x SF7# offset hinge with handle. 1 x SFBR4# intermediate hanger set. 1 x SFW9# intermediate pivot hinge. 2 x SF flushbolts.
2 + 2 Leaf		2 x SFWBR1# pivot assembly. 2 x SF3# inline hinge set. 1 x SFWBR8# rebated eng hanger set. 2 x SFW9# intermediate pivot hinge. 2 x SF flushbolts.
3 + 1 Leaf		2 x SFWBR1# pivot assembly. 1 x SF7# offset hinge with handle. 1 x SFBR4# intermediate hanger set. 2 x SFW9# intermediate pivot hinge. 4 x SF flushbolts.
4 Leaf		1 x SFWBR1# pivot assembly. 2 x SF7# offset hinge with handle. 1 x SFBR4# intermediate hanger set. 1 x SFWBR2# end hanger set. 1 x SFW9# intermediate pivot hinge. 4 x SF flushbolts.
3 + 2 Leaf		2 x SFWBR1# pivot assembly. 1 x SF7# offset hinge with handle. 1 x SF3# inline hinge set. 1 x SFBR4# intermediate hanger set. 1 x SFWBR2# end hanger set. 2 x SFW9# intermediate pivot hinge. 4 x SF flushbolts.
4 + 1 Leaf		2 x SFWBR1# pivot assembly. 2 x SF7# offset hinge with handle. 1 x SFBR4# intermediate hanger set. 1 x SFWBR2# end hanger set. 2 x SFW9# intermediate pivot hinge. 4 x SF flushbolts.
5 Leaf		1 x SFWBR1# pivot assembly. 1 x SF7# offset hinge with handle. 1 x SF3# inline hinge set. 2 x SFBR4# intermediate hanger set. 1 x SFW9# intermediate pivot hinge. 4 x SF flushbolts.
3 + 3 Leaf		2 x SFWBR1# pivot assembly. 2 x SF7# offset hinge with handle. 2 x SFBR4# intermediate hanger set. 2 x SFW9# intermediate pivot hinge. 6 x SF flushbolts.
4 + 2 Leaf		2 x SFWBR1# pivot assembly. 2 x SF7# offset hinge with handle. 1 x SF3# inline hinge set. 1 x SFBR4# intermediate hanger set. 1 x SFWBR8# rebated eng hanger set. 2 x SFW9# intermediate pivot hinge. 6x SF flushbolts.
5 + 1 Leaf		2 x SFWBR1# pivot assembly. 1 x SF7# offset hinge with handle. 1 x SF3# inline hinge set. 2 x SFBR4# intermediate hanger set. 2 x SFW9# intermediate pivot hinge. 6 x SF flushbolts.
6 Leaf		1 x SFWBR1# pivot assembly. 2 x SF7# offset hinge with handle. 1 x SF3# inline hinge set. 2 x SFBR4# intermediate hanger set. 1 x SFW9# intermediate pivot hinge. 6x SF flushbolts.

This denotes the colour of the component, e.g. satin, polished, chrome, gold or black.

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Outward opening, non-mortice, bottom rolling, folding door system for wooden doors up to **80kg each**.

Fitting Details.

Preparing the opening

Ensure the opening is square and all load bearing areas are suitable for the weight of the system. Take particular care to ensure there is sufficient strength in the structure above the opening to take the concentrated weight of the door, when in the open stacked position. The SFBR system provides +/- 5mm horizontal adjustment. Use a plumb line to ensure the centre line of the top channel & bottom track are offset by 9mm

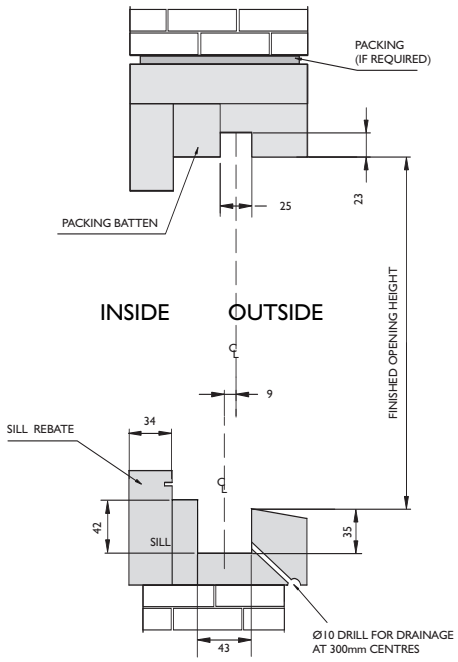


Diagram 7

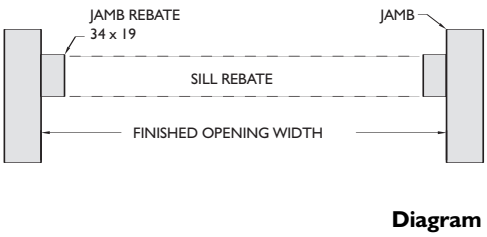


Diagram 8

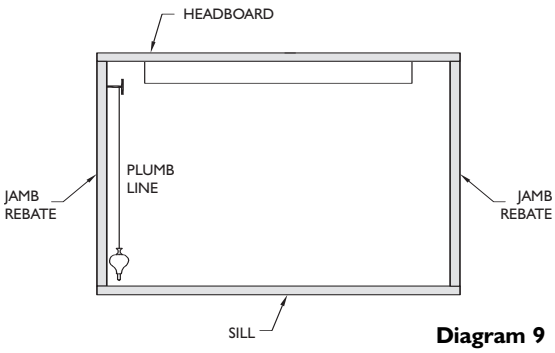


Diagram 9

Preparing the door frame

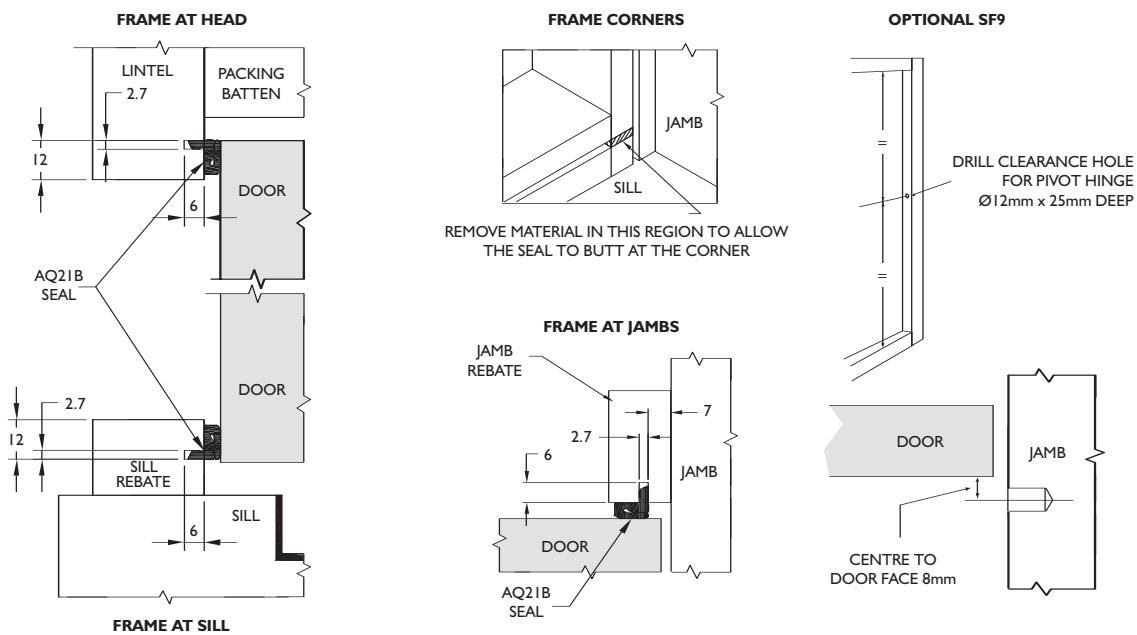


Diagram 10

Outward opening, non-mortice, bottom rolling, folding door system for wooden doors up to **80kg each**.

Fitting Details...continued.

Preparing the door leaves

Door leaf width calculation

1. Decide how many door leaves you want in the opening.
2. Add together all the 3mm and 6mm clearances required between door leaves and the jambs (there will be one more than the number of door leaves). This is the total clearance figure.
3. Measure the finished opening width (W) and deduct from this the total clearance figure.
4. Divide this new figure (finished opening width minus total clearance) by the number of doors to produce the actual door width. (N.B. all doors with the SF Bottom Rolling system are the same width).

