



# P C Henderson Product Range

For Sliding & Folding Doors

*Design in motion*

January 2014

# HENDERSON



# Henderson

## Design in Motion

### World leaders in the design and manufacture of hardware systems for sliding and folding doors.

P C Henderson has long been acknowledged as a world leader in the design and manufacture of hardware systems for sliding and folding doors. Established in 1921, P C Henderson is recognised as a solution provider around the world for folding and sliding hardware specifications and exports to over 70 countries worldwide with representatives across the globe.

We are experts in our field and are capable of offering bespoke solutions to match your project needs. We have a highly skilled workforce with in depth knowledge and extensive experience

on projects of all sizes across the world. Each and every one of our team members realise that flexibility is a key priority when working with our customers to ensure they achieve a solution that maximises the opening space without compromising on style and function.

Our hardware systems can be seen in many high profile applications worldwide in a wide variety of residential, commercial and industrial settings. They lend themselves to creating a flexible space both in the workplace and at home.



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## Digital Services

As part of the company's ongoing commitment to the environment and supporting its global network of distributors, P C Henderson has designed a variety of digital tools for distributors to easily generate quotes and obtain technical information at the click of a button both in and out of the office.

### Expert Specification Software

Let us recommend the optimum system for your needs. We have developed our own, unique support software to assist our customers to obtain rapid accurate specifications and prices. Visit us online and simply answer a few straightforward questions about your sliding or folding door project and we will do the rest of the work or alternatively, you can call our Technical Customer Services and they will be happy to lead you through the quotation process.

### Securefold Specifier

Enter a few details about your project into the Securefold Specifier and the software will immediately calculate the Bill of Materials you will need. You can print out a copy and take it to any P C Henderson distributor, click 'send' to e-mail through to your preferred distributor or e-mail directly to our Technical Customer Services for a quote.

### Interactive Digital Brochures

P C Henderson has launched a range of interactive digital brochures encompassing its entire product range of sliding and folding door hardware systems for domestic, commercial and industrial applications.

Available to download from the website, customers can view each product with ease of functionality as pop up boxes and a fully interactive toolbar allows for effortless browsing, without additional clicks.

### Free Web App

The brochures are available as a web app (suitable for all tablets and smart phones), which is ideal when on the move and visiting clients. A desktop app with additional offline versions is also available for quick access from a workstation.

Providing access to a comprehensive library of information, each brochure provides a detailed guide to all products which are presented with inspiring installation images and full technical information. This is available for download for free from [www.pchenderson.com](http://www.pchenderson.com)



## RESIDENTIAL HARDWARE

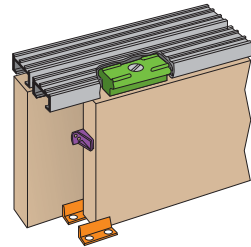


## SLIPPER

An ideal system for fitted furniture where no bottom track is required; such as serving hatches, cupboards or anything with lightweight wood or chipboard sliding doors.

- Quiet nylon rollers on attractive aluminium track
- Doors easily removed for cleaning and decorating.

SLIDING INTERIOR WOOD  
9Kg  
19lbs



Specification	Maximum Door Weight (kg/lbs)	Maximum Door Size (h x w x d, mm/in.)	Number of Doors	Track Length (mm/in.)
SS4	9kg/19lbs	1800x900x30mm/71 x 35 <sup>7</sup> / <sub>16</sub> x 1 <sup>3</sup> / <sub>16</sub> "	2	1200mm/47 <sup>1</sup> / <sub>4</sub> "
SS5	9kg/19lbs	1800x900x30mm/71 x 35 <sup>7</sup> / <sub>16</sub> x 1 <sup>3</sup> / <sub>16</sub> "	2	1500mm/59 <sup>1</sup> / <sub>16</sub> "
SS6	9kg/19lbs	1800x900x30mm/71 x 35 <sup>7</sup> / <sub>16</sub> x 1 <sup>3</sup> / <sub>16</sub> "	2	1800mm/70 <sup>13</sup> / <sub>16</sub> "

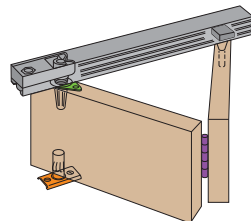


## BIFOLD

A stable and smooth-opening folding system for wardrobe doors. Designed for timber, timber framed or composite doors.

- Aluminium top track with fittings and spring loaded guides
- Low maintenance system and suitable for jambless openings.

FOLDING INTERIOR WOOD  
14Kg  
30lbs



Specification	Maximum Door Weight (kg/lbs)	Maximum Door Size (h x w x d, mm/in.)	Number of Doors	Track Length (mm/in.)
B10/2	14kg/30lbs	2400x530x35mm/94 <sup>1</sup> / <sub>2</sub> x 20 <sup>13</sup> / <sub>16</sub> x 1 <sup>3</sup> / <sub>8</sub> "	2	1067mm/42"
B15/4	14kg/30lbs	2400x530x35mm/94 <sup>1</sup> / <sub>2</sub> x 20 <sup>13</sup> / <sub>16</sub> x 1 <sup>3</sup> / <sub>8</sub> "	4 (2+2)	1524mm/60"
B20/4	14kg/30lbs	2400x530x35mm/94 <sup>1</sup> / <sub>2</sub> x 20 <sup>13</sup> / <sub>16</sub> x 1 <sup>3</sup> / <sub>8</sub> "	4 (2+2)	2134mm/84"

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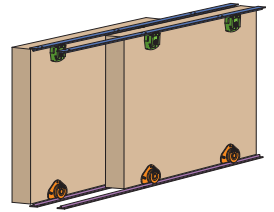


## CELLO

A perfect system for timber, timber framed or composite wardrobe sliding doors. It will make a huge difference to virtually any large storage area.

- Bottom rollers operate quietly on attractive aluminium rails
- Easy to install, with no routing of the doors required.

SLIDING INTERIOR WOOD  
 25Kg  
 55lbs



Specification	Maximum Door Weight (kg/lbs)	Maximum Door Size (h x w x d, mm/in.)	Number of Doors	Track Length (mm/in.)
C15	25kg/55lbs	2400x920x40mm/94 <sup>7</sup> / <sub>16</sub> x 36 x 1 <sup>1</sup> / <sub>2</sub> "	2	1500mm/59 <sup>1</sup> / <sub>16</sub> "
C18	25kg/55lbs	2400x920x40mm/94 <sup>7</sup> / <sub>16</sub> x 36 x 1 <sup>1</sup> / <sub>2</sub> "	2	1800mm/70 <sup>7</sup> / <sub>8</sub> "
C24	25kg/55lbs	2400x920x40mm/94 <sup>7</sup> / <sub>16</sub> x 36 x 1 <sup>1</sup> / <sub>2</sub> "	3	2400mm/94 <sup>1</sup> / <sub>2</sub> "

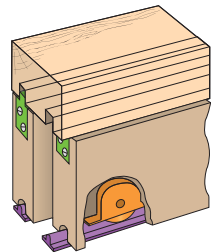


## LORETTO

Especially designed to work with timber framed, glazed and flush doors. A high quality finish for wardrobes, cupboards, bookcases or other cabinet work.

- Nylon rollers operate quietly and smoothly on aluminium rails
- Multiple tracks can be fitted.

SLIDING INTERIOR WOOD  
 23Kg  
 50lbs



Specification	Maximum Door Weight (kg/lbs)	Maximum Door Size (h x w x d, mm/in.)	Number of Doors	Track Length (mm/in.)
D4	23kg/50lbs	1800x900x45mm/70 <sup>13</sup> / <sub>16</sub> x 35 <sup>7</sup> / <sub>16</sub> x 1 <sup>3</sup> / <sub>4</sub> "	2	1200mm/47 <sup>1</sup> / <sub>4</sub> "
D5	23kg/50lbs	1800x900x45mm/70 <sup>13</sup> / <sub>16</sub> x 35 <sup>7</sup> / <sub>16</sub> x 1 <sup>3</sup> / <sub>4</sub> "	2	1500mm/59 <sup>1</sup> / <sub>16</sub> "
D6	23kg/50lbs	1800x900x45mm/70 <sup>13</sup> / <sub>16</sub> x 35 <sup>7</sup> / <sub>16</sub> x 1 <sup>3</sup> / <sub>4</sub> "	2	1800mm/70 <sup>3</sup> / <sub>4</sub> "



## RESIDENTIAL HARDWARE

**ZENITH**

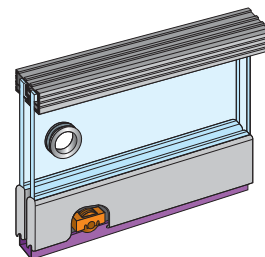
A versatile system for showcases, bookcases, display panels, hatches, interior windows or anything else requiring a lightweight sliding glass door.

- Satin-anodised finish aluminium gear with brush pile strips on guide rail
- Silent and easy glide motion.

SLIDING

INTERIOR

GLASS

25Kg  
55lbs

Specification	Maximum Door Weight (kg/lbs)	Maximum Door Size (h x w x d, mm/in.)	Number of Doors	Track Length (mm/in.)
Z12	25kg/55lbs	1800x916x6mm/70 <sup>13</sup> / <sub>16</sub> x 36 x <sup>5</sup> / <sub>16</sub> "	2	1200mm/47 <sup>1</sup> / <sub>4</sub> "
Z15	25kg/55lbs	1800x916x6mm/70 <sup>13</sup> / <sub>16</sub> x 36 x <sup>5</sup> / <sub>16</sub> "	2	1500mm/59 <sup>1</sup> / <sub>16</sub> "
Z18	25kg/55lbs	1800x916x6mm/70 <sup>13</sup> / <sub>16</sub> x 36 x <sup>5</sup> / <sub>16</sub> "	2	1800mm/70 <sup>13</sup> / <sub>16</sub> "

**SENATOR**

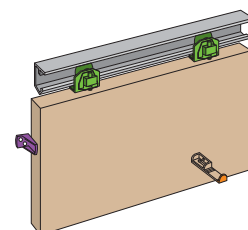
An elegant, premium quality sliding mechanism for heavier entrance and room dividing doors. Suitable for timber, timber framed and composite doors.

- Standard kit for a single leaf door
- Easy fix floor guide.

SLIDING

INTERIOR

WOOD

30Kg  
66lbs

Specification	Maximum Door Weight (kg/lbs)	Maximum Door Size (h x w x d, mm/in.)	Number of Doors	Track Length (mm/in.)
SEN	30kg/66lbs	2400x900x35mm/94 <sup>1</sup> / <sub>2</sub> x 35 <sup>7</sup> / <sub>16</sub> x 1 <sup>3</sup> / <sub>8</sub> "	1	2400mm/94 <sup>7</sup> / <sub>16</sub> "

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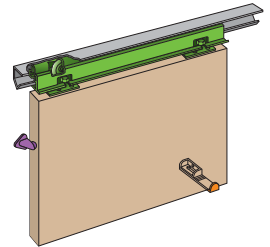
## PHANTOM

An exceptionally quiet, frictionless and easy to operate sliding mechanism. The Phantom can effortlessly divide any room in a residential, hospital or hotel environment.

- For timber, timber framed or composite doors
- Optional kits for conversion to simultaneous action or self closing doors.

SLIDING INTERIOR WOOD

45Kg  
99lbs



Specification	Maximum Door Weight (kg/lbs)	Maximum Door Size (h x w x d, mm/in.)	Number of Doors	Track Length (mm/in.)
P9	45kg/99lbs	2400x915x50mm/94½ x 36 x 1½"	1	1525mm/60"



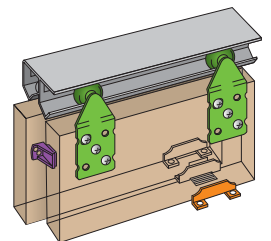
## DOUBLE TOP

The perfect choice for heavy duty sliding door applications such as larger wardrobes and cupboards in hotels, schools, hospitals and offices.

- Double track used for bi-passing doors
- Nylon hangers work silently on an aluminium track
- Door heights can be adjusted easily and a triple door kit can support openings up to 2400mm.

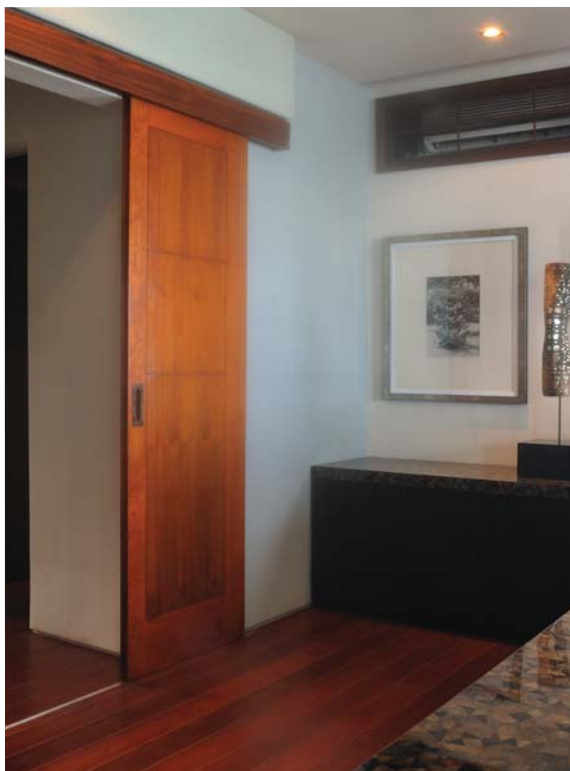
SLIDING INTERIOR WOOD

45Kg  
99lbs



Specification	Maximum Door Weight (kg/lbs)	Maximum Door Size (h x w x d, mm/in.)	Number of Doors	Track Length (mm/in.)
W12	45kg/99lbs	2400x900x40mm/94½ x 35⅞ x 1½"	2	1200mm/47¼"
W15	45kg/99lbs	2400x900x40mm/94½ x 35⅞ x 1½"	2	1500mm/59⅞"
W18	45kg/99lbs	2400x900x40mm/94½ x 35⅞ x 1½"	2	1800mm/70⅞"
W24	45kg/99lbs	2400x900x40mm/94½ x 35⅞ x 1½"	3	2400mm/94⅞"

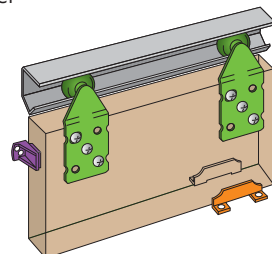
## RESIDENTIAL HARDWARE



## SINGLE TOP

With the Single Top, wardrobe doors have never been more graceful. The system works with single track timber framed or composite doors.

- Nylon rollers operate quietly and smoothly on aluminium rails
- Three kits are available with different track lengths.



SLIDING INTERIOR WOOD

45Kg  
99lbs

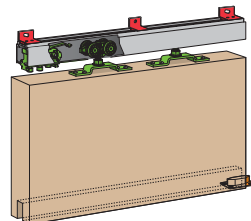
Specification	Maximum Door Weight (kg/lbs)	Maximum Door Size (h x w x d, mm/in.)	Number of Doors	Track Length (mm/in.)
ST12	45kg/99lbs	2400x600x40mm/94 $\frac{1}{2}$ x 23 $\frac{5}{8}$ x 1 $\frac{1}{2}$ "	1	1200mm/47 $\frac{1}{4}$ "
ST15	45kg/99lbs	2400x750x40mm/94 $\frac{1}{2}$ x 29 $\frac{1}{2}$ x 1 $\frac{1}{2}$ "	1	1500mm/59 $\frac{1}{16}$ "
ST18	45kg/99lbs	2400x900x40mm/94 $\frac{1}{2}$ x 35 $\frac{7}{16}$ x 1 $\frac{1}{2}$ "	1	1800mm/70 $\frac{13}{16}$ "



## HUSKY SLIDING 50 &amp; 100

A versatile and silent system for creating wardrobe doors and room dividers with one or more timber, timber framed or metal doors at each side.

- Husky 50 and Husky 100 support doors of up to 50kg/110lb and 100kg/200lb respectively
- Optional fitting kit allows additional doors to be fitted
- Soft stop available
- SIM100 kit available to allow for simultaneous bi-parting doors
- Steel or aluminium (A) track.



SLIDING INTERIOR WOOD

METAL 50kg  
110lbs 100kg  
200lbs

Specification	Maximum Door Weight (kg/lbs)	Maximum Door Size (h x w x d, mm/in.)	Number of Doors	Track Length (mm/in.)
H50/15 or 15A	50kg/110lbs	2700x800x50mm/106 $\frac{1}{4}$ x 31 $\frac{1}{2}$ x 2"	1	1500mm/59 $\frac{1}{16}$ "
H50/18 or 18A	50kg/110lbs	2700x950x50mm/106 $\frac{1}{4}$ x 37 $\frac{7}{16}$ x 2"	1	1800mm/70 $\frac{13}{16}$ "
H50/20 or 20A	50kg/110lbs	2700x1050x50mm/106 $\frac{1}{4}$ x 44 $\frac{1}{2}$ x 2"	1	2000mm/78 $\frac{11}{16}$ "
H50/24 or 24A	50kg/110lbs	2700x1250x50mm/106 $\frac{1}{4}$ x 49 $\frac{1}{4}$ x 2"	1	2400mm/94 $\frac{1}{2}$ "
H100/15 or 15A	100kg/220lbs	2700x800x50mm/106 $\frac{1}{4}$ x 31 $\frac{1}{2}$ x 2"	1	1500mm/59 $\frac{1}{16}$ "
H100/18 or 18A	100kg/220lbs	2700x950x50mm/106 $\frac{1}{4}$ x 37 $\frac{7}{16}$ x 2"	1	1800mm/70 $\frac{13}{16}$ "
H100/20 or 20A	100kg/220lbs	2700x1050x50mm/106 $\frac{1}{4}$ x 44 $\frac{1}{2}$ x 2"	1	2000mm/78 $\frac{11}{16}$ "
H100/24 or 24A	100kg/220lbs	2700x1250x50mm/106 $\frac{1}{4}$ x 49 $\frac{1}{4}$ x 2"	1	2400mm/94 $\frac{1}{2}$ "



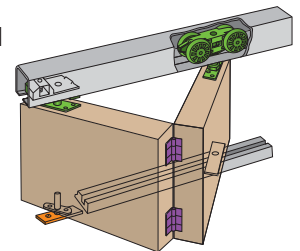
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## HUSKY FOLDING 25 & 40

A flexible solution for both light and medium weight residential folding partitions. Concealed fixings and robust floor gear allow partitions to be neatly stacked at one side.

- Husky Folding 25 can support doors of up to 25kg/55lb without a floor channel
- Husky Folding 40 can support doors of up to 40kg/88lb with a floor channel guide included.



FOLDING	INTERIOR	WOOD
25kg 55lbs	40kg 88lbs	

Specification	Maximum Door Weight (kg/lbs)	Maximum Door Size (h x w x d, mm/in.)	Number of Doors	Track Length (mm/in.)
H25/12	25kg/55lbs	2400x600x44mm/94½ x 23⅝ x 1¾"	2	1200mm/47¼"
H25/24	25kg/55lbs	2400x600x44mm/94½ x 23⅝ x 1¾"	4	2400mm/94½"
H40/15	40kg/88lbs	2700x750x44mm/106¼ x 29½ x 1¾"	2	1500mm/59"
H40/30	40kg/88lbs	2700x750x44mm/106¼ x 29½ x 1¾"	4	3000mm/118"

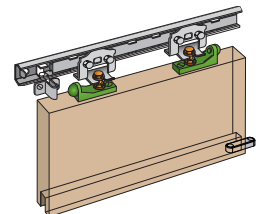


Pair of doors (illustrated) requires 2 kits.

## MARATHON SLIDING 55 & 90

With its unique simultaneous opening action, easily adjusted door heights and fire door kit option, the Marathon is in a class of its own for both light and heavy duty commercial sliding doors and partitions.

- Marathon Sliding 55 and Marathon Sliding 90 support doors of up to 55kg/121lb and 90kg/198lb respectively
- Extra fixing needed when hanging metal doors
- Can also be used externally with weather protection
- Fire door kits available: FDK1 - self closing, FDK2 - non self closing (for S3, S4, S5 & S6 kits only).



SLIDING	INTERIOR	EXTERIOR	WOOD
METAL	55kg 121lbs	90kg 198lbs	

Specification	Maximum Door Weight (kg/lbs)	Minimum and Maximum Door Width (mm/in.)	Number of Doors	Track Length (mm/in.)
J2	55kg/121lbs	400mm/15¾" to 750mm/29½"	1	1219mm/48"
J3	55kg/121lbs	750mm/29½" to 900mm/35⅞"	1	1473mm/58"
J4	55kg/121lbs	900mm/35⅞" to 1050mm/44½"	1	1702mm/67"
J5	55kg/121lbs	1050mm/44½" to 1200mm/47¼"	1	1981mm/78"
J6	55kg/121lbs	1200mm/47¼" to 1500mm/59⅞"	1	2438mm/96"
S2	90kg/198lbs	400mm/15¾" to 750mm/29½"	1	1219mm/48"
S3	90kg/198lbs	750mm/29½" to 900mm/35⅞"	1	1473mm/58"
S4	90kg/198lbs	900mm/35⅞" to 1050mm/44½"	1	1702mm/67"
S5	90kg/198lbs	1050mm/44½" to 1200mm/47¼"	1	1981mm/78"
S6	90kg/198lbs	1200mm/47¼" to 1500mm/59⅞"	1	2438mm/96"
S7	90kg/198lbs	1500mm/59⅞" to 1800mm/70⅞"	1	3048mm/120"
S8	90kg/198lbs	1800mm/70⅞" to 2000mm/78⅞"	1	3226mm/127"
S9	90kg/198lbs	2000mm/78⅞" to 2500mm/98½"	1	4420mm/174"

## AUTOMATED HARDWARE SYSTEMS



### EVOLVE 60

An automated system for pocket doors that enables sliding doors to be completely concealed within a wall cavity.

- Ideal for areas where space is at a premium, such as bathrooms, kitchens and toilets
- Can be added to most installations of interior pocket doors up to 60kg
- Quiet non intrusive motor
- Adapter pack or mains wired options.

AUTOMATED

INTERIOR

WOOD

60Kg  
132lbs

Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
60kg/132lbs	28mm/1 1/8"	44mm/1 3/4"	930mm/36 5/8"	2315mm/91 1/8"



### EVOLVE 80

An automation kit that will further enhance the sophistication and convenience of the Husky 100\* range of products.

- Can be used on most installations, including soffit and face fix applications on timber doors up to 80kg
- A standard 2 metre kit can be used for openings of up to 900mm clear aperture
- Quiet non intrusive motor
- Adapter pack or mains wired options.

