HENDERSON



SECUREFOLD

The ultimate exterior folding door hardware system

Volume 2





Window to the world

P C Henderson's Securefold system offers the very best in exterior folding door hardware systems to securely open up a room to the outside world.

Securefold has been designed and tested to over 100,000 cycles by our in-house experts to enable you to open up your exterior walls with confidence and enjoy a true indoor-outdoor experience. The system operates with effortless ease and combines all the aesthetic benefits of folding timber doors with the additional advantage of uncompromising security, weather resistance and durability.

As a commitment to making the specification process as easy as possible for our customers - our research and development team have developed an online tool called Securefold Specifier. The tool can be used to quickly build a bill of materials or request a quotation for any Securefold project - simply enter a few details and the software will immediately calculate the parts required.



Securefold offers a wide range of essential benefits which makes it one of the safest and most convenient folding door solutions on the market.

It looks great - the system is available in four different hinge options and a range of stunning finishes including satin, chrome, gold and black - meaning it can complement existing hardware and virtually any colour scheme.

It's durable - with most parts made from 316 stainless steel as well as an anodised aluminium track and testing certification to over 100,000 cycles - the system offers an unprecedented working life, particularly in coastal areas.

It's easy to install - comprehensive fitting instructions are supplied with every pack and our Technical Support Team can help with any query you may have. We can also supply a hinge fitting jig upon request.

It's weather resistant - the system comes in a range of modern and contemporary finishes that provide a high degree of weather and corrosion resistance. The table to the right highlights the system test results.



	Air- tightness in PA	Water tightness in PA	Resistance wind force in PA
Test Results	650	6	+3000/-2250
Norm Classification	EN 12207	EN 12208	EN 12210
Class Achieved	4	94A	4

SECUREFOLD

The ultimate folding door hardware system for doors weighing up to 50kg, 100kg and 150kg







vinbolt Securefold 100



Available in four stunning finishes

Securefold offers the very best in exterior folding door hardware systems to help you securely open up an interior space to the outside world. The system has been designed for residential and commercial applications for top hung, exterior wooden or aluminium doors weighing up to 50kg, 100kg and 150kg. With all components made from marine grade 316 stainless steel, the system is extremely resistant against the elements and corrosion. The system comes in a range of stunning finishes including satin, chrome, gold and black meaning it can complement existing hardware and virtually any colour scheme.

The system operates with effortless ease and combines all the aesthetic benefits of folding wooden doors with the additional advantages of uncompromising security and durability.

Securefold 100 features all the benefits of both the 50 and 150 with the addition of a further enhancement, R-Loc – a clever ratchet system that enables installers to easily raise and lower a door.

Securefold Specifier

Use our online Securefold Specifier tool to quickly build a bill of materials or get a quotation www.pchenderson.com/securefold-specifier

Product Information					
Product	Max. Door Height	Max. Door Width	Door Thickness Range*	Max. Door Weight	
Securefold 50	3300mm	1000mm	35 - 68mm	50kg	
Securefold 100	3300mm	1000mm	35 - 68mm	100kg	
Securefold 150	4000mm	1200mm	45 - 68mm	150kg	
Securefold Ultra	3300mm	1000mm	48 - 68mm	100kg	

^{*}For thick and/or narrow width doors please consult the fitting instructions regarding 'camming'. For doors between 35 - 47mm use an alternative flushbolt. Contact our technical team for further information.