For example: For a 4 door leaf system with a finished opening width of 2345mm the door leaf width would be 2345mm minus (3x3mm) + (2x6mm) divided by 4 (number of door leaves) = 581mm.

Door leaf height calculation

Leaf height = finished opening height minus 20mm.

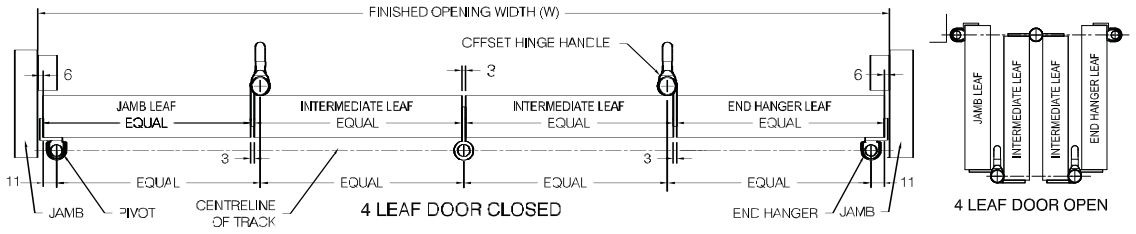


Diagram 11

Door seals

Prepare the door leaves to accept the AQ63B seal.

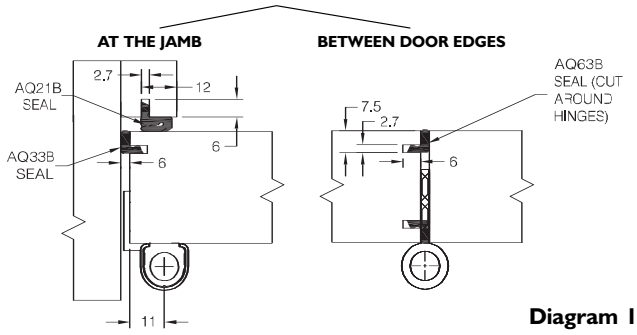
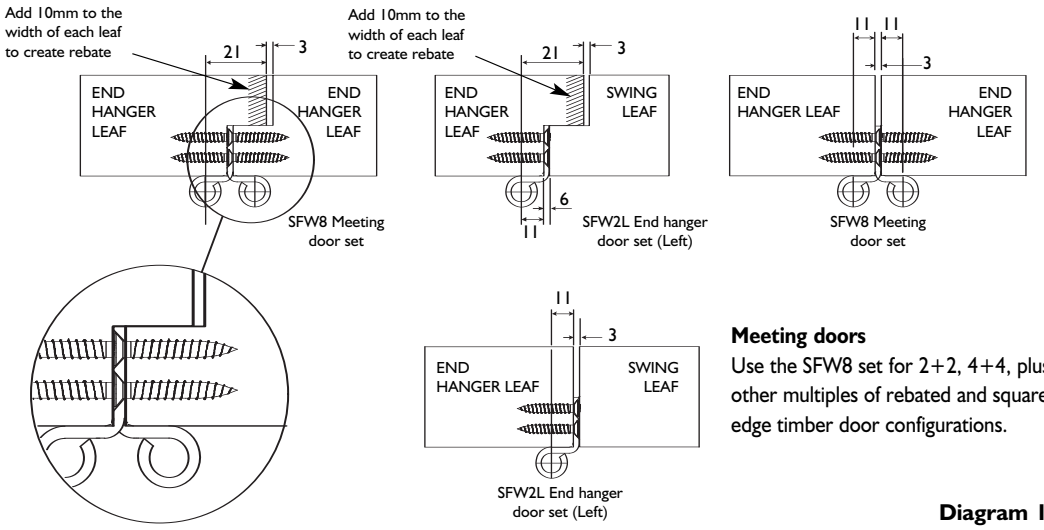


Diagram 12



Meeting doors

Use the SFW8 set for 2+2, 4+4, plus other multiples of rebated and square edge timber door configurations.

Diagram 13

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Outward opening, non-mortice, bottom rolling, folding door system for wooden doors up to **80kg each**.

Fitting Details...continued.

End door leaf preparation

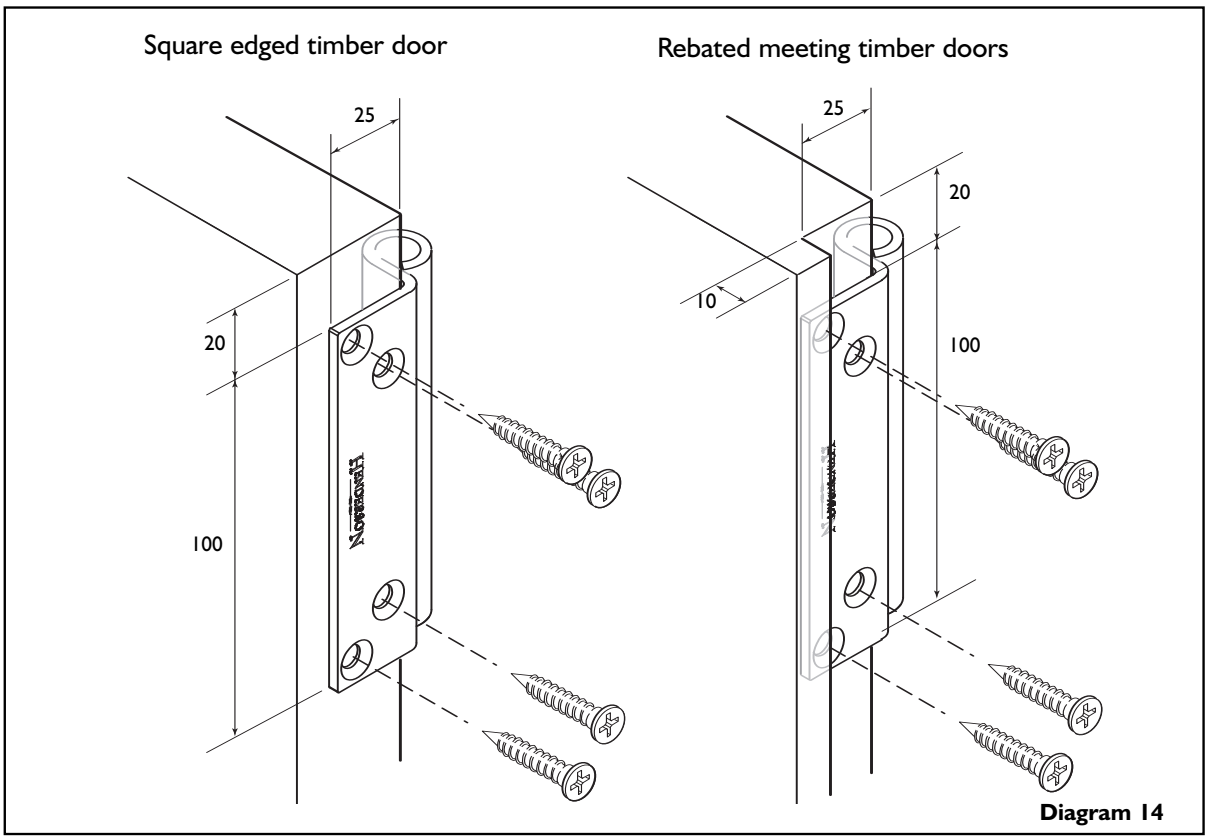
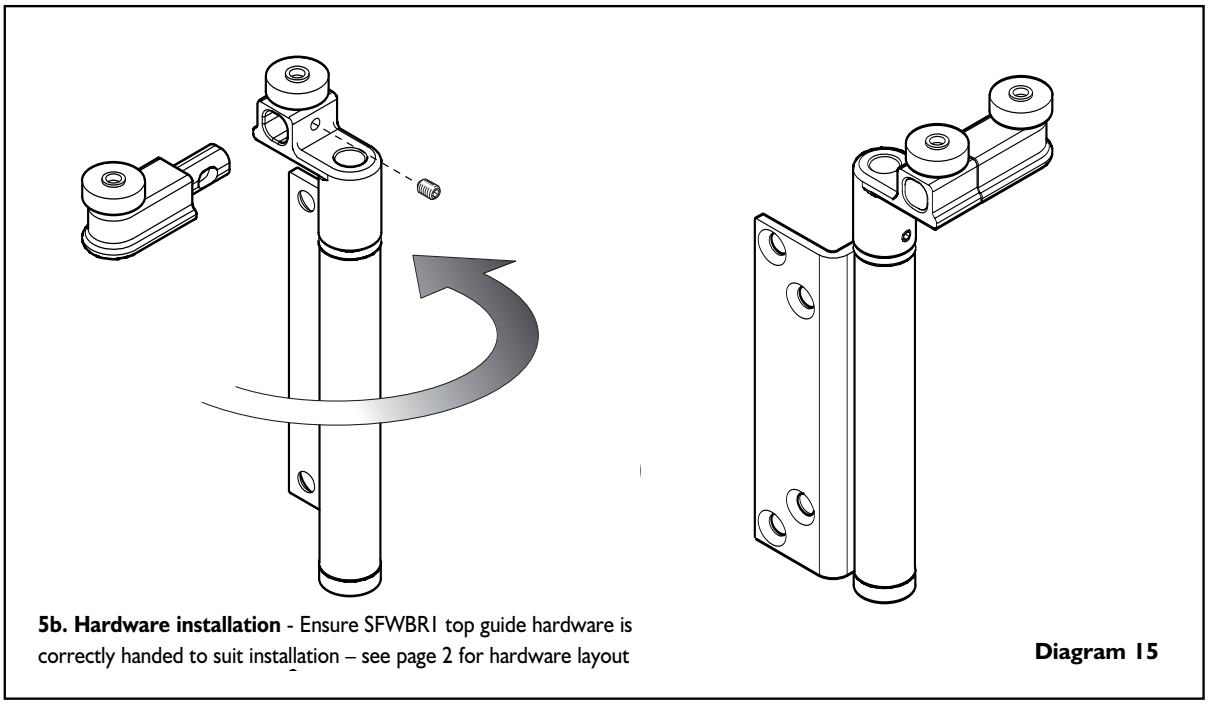