AUTOMATED

INTERIOR

WOOD

80Kg  
176lbs

\*See P C Henderson's Residential Brochure for further information.

Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Width (mm/in.)
80kg/176lbs	30mm/1 1/8"	50mm/1 15/16"	1100mm/43 3/16"

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Technical information available online [www.pchenderson.com](http://www.pchenderson.com)



EVOLVE 80 SIM KIT

An automated simultaneous action kit for bi-parting doors, designed to enhance Husky systems even further.

- Can be used with timber doors with a combined weight of up to 80kg
- A standard 4 metre kit can be used for a variety of openings
- Quiet non intrusive motor
- Adapter pack or mains wired options.

AUTOMATED	INTERIOR	WOOD
40Kg 88lbs per door		

Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Width (mm/in.)
40kg/88lbs	30mm / 1 <sup>3</sup> / <sub>16</sub> "	50mm / 1 <sup>5</sup> / <sub>16</sub> "	1100mm/43 <sup>5</sup> / <sub>16</sub> "



## COMMERCIAL HARDWARE

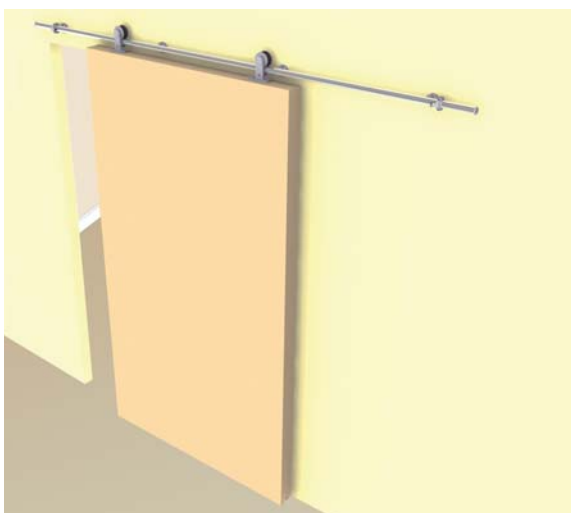
**SIROCCO**

A self-closing system for a single metal or timber sliding door. Complete with a hydraulically controlled soft close feature.

- Adjustable closing speed feature
- Door brake to reduce opening speed and prevent damage to the door and system
- Optional hold open unit for time delay before closing.

SLIDING	INTERIOR	WOOD
	METAL	80Kg 176lbs

Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Minimum Door Width (mm/in.)	Maximum Door Width (mm/in.)
80kg/176lbs	30mm/1 <sup>3</sup> / <sub>16</sub> "	46mm/1 <sup>13</sup> / <sub>16</sub> "	800mm/31 <sup>1</sup> / <sub>2</sub> "	1200mm/47 <sup>1</sup> / <sub>4</sub> "

**SIENNA**

An elegant system designed especially for sliding, frameless timber doors. Simplicity of design creates a timeless and minimalistic appearance.

- Rollers engineered to run effortlessly along a brushed stainless steel tubular track
- Stops are positioned on the track to limit the travel of the door.

SLIDING	INTERIOR	WOOD
		120Kg 264lbs

Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Minimum Door Width (mm/in.)	Maximum Door Height (mm/in.)
120kg/264lbs	30mm/1 <sup>3</sup> / <sub>16</sub> "	70mm/2 <sup>3</sup> / <sub>4</sub> "	700mm/27 <sup>9</sup> / <sub>16</sub> "	2500mm/98"

**SOLTAIRE**

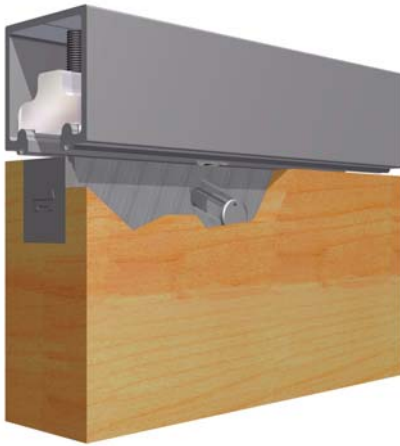
A durable system that is ideal for heavy usage applications. Designed to accommodate one or two doors that can slide to either side or both to the same side.

- Ideal for areas requiring a high level of corrosion resistance
- Made from 316 stainless steel
- Low friction enables a smooth fingertip operation
- The track can be soffit fixed or face fixed for flexibility of installation.

SLIDING	INTERIOR	EXTERIOR
WOOD	METAL	Up to 250Kg 551lbs

Specification	Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Height (mm/in.)
120	120kg/264lbs	19mm/3/4"	48mm/2"	3000mm/118"
180	180kg/396lbs	35mm/1 <sup>3</sup> / <sub>8</sub> "	48mm/2"	3000mm/118"
250	250kg/551lbs	35mm/1 <sup>3</sup> / <sub>8</sub> "	48mm/2"	3300mm/129 <sup>15</sup> / <sub>16</sub> "

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## SOLTAIRE LOW HEADROOM

SLIDING	INTERIOR	EXTERIOR
WOOD	Up to 250Kg 551lbs	

Low headroom products are a clever way of hiding all of the operating door hardware, enabling the end user to create a modern and minimalistic finish.

- Designed to create a modern and minimalistic finish with all parts concealed
- Can reduce the clearance between the track and the top of the door to 2mm
- Vertically adjustable sliding door kit for low or restricted headroom applications.

Specification	Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Height (mm/in.)	Low Headroom Kit Pack
120	120kg/264lbs	19mm / 3/4"	48mm / 2"	3000mm/118"	LH120A
180	180kg/396lbs	35mm / 1 3/8"	48mm / 2"	3000mm/118"	LH180A
250	250kg/551lbs	35mm / 1 3/8"	48mm / 2"	3300mm/129 15/16"	LH250A



## PACER STRAIGHT SLIDING

SLIDING	INTERIOR	WOOD
METAL	200Kg 440lbs	

A flexible system for top hung, straight sliding doors in timber or metal. Ideal for shop fronts, offices or any stylish interior.

- Timber doors can be either solid or glazed
- Metal doors can be angle or box section
- Aluminium is dependent on extrusion profile
- The track can be soffit fixed or face fixed for flexibility of installation.

Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Height (mm/in.)
200kg/440lbs	35mm / 1 3/8"	46mm / 1 13/16"	3000mm/118"



## FLEXIROL STRAIGHT SLIDING

SLIDING	INTERIOR	EXTERIOR
WOOD	METAL	500Kg 1102lbs

A straight sliding system that is ideally suited to hotels, conference centres, shop fronts, showrooms or any site that requires both high performance and attractive finish.

- For top hung timber, aluminium and steel doors up to 500kg
- Timber and steel doors of either angle frame or box section and aluminium extrusion
- The track can be soffit fixed or face fixed for flexibility of installation.

Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Minimum Door Width (mm/in.)	Maximum Door Height (mm/in.)
500kg/1102lbs	40mm / 1 5/8"	100mm / 3 15/16"	700mm / 27 9/16"	2500mm/98"

## COMMERCIAL HARDWARE



### LIFT & SLIDE

The lift and slide system operates with a simple turn of the door handle. This unlocks the door, lifts the door up from its weather tight position and allows it to slide easily on the carriages with minimal friction. Once open the door can be lowered at any position and locked by moving the handle down. This simple operation is achieved with the confidence that the system offers superior weather resistance and; with the combination of the multi-lock mechanism and concealed position of the carriages, excellent security.

- Designed to accommodate large door leaves of up to 3m x 3m
- Opens up an entire wall creating an indoor/outdoor living experience
- Doors operate with a simple turn of the handle
- Designed to give superior weather resistance
- Excellent security features
- Available in 3 CE rated levels: Base, Intermediate and Climatech
- Tested to European Standard EN 14351-1 for waterproof, windproof, airproof and safety impact tests and EN 10077-1 and EN 10077-2 for the calculation of heat transmittance.

SLIDING	INTERIOR	EXTERIOR
WOOD	METAL	300Kg 660lbs

Maximum Leaf Weight (kg/lbs)	Minimum Leaf Width (mm/in.)	Maximum Leaf Width (mm/in.)	Minimum Leaf Height (mm/in.)	Maximum Door Height (mm/in.)	Door Thickness (mm/in.)
300kg/661lbs	560mm/22"	3000mm/118"	800mm/31½"	3000mm/118"	68mm/2⅝"



### SECUREFOLD

The ultimate in exterior end folding door systems for residential and commercial applications. It removes barriers and fully opens up exterior walls for a true indoor - outdoor experience.

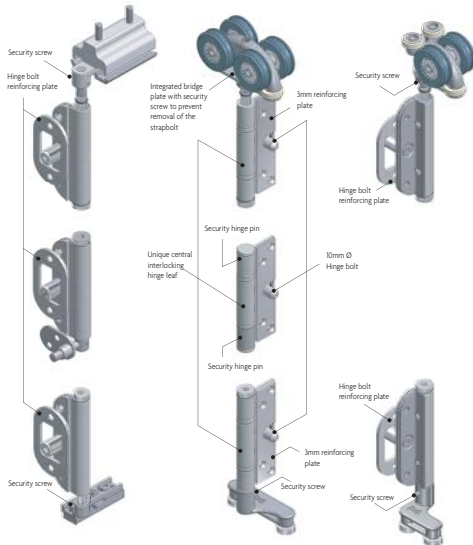
- A range of premium security features
- Inward folding doors can be used where the doors are not directly exposed to the weather
- Available in 4 finishes, black, brushed satin, polished stainless and titanium gold
- Unique 316 stainless steel hardware available for aluminium doors in highly corrosive areas such as coastal applications.

FOLDING	EXTERIOR	WOOD
	ALUMINIUM	100Kg 220lbs

Specification	Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
Timber	100kg/220lbs	35mm/1⅜"	68mm/2⅝"	1000mm/39⅜"	3300mm/129⅝"
Aluminium	100kg/220lbs	35mm/1⅜"	68mm/2⅝"	1000mm/39⅜"	3000mm/118"



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## SECUREFOLD ULTRA

FOLDING	EXTERIOR	WOOD
100Kg 220lbs		

One of the most secure folding systems on the market. Due to its additional security enhanced components, Securefold Ultra has been approved by Secured by Design and certified for burglar resistance by PAS24 and BSEN 1627 Class 2.

- Attack resistant interlocking hinge and enhanced security screws
- Robust stainless steel drop bolt and hinge bolt to secure panels together
- Available in 4 finishes, black, brushed satin, polished stainless and titanium gold.

Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
100kg/220lbs	45mm/1 <sup>3</sup> / <sub>4</sub> "	68mm/2 <sup>5</sup> / <sub>8</sub> "	1000mm/39 <sup>3</sup> / <sub>8</sub> "	3300mm/129 <sup>15</sup> / <sub>16</sub> "

## PACER INTERIOR CENTREFOLD

FOLDING	INTERIOR	WOOD
75Kg 165lbs		

An ideal system for residential and commercial projects that require medium weight, centrally folding partition doors.

- Leaves are hung centrally and can fold to one or both sides
- Any access door should be hinged separately to the jamb.

Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
75kg/165lbs	35mm/1 <sup>3</sup> / <sub>8</sub> "	44mm/1 <sup>3</sup> / <sub>4</sub> "	900mm/35 <sup>7</sup> / <sub>16</sub> "	2700mm/106"

## PACER ENDFOLD

FOLDING	INTERIOR	EXTERIOR
WOOD	ALUMINIUM	65Kg 143lbs

Top hung, medium weight partition doors system that is perfect for internal and external residential and commercial applications requiring endfolding doors.

- Systems available for both interior and exterior timber doors plus external aluminium doors
- Both two-wheeled and four-wheeled hangers are available to cover a wide range of applications.

Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
65kg/143lbs	35mm/1 <sup>3</sup> / <sub>8</sub> "	44mm/1 <sup>3</sup> / <sub>4</sub> "	900mm/35 <sup>7</sup> / <sub>16</sub> "	2700mm/106"



Picture shows interior system.

# COMMERCIAL HARDWARE



## FLEXIROL INTERIOR CENTREFOLD

FOLDING	INTERIOR	WOOD
125Kg 275lbs		

Specifically designed for commercial applications requiring heavyweight, top hung, central folding partition doors.

- Doors are centrally hung and can fold to one or both sides
- Any access door should be hinged separately to the jamb.

Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
125kg/275lbs	43mm/1 <sup>11</sup> / <sub>16</sub> "	57mm/2 <sup>1</sup> / <sub>4</sub> "	1200mm/47"	4500mm/177"



## FLEXIROL ENDFOLD

FOLDING	INTERIOR	EXTERIOR	WOOD
METAL			125Kg 275lbs

Specifically designed for commercial applications requiring heavyweight, top hung, endfolding partition doors.

- Systems available for both interior and exterior timber doors plus external aluminium doors
- Leaves can be hung to the left or the right of an opening or hung as floating units.

Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
125kg/275lbs	43mm/1 <sup>11</sup> / <sub>16</sub> "	57mm/2 <sup>1</sup> / <sub>4</sub> "	1200mm/47"	4500mm/177"

Picture shows exterior system.



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## FLEXIROL MULTIDIRECTIONAL 90°

A system designed for lightweight panels requiring 90° flexible movement options, in both residential and commercial environments.

- System can be used for glass, timber and aluminium doors
- An ideal system for shop fronts or internal room partitions
- Stacking formation allows panels to be stored clear of the opening
- For maximum door measurements, please contact P C Henderson.

MULTI	INTERIOR	GLASS
WOOD	ALUMINIUM	100kg 220lbs

Picture shows glass application.

Maximum Door Weight (kg/lbs)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
100kg/220lbs	VARIABLE	VARIABLE



## FLEXIROL MULTIDIRECTIONAL 135°

A system designed for heavy panels up to 500kg, for use in residential and commercial environments where 135° flexible movement is required.

- System can be used for glass, timber and aluminium doors
- Ideal for hotels, conference centres, showrooms, shop fronts or internal room partitions
- Stacking formation allows the doors to be stored clear of the opening
- For maximum door measurements, please contact P C Henderson.

MULTI	INTERIOR	GLASS
WOOD	ALUMINIUM	500kg 1102lbs

Picture shows timber application.

Maximum Door Weight (kg/lbs)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
500kg/1102lbs	VARIABLE	VARIABLE



## TRAVERSE MULTIDIRECTIONAL 135°

Traverse is a system that acts as a mobile partition, using suspended panels without the need for a floor guide.

- Suitable for both internal and external toughened glass partitions
- Panels can be stored so that they are out of sight or in a concealed location
- For maximum door measurements, please contact P C Henderson
- Systems available for glass thickness of 10 or 12mm.

MULTI	INTERIOR	EXTERIOR
GLASS		250kg 551lbs

Maximum Door Weight (kg/lbs)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
250kg/551lbs	VARIABLE	VARIABLE

# GLASS DOOR HARDWARE



## HUSKY GLASS 50 & 75

A tailor-made solution for lightweight glass applications, such as office doors and small partitions.

- Can be face fixed or soffit fixed without compromising on the function of the system
- A clip-on fascia is available to provide a high quality aesthetic finish on soffit fixed applications
- Two systems available Husky Glass 50 and Husky Glass 75.

SLIDING	INTERIOR	GLASS
	50Kg 110lbs	75Kg 165lbs

Maximum Door Weight (kg/lbs)	Glass Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
50kg/110lbs	8mm / 5/16"	1250mm / 49 1/4"	2400mm / 94 1/2"
50kg/110lbs	10mm / 3/8"	1250mm / 49 1/4"	2400mm / 94 1/2"
50kg/110lbs	12mm / 1/2"	1250mm / 49 1/4"	2400mm / 94 1/2"
75kg/165lbs	8mm / 5/16"	1250mm / 49 1/4"	2400mm / 94 1/2"
75kg/165lbs	10mm / 3/8"	1250mm / 49 1/4"	2400mm / 94 1/2"
75kg/165lbs	12mm / 1/2"	1250mm / 49 1/4"	2400mm / 94 1/2"



## TELESLIDE

A revolutionary telescopic sliding system for single glass doors. Especially designed for installation on corner walls.

- Allows the hardware to be installed at the top of the wall and installed on a corner wall
- Designed for wall fixed single doors
- Available in left and right sliding applications
- Available in a brushed anodised aluminium finish.

SLIDING	INTERIOR	GLASS
		60Kg 132lbs

Maximum Door Weight (kg/lbs)	Glass Thickness Width (mm/in.)	Maximum Door Height (mm/in.)
60kg/132lbs	8mm / 5/16"	950mm / 37 1/3"
60kg/132lbs	10mm / 3/8"	950mm / 37 1/3"
60kg/132lbs	12mm / 1/2"	950mm / 37 1/3"



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## VELARO

SLIDING INTERIOR GLASS

80Kg  
176lbs

A compact glass clamp system that creates a modern and minimalistic finish, with all the working parts concealed within the track.

- Bottom guide with brushed stainless steel finish and built in polymer rollers to ensure a quiet and smooth operation
- Concealed fascia fix panel with integrated combination profile option
- Soft stop version available as an additional extra
- Modern design unites functionality with aesthetics.

Maximum Door Weight (kg/lbs)	Glass Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
80kg/176lbs	8mm / $\frac{5}{16}$ "	1200mm / 47 $\frac{1}{4}$ "	2500mm / 98 $\frac{7}{16}$ "
80kg/176lbs	10mm / $\frac{3}{8}$ "	1200mm / 47 $\frac{1}{4}$ "	2500mm / 98 $\frac{7}{16}$ "
80kg/176lbs	12mm / $\frac{1}{2}$ "	1200mm / 47 $\frac{1}{4}$ "	2500mm / 98 $\frac{7}{16}$ "



## SIENNA

SLIDING INTERIOR GLASS

120Kg  
264lbs

This elegant frameless system creates a minimalistic look thanks to the modern design of the stainless steel hangers.

- Rollers are engineered to run effortlessly along a brushed stainless steel tubular track
- Designed for use with applications requiring glass door to glass wall or glass door to solid wall fixings.

Maximum Door Weight (kg/lbs)	Glass Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
120kg/264lbs	8mm / $\frac{5}{16}$ "	1400mm / 55 $\frac{1}{8}$ "	2500mm / 98 $\frac{7}{16}$ "
120kg/264lbs	10mm / $\frac{3}{8}$ "	1400mm / 55 $\frac{1}{8}$ "	2500mm / 98 $\frac{7}{16}$ "
120kg/264lbs	12mm / $\frac{1}{2}$ "	1400mm / 55 $\frac{1}{8}$ "	2500mm / 98 $\frac{7}{16}$ "

# GLASS DOOR HARDWARE



## PACER

The Pacer glass system can accommodate both sliding and fixed door panels, making it ideal for interior dividers.

- Suitable for use in offices and shops as well as more modern applications in new developments
- Optional aluminium clip-on fascia available for a high quality attractive finish.

SLIDING	INTERIOR	GLASS
	130Kg 286lbs	180Kg 396lbs

Maximum Door Weight (kg/lbs)	Glass Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
130kg/286lbs	8mm / 5/16"	3000mm/118"	3000mm/118"
130kg/286lbs	10mm / 3/8"	3000mm/118"	3000mm/118"
130kg/286lbs	12mm / 1/2"	3000mm/118"	3000mm/118"
180kg/396lbs	8mm / 5/16"	3000mm/118"	3000mm/118"
180kg/396lbs	10mm / 3/8"	3000mm/118"	3000mm/118"
180kg/396lbs	12mm / 1/2"	3000mm/118"	3000mm/118"



## TRAVERSE SLIDING

Traverse Sliding is a unique straight sliding system for glass doors made from toughened glass and weighing up to 250kg/551lb.

- Suitable for both internal and external applications
- A versatile system for hotels, offices, shop fronts and showrooms that require both high performance and attractive finish
- Versatile system that offers both face fixed and soffit fixed installations.

SLIDING	INTERIOR	EXTERIOR
	GLASS	250Kg 551lbs

Maximum Door Weight (kg/lbs)	Glass Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
250kg/551lbs	10mm / 3/8"	1000mm/39 3/8"	3000mm/118 1/8"
250kg/551lbs	12mm / 1/2"	1000mm/39 3/8"	3000mm/118 1/8"

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 Technical information available online [www.pchenderson.com](http://www.pchenderson.com)



## FLEXIROL SLIDING

Unique system suited to large doors that require high performance as well as an attractive finish.

- Toughened glass required for heavy applications
- An ideal product for hotels, offices, conference centres, shop fronts and showrooms.

SLIDING

INTERIOR

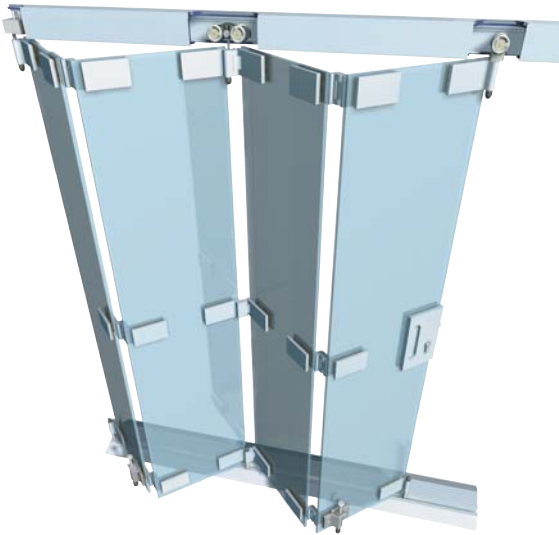
GLASS

500kg  
1102lbs

Maximum Door Weight (kg/lbs)	Glass Thickness (mm/in.)	Maximum Door Height (mm/in.)
500kg/1102lbs	10mm/3/8"	4000mm/157"
500kg/1102lbs	12mm/1/2"	4000mm/157"



## GLASS DOOR HARDWARE



### EASYFOLD

Designed for interior applications using top hung glass doors. The Panels are connected using a system of glass hinges.

- Offers four-wheeled end hangers with a single hinge and four-wheeled intermediate hanger with double hinge to cover a wide range of applications
- Components are available in four stylish finishes - white powder coat, polished anodised, silver anodised and black anodised.

FOLDING	INTERIOR	EXTERIOR
GLASS	45Kg 99lbs	

Maximum Door Weight (kg/lbs)	Glass Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
45kg/99lbs	8mm / $\frac{5}{16}$ "	750mm / 29 $\frac{1}{2}$ "	2400mm / 94 $\frac{1}{2}$ "
45kg/99lbs	10mm / $\frac{3}{8}$ "	750mm / 29 $\frac{1}{2}$ "	2400mm / 94 $\frac{1}{2}$ "



### TRAVERSE FOLDING

Traverse folding is suitable for both interior and exterior applications requiring end folding or centre folding. The system is capable of taking toughened glass panels weighing up to 60kg/132lb.