SECUREFOLD 50 Product Specification Mortice **Mortice** Non Component Description Standard Square Mortice 180/**** Track Anodised aluminium track - 2000, 2500, 3000, 3500, 4000, 5000 and 6000mm Pivot Pivot assembly SF1*50 SFM1*50 SFW1*50 SF2L*50 SFM2L*50 SFW2L*50 End hanger, left hand (handed inside looking out) SFM2R*50 SF2R*50 SFW2R*50 End hanger, right hand (handed inside looking out) Hanger* Intermediate hanger set SF4*50 SFM4*50 SFW4*50 End hanger rebated meeting kit (for 2 x rebated meeting doors) SF8*50 SFM8*50 SFW8*50 Hinge handle set outward opening SF3* SFM3* SF3* Hinge set inward opening SF5* SFM5* SF5* Hinges Hinge set offset inward opening SF6* SF6* SFM6* Hinge handle offset outward opening SF7* SFM7* SF7* Intermediate pivot hinge SF9* SFM9* SFW9*50 Aluminium threshold in satin - 2000, 2500, 3000, 3500, 4000, 5000 and 6000mm SF94T/**** Aluminium threshold in bronze - 2000, 2500, 3000, 3500, 4000 and 6000mm SF94T/****BZ Threshold Threshold jamb kit SF94T/JAMB Polypropylene channel in black -2000, 2500, 3000, 3500, 4000, 5000 & 6000mm 94P/**** Channel Anod. alum. support channel - 2000, 2500, 3000, 3500, 4000, 5000 & 6000mm 94SC/**** Door perimeter seal in brown or white AQ63B or AQ63W Seals Frame perimeter seal in brown or white AQ21B or AQ21W Track seal in black, 10mm length (per metre) BS10B For outward opening doors in 190, 450 or 600mm lengths (top or bottom of door) SF190* or SF450* or SF600* Flush Bolts For inward opening doors in 190, 450 or 600mm lengths (top of door) SF190IT* or SF450IT* or SF600IT* Locking) For inward opening doors in 190mm length (bottom of door) SF190IB* For outward opening doors in 190, 450 or 600mm lengths (top or bottom of door) SF190L* or SF450L* or SF600L* Flush Bolts (600mm only available in satin and black) (Locking) For inward opening doors in 190mm length (bottom of door) SF190IBL * Handle Handle for Securefold SF10*

SECUREFOLD 100 Product Specification					
Component	Description	Mortice Standard	Mortice Square	Non Mortice	
Track	Anodised aluminium track - 2000, 2500, 3000, 3500, 4000, 5000 and 6000mm		250/****	•	
Pivot	Pivot assembly	SF1*	SFM1*	SFW1*	
	End hanger, left hand (handed inside looking out)	SF2L*	SFM2L*	SFW2L*	
	End hanger, right hand (handed inside looking out)	SF2R*	SFM2R*	SFW2R*	
Hanger*	Intermediate hanger set	SF4*	SFM4*	SFW4*	
	End hanger rebated meeting kit (for 2 x rebated meeting doors)	SF8*	SFM8*	SFW8*	
	Hinge handle set outward opening	SF3*	SFM3*	SF3*	
	Hinge set inward opening	SF5*	SFM5*	SF5*	
Hinges	Hinge set offset inward opening	SF6*	SFM6*	SF6*	
	Hinge handle offset outward opening	SF7*	SFM7*	SF7*	
	Intermediate pivot hinge (SFM9* available in satin, gold and black only)	SF9*	SFM9*	SFW9*	
	Aluminium threshold in satin - 2000, 2500, 3000, 3500, 4000, 5000 and 6000mm	1	SF94T/***	*	
Threshold	Aluminium threshold in bronze - 2000, 2500, 3000, 3500, 4000 and 6000mm	SF94T/***BZ		3Z	
	Threshold jamb kit		SF94T/JAMB		
Channel	Polypropylene channel in black -2000, 2500, 3000, 3500, 4000, 5000 & 6000mm		94P/****		
Charmer	Anod. alum. support channel - 2000, 2500, 3000, 3500, 4000, 5000 & 6000mm	94SC/***			
	Door perimeter seal in brown or white	A	Q63B or AQ	63W	
Seals	Frame perimeter seal in brown or white		AQ21B or AQ21W		
	Track seal in black, 10mm length (per metre)		BS10B		
Flush Bolts	For outward opening doors in 190, 450 or 600mm lengths (top or bottom of door)		SF190* or SF450* or SF600*		
(Non	For inward opening doors in 190, 450 or 600mm lengths (top of door)		SF190IT* or SF450IT* or SF600IT*		
Locking)	For inward opening doors in 190mm length (bottom of door)		SF190IB*		
Flush Bolts (Locking)	For outward opening doors in 190, 450 or 600mm lengths (top or bottom of door) (only available in satin or black)		SF190L* or SF450L* or SF600L*		
(LOCKING)	For inward opening doors in 190 mm length (bottom of door)		SF190IBL*		
Handle	Handle for Securefold		SF10*		
**** Replace by	*Replace with required colour for full short code	- satin, chro	me, gold or bl	ack	