Diagram 14

Handing of the hardware

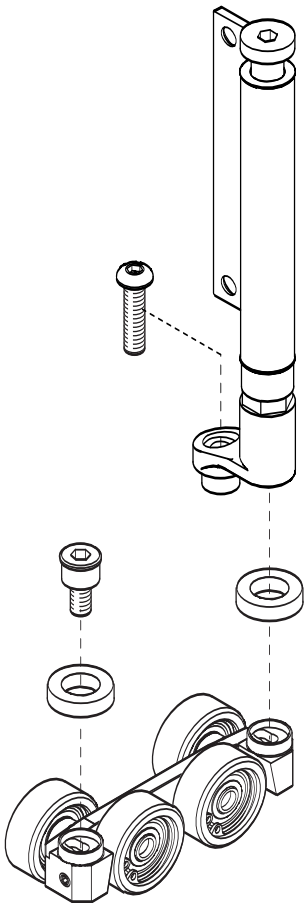


5b. Hardware installation - Ensure SFWBR1 top guide hardware is correctly handed to suit installation – see page 2 for hardware layout

Diagram 15

Outward opening, non-mortice, bottom rolling, folding door system for wooden doors up to **80kg each**.

Fitting Details...continued.



6a. Ensure SFWBR2 bottom roller hardware is correctly handed to suit installation – see page 2 for hardware layout

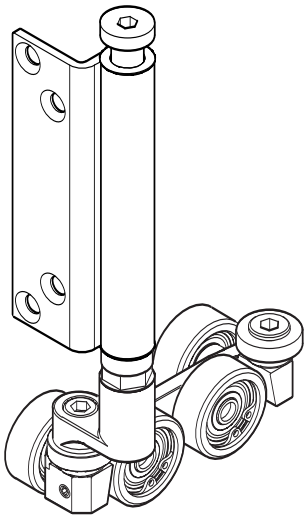


Diagram 16

Installation - Track and Guide Channel

6b. Cut bottom track to suit handing requirement – reduce length to suit opening. Cut out in track typically positioned directly under door stack in open

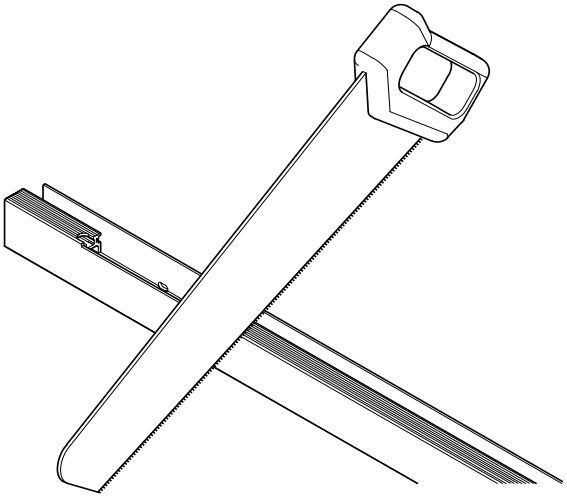


Diagram 17

6c. Install bottom track using screws included in kit (4 x 3/4"c'sink) or use suitable adhesive to secure to timber – Ensuring not to mark running surfaces of track. Drill drainage holes (see diagram 1)

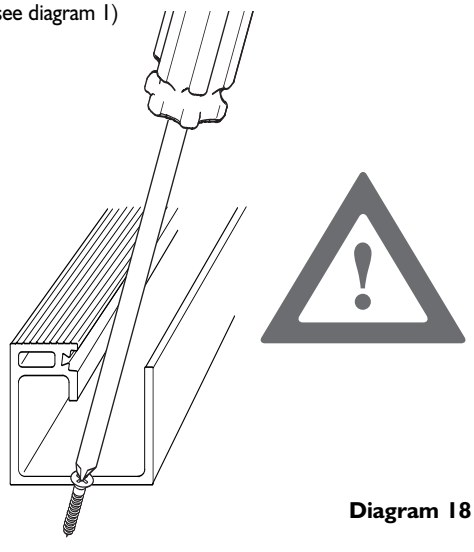


Diagram 18

6d. Cut & install top guide channel – fix through channel and polypropylene, ensuring not to obstruct the hardware.

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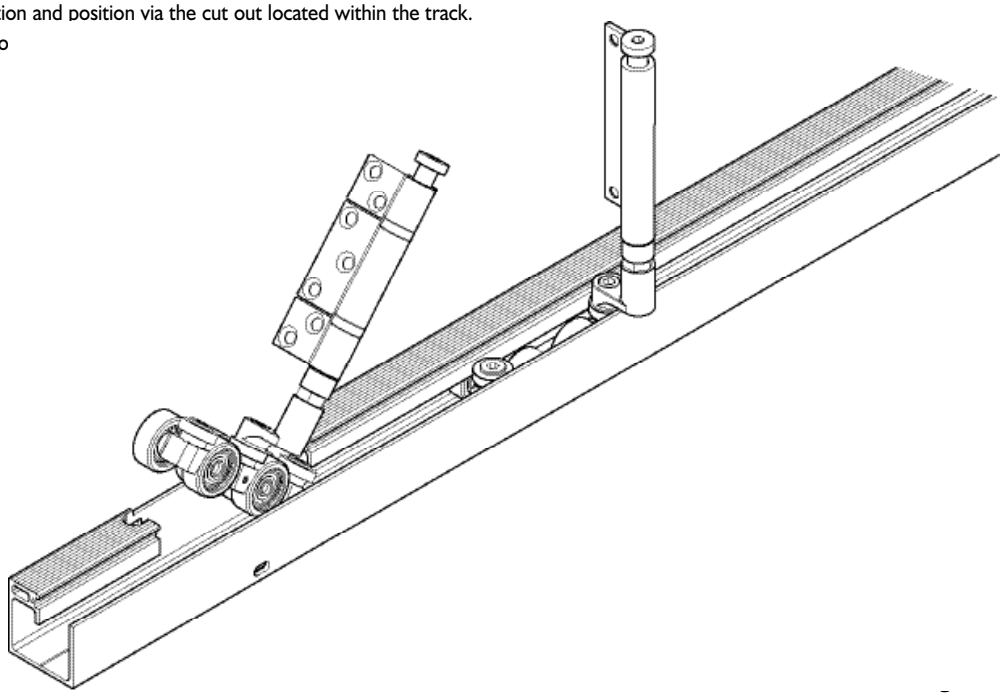
Outward opening, non-mortice, bottom rolling, folding door system for wooden doors up to **80kg each**.