- Full width aluminium profiles are available in a variety of finishes
- Available accessories include a selection of D handles in various finishes and glass door locks/receivers.

FOLDING	INTERIOR	EXTERIOR
GLASS	60Kg 132lbs	

Maximum Door Weight (kg/lbs)	Glass Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
60kg/132lbs	10mm / $\frac{3}{8}$ "	900mm / 35 $\frac{7}{16}$ "	2500mm / 98 $\frac{7}{16}$ "
60kg/132lbs	12mm / $\frac{1}{2}$ "	900mm / 35 $\frac{7}{16}$ "	2500mm / 98 $\frac{7}{16}$ "



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## FLEXIROL FOLDING

Flexirol Folding is a bespoke product designed for folding heavy, toughened glass panels, in both interior and exterior applications.

- Panels can either end fold or centre fold depending on the position of the hanger, within the full width profile
- Profiles are available in a variety of finishes and made to measure with the necessary routing completed.

FOLDING	INTERIOR	EXTERIOR
GLASS	125Kg 275lbs	

Maximum Door Weight (kg/lbs)	Glass Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
125kg/275lbs	10mm / 3/8"	900mm/35 7/16"	2500mm/98 7/16"
125kg/275lbs	12mm / 1/2"	900mm/35 7/16"	2500mm/98 7/16"



# INDUSTRIAL HARDWARE



## STRAIGHT SLIDING 280-307 (wood doors)

A wide range of top hung systems for the easy movement of anything from light commercial doors up to very heavy and large industrial applications.

- To accommodate different building designs, doors can slide to one or both sides
- Suitable to cover any width of opening, any number of doors can be used on single or multiple lines of track.

SLIDING	INTERIOR	EXTERIOR
	WOOD	Up to 2000Kg 4409lbs



Specification	Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Height (mm/in.)
280	100kg/220lbs	20mm/1"	50mm/2"	2400mm/94½"
290	200kg/440lbs	35mm/1⅜"	48mm/2"	3000mm/118"
301	400kg/881lbs	43mm/1¾"	57mm/2¼"	3600mm/141¾"
301H	450kg/992lbs	43mm/1¾"	57mm/2¼"	4200mm/165⅝"
305	700kg/1543lbs	43mm/1¾"	57mm/2¼"	4800mm/189"
307	2000kg/4409lbs	60mm/2⅝"	70mm/2¾"	6000mm/236¼"



## STRAIGHT SLIDING 280-307 (metal doors)

A wide range of top hung systems for the easy movement of anything from light commercial doors up to very heavy and large industrial applications.

- To accommodate different building designs, doors can slide to one or both sides
- Suitable to cover any width of opening, any number of doors can be used on single or multiple lines of track.

SLIDING	INTERIOR	EXTERIOR
	METAL	Up to 2000Kg 4409lbs



Specification	Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Height (mm/in.)
280	100kg/220lbs	20mm/1"	50mm/2"	2400mm/94½"
290	200kg/440lbs	35mm/1⅜"	48mm/2"	3000mm/118"
301	400kg/881lbs	43mm/1¾"	57mm/2¼"	3600mm/141¾"
301H	450kg/992lbs	43mm/1¾"	57mm/2¼"	4200mm/165⅝"
305	700kg/1543lbs	43mm/1¾"	57mm/2¼"	4800mm/189"
307	2000kg/4409lbs	60mm/2⅝"	70mm/2¾"	6000mm/236¼"

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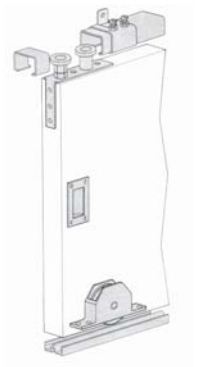


## MANSION AND MAJESTIC

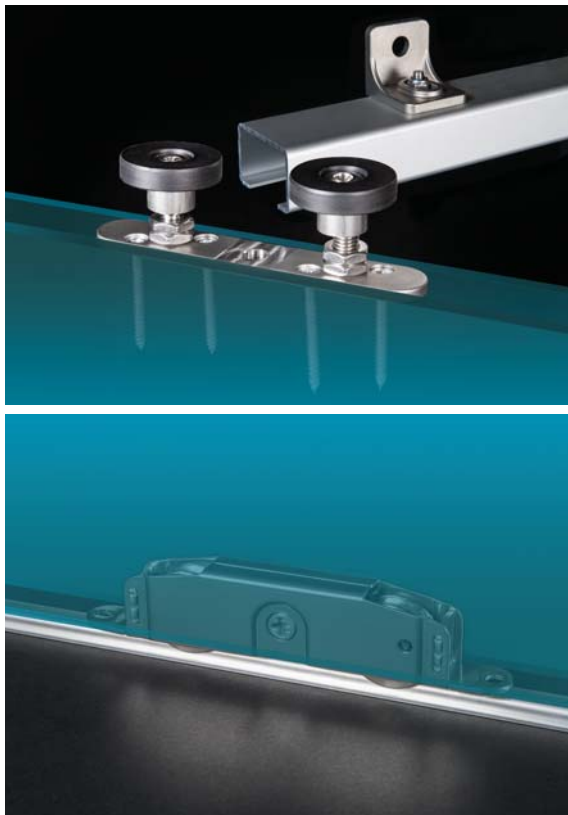
Mansion and Majestic high quality bottom roller gear and fittings are ideally suited to high class joinery installations.

- Designed for heavy straight sliding partitions with door weight carried on the floor
- Suitable for applications where the supporting structure or lintel is insufficient for the weight of the door.

SLIDING	INTERIOR	EXTERIOR
WOOD	Up to 270Kg 595lbs	



Specification	Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Height (mm/in.)
Mansion 55	55kg/121lbs	30mm/1 <sup>1</sup> / <sub>8</sub> "	57mm/2 <sup>1</sup> / <sub>4</sub> "	2600mm/102 <sup>3</sup> / <sub>8</sub> "
Mansion 170	170kg/374lbs	30mm/1 <sup>3</sup> / <sub>8</sub> "	57mm/2 <sup>1</sup> / <sub>4</sub> "	2600mm/102 <sup>3</sup> / <sub>8</sub> "
Mansion 270	270kg/595lbs	44mm/1 <sup>3</sup> / <sub>4</sub> "	57mm/2 <sup>1</sup> / <sub>4</sub> "	3300mm/130"



## IMPERIAL

Imperial is ideal for straight sliding room partitions as well as fully glazed patio doors or flush panelled doors. Designed for applications where the supporting lintel is not strong enough to hold a top hung system.

- Can be used with multiple lines of track
- Door can slide to one or both sides
- With the bottom rolling system the door weight is carried on the floor permitting the use of a light overhead structure
- Doors must be constructed with bottom rails of at least 150mm depth to accommodate the concealed, mortised bottom rollers.

SLIDING	INTERIOR	EXTERIOR
WOOD	200Kg 440lbs	



Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Height (mm/in.)
200kg/440lbs	40mm/1 <sup>5</sup> / <sub>8</sub> "	-	3000mm/118"

# INDUSTRIAL HARDWARE



## STERLING (wood doors)

Sterling is a bottom rolling system ideal for a range of commercial and industrial applications, especially when the supporting structure of the lintel is insufficient to support the weight of the door.

- For optimum operation, the door width should not be less than half the door height
- Doors may be partially or fully glazed, or should be framed, ledged and braced for industrial applications.

SLIDING	INTERIOR	EXTERIOR
	WOOD	Up to 2000Kg 4409lbs



Specification	Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Height (mm/in.)
225	225kg/496lbs	44mm/1¾"	50mm/2"	3300mm/130"
350	350kg/771lbs	44mm/1¾"	54mm/2⅛"	4000mm/157½"
800	800kg/1763lbs	54mm/2⅞"	63mm/2½"	5200mm/204¾"
2000	2000kg/4409lbs	Contact P C Henderson	Contact P C Henderson	7500mm/295¼"



## STERLING (metal doors)

A selection of bottom roller, straight sliding systems that have been designed to cover a wide range of domestic, commercial and industrial applications.

- Top guide channel may be soffit fixed or face fixed
- For ease of operation, it is recommended that the door width should be at least 50% of the door height.

SLIDING	INTERIOR	EXTERIOR
	METAL	Up to 8000Kg 17636lbs



Specification	Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Height (mm/in.)
225	225kg/496lbs	44mm/1¾"	50mm/2"	3300mm/130"
350	350kg/771lbs	44mm/1¾"	54mm/2⅛"	4000mm/157½"
800	800kg/1763lbs	54mm/2⅞"	63mm/2½"	5200mm/204¾"
2000	2000kg/4409lbs	58mm/2¼"	70mm/2¾"	7500mm/295¼"
3600	3600kg/7936lbs	152mm/6"	Contact P C Henderson	12500mm/492⅛"
8000	8000kg/17636lbs	152mm/6"	Contact P C Henderson	20000mm/787⅞"



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 Technical information available online [www.pchenderson.com](http://www.pchenderson.com)

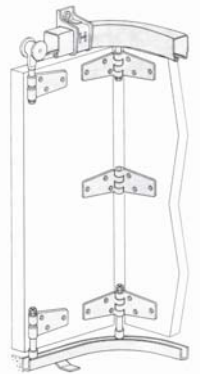


## TANGENT - ROUND THE CORNER

Robust, top hung door gear for round the corner residential, commercial or light industrial doors. Four systems are available to suit a wide variety of applications.

- Suitable where a bunched unit of parked leaves would be impractical
- Deluxe fittings available in polished or satin anodised aluminium finishes
- Only 3 to 5 leaves should be hinged in 1 unit, but any number of units may be used to suit leaves from a minimum of 711mm to a maximum of 900mm
- 4 systems available to suit door leaves up to 80kg.

SLIDING	EXTERIOR	WOOD
METAL	Up to 80Kg 176lbs	



Specification	Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
290	35kg/77lbs	35mm/1 3/8"	50mm/2"	900mm/35 7/16"	2400mm/94 1/2"
301	55kg/121lbs	45mm/1 3/4"	55mm/2 1/8"	900mm/35 7/16"	3300mm/130"
301H	70kg/154lbs	45mm/1 3/4"	55mm/2 1/8"	900mm/35 7/16"	3600mm/141 3/4"
305	80kg/176lbs	45mm/1 3/4"	55mm/2 1/8"	900mm/35 7/16"	4500mm/177"

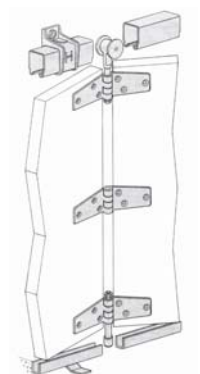


## TANGENT - EXTERNAL FOLDING

A comprehensive range of seven systems for residential, commercial or industrial folding partitions where weather proofing to the head and sill of the opening may be required.

- To accommodate different building designs, leaves can fold to one or both sides of the opening and can be stacked behind a reveal if required
- To cover any width of opening, any number of folding doors can be used
- Deluxe fittings available in polished or satin anodised aluminium finishes
- 4 systems available to suit door leaves up to 80kg.

FOLDING	EXTERIOR	WOOD
METAL	Up to 80Kg 176lbs	



Specification	Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
290 S&D	35kg/77lbs	35mm/1 3/8"	50mm/2"	900mm/35 7/16"	2400mm/94 1/2"
301 S&D	55kg/121lbs	45mm/1 3/4"	55mm/2 1/8"	900mm/35 7/16"	3300mm/130"
301HS & HD	70kg/154lbs	45mm/1 3/4"	55mm/2 1/8"	900mm/35 7/16"	3600mm/141 3/4"
305 S	80kg/176lbs	45mm/1 3/4"	55mm/2 1/8"	900mm/35 7/16"	4500mm/177"

# INDUSTRIAL HARDWARE

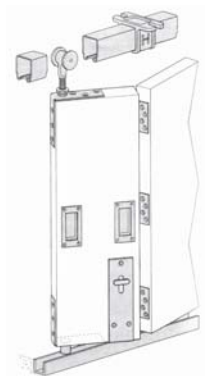


## COUNCIL - ENDFOLD PARTITION

For internal, top hung folding timber doors hinged to post or floating. Four systems are available to cover a wide variety of needs, ranging from light residential to heavier commercial applications.

- To accommodate different building designs, leaves can fold to one or both sides of the opening and can be stacked behind a reveal if required
- To cover any width of opening, any number of folding doors can be used
- Doors can be hinged, floating or anchored by pivots.

FOLDING INTERIOR WOOD  
Up to 80Kg 176lbs



Specification	Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
290	35kg/77lbs	35mm/1⅜"	44mm/1¾"	900mm/35⅞"	2700mm/106"
301	55kg/121lbs	44mm/1¾"	57mm/2¼"	900mm/35⅞"	3300mm/130"
301H	70kg/154lbs	44mm/1¾"	57mm/2¼"	900mm/35⅞"	3600mm/141½"
305	80kg/176lbs	44mm/1¾"	57mm/2¼"	900mm/35⅞"	4500mm/177"



## COUNCIL - CENTREFOLD PARTITION

A range of systems for top hung timber folding partitions, suitable for use on both light and heavier residential and commercial applications.

- Leaves are hung centrally under the lintel and can fold to one or both sides of the opening
- To cover any width of opening, any number of folding units can be used
- Any access door should be hinged separately to the jamb.

FOLDING INTERIOR WOOD  
Up to 80Kg 176lbs



Specification	Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
290	35kg/77lbs	35mm/1⅜"	44mm/1¾"	1000mm/39⅜"	2700mm/106"
301	55kg/121lbs	44mm/1¾"	57mm/2¼"	1000mm/39⅜"	3300mm/130"
301H	70kg/154lbs	44mm/1¾"	57mm/2¼"	1000mm/39⅜"	3600mm/141¾"
305	80kg/176lbs	44mm/1¾"	57mm/2¼"	1000mm/39⅜"	4500mm/177"

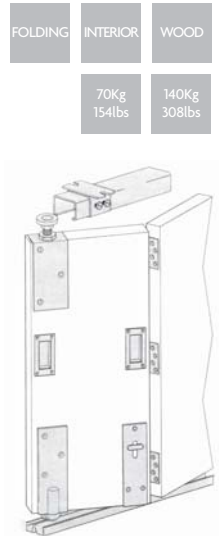
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 International Sales Team Tel: +44 (0) 191 377 7346 e-mail: [international@pchenderson.com](mailto:international@pchenderson.com)  
 Technical information available online [www.pchenderson.com](http://www.pchenderson.com)



## COLLEGE - ENDFOLD PARTITION

Suitable for end folding partitions in commercial or public buildings where weight has to be taken at floor level.

- Leaves can fold to one or both sides of the opening and can be stacked behind a reveal if required
- Ideally suited to high class joinery installations and all visible parts are finished in satin anodised aluminium
- Any access door should be hinged separately to the jamb.



FOLDING	INTERIOR	WOOD
70Kg 154lbs	140Kg 308lbs	

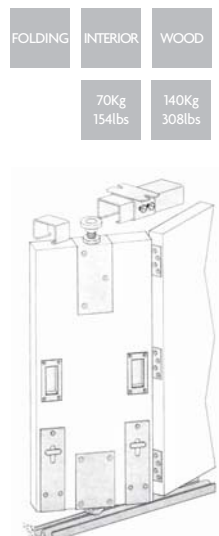
Specification	Maximum Door Weight (kg/lbs)	Standard Door Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
70	70kg/154lbs	44mm / 1 3/4"	900mm / 35 7/16"	3600mm / 141 3/8"
140	140kg/308lbs	54mm / 2 1/8"	900mm / 35 7/16"	5500mm / 216 1/2"



## COLLEGE - CENTREFOLD PARTITION

High quality bottom roller gear and fittings for centre folding wood partition doors, available in two systems.

- Leaves can fold to one or both sides of the opening and can be stacked behind a reveal if required
- Ideally suited to high class joinery installations and all visible parts are finished in satin anodised aluminium
- Any access door should be hinged separately to the jamb.



FOLDING	INTERIOR	WOOD
70Kg 154lbs	140Kg 308lbs	

Specification	Maximum Door Weight (kg/lbs)	Standard Door Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
70	70kg/154lbs	44mm / 1 3/4"	900mm / 35 7/16"	3600mm / 141 3/8"
140	140kg/308lbs	54mm / 2 1/8"	900mm / 35 7/16"	5500mm / 216 1/2"

# INDUSTRIAL HARDWARE



## ARCADE - END & CENTRE FOLDING

High quality bottom roller gear and fittings for end and centre folding aluminium section glazed doors.

- Designed for retail and display applications
- For doors constructed with standard aluminium section rails and stiles and glazed panels
- Any access door should be hung separately to the jamb.

FOLDING	INTERIOR
ALUMINIUM	70Kg 154lbs



Specification	Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
Endfold A70	70kg/154lbs	45mm/1¾"	47mm/1¾"	900mm/35⅞"	3600mm/141¾"
Centrefold A70	70kg/154lbs	45mm/1¾"	47mm/1¾"	1000mm/39⅜"	3600mm/141¾"

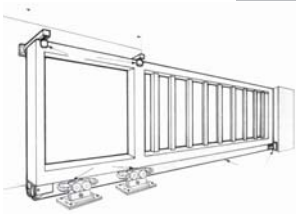


## TITAN

Heavy duty gear for sliding cantilever metal gates used in industrial and commercial applications, such as traffic control, security and where a road surface is uneven, e.g. railway lines.

- Cantilever gates leave roadways free of channels, guide rails or other obstructions
- Rollers are located within the track for maximum weather protection.

SLIDING	EXTERIOR	METAL
1000Kg 2204lbs		



Maximum Gate Width (m/in.)	Maximum Gate Weight (kg/lbs)	Minimum Gate Thickness (mm/in.)	Maximum Gate Thickness (mm/in.)
10m/393¾"	1000kg/2204lbs	80mm/3⅛"	200mm/7⅞"



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 Technical information available online [www.pchenderson.com](http://www.pchenderson.com)



## VERSAFRAME

A choice of two guide systems - wall mounted and bottom channel - for sturdy sliding doors used in agricultural and industrial applications. Steel frame sections are supplied in kit form for on-site construction of metal doors which can be clad in the customer's choice of cladding.

- Designed for use with 301/301H track, hangers and brackets
- Wall mounted guide system is ideal for farm doors or dirty industrial applications as no floor channel is required.

SLIDING	EXTERIOR	METAL
360Kg 793lbs		

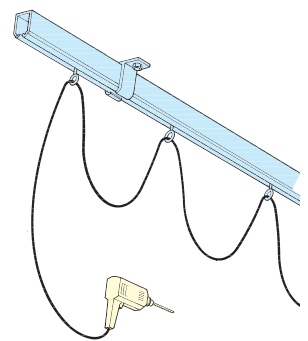
Maximum Door Weight (kg/lbs)	Maximum Door Width (mm/in.)	Maximum Door Height (mm/in.)
360kg/793lbs	5000mm/196 <sup>3</sup> / <sub>4</sub> "	5000mm/196 <sup>3</sup> / <sub>4</sub> "



## OVERHEAD CARRYING SYSTEM

A light overhead track for industrial curtains or cables required for travelling cranes, gantries or moving machinery.

- For top hung straight and curved track systems
- Track will also carry small hand machinery, leaving working areas clear.



SLIDING	5Kg 11lbs	20Kg 44lbs
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Specification	Maximum Hanger Capacity (kg/lbs)
280	5kg/11lbs
290	20kg/44lbs

# STAINLESS STEEL HARDWARE

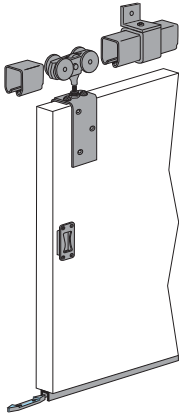


## 280, 290 & 301

A tailor-made solution for light to heavyweight sliding doors exposed to high levels of corrosion.

- Commonly used in chemical factories, oil rigs, abattoirs, cold storage food processing plants and areas exposed to salt water
- Perfect for areas where a high level of hygiene is essential
- Made from 316 stainless steel
- Brackets available for soffit or face fixed applications.

SLIDING	INTERIOR	EXTERIOR
WOOD	METAL	Up to 270Kg 595lbs



Specification	Maximum Door Weight (kg/lbs)	Minimum Door Thickness (mm/in.)	Maximum Door Thickness (mm/in.)	Maximum Door Height (mm/in.)
280	100kg/220lbs	20mm/3/4"	50mm/15/16"	2400mm/94 1/2"
290	150kg/330lbs	35mm/1 3/8"	48mm/1 3/4"	3000mm/118 3/8"
301	270kg/595lbs	43mm/1 11/16"	57mm/2 1/4"	3600mm/141 3/4"





# HENDERSON

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[www.henderson.nl](http://www.henderson.nl)



January 2014





# Residential Sliding Hardware

For Sliding & Folding Doors

*Design in motion*

June 2015

HENDERSON





# Henderson

## Design in Motion

When it comes to the design and manufacture of sliding and folding door hardware systems, we're the global leader. For over 90 years, we've been creating the highest quality products backed by the same high standards of service, and now the Henderson name is synonymous with UK manufacturing expertise.

We're proud to remain based in Bowburn in County Durham, however we've expanded the business to Ireland, the Netherlands and China. We also operate one of the world's most advanced manufacturing facilities where we consistently achieve strict ISO 9001 quality standards, and our ISO 14001 accreditation demonstrates our commitment to our environmental responsibilities.

And with Investor in People status you can rest assured that our people, our products and our service are amongst the best in the world.

### Why choose us?

What makes Henderson different is that we back up our commitment to high quality manufacturing with a range of world-class service solutions that are just as innovative as our products.

For example, our unique online **Expert Specification software** has been designed in-house by our research and development team to provide a rapid, no-obligation quote and a full specification for any sliding or folding door gear project. You can use Expert 24 hours a day at [www.pchenderson.com/expert](http://www.pchenderson.com/expert)

Our **Technical Sales Team** are on hand to offer professional and knowledgeable advice worldwide on virtually any aspect of our range, from selecting the right product through to installation, maintenance and spares.

### Our product range

Our sliding and folding door hardware systems are perfect for saving space, maximising door opening widths, adjusting room sizes and increasing safety, and you'll find them in use right across the world.

Applications range from wardrobe doors and room dividers in homes, through to display panels and partitions in shops and other commercial environments, and finally to sliding gates and fire doors in large scale industrial and agricultural settings.

In addition, we also offer a huge range of accessories, kits and spare parts, which means we can make a real difference to virtually any opening or doorway.