Replace by length of track for full short code

*** Replace by length of track for full short code

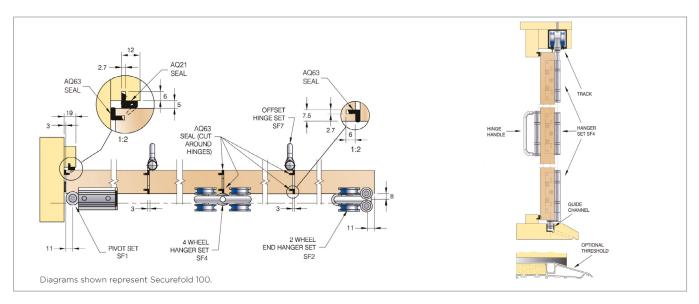
*Replace with required colour for full short code - satin, chrome or black

^{*}Replace with required colour for full short code - satin, chrome , gold or black

SECUREFOLD 150 Product Specification Mortice Standard Component Description Track Anodised aluminium track - 2000, 3000, 4000, 5000 and 6000mm 480/**** Pivot Pivot assembly SF1S150 SF2S150 End hanger set Hanger* Intermediate hanger set SF4S150 End hanger rebated meeting kit (for 2 x rebated meeting doors) SF8S150 Hinge handle set outward opening SF3S150 Hinges Hinge handle offset outward opening SF7S150 SF9S150 Intermediate pivot hinge Polypropylene channel in black -2000, 3000, 4000, 5000 & 6000mm 98P/**** Channel 98SC/**** Anod. alum. support channel - 2000, 3000, 4000, 5000 & 6000mm Door perimeter seal in brown AQ33B Seals Frame perimeter seal in brown or white AQ21B or AQ21W Track seal in black, 15mm length (per metre) BS15B Flush Bolts For outward opening doors in 190, 450 or 600mm lengths (top or bottom of door) SF190S or SF450S or SF600S (Non Locking) Flush Bolt For outward opening doors in 190, 450 or 600mm lengths (top or bottom of door) SF190LS or SF450LS or SF600LS (Locking) Handle Handle for Securefold SF10S150

SECUREFOLD ULTRA Product Specification Component Description Mortice Standard 250/**** Track Anodised aluminium track - 2000, 2500, 3000, 3500, 4000, 5000 and 6000mm SFU1* Pivot Pivot assembly End hanger, left hand (handed inside looking out) SEU2L* End hanger, right hand (handed inside looking out) SEU2R* Hanger* Intermediate hanger set SFU4* End hanger rebated meeting kit (for 2 x rebated meeting doors) SF8* SF3* Hinge handle set outward opening Hinges Hinge handle offset outward opening SF7* Intermediate pivot hinge SFU9* Polypropylene channel in black -2000, 2500, 3000, 3500, 4000, 5000 & 6000mm 94P/**** Channel 94SC/**** Anod. alum. support channel - 2000, 2500, 3000, 3500, 4000, 5000 & 6000mm Door perimeter seal in brown or white AQ63B or AQ63W Seals Frame perimeter seal in brown or white AQ21B or AQ21W Track seal in black, 15mm length (per metre) BS15B Flush Bolts For outward opening doors in 190, 450 or 600mm lengths (top or bottom of door) SF190L* or SF450L* or SF600L* (Locking) (only available in satin or black) SF10* Handle Handle for Securefold

^{*}Replace with required colour for full short code - satin, chrome, gold or black

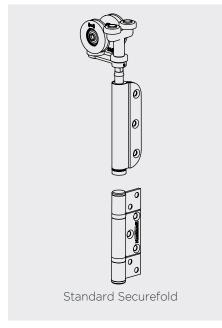


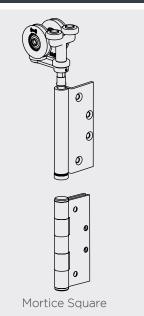
^{****} Replace by length of track for full short code