Fitting Details...continued.

Installation - Hardware into track

7a. Slide the bottom roller assemblies into the track in the correct order, orientation and position via the cut out located within the track. (see layo



19

Pivot hardware into track

7b. Disassemble the bottom and top pivot assemblies, fix the anchor plates butted up against the jamb (zero gap), please note the screw hole furthest from the end of the anchor should be positioned closest to the jamb.

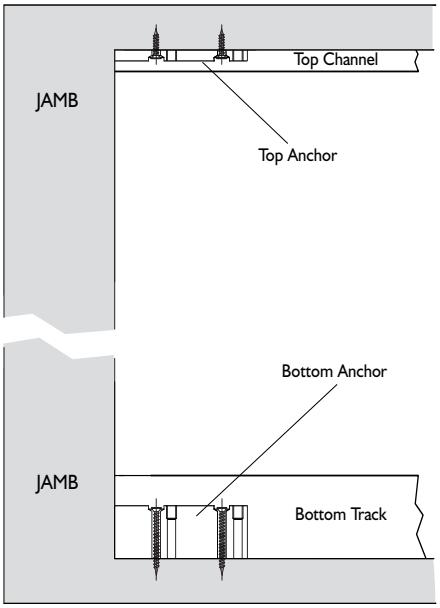
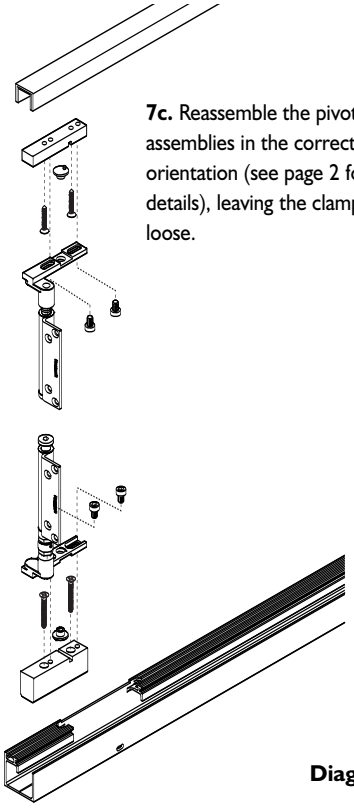


Diagram 20



7c. Reassemble the pivot assemblies in the correct orientation (see page 2 for layout details), leaving the clamp screw loose.

Diagram 21

Outward opening, non-mortice, bottom rolling, folding door system for wooden doors up to **80kg each**.

Fitting Details...continued.

8a. Installation of panels - assemble panels in pairs away from the frame, using appropriate hinge seams (typically SF3/ SF7) between panels. (see page 2 for hardware layout details) recommend pre drilling pilot holes for all hinge hardware prior to installation into frame.

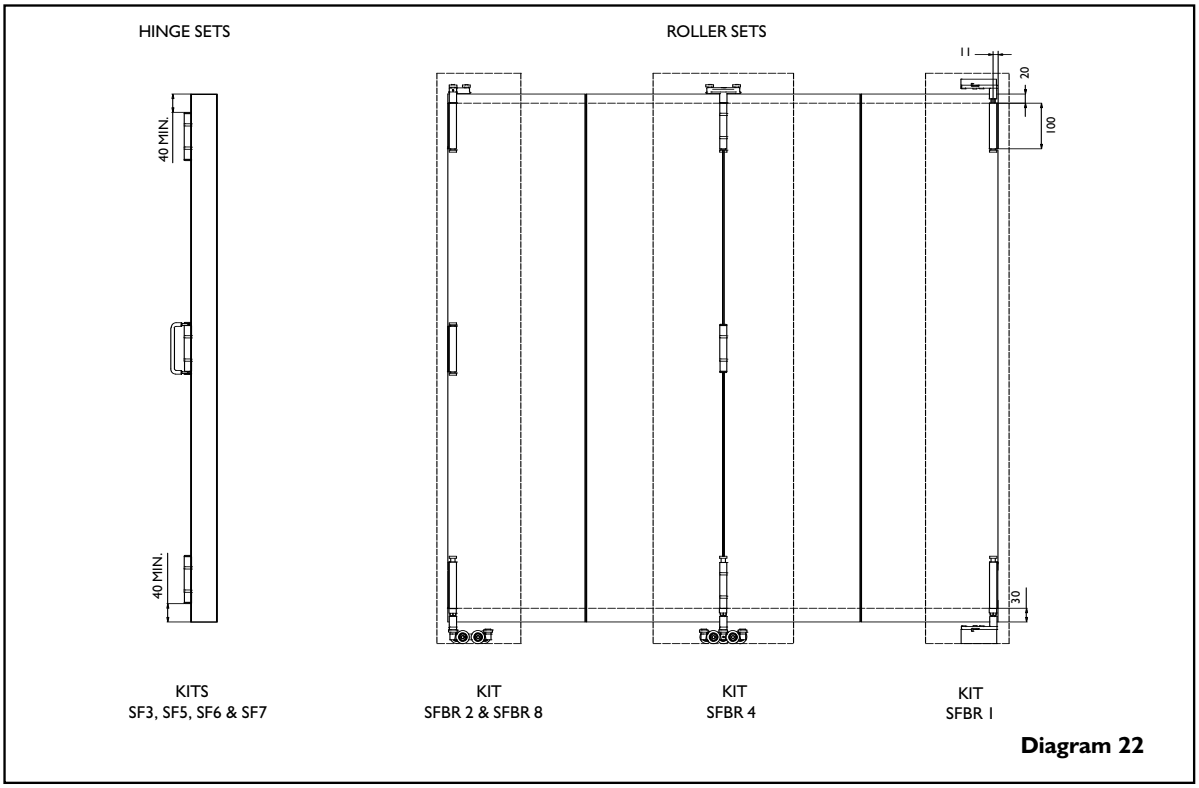


Diagram 22

8b. Offer first pair of panels (1st and 2nd Panel) up to SFWBR 1 (pivot) and SFBR 4 (Intermediate) hardware using a spirit level to ensure the pivot panel is plumb to the jamb, using support under panels to maintain position.