Put simply, wherever a sliding door can work, we offer a solution.



What's more, we will soon be able to showcase installation videos for our full range of residential products, making installing our systems even easier. Visit [www.pchenderson.com](http://www.pchenderson.com) and watch out for updates.



## Choosing the right sliding door hardware for your home

Selecting the best system can be complicated. That's why we've created this useful guide to help you. Simply answer the following questions to find the right system for you. If you do need help and advice, please call our technical sales team.

### 1 How are your doors going to be used?

Sliding and folding doors can be used across a variety of applications including wardrobes, cupboards, cabinets and room dividers.

### 2 Are your doors sliding or folding?

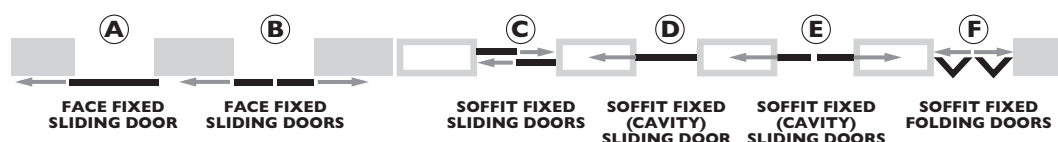
Sliding systems are used with 1, 2 or 3 separate doors. Folding systems are used with 2 or 4 hinged doors.

### 3 How are your doors to be fixed?

There are two fixing methods; face fixed and soffit fixed.

**Face fixed systems (A&B)** are for sliding doors and the track is attached to the side of the wall facing the room. You will need the necessary wall space to park the door(s).

**Soffit fixed systems** are for either sliding or folding doors and the track is attached to the lintel. Track can be fitted within the opening width (C - sliding doors or F - folding doors) or extend into the wall cavity (D & E - sliding only).



### 4 What length of track do I need?

With the face fixing method, double the width of the opening to allow for the doors to be pulled back in front of the wall (A or B).

With the soffit fixing method, it is either the width of the opening (C or F) or double the width of the opening for the doors to go into the wall cavity (D or E).

### 5 What size doors do I need?

With the face fixing method, the width and height of the door need to be slightly bigger than the opening itself (to prevent gaps).

With the soffit fixing method, height - the width and height of the door need to be exactly the same of that of the opening.

The thickness of the door is depended on the selected system (see product pages for details).

### 6 What materials are your doors made from?

There are systems for solid wood, wood framed and metal framed doors within this brochure. For solid glass doors, please download the glass brochure from our website.

### 7 How heavy are your doors?

Establish the weight of each single door.

Using the answers from questions 1-7, use the System Specifier (opposite) to identify the best system for your needs and then place your order. To find your nearest stockist, call our sales team or visit [www.pchenderson.com](http://www.pchenderson.com)

## SYSTEM SPECIFIER

NAME	DOOR TYPES					FIXING		MAX. DOOR WEIGHT	PAGE No.
	SLIDING			FOLDING		FACE	SOFFIT		
	WARDROBE & CUPBOARD (WOOD)	CUPBOARD (GLASS)	ROOM DIVIDER (WOOD)	WARDROBE & CUPBOARD (WOOD)	ROOM DIVIDER (WOOD)				
SLIPPER	■						Ⓒ Ⓓ or Ⓔ	9 Kg	6
BIFOLD				■			Ⓕ	14 Kg	7
CELLO	■							25 Kg	8
LORETTO	■							23 Kg	9
ZENITH		■						25 Kg	10
SENATOR			■			Ⓐ or Ⓑ	Ⓒ Ⓓ or Ⓔ	30 Kg	11
DOUBLE TOP	■						Ⓒ Ⓓ or Ⓔ	45 Kg	12
PHANTOM			■			Ⓐ or Ⓑ	Ⓒ Ⓓ or Ⓔ	45 Kg	13
SINGLE TOP	■					Ⓐ or Ⓑ	Ⓒ Ⓓ or Ⓔ	45 Kg	14
POCKET DOOR			■				Ⓓ or Ⓕ	60 Kg	15
MARATHON 55			■			Ⓐ or Ⓑ	Ⓒ Ⓓ or Ⓔ	55 Kg	16-17
MARATHON 90			■			Ⓐ or Ⓑ	Ⓒ Ⓓ or Ⓔ	90 Kg	16-17
HUSKY FOLDING 25				■	■		Ⓕ	25 Kg	18-19
HUSKY FOLDING 40				■	■		Ⓕ	40 Kg	18-19
HUSKY SLIDING 50	■		■			Ⓐ or Ⓑ	Ⓒ Ⓓ or Ⓔ	50 Kg	20-21
HUSKY SLIDING 100	■		■			Ⓐ or Ⓑ	Ⓒ Ⓓ or Ⓔ	100 Kg	20-21
HUSKY TELESCOPIC			■				Ⓒ or Ⓓ	80 Kg	22
RUSTIC 80	■		■			Ⓐ or Ⓑ		80 Kg	23



## SLIPPER

SLIDING

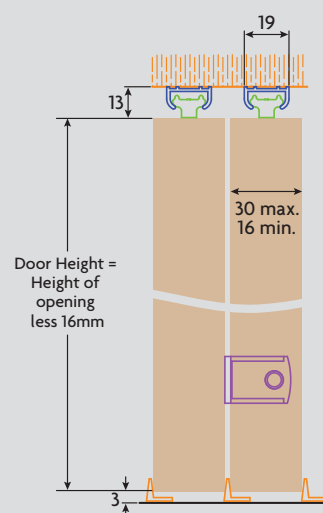
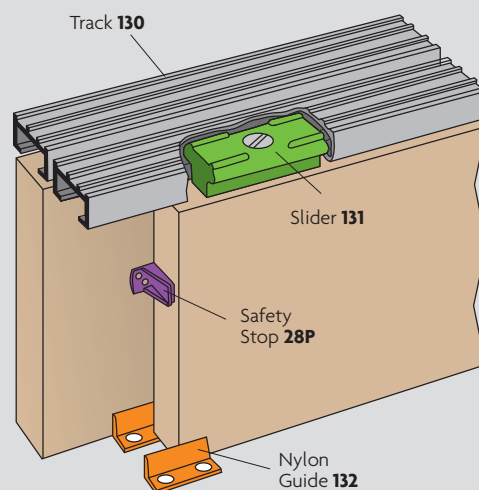
WOOD

9kg



Doors not supplied by P C Henderson

The Slipper is ideal for all types of fitted bathroom and kitchen furniture, such as serving hatches, cupboards and other items made from lightweight wood or chipboard. It supports a maximum door weight of 9kg, a maximum door width of 900mm and door thicknesses of between 16-30mm. Three kits are available giving a maximum opening width of 1800mm, and the unit can easily be top-fixed. The nylon slides and aluminium track combine quiet and effortless operation, attractive looks, and simple-to-remove doors for cleaning and decorating.

**STANDARD DOOR KIT**

For 2 Doors:

- Track x2 (**130**)
- Slider x4 (**131**)
- Stop x1 (**28P**)
- Flushpull x2 (**26P**)
- Nylon Guide x4 (**132**)

**OPTIONAL EXTRAS**

- 1 Door Fittings Kit

Order Code: **SS1****STANDARD KIT ORDER CODES**

Order Code	No. of Doors	Track Length	Maximum Door Size	Max Door Weight	Door System
<b>SS4</b>	2	1200mm	1800 x 900 x 30mm	9kg	■ — ■
<b>SS5</b>	2	1500mm	1800 x 900 x 30mm	9kg	■ — ■
<b>SS6</b>	2	1800mm	1800 x 900 x 30mm	9kg	■ — ■

## BIFOLD

FOLDING

WOOD

14kg



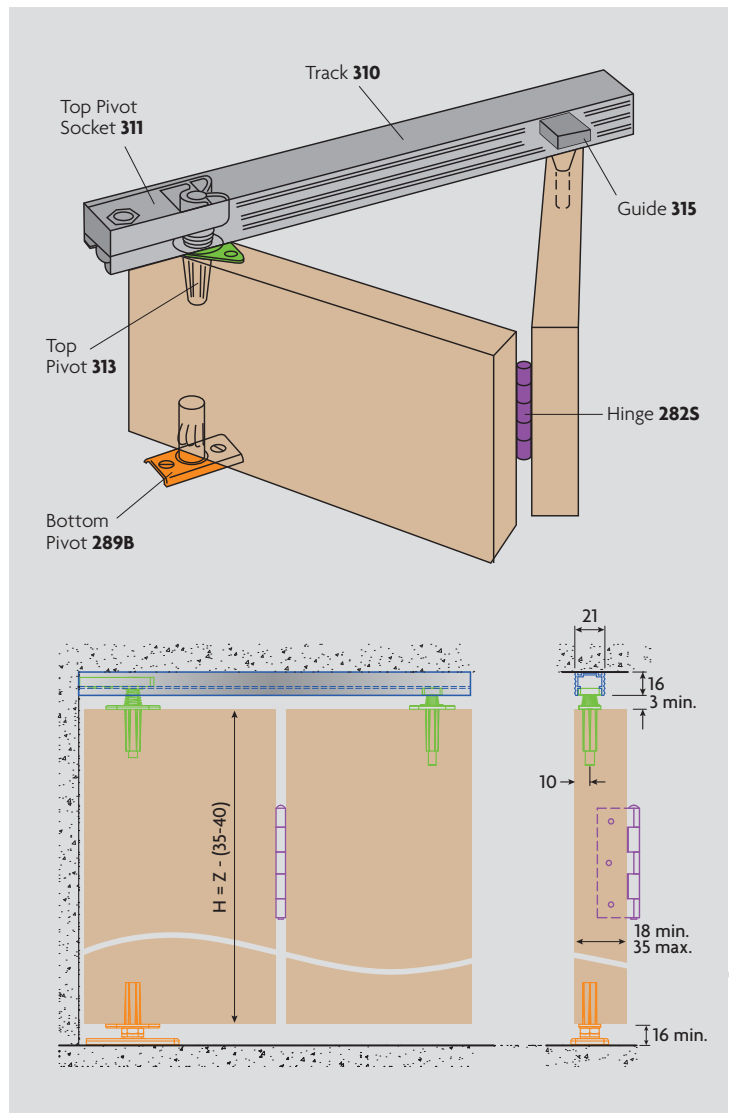
Doors not supplied by P C Henderson

The Bifold range offers a stable, silent and smooth-opening folding systems for wardrobe doors that can complement any bedroom. Designed for timber, timber framed or composite doors, and also suitable for jambless openings, the Bifold can support a maximum leaf weight of 14kg and door thicknesses of between 18-35mm. A range of kits are available up to a maximum opening of 2134mm. Kits contain an aluminium top track with fittings and spring loaded guides which complete this low maintenance system.

**STANDARD DOOR KIT**

For 2 or 4 Doors:

- Track - x1 for 2 Doors, x2 for 4 Doors (**310**)
- Top Pivot Socket - x1 for 2 Doors, x2 for 4 Doors (**311**)
- Top Pivot - x1 for 2 Doors, x2 for 4 Doors (**313**)
- Guide - x1 for 2 Doors, x2 for 4 Doors (**315**)
- Hinge - x3 for 2 Doors, x6 for 4 Doors (**282S**)
- Adjustable Bottom Pivot Assembly - x1 for 2 Doors, x2 for 4 Doors (**289B**)

**OPTIONAL EXTRAS**

- 2 Door Fittings Kit

Order Code: **BF2**

**STANDARD KIT ORDER CODES**

Order Code	No. of Doors	Track Length	Maximum Door Size	Max Door Weight	Door System
<b>B10/2</b>	2	1067mm	2400 x 530 x 35mm	14kg	■ ^
<b>B15/4</b>	4	1524mm	2400 x 530 x 35mm	14kg	■ ^ ^ ■
<b>B20/4</b>	4	2134mm	2400 x 530 x 35mm	14kg	■ ^ ^ ■

## CELLO

SLIDING

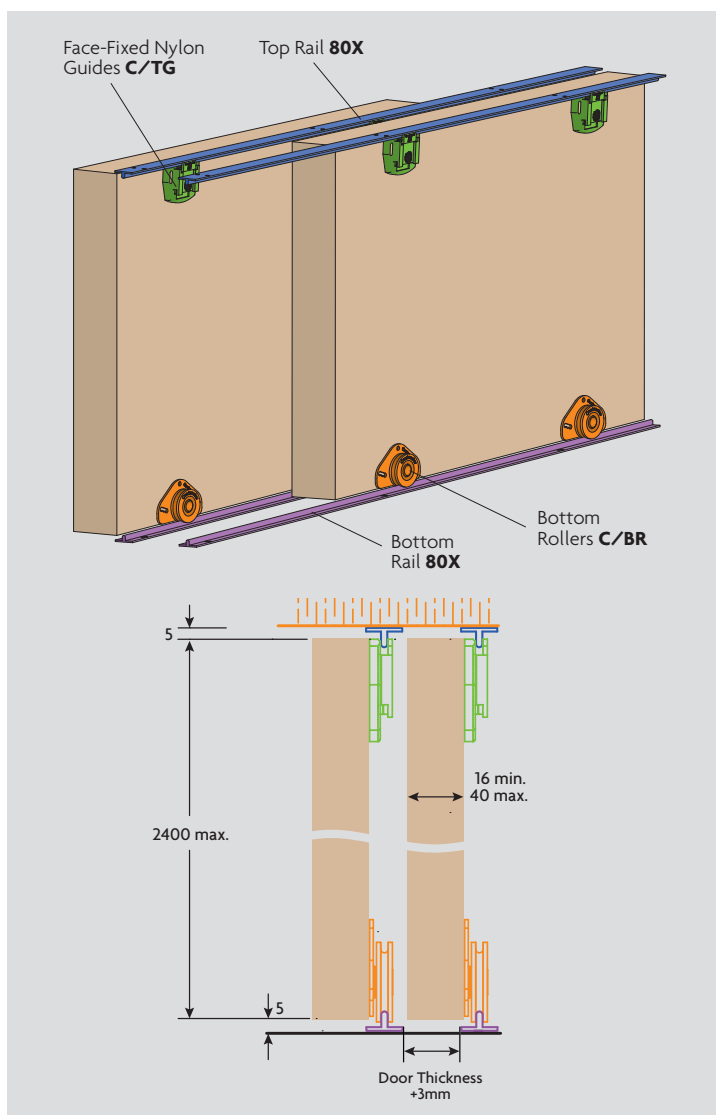
WOOD

25kg



Doors not supplied by P C Henderson

The twin-slide Cello is perfect for timber, timber framed and composite doors, and can make a huge difference to virtually any cupboard or wardrobe. It can support doors up to 25kg in weight, 920mm wide, and between 16-40mm thick, and two and three door kits are available to create opening widths of up to 2400mm.

**STANDARD DOOR KIT**

For 2 or 3 Doors:

- Top/Bottom Rail x4 (**80X**)
- Face-Fixed Nylon Guides - x4 for 2 Doors, x3 for 3 Doors (**C/TG**)
- Face-Fixed Nylon-Wheeled Bottom Rollers x4 for 2 Doors, x3 for 3 Doors (**C/BR**)

**OPTIONAL EXTRAS**

Order Code:

- 1 Door Fitting Pack
- Flushpull

**C1****26P****C1****26P****STANDARD KIT ORDER CODES**

Order Code	No. of Doors	Track Length	Maximum Door Size	Max Door Weight	Door System
<b>C15</b>	2	1500mm	2400 x 920 x 40mm	25kg	■ — ■
<b>C18</b>	2	1800mm	2400 x 920 x 40mm	25kg	■ — ■
<b>C24</b>	3	2400mm	2400 x 920 x 40mm	25kg	■ — ■

## LORETTO

SLIDING

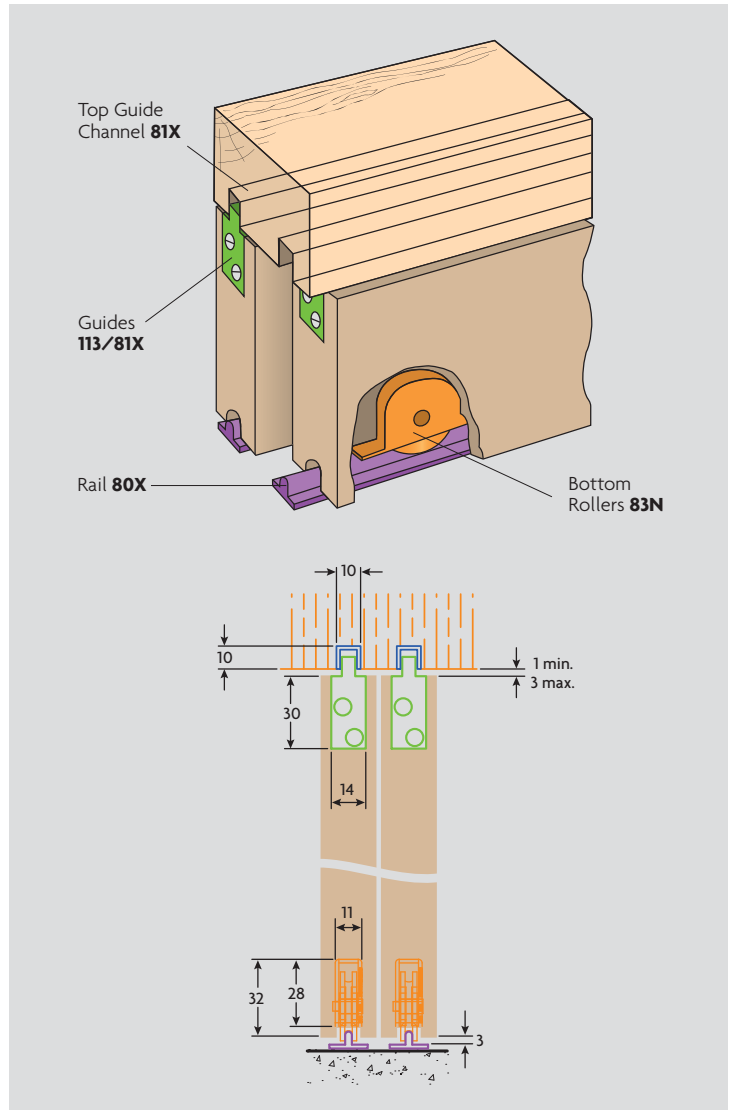
WOOD

23kg



Doors not supplied by P C Henderson

When it comes to finishing wardrobes, cupboards, bookcases and other pieces of high quality cabinet work, the Loretto range is ideal. It has been designed to work with timber framed, glazed and flush doors up to 23kg in weight, up to 900mm wide, and between 20-45mm thick. Three kits are available giving a maximum opening width of 1800mm and the nylon guides and rollers and aluminium rail ensure it works smoothly and quietly.

**STANDARD DOOR KIT**

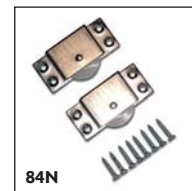
For 2 Doors:

- Top Guide Channel x2 (**81X**)
- Guides x4 (**113/81X**)
- Bottom Rollers x4 (**83N**)
- Rail x2 (**80X**)

**OPTIONAL EXTRAS**

Order Code:

- Face-Fix Rollers (2 per door) **84N** (pair)
- Flushpull **26P**

**84N****26P****STANDARD KIT ORDER CODES**

Order Code	No. of Doors	Track Length	Maximum Door Size	Max Door Weight	Door System
<b>D4</b>	2	1200mm	1800 x 900 x 45mm	23kg	■ — ■
<b>D5</b>	2	1500mm	1800 x 900 x 45mm	23kg	■ — ■
<b>D6</b>	2	1800mm	1800 x 900 x 45mm	23kg	■ — ■



## ZENITH

SLIDING

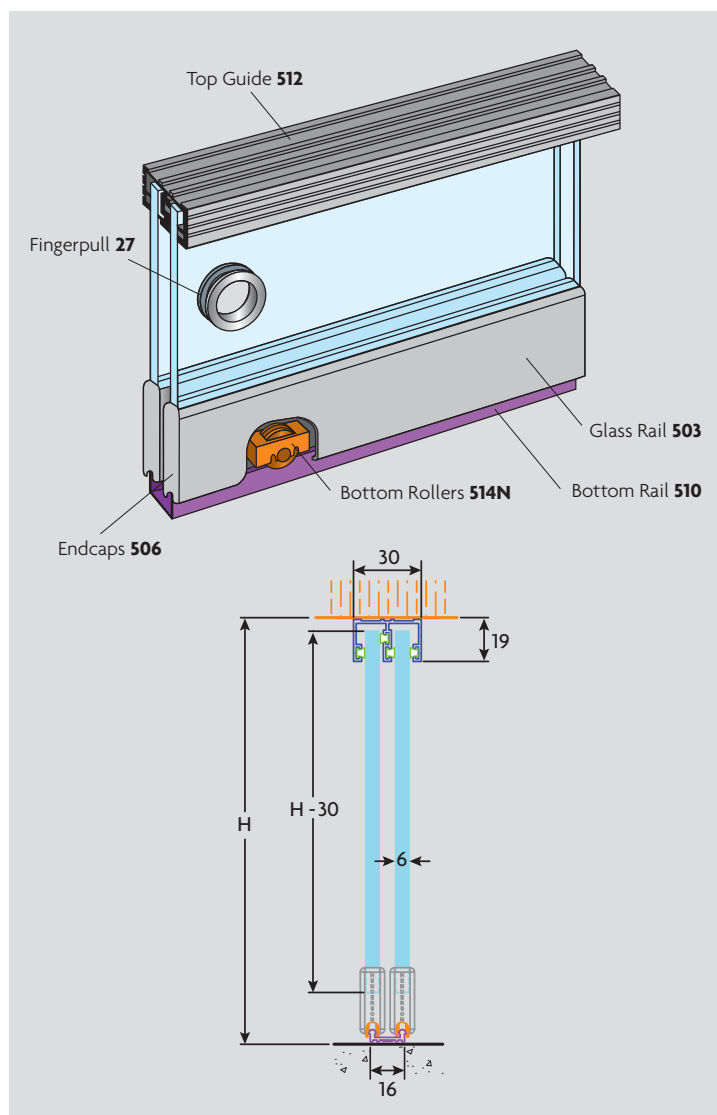
GLASS

25kg



Doors not supplied by P C Henderson

The Zenith is the perfect partner for any showcase, bookcase, display panel, hatch, interior window or sliding glass door weighing up to 25kg and 6mm thick. Three kits are available giving a maximum opening width of 1800mm, and its precision-made, satin-anodised finish, aluminium gear and brush-pile strips ensure a silent and easy-gliding action.