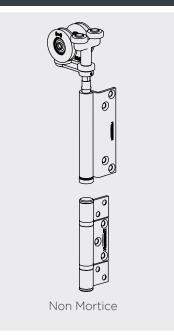
TWINBOLT Alternative locking system for Securefold 50, 100 and 150					
	Description	Securefold 50 and 100			Securefold
Component		Mortice Standard	Mortice Square		150
Twinbolt	Twin locking system for Securefold	TB/SF	TB/SFM	TB/SF	TB/SF150
Twinbolt Handle	Handle for Twinbolt system	TWINHAN/S			
Routing Cover Strip	Available in brown, black or white	TBCS/BR or TBCS/BL or TBCS/WH			



HINGE OPTIONS







P C Henderson offer a choice of three different hinge options in the Securefold range, this enables us to offer our customers a choice in the look and feel of their project as well as variances on the preferred method of installation and door material. Please note for Securefold 150 and Securefold Ultra, mortice standard hinges must be used.

Mortice Standard

The Securefold standard hinge option combines mortice end door pivots to create a clean finish. The pivot is concealed between the door and the jamb and uses the trusted surface mounted intermediate hinges for ease of installation across the remaining door configurations. The standard hinge is suitable for all wooden doors which are 35-68mm thick and weighing up to 150kg. This is a popular option when specifying internal or external folding.

Mortice Square

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 historically this 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 wooden doors between 44 - 68mm thick and weighing up to 100kg.

Non Mortice

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 which can be used on wooden or aluminium doors between 35-68mm thick and weighing up to 100kg.

Accessories



Magnet Set (MAG/*) for between doors

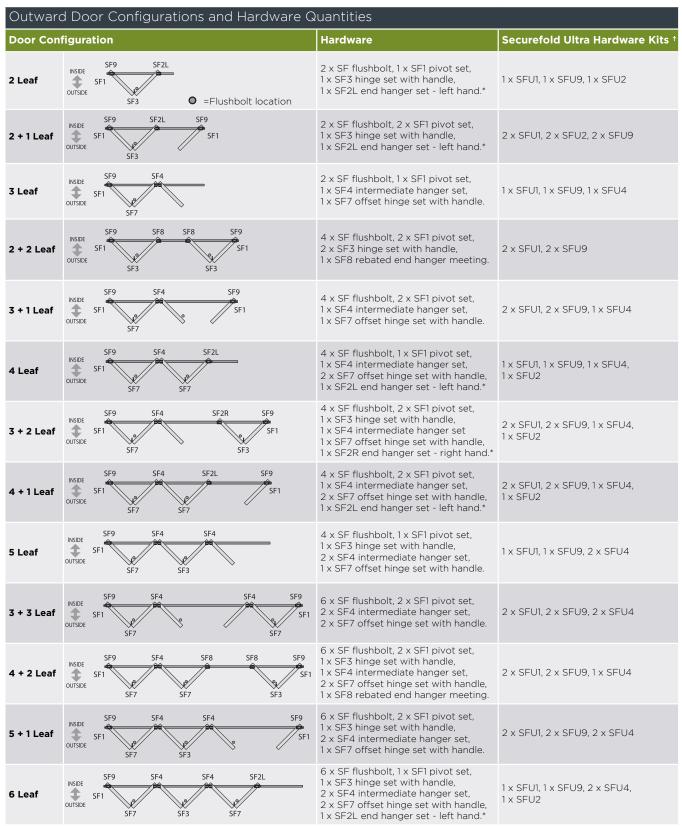


Magnet Set (SWMAG/*) for swing door



Router Tool (ROUTER) for routing detail of flush bolts View our full range of accessories on page 136

* Replace with first letter of required colour for full short code (satin, chrome, gold or black)