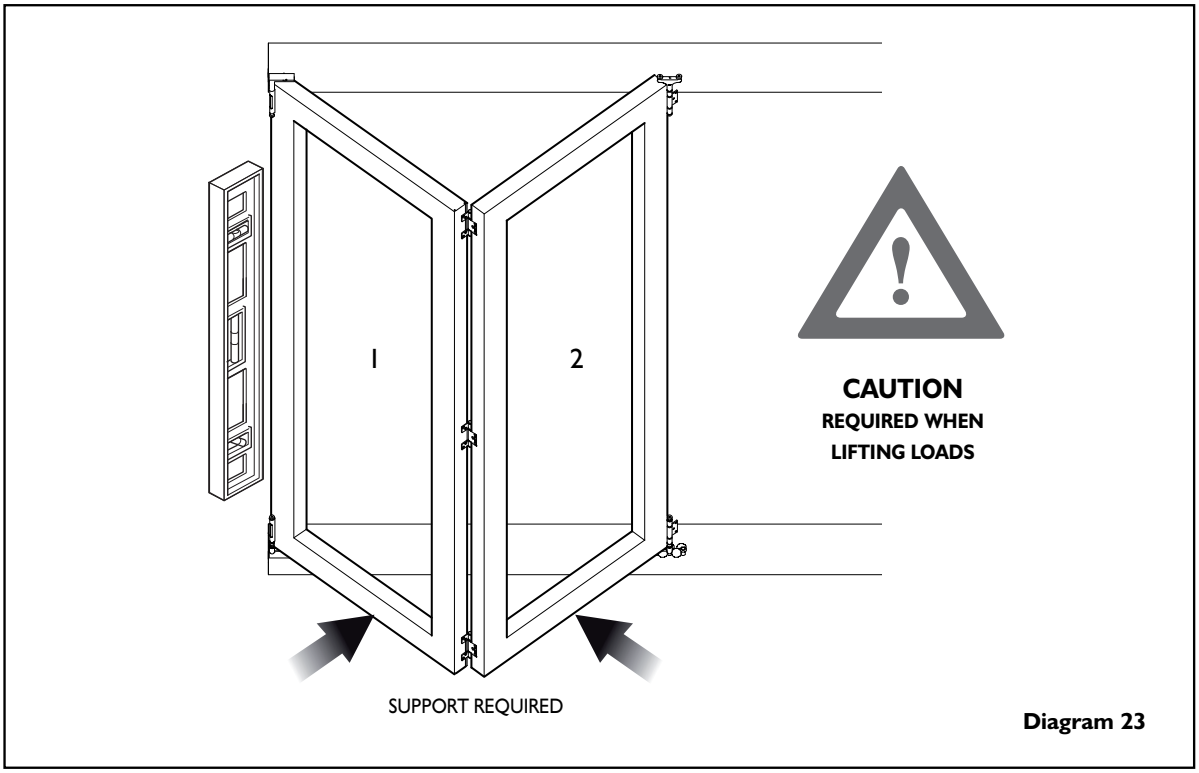


Diagram 23

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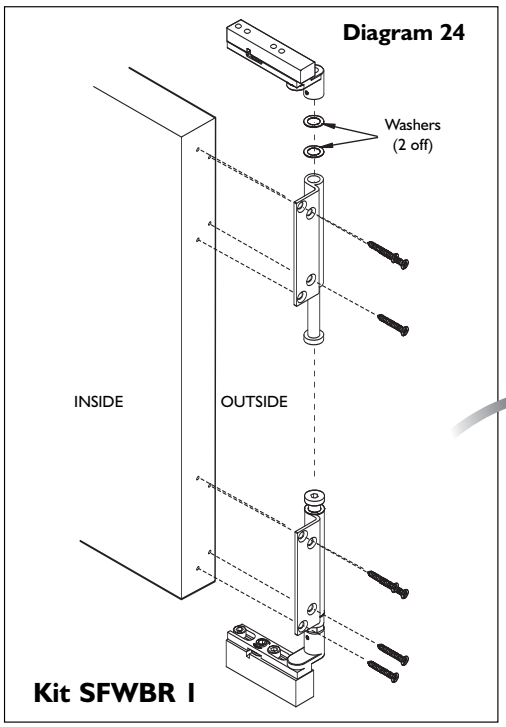
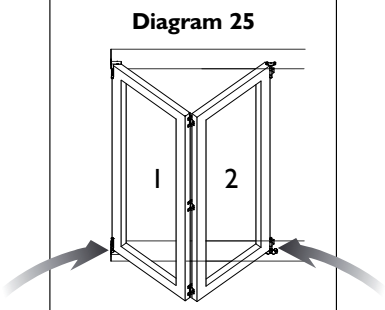
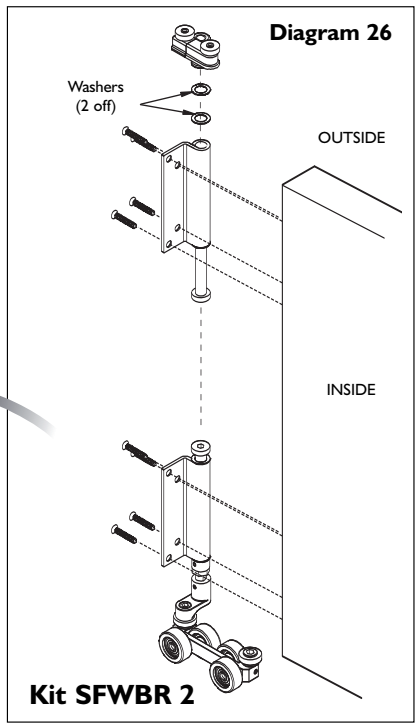
Outward opening, non-mortice, bottom rolling, folding door system for wooden doors up to **80kg each**.

Fitting Details...continued.

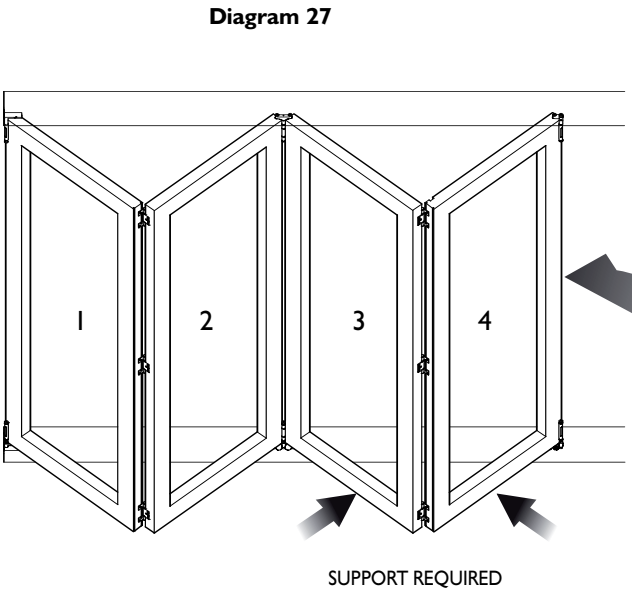
9a. Installation of doors – Attach the 1st panel to the SFWBR 1 hardware using screws provided (diagram 24), and then attach the 2nd panel to SFBR 4 hardware using screws provided (diagram 25).

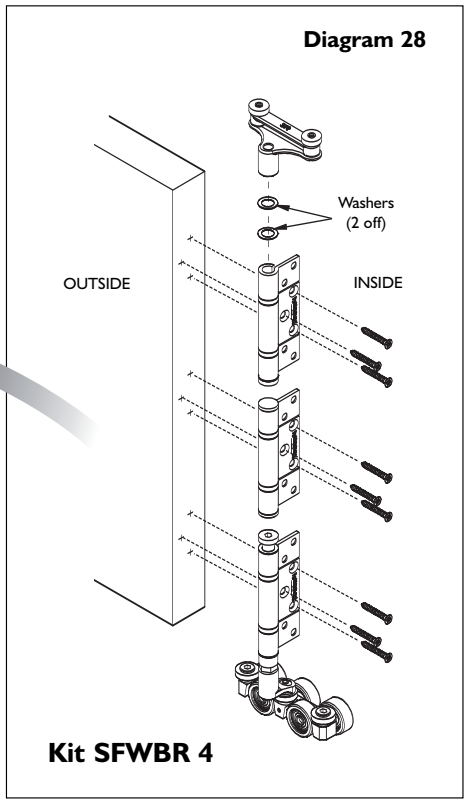






9b. Offer second pair of panels (3rd and 4th panel) up to the SFBR 4 (intermediate) and SFWBR2 (end) hardware. Attach the 3rd panel to the SFBR 4 (intermediate) hardware using the screws provided, and then attach the 4th panel to the SFWBR 2 (end) hardware using the screws provided (diagram 28).





Outward opening, non-mortice, bottom rolling, folding door system for wooden doors up to **80kg each**.

Fitting Details...continued.

ADJUSTMENT

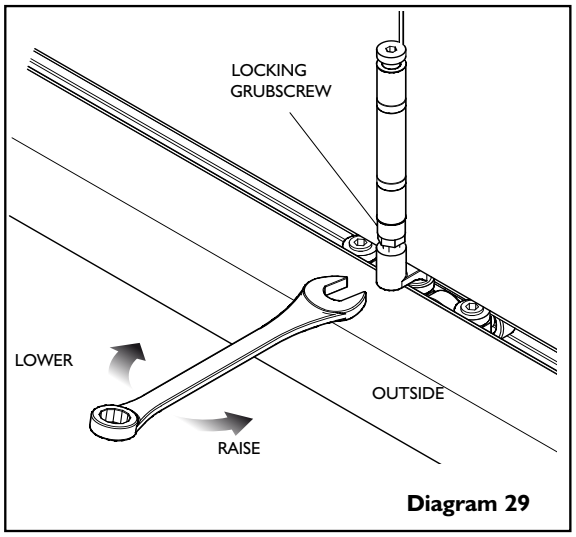


Diagram 29

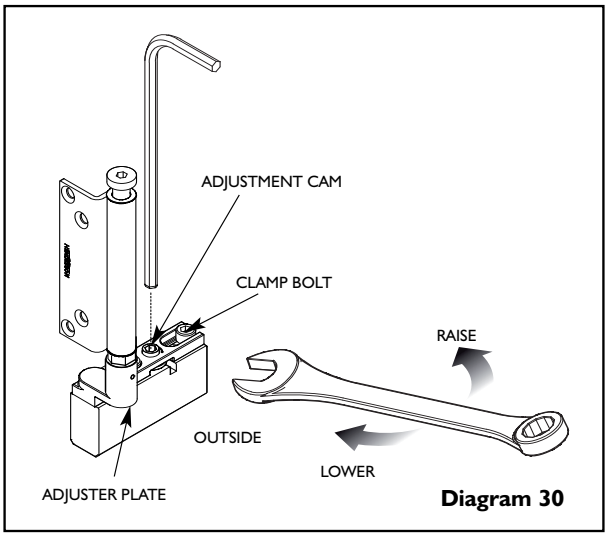


Diagram 30

10a. Close panels and adjust the panel's height to achieve the clearance top & bottom stated in diagram 1 using the adjustment nut on each individual seam.