**STANDARD DOOR KIT**

For 2 Doors:

- Top Guide x1 (512)
- Glass Rails x2 (503)
- Bottom Rollers x4 (514N)
- Endcaps x4 (506)
- Bottom Rail x1 (510)

**OPTIONAL EXTRAS**

Order Code:

- Fingerpull
- Cylinder Lock (L or R)

27

507LH or 507RH



27



507LH/507RH

**STANDARD KIT ORDER CODES**

Order Code	No. of Doors	Track Length	Maximum Door Size	Max Door Weight	Door System
<b>Z12</b>	2	1200mm	1800 x 916 x 6mm	25kg	■ — ■
<b>Z15</b>	2	1500mm	1800 x 916 x 6mm	25kg	■ — ■
<b>Z18</b>	2	1800mm	1800 x 916 x 6mm	25kg	■ — ■

# SENATOR

SLIDING

WOOD

30kg



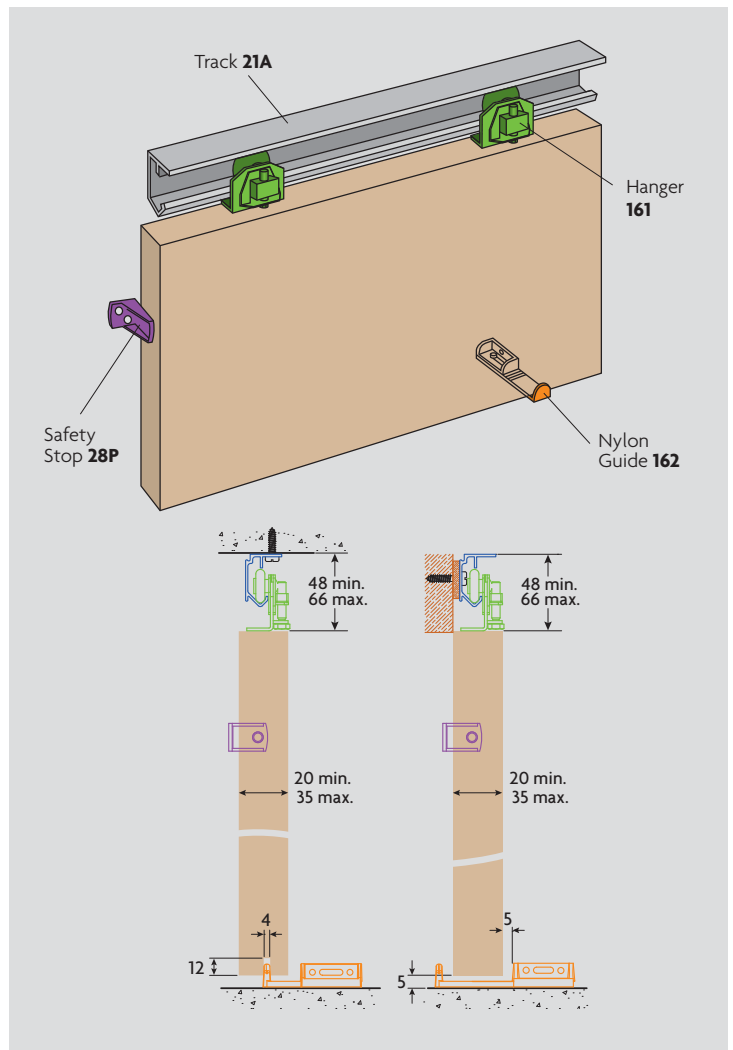
Doors not supplied by P C Henderson

The Senator brings an elegant silent sliding mechanism to heavier entrance doors and room dividing doors of up to 30kg. Designed for timber, timber framed and composite doors, it can support doors up to 900mm wide and between 20-35mm thick. Nylon guides and hangers on an aluminium track and useful fixed floor guides complete this premium package.

## STANDARD DOOR KIT

For Single Doors:

- Jump-Proof, Face/Soffit Aluminium Track x1 (**21A**)
- Nylon-Tyred, Adjustable Top Fixing Hangers x2 (**161**)
- Nylon Guide x1 (**162**)      ■ Stop x1 (**28P**)



## OPTIONAL EXTRAS

- Pelmet (1854mm)
- Pelmet Endcap
- Flushpull
- Flushbolt
- Black Flushpull

Order Code:

**40P**  
**EC40P**  
**400**  
**333**  
**144B**



## STANDARD KIT ORDER CODES

Order Code	No. of Doors	Track Length	Maximum Door Size	Max Door Weight	Door System
<b>SEN</b>	1	1500mm	2400 x 900 x 35mm	30kg	

## DOUBLE TOP

SLIDING

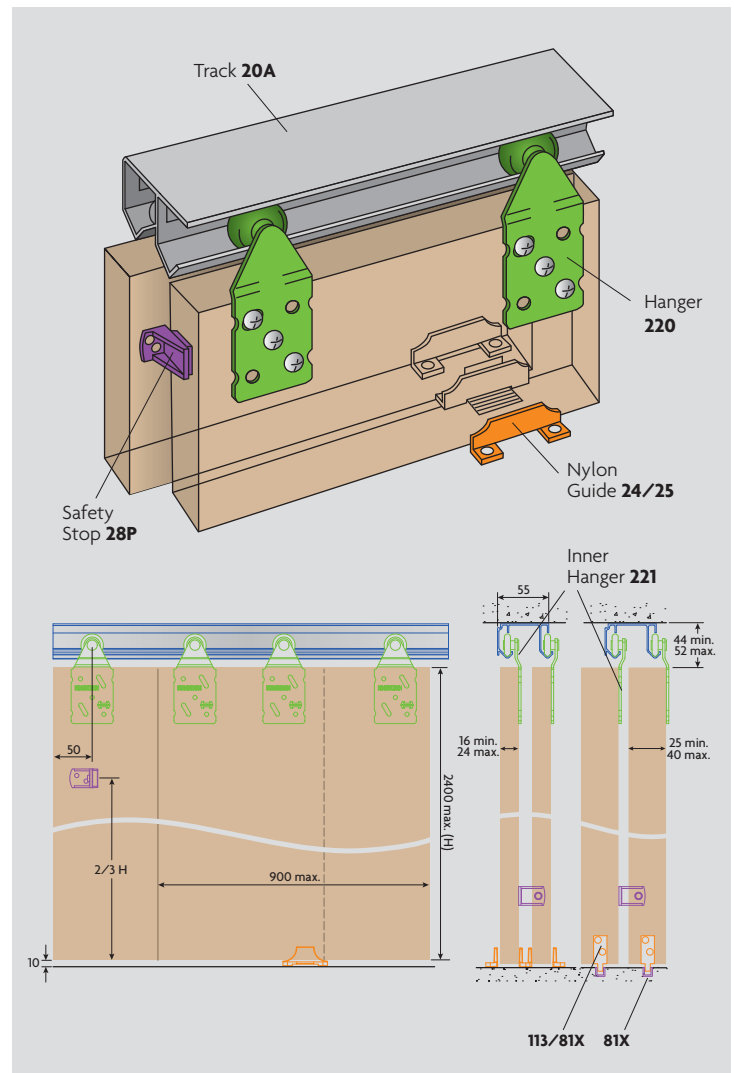
WOOD

45kg



Doors not supplied by P C Henderson

For heavy duty sliding door applications such as larger wardrobes and cupboards in hotels, schools, hospitals and offices, the Double Top is the ideal choice. Designed to support double track sliding timber, timber framed and composite doors of up to 45kg and 16-40mm in thickness, it works silently on nylon hangers and an aluminium track. Door heights can be adjusted easily, a floor guide can be added as an option, and a triple door kit can support openings of up to 2400mm.

**STANDARD DOOR KIT**

For 2 or 3 Doors:

- Anti-Rise Soffit Fixing Aluminium Section Track x1 (**20A**)
- Outer Offset Hangers x2 (**220**)
- Inner Offset Hangers x2 (**221**)
- Reversible Hangers x2 - 3 Door Only (**222**)
- Rubber-Buffered Stop - x1 for 2 Doors, x2 for 3 Doors (**28P**)
- Nylon Guide - x1 for 2 Doors, x2 for 3 Doors (**24/25**)

**OPTIONAL EXTRAS**

Order Code:

- 1 Door Fitting Pack **W01**
- 2 Door Fitting Pack **W02**
- Guide (2 per door) **113/81X**
- Guide Channel **81X**
- Flushpull **400**
- Reversible Hangers **222**
- Aluminium Fascia (for doors up to 30mm thick) **F134**

**STANDARD KIT ORDER CODES**

Order Code	No. of Doors	Track Length	Maximum Door Size	Max Door Weight	Door System
<b>W12</b>	2	1200mm	2400 x 900 x 40mm	45kg	■ — ■
<b>W15</b>	2	1500mm	2400 x 900 x 40mm	45kg	■ — ■
<b>W18</b>	2	1800mm	2400 x 900 x 40mm	45kg	■ — ■
<b>W24</b>	3	2400mm	2400 x 900 x 40mm	45kg	■ — ■

# PHANTOM

SLIDING

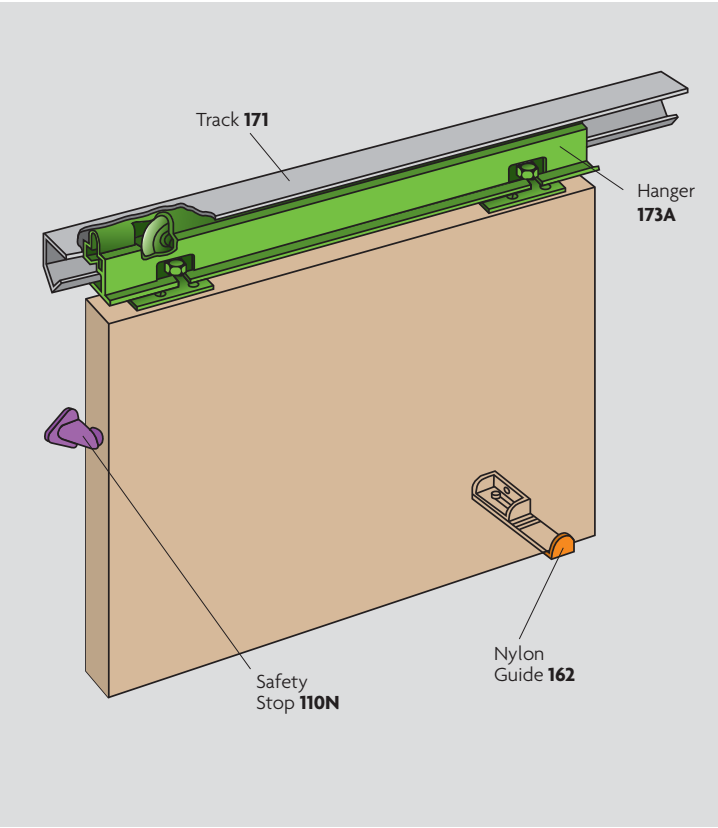
WOOD

45kg



Doors not supplied by P C Henderson

If a silent sliding mechanism is a priority, the Phantom really delivers. Made for doors of up to 45kg, between 610-915mm wide and 30-50mm thick, it can effortlessly divide virtually any room in a residential, hospital or hotel environment. With fittings for timber, timber framed and composite doors, the Phantom is ultra-quiet, frictionless and easy to operate, and provides a unique simultaneous opening action.



## STANDARD DOOR KIT

For Single Doors:

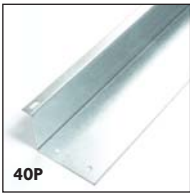
- Track x1 (171)
- Nylon Guide x1 (162)
- Hanger x1 (173A)
- Stop x1 (110N)

### OPTIONAL EXTRAS

- Simultaneous Action Unit
- Pelmet (1854mm)
- Pelmet Endcap
- Flushpull
- Flushbolt
- Self-Closing System Pulley Assembly (doors up to 45kg)
- Black Flushpull

Order Code:

23  
40P  
EC40P  
400  
333  
144B



### STANDARD KIT ORDER CODES

Order Code	No. of Doors	Track Length	Maximum Door Size	Max Door Weight	Door System
P9	1	1525mm	2400 x 915 x 50mm	45kg	

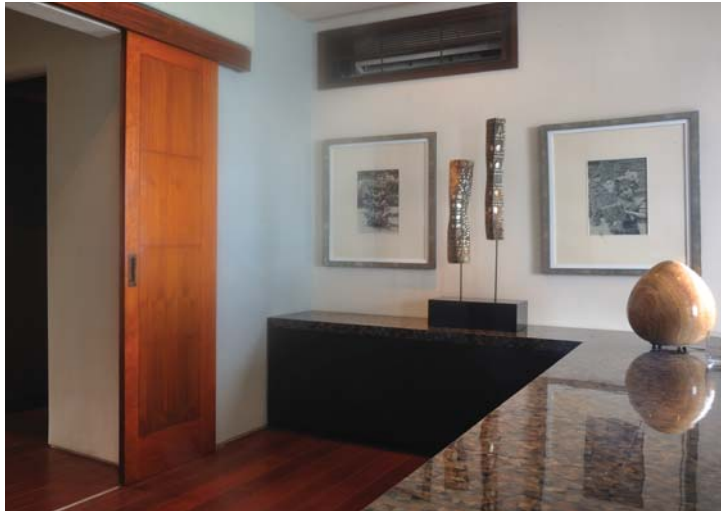


# SINGLE TOP

SLIDING

WOOD

45kg



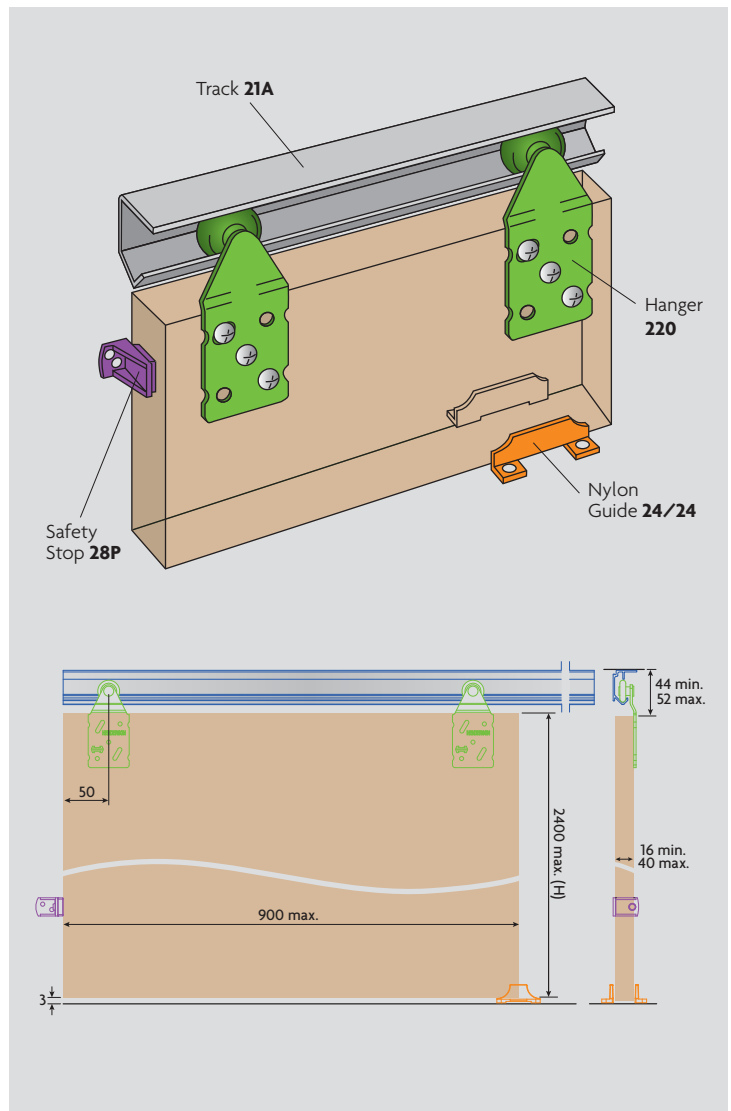
Doors not supplied by P C Henderson

With the Single Top, wardrobe doors have never been more graceful. The system works with single track, timber framed or composite wardrobe doors of up to 45kg and between 16-40mm, and three kits are available suitable for a maximum width of 900mm.

## STANDARD DOOR KIT

For Single Doors:

- Anti-Rise, Face/Soffit Aluminium Track x1 (**21A**)
- Nylon-Tyred, Face-Fixing Hangers x2 (**220**)
- Rubber-Buffered Stop x1 (**28P**)
- Nylon Guide x1 (**24/24**)



## OPTIONAL EXTRAS

- 1 Door Fitting Pack
- Guide (2 per door)
- Guide Channel
- Flushpull

Order Code:

**ST01**  
**113/81X**  
**81X**  
**400**



ST01



113/81X



81X

## STANDARD KIT ORDER CODES

Order Code	No. of Doors	Track Length	Maximum Door Size	Max Door Weight	Door System
<b>ST12</b>	1	1200mm	2400 x 600 x 40mm	45kg	
<b>ST15</b>	1	1500mm	2400 x 750 x 40mm	45kg	
<b>ST18</b>	1	1800mm	2400 x 900 x 40mm	45kg	

# POCKET DOOR

SLIDING

WOOD

60kg



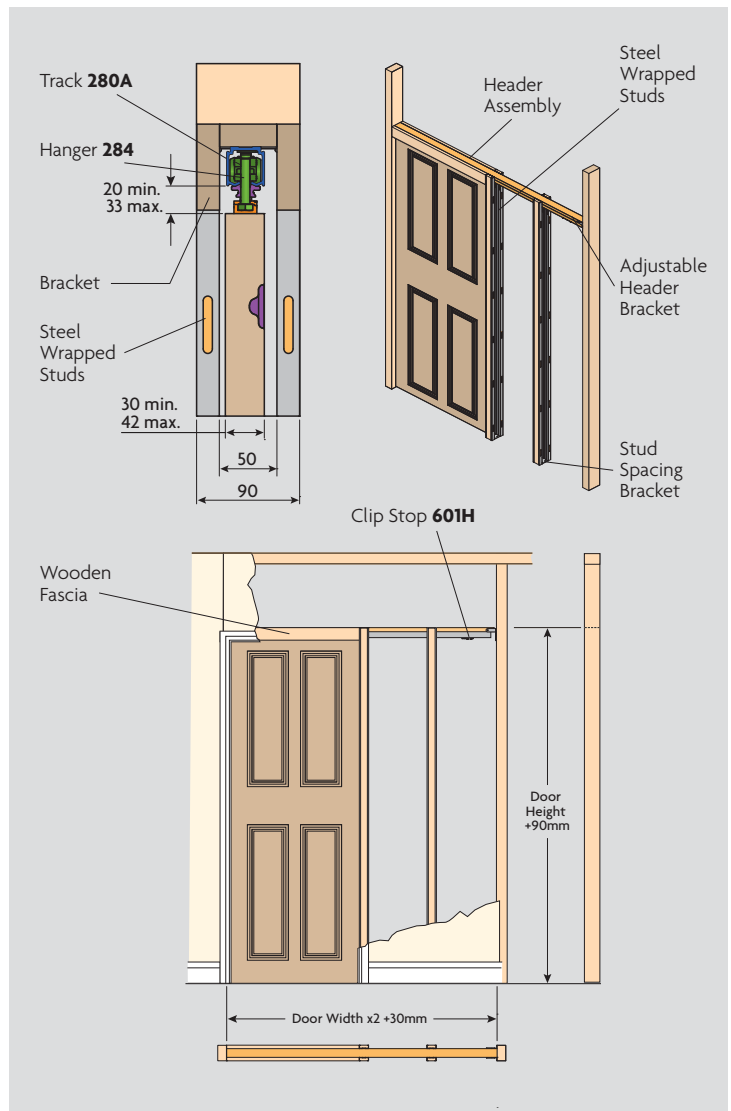
Doors not supplied by P C Henderson

The Pocket Door kit is a unique sliding door solution that works with cavity walls, and which offers amazing benefits where interior space is limited such as in toilets, bathrooms and kitchens. Each Pocket Door kit comes with a pre-assembled aluminium track and header mechanism.

## STANDARD DOOR KIT

For Single Doors:

- Track x1 (**280A**)
- Husky 100 Hanger x2 (**284**)
- Galvanised Steel Wrapped Softwood Studs x4
- Galvanised Steel Stud Spacing Brackets x2
- Galvanised Steel Stud Support Brackets x2
- Softwood Header Assembly (with pre-fitted track) x1
- Clip Stop with Adjustable Retention x2 (**601H**)
- Rubber Buffer x1 (**287**)
- Flushpulls - contains all handles and pulls needed (**385SA**)



## OPTIONAL EXTRAS

- Flushpull
- Fingerpull
- Lockset (30-38mm doors)
- Lockset (40-48mm doors)

Order Code:

**400 or 400PSS**  
or **385PB or 385SA**  
**380SA or 380PB**  
**390SA or 390PB**  
**395SA or 395PB**



380SA



380PB



390SA/390PB

## STANDARD KIT ORDER CODES

Order Code	No. of Doors	Maximum Door Size	Max Door Weight	Door System
<b>PDK3</b>	1	1981 x 762 x 44mm	60kg	
<b>PDK4</b>	1	1981 x 838 x 44mm	60kg	
<b>PDK5</b>	1	2040 x 762 x 44mm	60kg	
<b>PDK6</b>	1	2040 x 826 x 44mm	60kg	
<b>PDK7</b>	1	2040 x 726 x 44mm	60kg	
<b>PDK10</b>	1	2315 x 930 x 44mm	60kg	

## MARATHON 55 &amp; 90

SLIDING

WOOD

METAL

55kg  
90kg

When it comes to heavy duty or light commercial sliding doors and partitions, the Marathon is in a class of its own. Designed for timber, timber framed and composite doors, it offers a unique simultaneous opening action, easily adjusted door heights and a fire door kit option for the Marathon 90, and it can also be used externally with weather protection.

Available as the Marathon 90 for doors of up to 90kg and the Marathon 55 for doors of up to 55kg, it can handle door thicknesses of between 32-50mm and doors up to 2500mm wide.