Product Information	
SF1 pivot assembly set	SF7 hinge set offset outward opening
SF2R end hanger set (RH)	SF8 rebated end hanger meeting
SF2L end hanger set (LH)	SF9 intermediate pivot hinge (optional)
SF4 intermediate hanger set	SF10 face fix handle (optional)
SF5 hinge set inward opening	SF flushbolt
SF3 hinge set with handle	

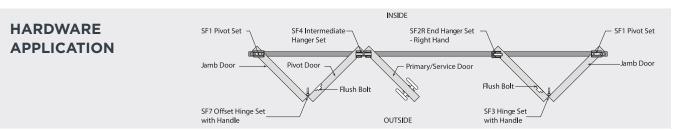
To add surface mounted hinges replace:

SF1 with SFW1 SF2 with SFW2 SF8 with SFW8 SF9 with SFW9

(only available for standard Securefold)

 $^\dagger All$ Securefold Ultra hardware kits come complete with certified hardware, multipoint lock-available in brushed satin, polished stainless steel, gold and black finishes. Specify only track and seals required to complete the specification.

The configurations shown above are viewed from the outside. They can be reversed, if reversed the parts marked * will have to be the opposite handing e.g. "SFW2R/SF2R end hanger set - light hand" will become "SFW2L/SF2L end hanger set - light hand" will become "SFW2L/SF2L end hanger set - light hand" will become "SFW2R/SF2R e



Inward Door Configurations and Hardware Quantities					
Door Con	figurat	ion	Securefold hardware		
2 Leaf	INSIDE	SF1 SF2R	2 x SF flushbolt, 1 x SF1 pivot set, 1 x SF5 hinge set inward opening, 1 x SF2R end hanger set - right hand.*		
2 + 1 Leaf	INSIDE	SF1 SF2R SF1	2 x SF flushbolt, 2 x SF1 pivot set, 1 x SF5 hinge set inward opening, 1 x SF2R end hanger set - right hand*		
3 Leaf	OUTSIDE	SF1 SF4	2 x SF flushbolt, 1 x SF1 pivot set, 1 x SF6 offset hinge set inward opening, 1 x SF4 intermediate hanger set.		
2 + 2 Leaf	INSIDE	SF5 SF5 SF5 SF5 SF1 SF8 SF1	4 x SF flushbolt, 2 x SF1 pivot set, 2 x SF5 hinge set inward opening, 1 x SF8 rebated end hanger meeting.		
3 + 1 Leaf	INSIDE	SF1 SF4 SF1	4 x SF flushbolt, 2 x SF1 pivot set, 1 x SF6 offset hinge set inward opening, 1 x SF4 intermediate hanger set.		
4 Leaf	INSIDE	SF6	4 x SF flushbolt, 1 x SF1 pivot set, 2 x SF6 offset hinge set inward opening, 1 x SF4 intermediate hanger set, 1 x SF2R end hanger set - right hand.*		
3 + 2 Leaf	INSIDE	SF6 SF5 SF1 SF4 SF2L SF1	4 x SF flushbolt, 2 x SF1 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 SF2L end hanger set - left hand.*		
4 + 1 Leaf	INSIDE	SF1 SF4 SF2R SF1	4 x SF flushbolt, 2 x SF1 pivot set, 1 x SF4 intermediate hanger set, 2 x SF6 offset hinge set inward opening, 1 x SF2R end hanger set - right hand.*		
5 Leaf	OUTSIDE	SF1 SF4 SF4	4 x SF flushbolt, 1 x SF1 pivot set, 2 x SF4 intermediate hanger set, 1 x SF5 hinge set inward opening, 1 x SF6 offset hinge set inward opening.		
3 + 3 Leaf	INSIDE	SF1 SF4 SF4 SF1	6 x SF flushbolt, 2 x SF1 pivot set, 2 x SF4 intermediate hanger set, 2 x SF6 offset hinge set inward opening.		
4 + 2 Leaf	INSIDE	SF6	6 x SF flushbolt, 2 x SF1 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 SF8 rebated end hanger meeting.		
5 + 1 Leaf	INSIDE	SF6 SF5 SF4 SF4 SF1	6 x SF flushbolt, 2 x SF1 pivot set, 2 x SF4 intermediate hanger set, 1 x SF5 hinge set inward opening, 1 x SF6 offset hinge set inward opening.		
6 Leaf	INSIDE	SF6	6 x SF flushbolt, 1 x SF1 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 SF2R end hanger set - right hand.*		