10b. To adjust the lateral position rotate the cam located in both top & bottom pivot assemblies. A gap of 6mm between the jamb and the pivot panel is recommended. Remember to tighten clamp screws once adjusted.

10c. Once final adjustments have been made ensure grub screws are secured in position using a propriety thread lock solution and tighten the screw until secure.

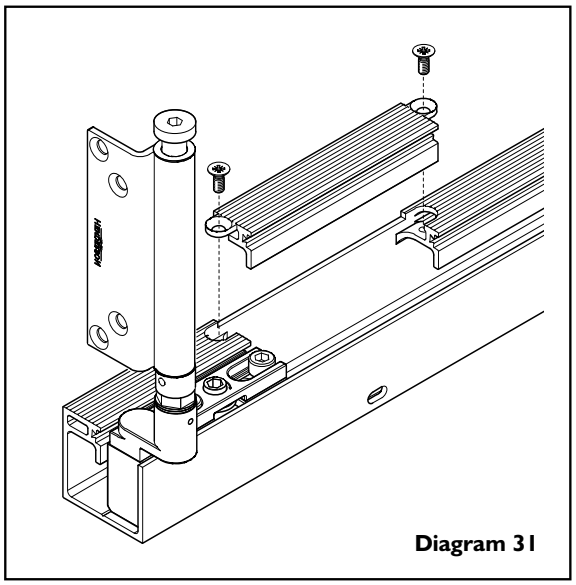


Diagram 31

CARE AND MAINTENANCE

To provide years of trouble free operation, it is recommended that the track is kept free from dirt and debris. Periodically replace the general purpose grease on all bolts. To prolong the appearance of the exposed hinge parts, it is recommended they are periodically washed with soap and water. Maintenance is required on all components including stainless steel to validate manufacturers warranty. For further maintenance details please refer to our website, **www.pchenderson.com.**

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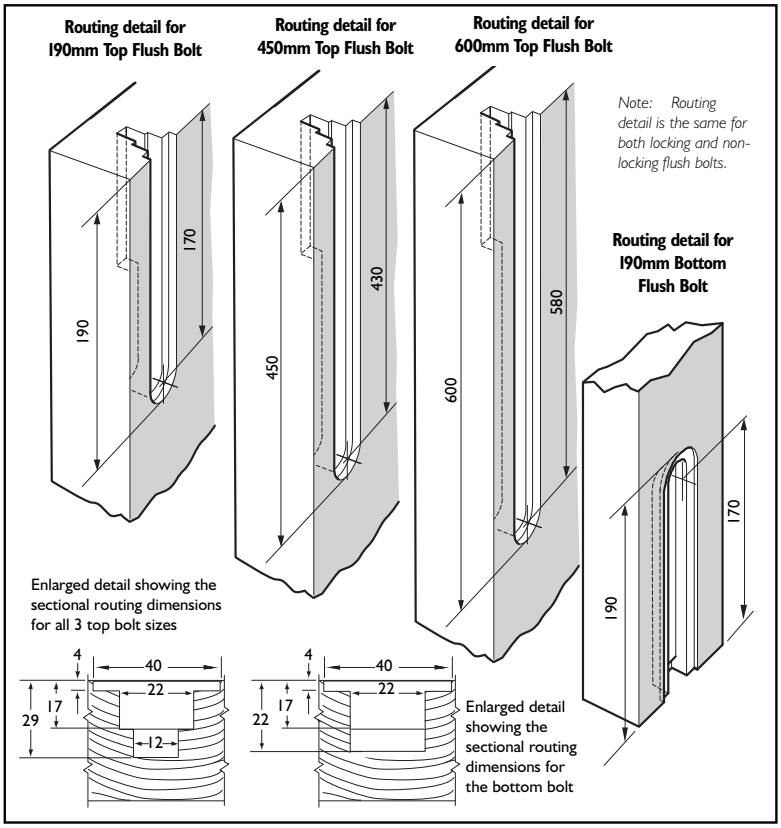
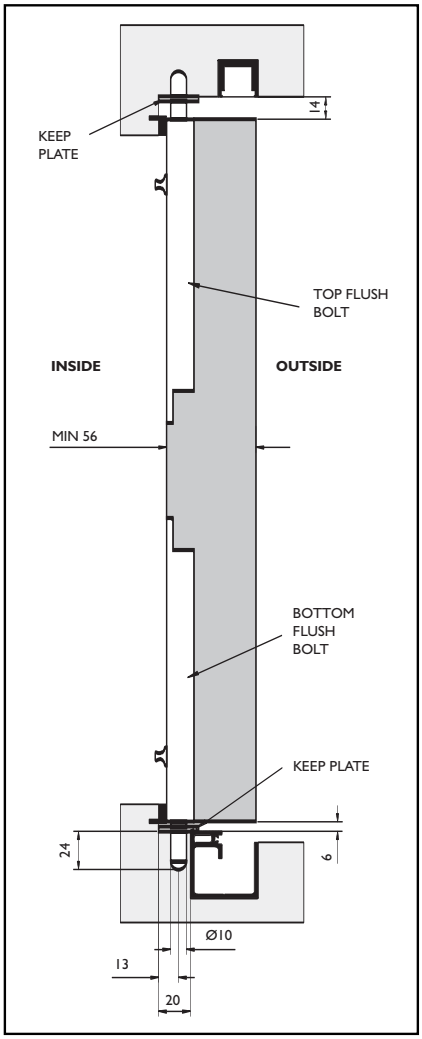
Outward opening, non-mortice, bottom rolling, folding door system for wooden doors up to **80kg each**.

Fitting Details...continued.

Flush Bolt

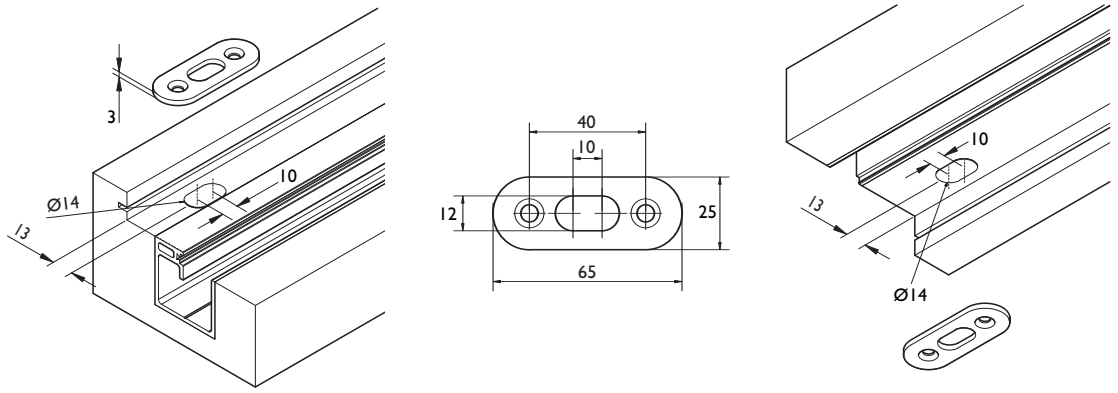
For bottom rolling exterior folding doors. For use in conjunction with standard outward opening fitting instructions. Follow routing instructions for the bolt keep and flush bolt length to be fitted, fit both with the screws supplied. Suitable pilot holes for screws are recommended.