## STANDARD KIT ORDER CODES

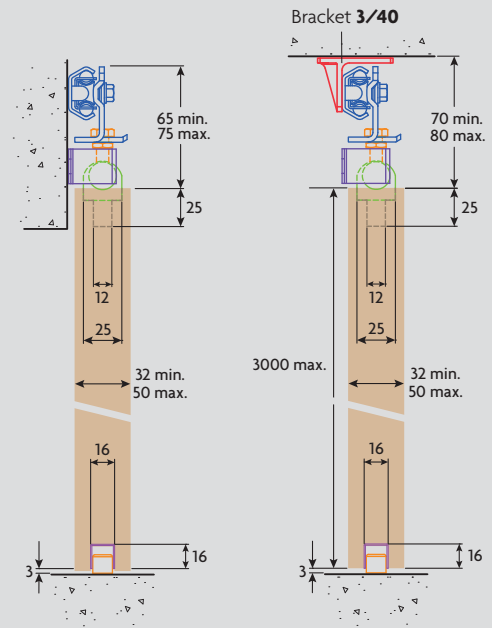
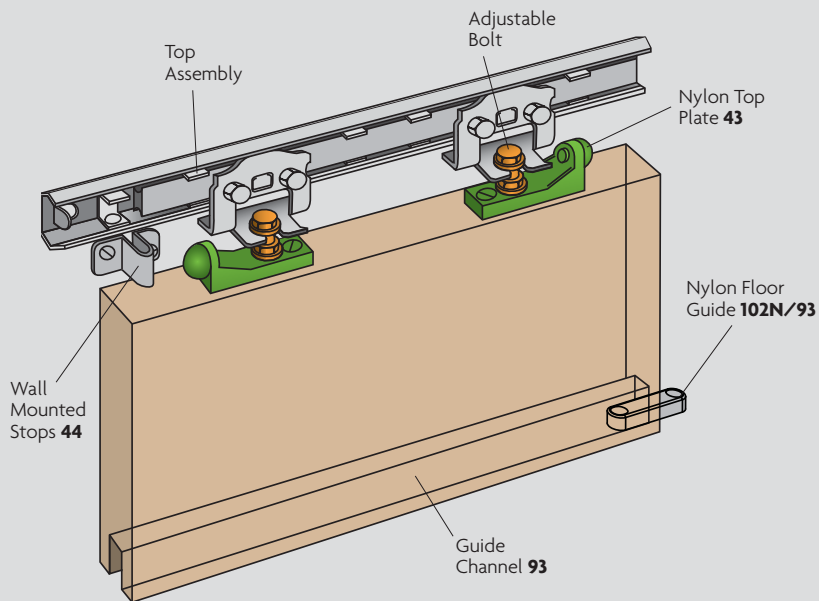
Product	Order Code	No. of Doors	Track Length	Opening Width Range	Max Door Weight	Door System
<b>Marathon 55</b>	<b>J2</b>	1	1219mm	400 - 750mm	55kg	
	<b>J3</b>	1	1473mm	750 - 900mm	55kg	
	<b>J4</b>	1	1702mm	900 - 1050mm	55kg	
	<b>J5</b>	1	1981mm	1050 - 1200mm	55kg	
	<b>J6*</b>	1	2438mm	1200 - 1500mm	55kg	
<b>Marathon 90</b>	<b>S2</b>	1	1219mm	400 - 750mm	90kg	
	<b>S3</b>	1	1473mm	750 - 900mm	90kg	
	<b>S4</b>	1	1702mm	900 - 1050mm	90kg	
	<b>S5</b>	1	1981mm	1050 - 1200mm	90kg	
	<b>S6*</b>	1	2438mm	1200 - 1500mm	90kg	
	<b>S7*</b>	1	3048mm	1500 - 1800mm	90kg	
	<b>S8*</b>	1	3226mm	1800 - 2000mm	90kg	
	<b>S9*</b>	1	4420mm	2000 - 2500mm	90kg	

# MARATHON 55 & 90

SLIDING

WOOD

METAL

55kg  
90kg

## STANDARD DOOR KIT

For Marathon 55:

- Top Assembly x1
- Nylon Top Plates x2 (43)
- Wall Mounted Stops x2 (44)
- Nylon Floor Guide x1\* (102N/93)
- Guide Channel x1 (93)

For Marathon 90:

- Top Assembly x1
- Nylon Top Plates x2 (43)
- Wall Mounted Stops x2 (44)
- Nylon Floor Guide x1\* (102N/93)
- Guide Channel x1 (93)

\* 2 Guides are supplied in the J6, S6, S7, S8 and S9 kits.

## OPTIONAL EXTRAS

Order Code

Upgrade your installation with your choice of the following high quality accessories.

- |  |                  |
|--|------------------|
| ■ Soffit Brackets x5                                     | <b>3/40</b>      |
| ■ Self-Closing System Pulley Assembly (doors up to 60kg) | <b>SCK1</b>      |
| ■ Biparting Unit (2 doors each max 900mm)                | <b>23</b>        |
| ■ Pelmet   | <b>40P/1854</b>  |
| ■ Pelmet End Cap   | <b>EC40P</b>     |
| ■ Fire Door Kit  | <b>FDK1/FDK2</b> |

## Handles & Locks

Those little extras that can make a big difference. Choose from a variety of premium handle and lock upgrades.

- |                   |             |
|-------------------|-------------|
| ■ Flushpull       | <b>400</b>  |
| ■ Flushbolt       | <b>333</b>  |
| ■ Black Flushpull | <b>144B</b> |





# HUSKY FOLDING 25 & 40

FOLDING

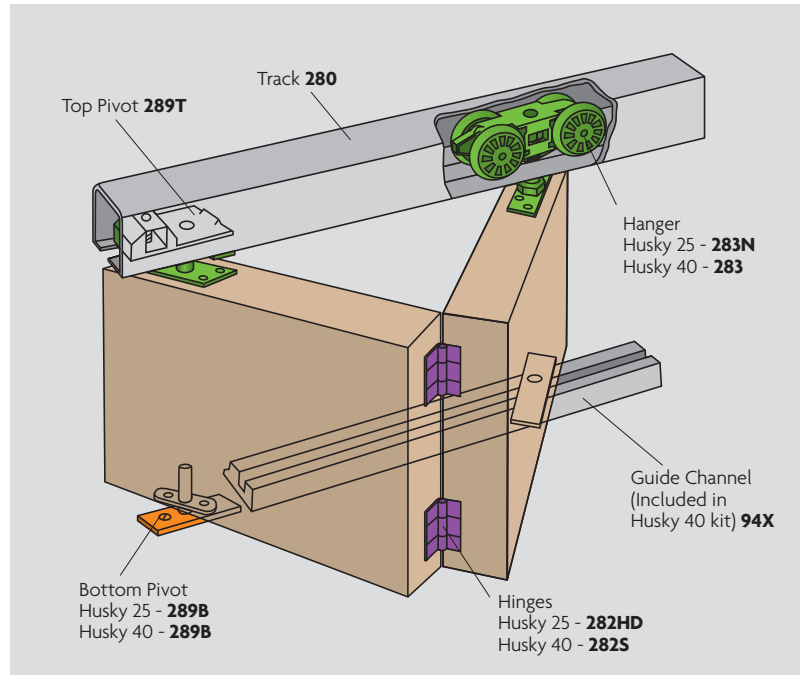
WOOD

METAL

25kg  
40kg

Extra pivots required for 2 plus 2 folding doors.

Doors not supplied by P.C. Henderson



The Husky Folding door system provides a simple and flexible solution for both light and medium weight residential folding partitions. Designed for timber, timber framed and composite doors, its concealed fixings and robust floor gear allow the partitions to be neatly stacked at one or both sides. The Husky Folding 25 can support doors of up to 25kg and 610mm wide without a floor channel, and the Husky Folding 40 can support doors of up to 40kg and 762mm wide, with a floor channel guide included.

## STANDARD DOOR KIT\*

For 2 or 4 Doors, Husky Folding 25:

- Steel Track x1 (280)
- Top and Bottom Pivots for Fixing into End Panel x1 (289T & 289B)
- 4 Wheeled Adjustable Nylon Hangers - x1 for 2 Doors, x2 for 4 Doors (283N)
- Hinges - x3 for 2 Doors, x9 for 4 Doors (282HD)

For 2 or 4 Doors, Husky Folding 40:

- Steel Track x1 (280)
- Top Pivots for Fixing into End Panel x1 (289T)
- Bottom Pivots for Fixing into End Panel x1 (289B)
- Guide Channel x1 (94X)
- Needle Roller Bearing Hangers for Top Plate - x1 for 2 Doors, x2 for 4 Doors (283)
- Roller Guide - x1 for 2 Doors, x2 for 4 Doors (106H/HF/94)
- Hinges - x3 for 2 Doors, x9 for 4 Doors (282S)

**NB.** Extra Pivots required for 4 doors folding (2 + 2).

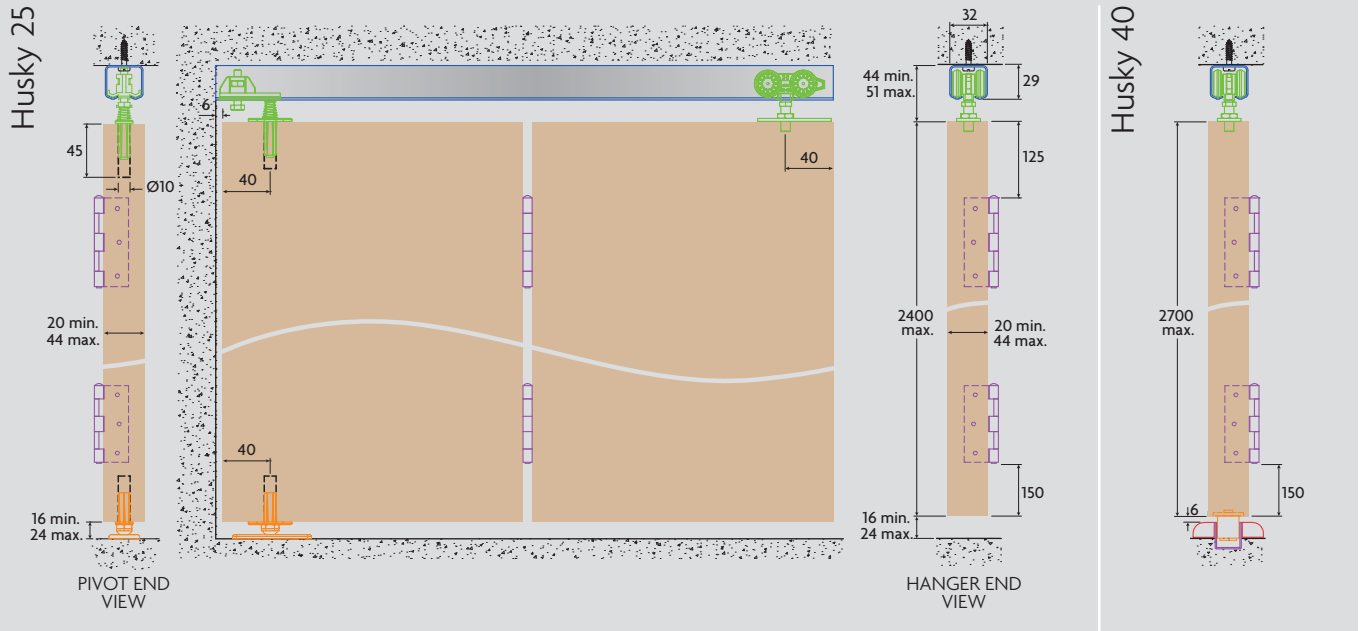
\* 2 and 4 door fitting packs contain all the components contained in the kits except the track/channel. Order also Steel Track (280) or Aluminium Section Track (280A).

# HUSKY FOLDING 25 & 40

FOLDING

WOOD

METAL

25kg  
40kg

## OPTIONAL EXTRAS

Upgrade your installation with your choice of the following high quality accessories.

- Guide
- 2 Door Fittings Pack
- 4 Door Fittings Pack

### Order Code

**106HF/94**  
**HF2/40**  
**HF4/40**



## Handles & Locks

Those little extras that can make a big difference. Choose from a variety of premium handle and lock upgrades.

- Flushpull
- Flushbolt

**400**  
**333**



## STANDARD KIT ORDER CODES

Product	Order Code	No. of Doors	Track Length	Max Door Size	Max Door Weight	Door System
Husky 25	HF25/12	2	1234mm	2400 x 610 x 44mm	25kg	■ ^
	HF25/24	4	2458mm	2400 x 610 x 44mm	25kg	■ ^ ^
Husky 40	HF40/15	2	1538mm	2700 x 762 x 44mm	40kg	■ ^
	HF40/30	4	3066mm	2700 x 762 x 44mm	40kg	■ ^ ^

# HUSKY SLIDING 50 & 100

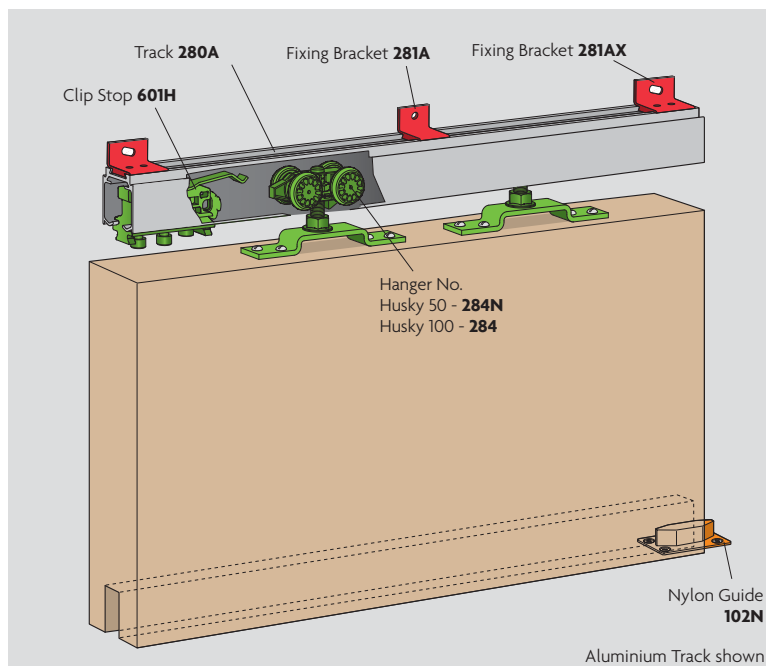
SLIDING

WOOD

METAL

50kg  
100kg

Doors not supplied by P.C. Henderson



Versatile and silent, the Husky Sliding door system is ideal for creating wardrobe doors and room dividers with one or more timber, timber framed, composite or metal doors at each side. The Husky 50 and Husky 100 support doors of up to 50kg and 100kg respectively, and optional fitting kits allow additional doors to be fitted to a maximum door width of 1250mm. Kits contain galvanised steel or aluminium tracks, nylon rollers and precision floor guides complete this high quality, low maintenance system.



For information on Automated Door Hardware or Glass systems please see our Evolve and Husky Glass product brochures.

## STANDARD DOOR KIT

For Single Doors:

- Track - Aluminium or Steel (**280A** or **280**)\*
- Fixing Brackets - Aluminium or Steel (**281A** or **281**)
- 2 Nylon Bodied Hangers (**284** or **284N**)
- Nylon Guide (**102N**)
- Clip Stop (**601H**)
- Track Stop (**287**)

\* Anodised Aluminium Track (**280AN**) also available.

**NB.** Extra fittings required for more than one door.

For metal doors **285** or **285N** is required.

## STANDARD KIT ORDER CODES

Product	Order Code Steel Track	Order Code Aluminium Track*	No. of Doors	Track Length	Maximum Door Size	Maximum Door Weight	Door System
<b>Husky 50</b>	<b>H50/15</b>	<b>H50/15A</b>	1	1500mm	2700 x 800 x 50mm	50kg	
	<b>H50/18</b>	<b>H50/18A</b>	1	1800mm	2700 x 950 x 50mm	50kg	
	<b>H50/20</b>	<b>H50/20A</b>	1	2000mm	2700 x 1050 x 50mm	50kg	
	<b>H50/24</b>	<b>H50/24A</b>	1	2400mm	2700 x 1250 x 50mm	50kg	
<b>Husky 100</b>	<b>H100/15</b>	<b>H100/15A</b>	1	1500mm	2700 x 800 x 50mm	100kg	
	<b>H100/18</b>	<b>H100/18A</b>	1	1800mm	2700 x 950 x 50mm	100kg	
	<b>H100/20</b>	<b>H100/20A</b>	1	2000mm	2700 x 1050 x 50mm	100kg	
	<b>H100/24</b>	<b>H100/24A</b>	1	2400mm	2700 x 1250 x 50mm	100kg	

# HUSKY SLIDING 50 & 100

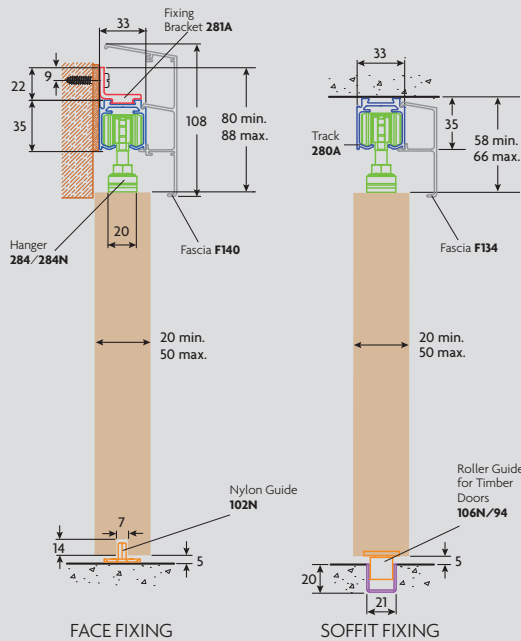
SLIDING

WOOD

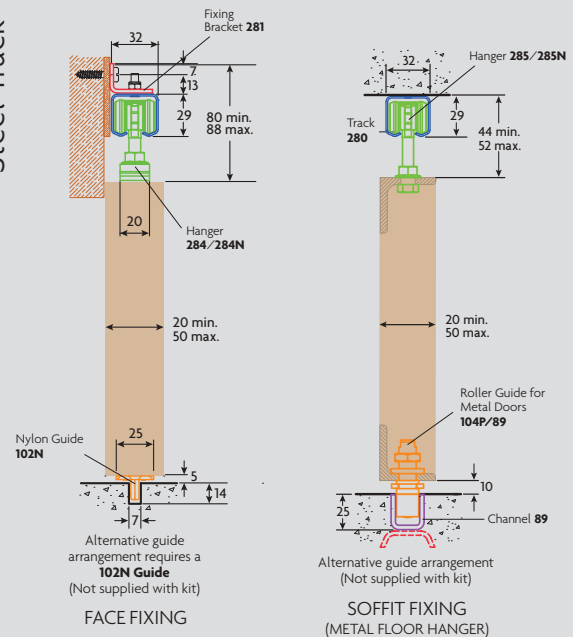
METAL

50kg  
100kg

## Aluminium Track



## Steel Track



### OPTIONAL EXTRAS

Upgrade your installation with your choice of the following high quality accessories.

#### Soft Stop Pack (Only for use with Husky 100)

A hydraulic damper will catch the sliding doors and gently pull them into their final position. For use with new installations or can be retro-fitted to an existing system. Not compatible with the Simultaneous Action or Low Headroom Packs.

- Minimum door width 726mm, maximum weight 50kg **SOFT50**
- Minimum door width 1020mm, maximum weight 50kg **SOFT50D\***
- Minimum door width 716mm, maximum weight 100kg **SOFT100**
- Minimum door width 1078mm, maximum weight 100kg **SOFT100x2\***

\*For double damper installation, where soft stop action is on both the open and closed side.

#### Low Headroom Pack

Creates a modern, minimalistic finish with all parts concealed. It reduces the clearance between the track and door and maximises the door height.

- Door thickness 34-50mm, maximum door weight 100kg **LH100**

#### Simultaneous Action Pack

A great addition for internal bi-parting doors. Pull one door and the other one will open/close simultaneously.

- For use with Husky 100 **SIM100**

#### Additional Fittings Pack

To enable a second door to be fitted to the Husky System.

- For Husky 50 **H50N**
- For Husky 100 **H100**

### Fascia for Aluminium Track

A range of aluminium fascias to enhance a variety of applications. Available in 1.5m, 1.8m, 2m, 2.5m and 3m lengths.

- Aluminium Fascia for Soffit-fixed Applications for doors up to 50mm thick **F134**
- Aluminium Fascia for Face-fixed Applications up to 50mm thick (includes end caps) **F140**

### Anodised Aluminium Track

The enhanced appearance of anodised aluminium will add extra sophistication to any installation.

- Lengths available: 1.5m, 1.8m, 2m, 2.5m, 3m, 4m, 5m & 6m **280AN**

### Alternative Guiding System

Upgrade from nylon to a roller guiding system for an even smoother, longer lasting operation.

- Aluminium Guide Channel **94X**
- Roller Guide for Timber Doors **106N/94**
- Roller Guide for Metal Doors **104P/89**

### Handles & Locks

Those little extras that can make a big difference. Choose from a variety of premium handle and lock upgrades.

- Flushpull **400**
- Stainless Steel Flushpull **400SS**
- Polished Stainless Steel Flushpull **400PSS**
- Flushbolt **333**
- Mortice Sliding Door Lock **395**
- Black Flushpull **144B**



F134



144B



395



400



LH100



# HUSKY TELESCOPIC

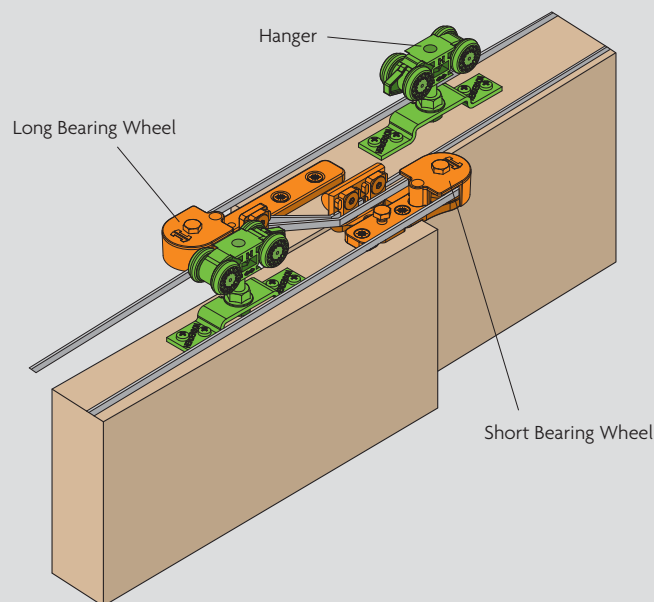
SLIDING

WOOD

80kg



Doors not supplied by P C Henderson



For a natural modern or period look, the Husky Telescopic range allows multiple large timber doors of up to 80kg to become easily stacked sliding partitions. These systems have been designed to be discreet as they require no guide channel meaning that there are no dust traps and make them easier to install across a variety of applications. All doors are linked together via a toothed belt and pulley system. By moving the lead door, all of the doors travel simultaneously with minimum friction and noise.