The configurations shown above are viewed from the inside. They can be reversed, if reversed the parts marked * will have to be the opposite handing e.g. "SF2R end hanger set - right hand" will become "SF2L end hanger set - left hand" and "SF2L end hanger set - left hand" will become "SF2R end hanger set - right hand". The SF8 (rebated end hanger meeting) is illustrated in the split position on each door. Only one kit is required per door meeting point.

SECUREFOLD BOTTOM ROLLING

Bottom rolling system for folding wooden doors weighing up to 80kg



Our latest addition to the Securefold family allows for huge flexibility in terms of the type of applications it can cater for. Utilising bottom rolling technology, the product carries the weight of the doors at the bottom of the system eliminating the need for a large upper beam. This allows doors to be installed into virtually any space without the need for major structural building support. It also frees up design space allowing for a minimalistic look. Typical applications include orangeries, conservatories, out buildings and extensions.

Our new and improved Twinbolt locking system is also now available as an alternative to flush bolts. Top and bottom throw rods are operated by one simple turn of a handle to engage two points of locking, the system can then be locked from the inside.

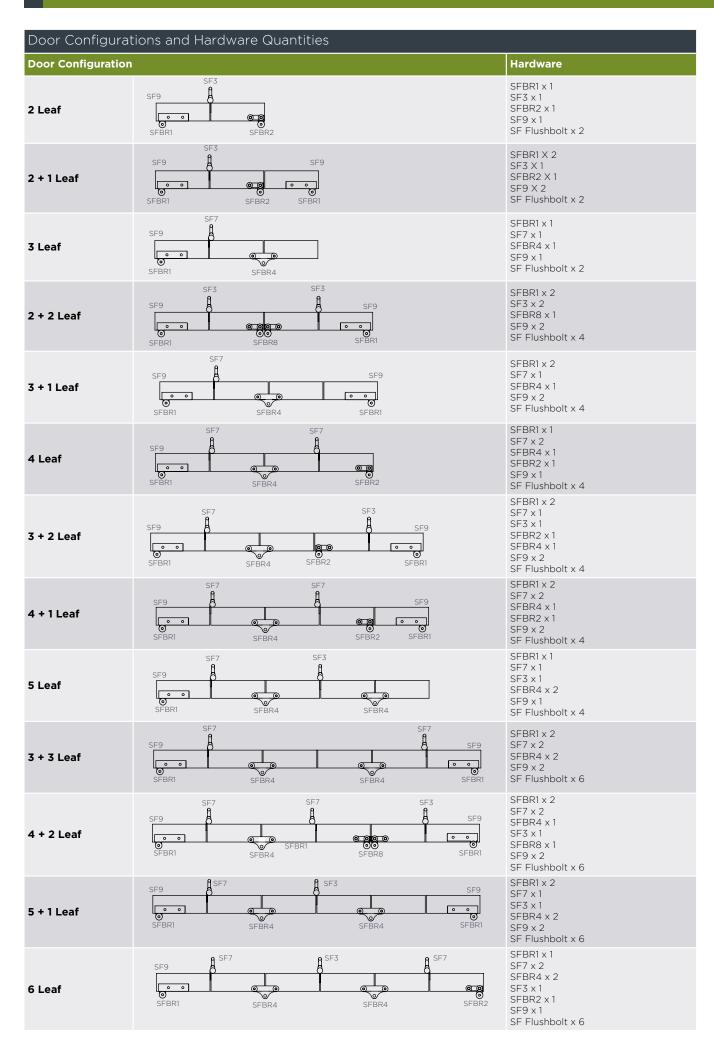
Product Information				
Product	Max. Door Height	Max. Door Width	Door Thickness Range	Max. Door Weight
Securefold Bottom Rolling	3000mm	1000mm	56 - 68mm	80kg