Door height	Recommended Bolt length for top of door	Recommended Bolt length for bottom of door
Upto 2200mm	190mm	190mm
Upto 2450mm	450mm	190mm
Over 2450mm	600mm	190mm

Routing detail for keep sockets



(All dimensions in mm)

COASTAL

Volo 120

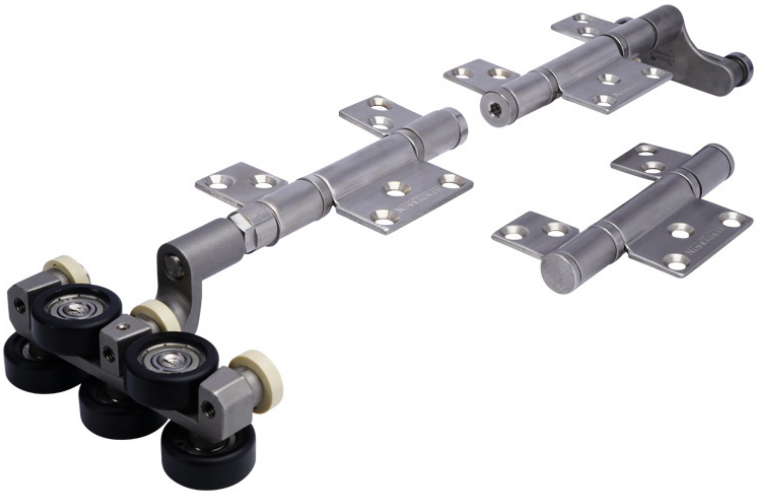
Rullo Plus

CoFold 100

Rolkar

Straight Sliding & Folding Door Systems

Hardware Guide



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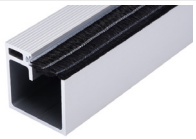
Volo120 & **Rullo Plus** Straight Slide Systems.
CoFold 100 & **Rolkar** Non-Mortice, Folding Systems.

The following products are used on the straight sliding & folding door systems we supply, some of these components are used on some if not most of the products, others are unique to the individual systems.

Top / Bottom Tracks & Brush Strips

Component	Description	System(s)	Part Number(s)
120	**Volo 120 anodised aluminium top track (25 microns).** Available in lengths; 2000, 3000, 4000, 5000 & 6000mm.	**Volo 120 (Sliding)**	120/2000 120/3000 120/4000 120/5000 120/6000
PS20-120	**Volo T120 aluminium top track brush strip.** Supplied in a 6 meter roll in black.	**Volo 120 (Sliding)**	PS20-120-BK
VG40	**Aluminium top track stop for Volo T120 & Flugel T180 aluminium top tracks.** Satin aluminium.	**Volo 120 (Sliding)**	VG40-SA
250	**CoFold anodised aluminium top track (25 microns).** Available in lengths; 2000, 3000, 4000, 5000 & 6000mm.	**CoFold 100 (Bi-Folding)**	250/2000 250/3000 250/4000 250/5000 250/6000
PS13-6	**CoFold T250 aluminium top track brush strip.** Supplied in a 6 meter roll in black.	**CoFold 100 (Bi-Folding)**	PS13-6-BK
SFG185	**Rullo Plus anodised aluminium bottom track (25 microns).** Available in lengths; 2000, 3000, 4000 & 6000mm.	**Rullo Plus (Sliding)**	SFG185-20 SFG185-30 SFG185-40 SFG185-60
HS16	**HS Portal SCV & Rullo Plus door/floor stop.** 1 or 2 stops required, either 1 on the bottom of the track run or 1 on the bottom & 1 on the top.	**Rullo Plus (Sliding)**	HS16-BK
 **242**	**Rolkar botton rolling 242 anodised aluminium bottom track (25 microns) complete with brush strip.** Available in lengths; 3250, 4250 & 6000mm.	**Rolkar (Bi-Folding)**	242/3000 242/4000 242/6000

STRAIGHT SLIDING & FOLDING

HARDWARE GUIDE

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Volo120 & **Rullo Plus** Straight Slide Systems.
CoFold 100 & **Rolkar** Non-Mortice, Folding Systems.

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Straight Sliding - Door Hanger / Roller Sets.

Component	Description	System(s)	Part Number(s)
57/120/SS	**Volo 120 concealed plate fixing top hanger.** 316 stainless steel. 2 required per door.	**Volo 120 (Sliding)**	57/120/SS
52/120/SS	**Volo 120 face fix hangers for MDF / slim panel doors.** 316 stainless steel. 2 required per door.	**Volo 120 (Sliding)**	52/120/SS (Non stock)
SFG	**Rullo Plus SFG bottom rollers with nylon wheels, adjustable.** 100kg & 200kg versions available. Stainless steel. 2 required per door.	**Rullo Plus (Sliding)**	SFG135 (100kg version) SFG115 (200kg version)

Straight Sliding - Guides & Top Track Brackets.

Component	Description	System(s)	Part Number(s)
106SS/94	**Concealed fixing bottom roller guide with stainless steel bearing.** 316 stainless steel. 2 required per door.	**Volo 120 (Sliding)** **Rullo Plus (Sliding)**	106SS/94
102SS/94	**Wall mounted bottom roller guide, side fix.** 316 stainless steel. 2 required per door.	**Volo120 (Sliding)** **Rullo Plus (Sliding)**	102SS/94 (Non Stock)
1/SS	**Single face fix top track hanger bracket.** **316 stainless steel.** Note: Start 20mm from end then 600mm spacing between brackets.	**Volo 120 (Sliding)**	1/SS

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Bi-Folding - Door Hanger / Hinge / Guide Sets.

Component	Description	System(s)	Part Number(s)
SFW1#	**CoFold non-mortice pivot assembly set.** 316 stainless steel. Non-mortice version.	**CoFold 100 (Bi-Folding)**	SFW1B SFW1G SFW1C SFW1S
SFW2L# **SFW2R#**	**CoFold non-mortice end hanger set left & right handed.** 316 stainless steel. Non-mortice version.	**CoFold 100 (Bi-Folding)**	SFW2LB (Left Hand) SFW2LG (Left Hand) SFW2LC (Left Hand) SFW2LS (Left Hand) SFW2RB (Right Hand) SFW2RG (Right Hand) SFW2RC (Right Hand) SFW2RS (Right Hand)
SF3#	**Inline hinge set with handle.** 316 stainless steel. Non-mortice & mortice versions.	**CoFold 100 (Bi-Folding)** **Rolkar (Bi-Folding)**	SF3B SF3G SF3C SF3S
SF4#	**Intermediate hanger/hinge/guide set.** 316 stainless steel. Non-mortice & mortice versions.	**CoFold 100 (Bi-Folding)**	SF4B SF4G SF4C SF4S
SF5#	**Inward opening inline hinge set.** 316 stainless steel. Non-mortice & mortice versions.	**CoFold 100 (Bi-Folding)**	SF5B SF5G SF5C SF5S
SF6#	**Inward opening offset hinge set.** 316 stainless steel. Non-mortice & mortice versions.	**CoFold 100 (Bi-Folding)**	SF6B SF6G SF6C SF6S

Volo120 & **Rullo Plus** Straight Slide Systems.
CoFold 100 & **Rolkar** Non-Mortice, Folding Systems.

The following products are used on the straight sliding & folding door systems we supply, some of these components are used on some if not most of the products, others are unique to the individual systems.

Bi-Folding - Door Hanger / Hinge / Guide Sets...continued.