## STANDARD DOOR KIT

For 2, 3 or 4 Doors:

- Husky Hangers & Apron Plates - x4 for 2 Doors, x6 for 3 Doors, x8 for 4 Doors
- Short Bearing Wheel Assembly - x1 for 2 Doors, x2 for 3 or 4 Doors
- Long Bearing Wheel Assembly - x1 for 2 Doors, x2 for 3 or 4 Doors
- Door Mounted Belt Fixing Bracket - x1 for 2 Doors, x2 for 3 Doors, x4 for 4 Doors
- Length of Toothed Belt x1 (length varies per kit)
- Follower Door Guide - x1 for 2 Doors, x2 for 3 or 4 Doors
- Fixed Base Floor Guide - x1 for 2 or 3 Doors, x2 for 4 Doors
- Wall Mounted Belt Fixing - x1 for 2 or 3 Doors, x2 for 4 Doors
- Track is a required extra - Aluminium finish (280A) or Anodised Aluminium finish (280AN)

## OPTIONAL EXTRAS

Order Code

- Aluminum Face Fix Bracket Pack (5 brackets) **2815A**
- Aluminum Face Fix Bracket Pack (8 brackets) **2818A**
- Flushpull **400**
- Stainless Steel Flushpull **400SS**
- Polished Stainless Steel Flushpull **400PSS**
- Flushbolt **333**
- Mortice Sliding Door Lock **395**
- Fascia for Aluminium Track (doors up to 50mm) **F134** (soffit fix)  
**F140** (face fix)
- Black Flushpull **144B**

## STANDARD KIT ORDER CODES

Order Code	No. of Doors	Maximum Door Size	Max Door Weight	Door System
<b>TEL80/2</b>	2	2700 x 1200 x 47mm	80kg	■ — ■
<b>TEL80/3</b>	3	2700 x 1200 x 47mm	80kg	■ — — ■
<b>TEL80/SIM*</b>	4	2700 x 1200 x 47mm	80kg	■ — — — ■

\* This system allows four doors to centrally part and stack either side of the opening

Technical Sales Team **Tel: +44 (0) 191 377 7345 email: sales@pchenderson.com**

# RUSTIC 80

SLIDING WOOD 80kg



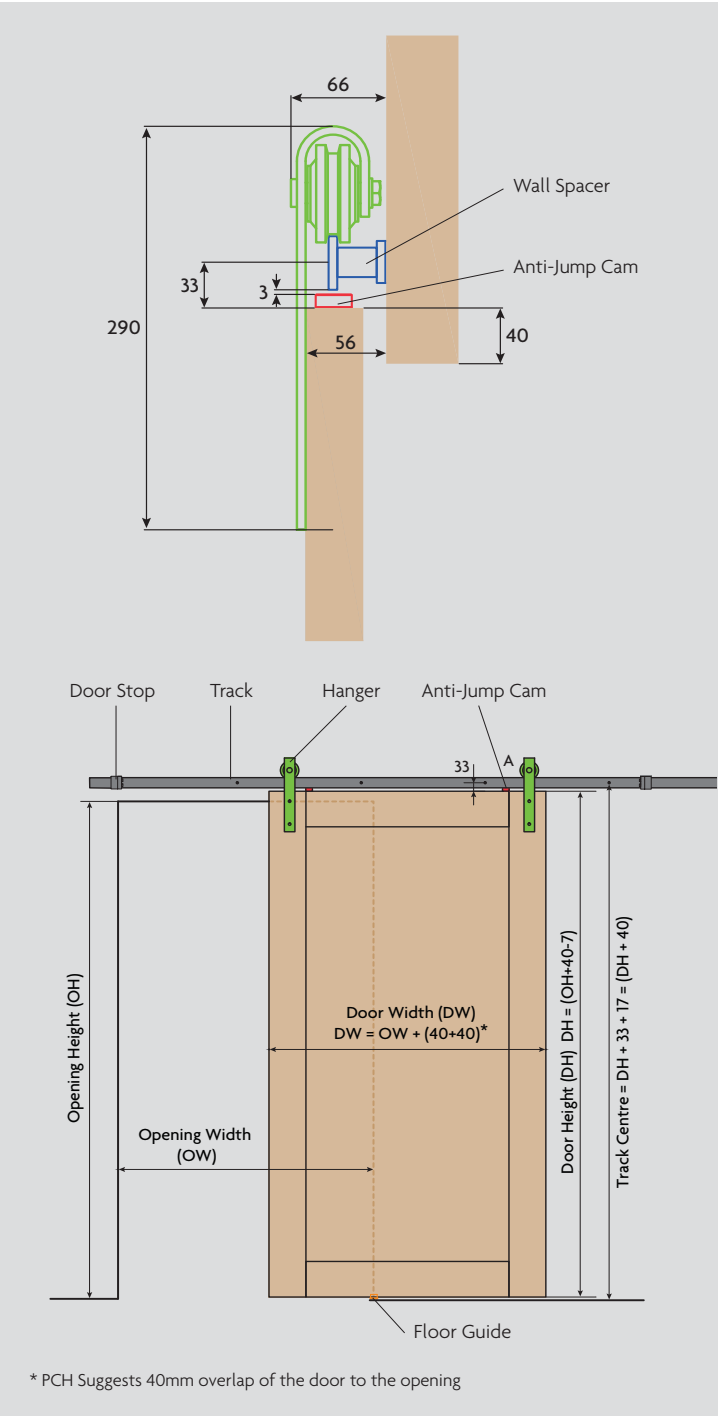
Doors not supplied by PCHenderson

Rustic 80 sliding hardware is ideal for barn conversions, period properties, or just for a unique feature and is suitable for doors weighing up to 80kg. The system creates a traditional look for sliding wooden doors with the exposed steel straps fastening down the front of the door to support the rustic finish. The beautifully crafted barn door style hangers run smoothly across a flat bar track.

## STANDARD DOOR KIT

For Single Doors:

- Hanger x2
- Door Stop x2
- Floor Guide x1
- "Flat" Track x1
- Track Wall Spacers
- Anti-Jump Cam x2
- Black Flushpull x2



## STANDARD KIT ORDER CODES

Order Code	No. of Doors	Track Length	Maximum Door Size	Max Door Weight	Door System
R80/20	1	2000mm	1000 x 46mm	80kg	
R80/30	1	3000mm	1500 x 46mm	80kg	

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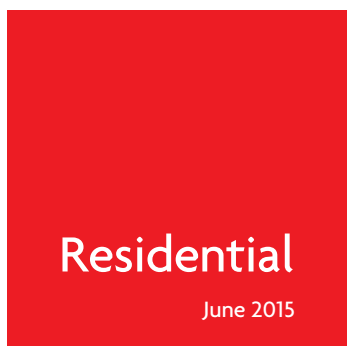
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# Commercial Sliding Door Hardware

HENDERSON

*Design in Motion*

December 2012





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# INTRODUCTION

PC Henderson has long been acknowledged as the world leader in the design and manufacture of sliding and folding door hardware systems for residential, commercial and industrial applications.

Established in 1921, PC Henderson is based in Bowburn in North East England and has subsidiaries in Holland and Ireland. The company has a long established sales and distribution network in over 70 countries, supported by Henderson's fully trained UK based technical sales team.

The company is committed to quality and is registered to BS EN ISO 9001: 2008 Quality Systems and Environmental Management System ISO 14001: 2004

As part of this commitment this brochure has been printed on carbon neutral paper in line with the FSC which promotes responsible management of the world's forests. This accreditation guarantees that only the amount of wood which the forest can regenerate naturally is cut down with minimal impact on the environment, wildlife and the indigenous people who reside there.



# COMMERCIAL RANGE

The models in the Henderson commercial range are suitable for doors weighing up to 500kg. They are ideal for applications such as shop fronts, hotels, conference centres and offices, where smooth action, high performance and aesthetics are important.

You can choose from timber, aluminium and glass door options\*, with straight sliding, folding and multidirectional stacking systems. Flexirol multidirectional systems can accommodate 90° and 135° movement.

Aluminium track can be painted on site to match interior colours and ceilings. Pacer track has the option of clip-on aluminium fascia.

## STRAIGHT SLIDING DOOR SYSTEMS

The main advantage of using a straight sliding system is that it saves room space, as the door does not require a swing or stacking space to open. Using straight sliding systems therefore makes perfect sense when space is at a premium. Sliding doors also offer a touch of individuality to a room design.

P C Henderson's commercial range of straight sliding door systems covers door weights up to 500kg. The products in this range have all been designed for high performance with particular attention to aesthetic appearance.

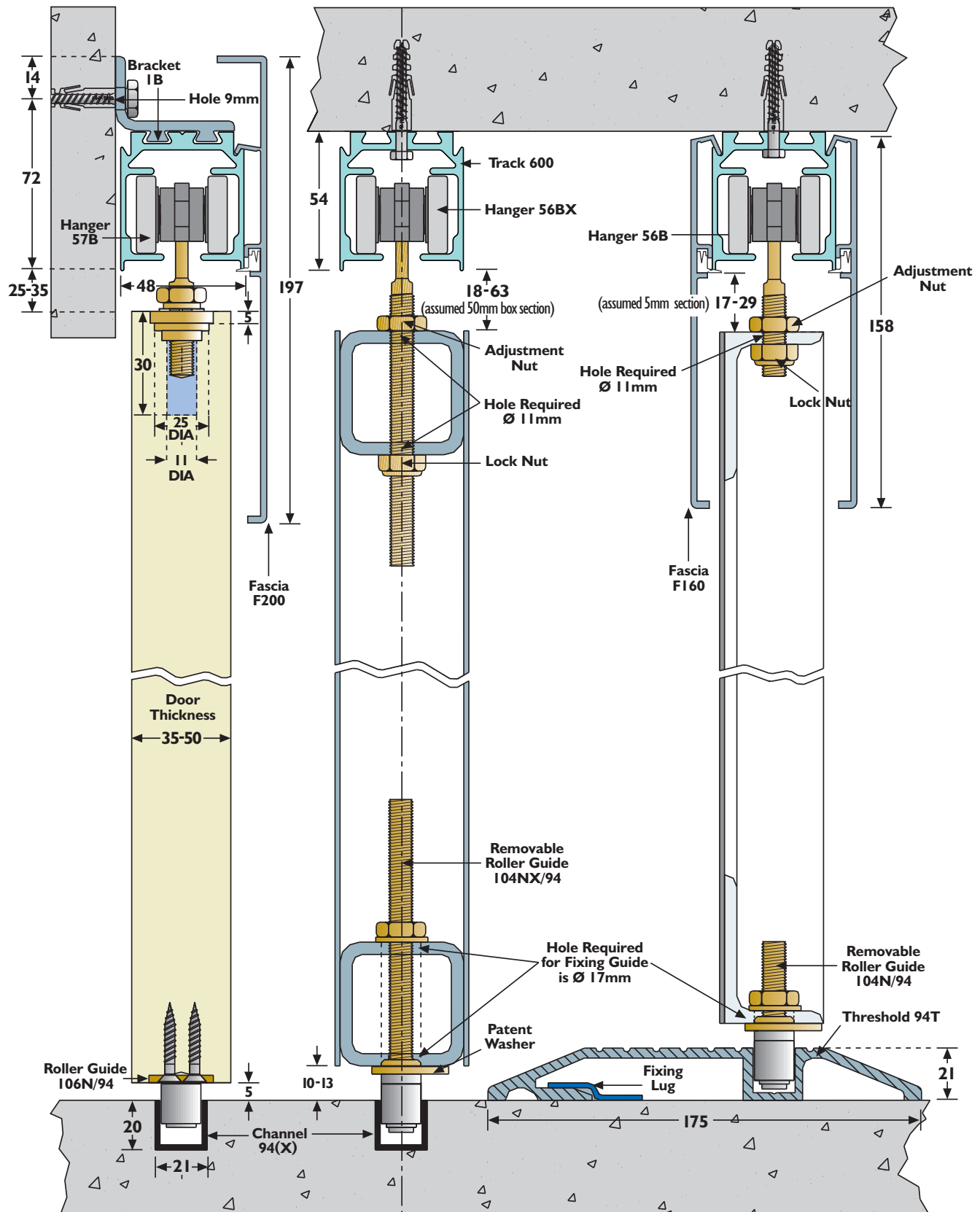
With this goal in mind, Husky and Pacer straight sliding systems have been designed to accommodate a range of clip-on aluminium fascia also supplied by P C Henderson. This aluminium fascia is supplied as standard in a satin anodised finish, with other finishes available on request.

In today's modern working environment the use of glass as an important design element has become widespread practice.

**\*For further details see our Glass door hardware systems brochure.**



# PACER STRAIGHT SLIDING FOR TOP-HUNG TIMBER AND METAL DOORS



## CAPACITY

Maximum door weight:	200kg
Maximum door height:	3000mm
Door thickness:	35mm-46mm

## APPLICATIONS

Combining performance and style with versatility, Pacer straight sliding in timber, aluminium or metal is ideally suited to the modern arena of shop fronts, offices and other stylish interiors.

## DOOR TYPES

Timber doors for interior applications can be either solid or glazed. Metal doors can be of angle or box section. Aluminium is dependent on extrusion profile.

## TECHNICAL INFORMATION

**Track:** Anodised aluminium & mill finish options  
Available in 2000mm, 2500mm, 3000mm, 3500mm, 4000mm and 6000mm lengths

**Brackets:** Face fix  
Joining bracket

**Fascias:** Soffit fixed track  
Face fixed track  
Fascia comes in a satin anodised aluminium finish in lengths of 2000mm, 2500mm, 3000mm, 3500mm, 4000mm and 6100mm

**Hangers:** Wood doors  
Wood doors  
Aluminium/Metal doors  
Metal doors  
Metal doors

**Guides:** Wood/Aluminium/Metal doors

Wood/Aluminium doors  
Metal doors  
Metal doors

**Guide Channel:** Brass  
Aluminium  
Aluminium threshold/guide channel

94 channel available in 1500mm and 3000mm lengths.  
94X channel available in 1500mm, 2000mm, 2500mm, 3000mm lengths.  
Aluminium threshold available in 2000mm, 2500mm, 3000mm, 3500mm, 4000mm and 6000mm lengths.

**Accessories:** Retaining stop mounted within the track  
Flushbolt (lockable & non-lockable versions)

600

IB  
IBX

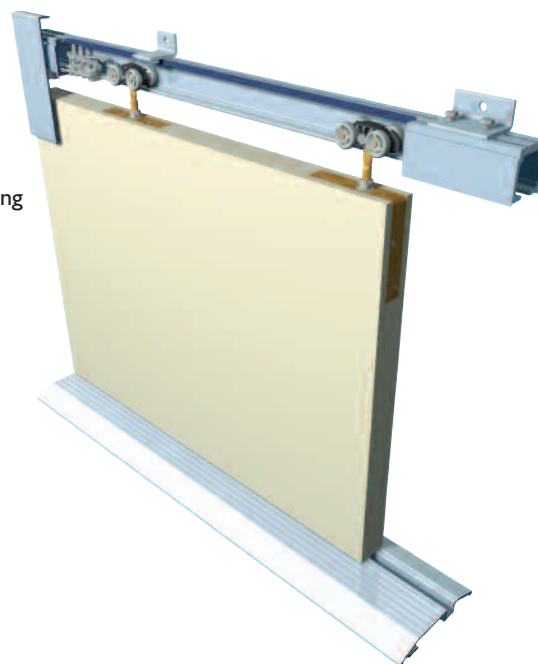
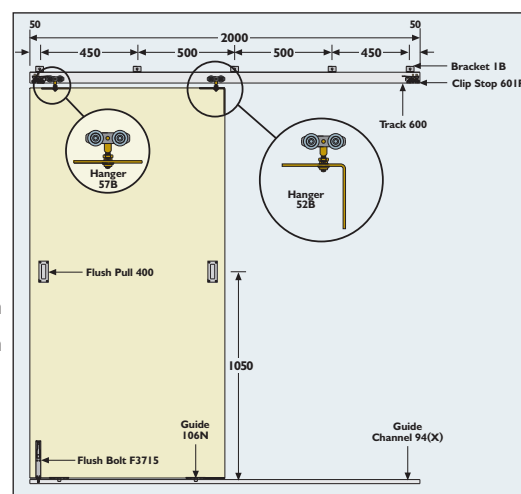
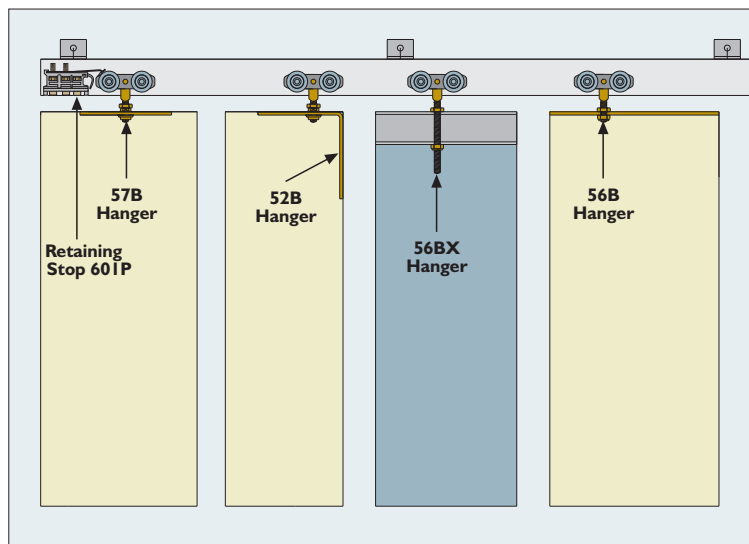
F160 with standard return  
F200 with standard return

57B - concealed fixing  
52B - angle plate fixing  
57B - concealed fixing  
56B - angle frame  
56BX - box frame

89/2N - floor mounted guide  
106N/94 - concealed fixing  
104N/94 - angle frame  
104NX/94 - box frame

94  
94X  
94T

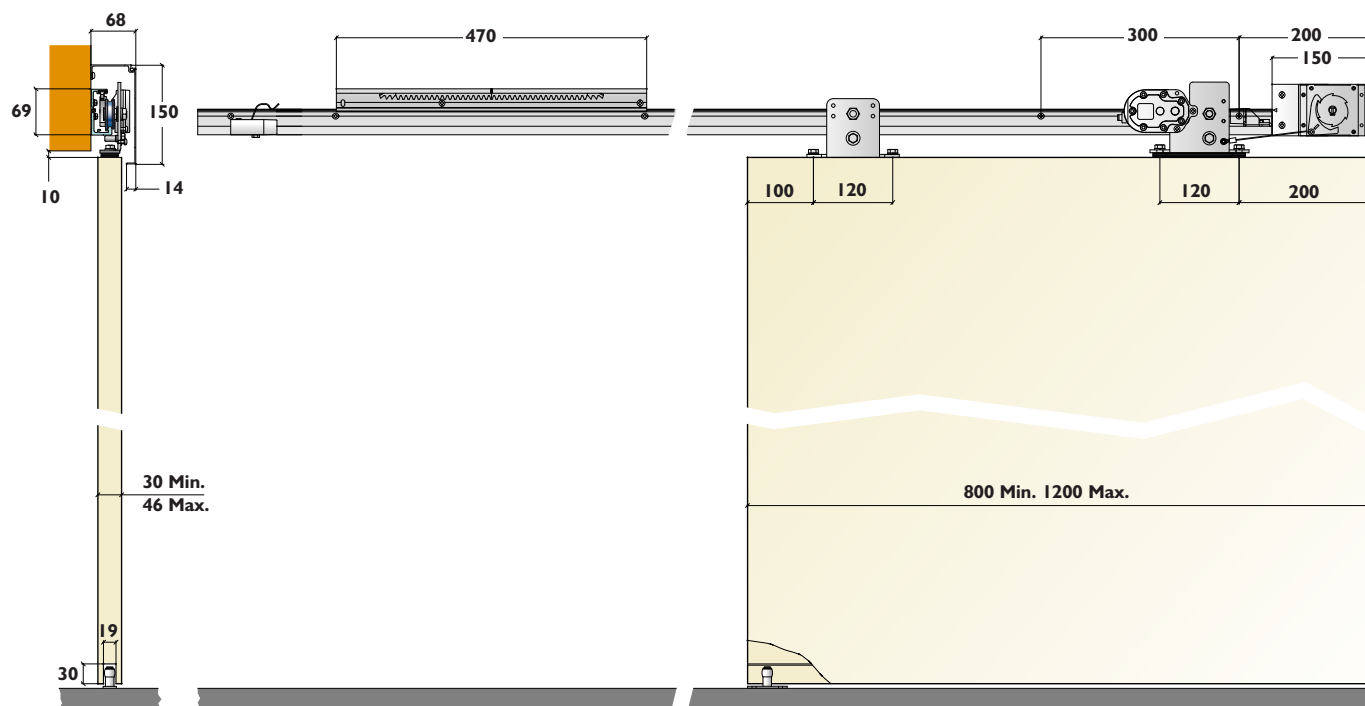
60IP  
SF190



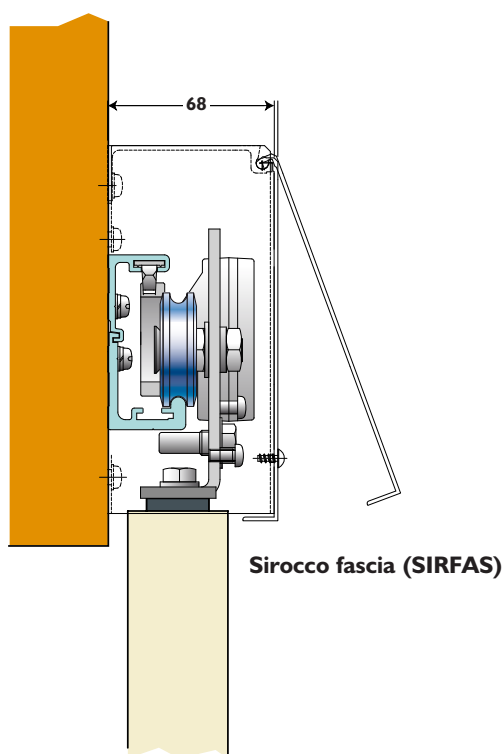




# SELF CLOSING SIROCCO FOR METAL OR TIMBER DOORS



(SIRLH left hand opening shown)



## CAPACITY

Maximum door weight:	80kg
Minimum door thickness:	30mm
Maximum door thickness:	46mm
Minimum door width:	800mm
Maximum door width:	1200mm

## APPLICATIONS

The Sirocco system is a quiet, user friendly self closing system which brings the door leaf gently to a close.