Product Specification						
Component	Description	Standard Mortice	Square Mortice	Non Mortice		
Track	Anodised aluminium track in 3000, 4000 and 6000mm lengths		242/****			
Pivot	Pivot assembly	SFBR1*	SFMBR1*	SFWBR1*		
Roller*	End roller set kit	SFBR2*	SFMBR2*	SFWBR2*		
Rollel	Intermediate roller set kit	SFBR4*	SFMBR4*	SFWBR4*		
	Hinge handle set	SF3*				
Hinge	Hinge set - offset outward opening	SF7*				
	Intermediate hinge for doors above 2200mm		SF9*			
Meeting Kit*	Meeting kit	SFBR8*	SFMBR8*	SFWBR8*		
Channel	Polypropylene guide channel available in 2000, 2500, 3000, 3500, 4000, 5000 and 6000mm lengths	94P/***				
Charmer	Anodised aluminium support channel available in 2000, 25000, 3000, 3500, 4000, 5000 and 6000mm lengths	94SC/***				
	Door perimeter seal in brown	AQ63B or AQ63W				
Seals	Frame perimeter seal in brown or white	AQ21B or AQ21W				
	Track seal in black	BS10B				
	Flushbolt in 190, 450 and 600mm lengths (non lockable)	SF190* or SF450* or SF600*				
Flushbolts	Flushbolt in 190, 450 and 600mm lengths (lockable) (600mm only available in satin or black)	SF190L* or SF450L* or SF600L*				
Handle	Handle for Securefold	SF10*				

^{****} Replace by length of track for full short code * Replace with first letter of required colour for full short code - gold, black, chrome or satin

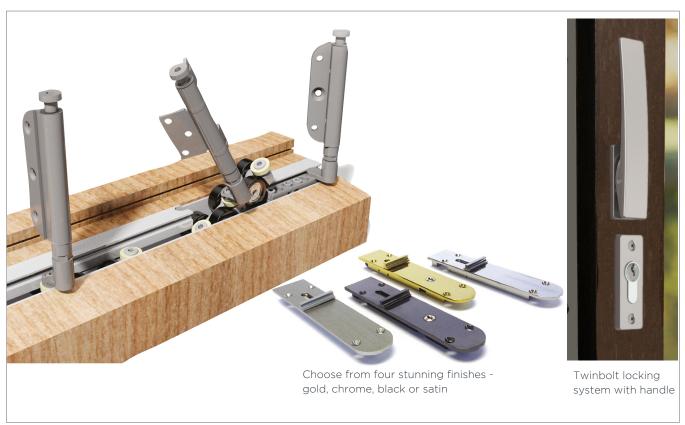
Twinbolt Specification - Alternative locking system to flush bolts					
Component Description Standard Mortice Square Mortice Non Mortice					
Twinbolt	Twin locking system for Securefold	TB/SFBR	TB/SFMBR	TB/SFBR	
Twinbolt Handle	Handle for Twinbolt	TWINHAN/S			
Routing Cover Strip	Available in brown, black or white	TBCS/BR or TBCS/BL or TBCS/WH			