Component	Description	System(s)	Part Number(s)
SF7#	**Outward opening offset hinge set with handle.** 316 stainless steel. Non-mortice & mortice versions.	**CoFold 100 (Bi-Folding)** **Rolkar (Bi-Folding)**	SF7B SF7G SF7C SF7S
SFW8#	**CoFold non-mortice rebated meeting stile set.** 316 stainless steel. Non-mortice version. End hanger set for a pair of rebated meeting doors.	**CoFold 100 (Bi-Folding)**	SFW8B SFW8G SFW8C SFW8S
SFW9#	**Non-mortice intermediate pivot hinge for doors. above 2200mm.** 316 stainless steel. Non-mortice version.	**CoFold 100 (Bi-Folding)** **Rolkar (Bi-Folding)**	SFW9B SFW9G SFW9C SFW9S
SF10#	**Surface fit pull handle (optional).** 316 stainless steel. Non-mortice & mortice versions. Optional for doors less than 2200mm in height, recommended for doors over 2200mm in height.	**CoFold 100 (Bi-Folding)** **Rolkar (Bi-Folding)**	SF10B SF10G SF10C SF10S
SFWBR1#	**Rolkar bottom rolling non-mortice pivot assembly.** 316 stainless steel. Non-mortice version.	**Rolkar (Bi-Folding)**	SFWBR1B SFWBR1G SFWBR1C SFWBR1S
SFWBR2#	**Rolkar bottom rolling non-mortice end hanger set.** 316 stainless steel. Non-mortice version.	**Rolkar (Bi-Folding)**	SFWBR2B SFWBR2G SFWBR2C SFWBR2S
SFBR4#	**Rolkar bottom rolling intermediate hanger/ guide set.** 316 stainless steel. Non-mortice & mortice versions.	**Rolkar (Bi-Folding)**	SFBR4B SFBR4G SFBR4C SFBR4S
No Image **SFWBR8#**	**Rolkar bottom rolling non-mortice rebated end hanger/guide set.** 316 stainless steel. Non-mortice version. End hanger set for a pair of rebated meeting doors.	**Rolkar (Bi-Folding)**	SFWBR8B SFWBR8G SFWBR8C SFWBR8S

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Volo120 & **Rullo Plus** Straight Slide Systems.
CoFold 100 & **Rolkar** Non-Mortice, Folding Systems.

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Top / Bottom Channels & Thresholds.

Component	Description	System(s)	Part Number(s)
SF94T	**Bi-fold outward opening aluminium threshold cill.** Anodised aluminium. Available in lengths; 2000, 2500, 3000, 3500, 4000 & 6000mm. Finishes available; Satin Aluminium & Bronze.	**CoFold 100 (Bi-Folding)**	SF94T/2000BZ SF94T/2000S SF94T/2500BZ SF94T/2500S SF94T/3000BZ SF94T/3000S SF94T/3500BZ SF94T/3500S SF94T/4000BZ SF94T/4000S SF94T/6000BZ SF94T/6000S
SF94T Jamb Kit	**Bi-fold SF94T outward opening aluminium threshold cill jamb kit.**	**CoFold 100 (Bi-Folding)**	SF94T/JAMB
T94SC	**Aluminium supporting channel for polypropylene.** Available in lengths; 2000, 3000, 4000, 5000 & 6000mm. Finish: Satin aluminium.	**Volo 120 (Sliding)** **CoFold 100 (Bi-Folding)** **Rolkar (Bi-Folding)**	T94SC-20 T94SC-30 T94SC-40 T94SC-50 T94SC-60
T94P	**Polypropylene channel in black.** Available in lengths; 2000, 3000, 4000, 5000 & 6000mm. Finish: Black.	**Volo 120 (Sliding)** **Rullo Plus (Sliding)** **CoFold 100 (Bi-Folding)** **Rolkar (Bi-Folding)**	T94P-20 T94P-30 T94P-40 T94P-50 T94P-60

Weatherseals.

Component	Description	System(s)	Part Number(s)
AQ21	**AquaMac AQ21 frame perimeter seal (if required).** Supplied on a 25 meter roll. Colours available; Black, Brown & White. If using externally then it is required, internally it is optional.	**Volo 120 (Sliding)** **Flugel 180 (Sliding)** **Rullo Plus (Sliding)** **CoFold 100 (Bi-Folding)** **Rolkar (Bi-Folding)**	AQ21-25-BK AQ21-25-BR AQ21-25-WH
AQ63	**AquaMac AQ63 door perimeter seal (if required).** Supplied on a 25 meter roll. Colours available; Black, Brown & White. If using externally then it is required, internally it is optional.	**CoFold 100 (Bi-Folding)** **Rolkar (Bi-Folding)**	AQ63-25-BK AQ63-25-BR AQ63-25-WH

STRAIGHT SLIDING & FOLDING HARDWARE GUIDE

Volo120 & **Rullo Plus** Straight Slide Systems.
CoFold 100 & **Rolkar** Non-Mortice, Folding Systems.

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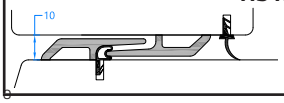
Locking Systems.

Component	Description	System(s)	Part Number(s)
YLM-20	**Yale paddock lockmaster PPL06 stainless steel lock.**	**Rullo Plus (Sliding)**	YLM-20-SS
YLM-HK	**Yale paddock lockmaster hook keep plate stainless steel.**	**Rullo Plus (Sliding)**	YLM-HK-SS

Note: there are a number of options when it comes to locking, please contact the office to discuss your requirements and we will guide you to the best locking options available.

Meeting Stile Kit.

Component	Description	System(s)	Part Number(s)
 **HS19-KIT**	**10mm clearace meeting stile kit supplied with seals.** Available in 2690mm length. Finish available; Satin Aluminium.	**Rullo Plus (Sliding)**	HS19-KIT-SA

Accessories.

Component	Description	System(s)	Part Number(s)
SF190# **SF450#** **SF600#**	**SF Outward opening flush bolts (non-locking) 190 / 450 & 600mm long.** Mortice into door. Made from Aluminium, Finishes Available; Black, Polished Chrome, Polished Brass & Satin Aluminium.	**CoFold 100 (Bi-Fold)** **Rolkar (Bi-Fold)**	SF190B / SF190C SF190G / SF190S SF450B / SF450C SF450G / SF450S SF600B / SF600C SF600G / SF600S
SF190L# **SF450L#** **SF600L#**	**SF Outward opening flush bolts (locking) 190 / 450 & 600mm long.** Mortice into door. Made from Aluminium, Finishes Available; Black, Polished Chrome, Polished Brass & Satin Aluminium.	**CoFold 100 (Bi-Fold)** **Rolkar (Bi-Fold)**	SF190LB / SF190LC SF190LG / SF190LS SF450LB / SF450LC SF450LG / SF450LS SF600LB / SF600LC SF600LG / SF600LS
SF190IBL	**SF Inward Opening flush bolts (locking) 190mm long.** Made from Aluminium, Finishes Available; Black, Polished Chrome, Polished Brass & Satin Aluminium.	**CoFold 100 (Bi-Fold)**	SF190IBLB SF190IBLC SF190IBLG SF190IBLS

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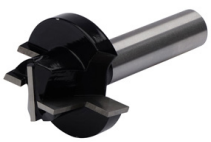
Accessories...continued.

Component	Description	System(s)	Part Number(s)
SF190IT	**SF Inward Opening flush bolts (non-locking) 190 / 450 & 600mm long.** Made from Aluminium, Finishes Available; Black, Polished Chrome, Polished Brass & Satin Aluminium.	**CoFold 100 (Bi-Fold)**	SF190ITB / SF190ITC SF190ITG / SF190ITS SF450ITB / SF450ITC SF450ITG / SF450ITS SF600ITB / SF600ITC SF600ITG / SF600ITS
CFB1	**Projection Holdback Catch** Available in Polished Brass or Satin Nickel.	**CoFold 100 (Bi-Fold)**	CFB1-PB CFB1-SN
FP120 **FP150**	**Radius End Door Pull** Available in Polished Stainless Steel or Satin Stainless Steel. Glue Fix or Visable Fix.	**Volo 120 (Sliding)** **Rullo Plus (Sliding)** **CoFold 100 (Bi-Folding)** **Rolkar (Bi-Folding)**	FP120-PSS FP120-316-SSS FP150-316-SSS
KM900 Series	**Straight Slide Patio Door Handles - Solid Backplate.** Available in 316 Satin Stainless Steel. Suite the Yale Locking System (YA).	**Rullo Plus (Sliding)**	KM905-YA-316-SSS KM920-YA-316-SSS
DR-TUBE	**Threshold Drainage Tubes** Supplied in Packs of 10, 200mm each in length.	**Volo 120 (Sliding)** **Rullo Plus (Sliding)** **CoFold 100 (Bi-Folding)** **Rolkar (Bi-Folding)**	DR-TUBE
CF-JIG	**CoFold & Flugel Folding Door System Hinge Drilling Jig.**	**CoFold 100 (Bi-Folding)**	CF-JIG
 **CFCUTTER**	**This Router Cutter is Specifically Profiled for the SF Flush Bolts.**	**CoFold 100 (Bi-Fold)** **Rolkar (Bi-Fold)**	CFCUTTER

Notes.

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Notes...continued.

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