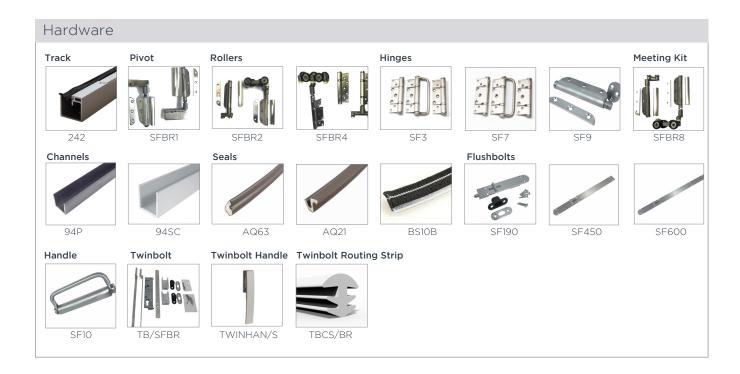
Wood

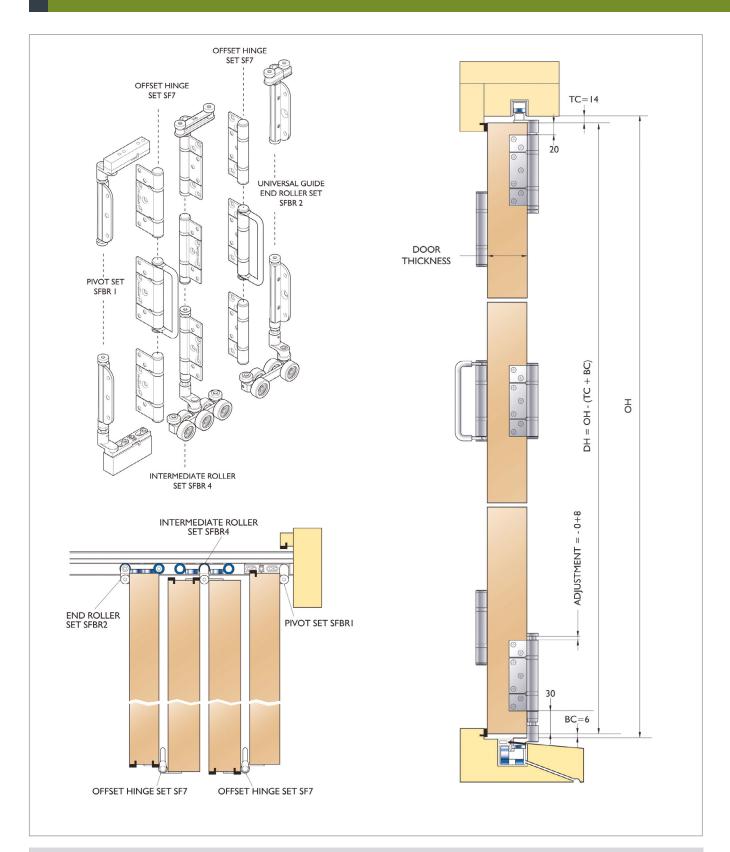


FOLDING 80kg Wood Interior Exterior Bottom Rolling

SECUREFOLD BOTTOM ROLLING CONTINUED







Accessories



Magnet Set (MAG/*) for between doors



Magnet Set (**SWMAG/***) for swing door



Router Tool (ROUTER) for routing detail of flush bolts

View our full range of accessories on page 136

 st Replace with first letter of required colour for full short code (satin, chrome, gold or black)

Accessories

Enhance your Securefold system by choosing from our wide range of accessories

HANDLES



SF10G

PVD gold, for folding doors, 118mm (h) x 16mm (w) x 45mm (d)



SF10S

Satin, for folding doors, 118mm (h) x 16mm (w) x 45mm (d)



Chrome, for folding doors, 118mm (h) x 16mm (w) x 45mm (d)



SF10B

Black, for folding doors, 118mm (h) x 16mm (w) x 45mm (d)

DOOR MAGNETS



MAG/B

Black magnet set for between doors



Chrome magnet set for between doors



SWMAG/B

Black magnet set for swing door



MAG/C



SWMAG/C

Chrome magnet set for swing door



MAG/G

Gold magnet set for between doors



SWMAG/G

Gold magnet set for swing door



MAG/S

Satin magnet set for between doors



SWMAG/S

Satin magnet set for swing door

TWINBOLT



Twinbolt

Locking system for use with Securefold and Securefold Bottom Rolling. Top and bottom throw rods are operated by one simple turn to engage two points of locking.

For Securefold Bottom Rolling (for mortice and non mortice applications)

TB/SFMBR

For Securefold Bottom Rolling (for mortice squared applications)

TB/SF

For Securefold 50 and 100 (for mortice and non mortice applications)

For Securefold 50 and 100 (for mortice squared applications)

TB/SF150

For Securefold 150



TWINHAN/S

Handle for use with Twinbolt



TBCS**

Routing cover strip for use with Twinbolt

** For black use code TBCSBL; for white use code TBCSWH; for brown use code TBCSBR

Global leaders in the design and manufacture of hardware systems for sliding and folding doors



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