The integrated hydraulic soft stop brings the door to a safe and cushioned close making it ideal for disabled access systems or public areas. The internal door brake can also be adjusted to allow the user to dictate the speed of opening preventing damage to the door and system.

- Designed to give a smooth and quiet operation
- Adjustable closing speed feature
- Optional hold open unit giving adjustable time delay before closing
- Operational between temperatures of -10°C and 40°C

## DOOR TYPES

Timber doors for interior applications only.

## TECHNICAL INFORMATION

### Application

Right Hand Opening  
Left Hand Opening  
Optional Delayed Closing timer RH  
Optional Delayed Closing timer LH  
Optional Fascia

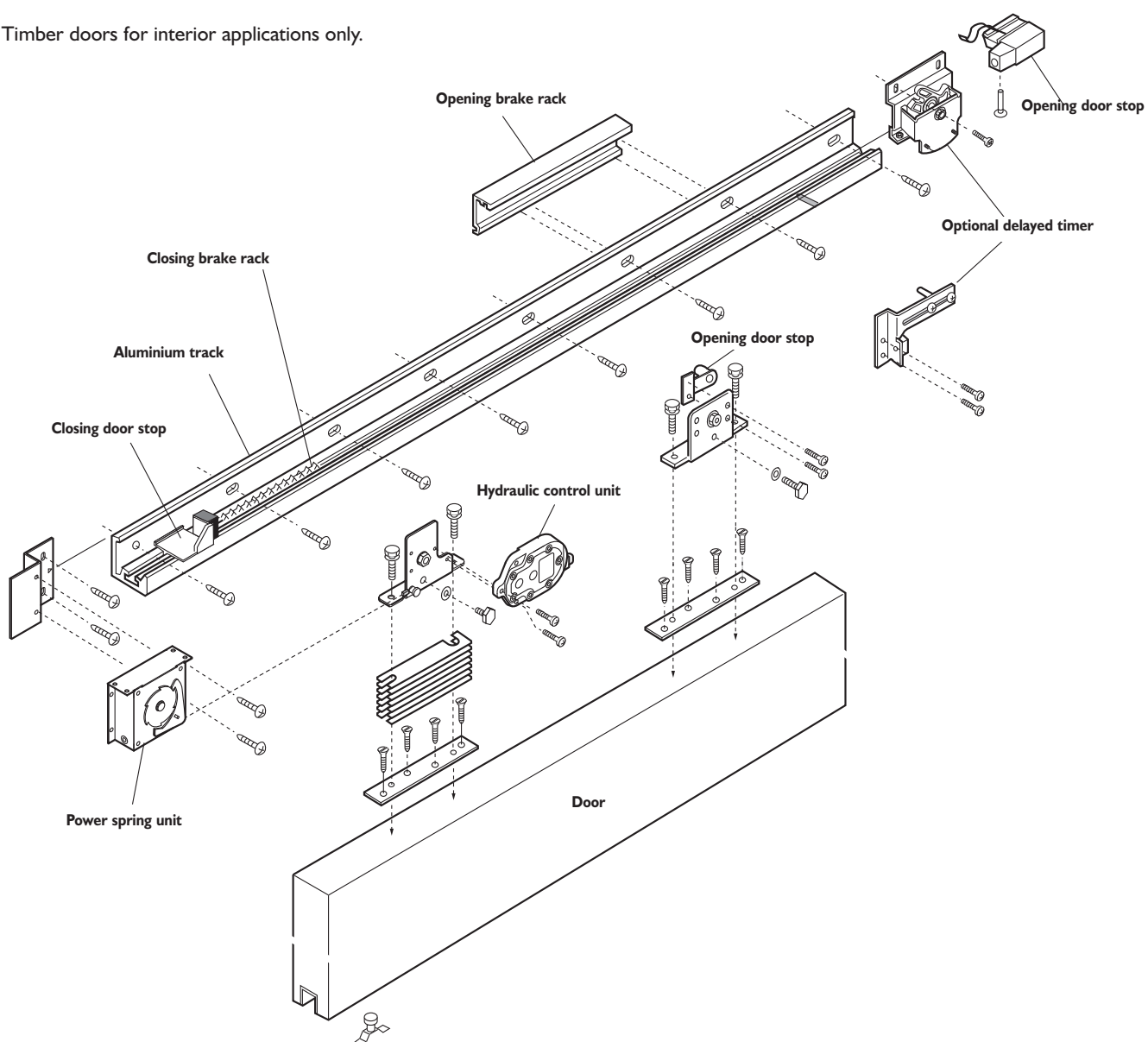
### Product code

SIRRH  
SIRLH  
DELRH  
DELLH  
SIRFAS

### Accessories:

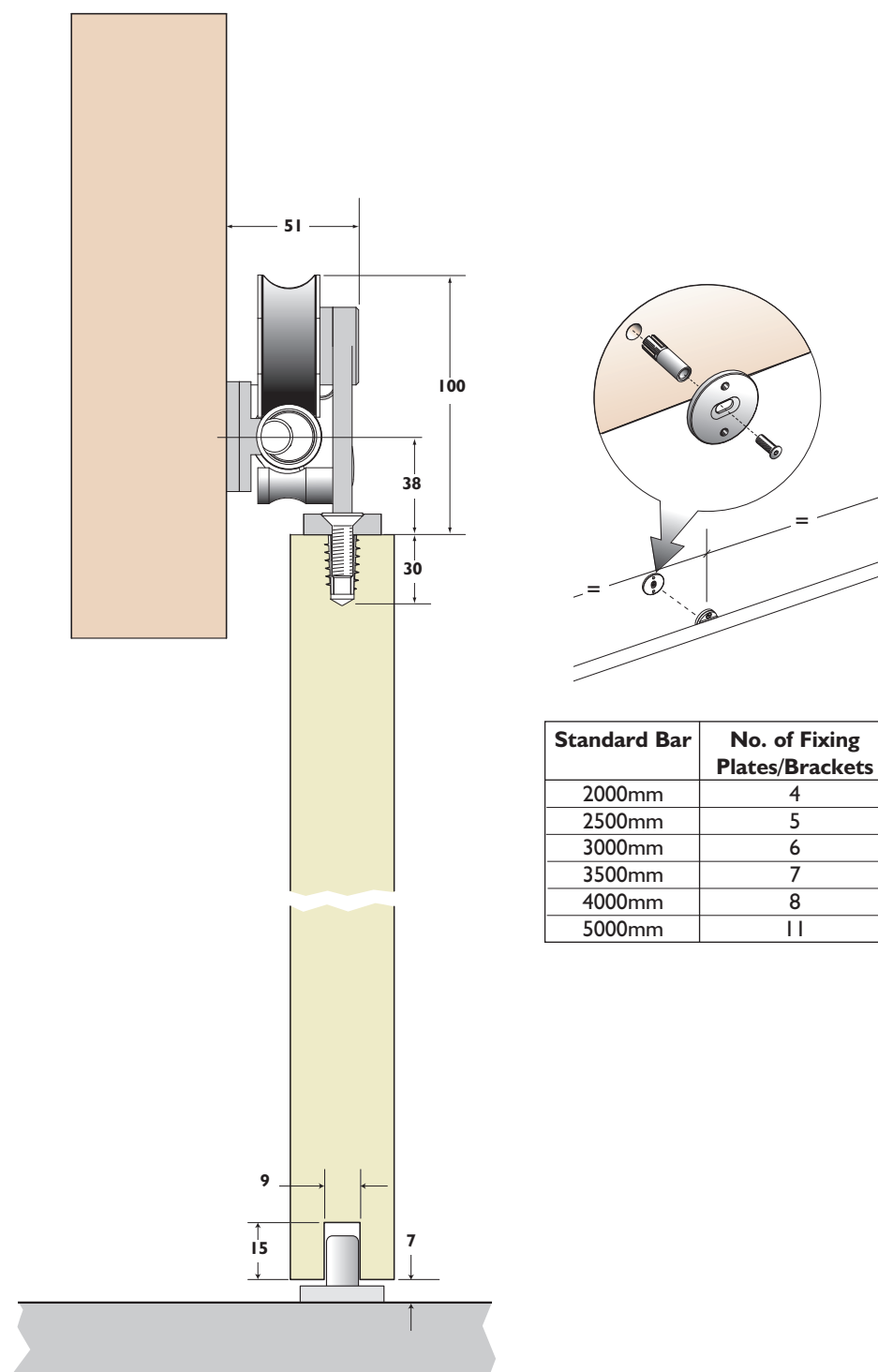
Brake to reduce opening speed to prevent damage to the door and system

Hold open unit giving adjustable time delay before self closing





# STRAIGHT SLIDING SIENNA FOR TIMBER DOORS



## CAPACITY

Maximum door panel weight:	120kg
Minimum door panel thickness:	30mm
Maximum door panel thickness:	70mm
Maximum door panel height:	2500mm
Minimum door panel width:	700mm

## APPLICATIONS

The straight sliding Sienna system is an elegant frameless timber door system that creates a minimalist look. It is designed to accommodate doors of 30-70mm thickness and a weight capacity of 120kg.

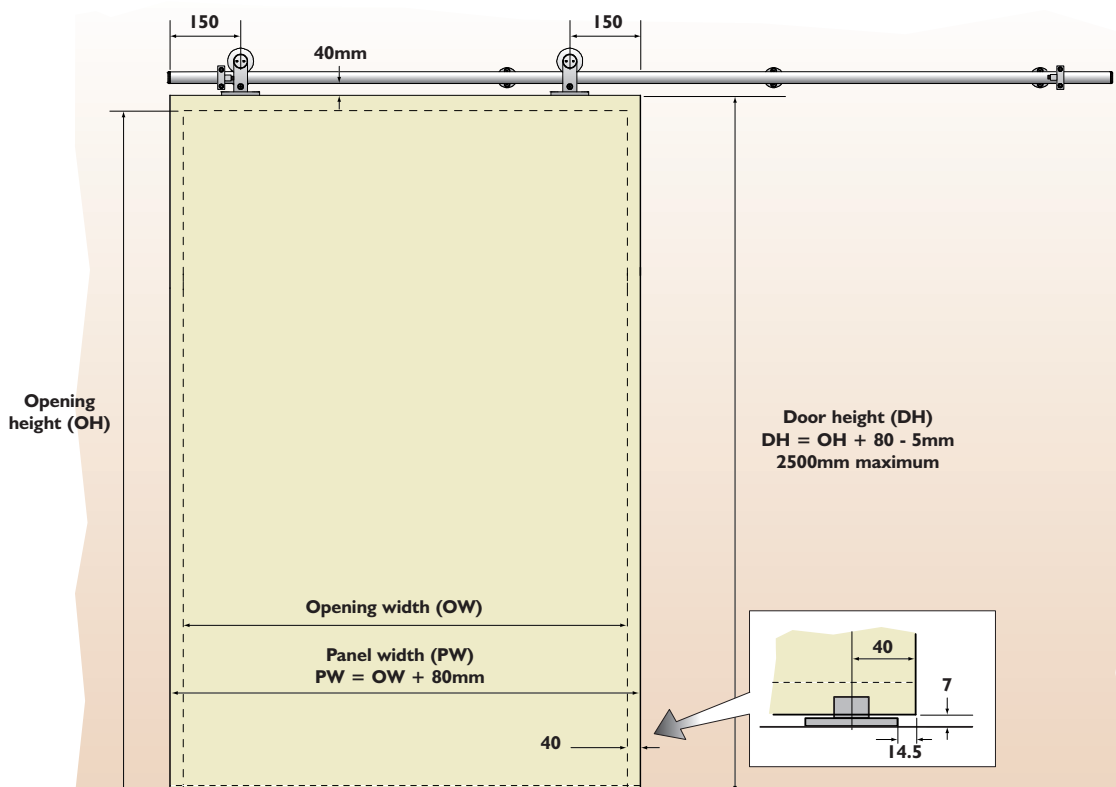
- Rollers are engineered to run effortlessly along a brushed stainless steel tubular track
- Stops are positioned on the track to limit the door travel

## DOOR TYPES

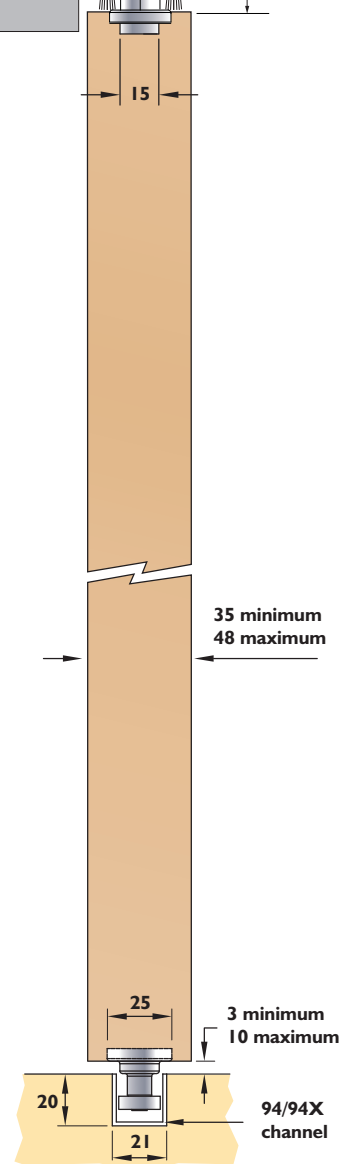
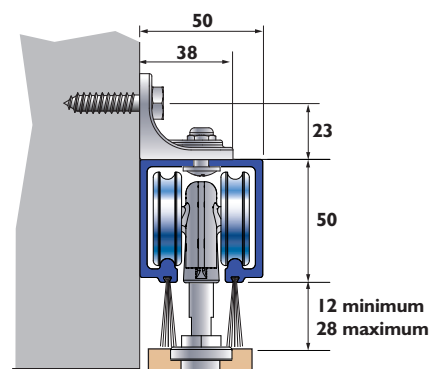
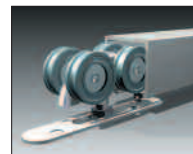
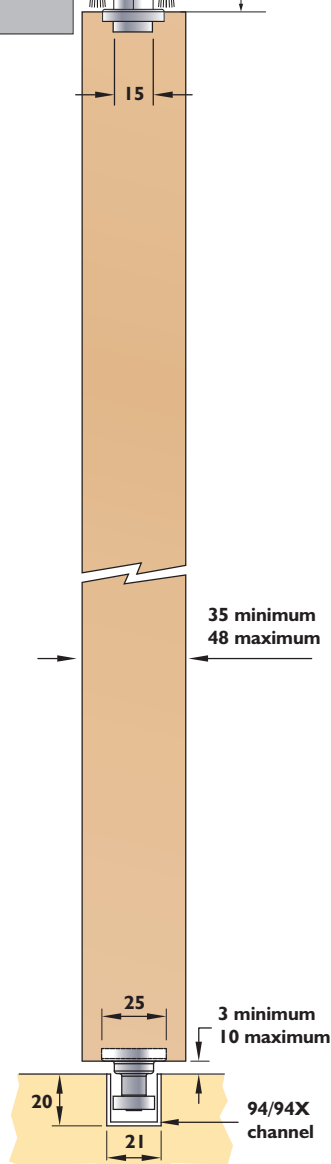
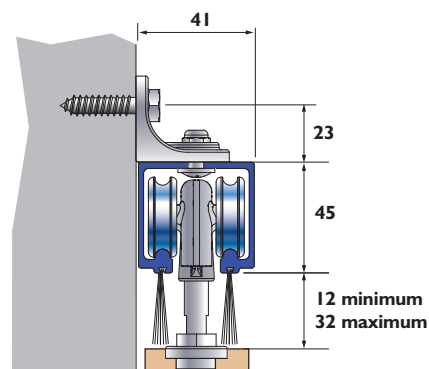
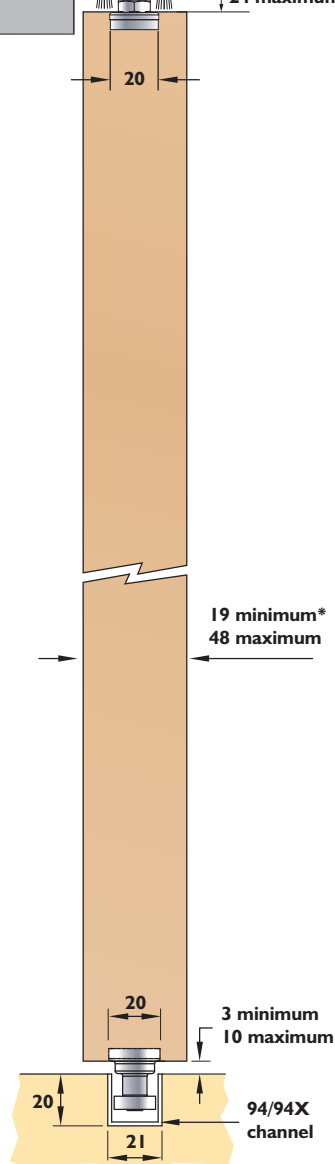
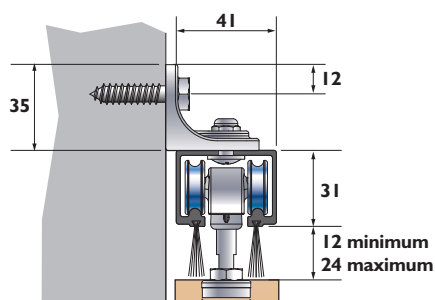
Sliding frameless timber doors.

## TECHNICAL INFORMATION

Basic Kit	2 hangers, 2 door stops, one guide, 2 bar end caps	SN120T
Track/brackets:	Ø25mm stainless steel tubular track (Replace **** with length of track required) Available in standard lengths up to 6m, drilled and pre-assembled with the correct number of wall brackets (see page 8)	25/****T
Guide:	Floor guide	101SS
Door Stop:	Stop	25/UDS
Handle:	Please contact our technical sales team for details on handles	







10

<b>CAPACITY</b>	<b>120</b>	<b>180</b>	<b>250</b>
Maximum panel weight	120 kg	180 kg	250 kg
Maximum panel thickness	48mm	48mm	48mm
Minimum panel thickness	19mm*	35mm	35mm
Maximum panel height	3000mm	3000mm	3300mm

## APPLICATIONS

Soltaire is a top hung straight sliding system designed to accommodate interior and exterior doors of one sliding panel or two bi-parting doors on a single track. Designed for door weights of up to 120kg, 180kg or 250kg the reliable system is extremely durable and ideal for coastal applications, heavy use or areas that require a high level of corrosion resistance.

- Manufactured from high grade 316 stainless steel with anodised aluminum track.
- Hangers available for MDF (120kg only), timber or metal doors.
- The track can be soffit fixed or face fixed to give flexibility of installation.

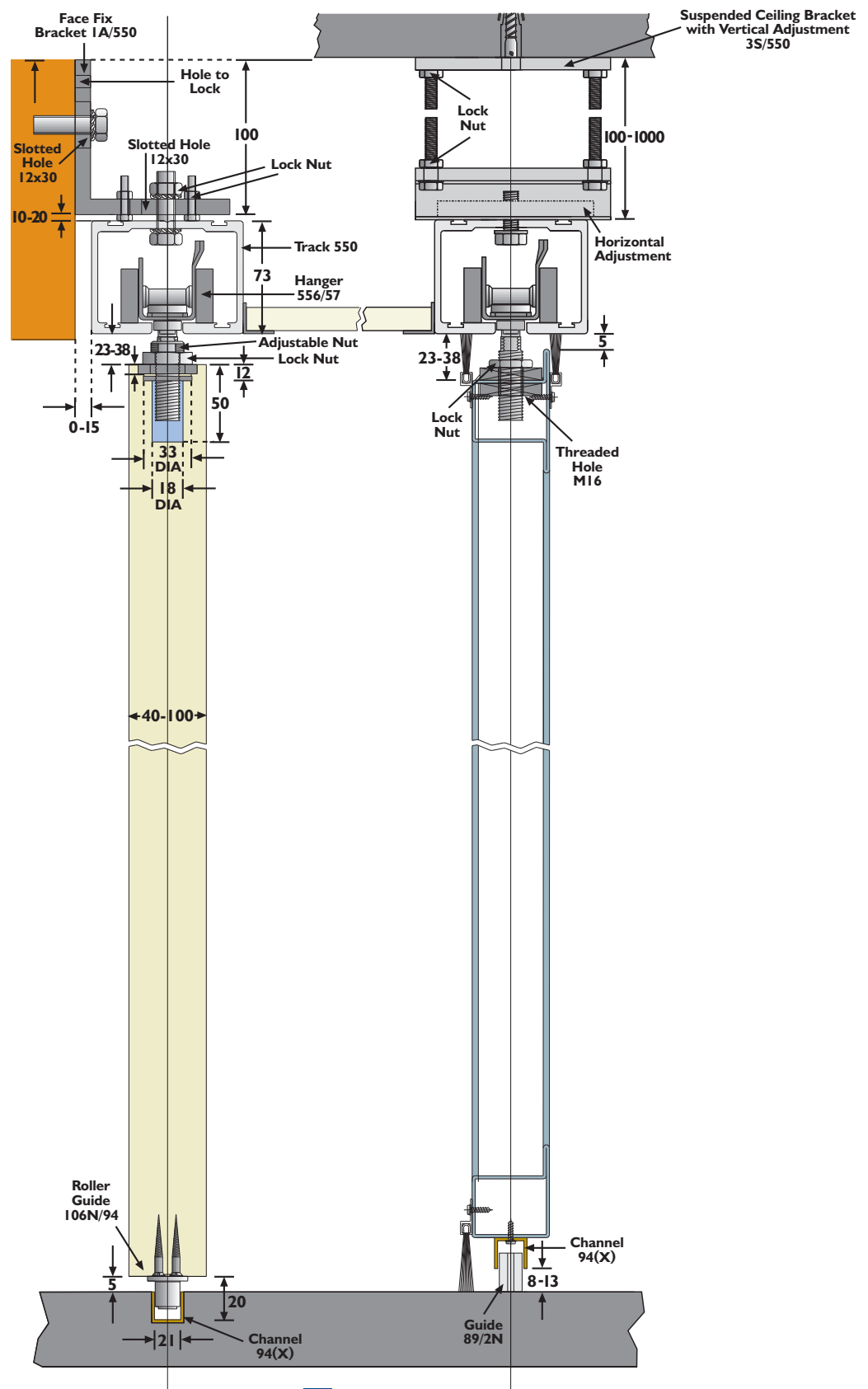
## DOOR TYPES

Timber and metal doors of either angle frame or box section and aluminium extrusion.

<b>TECHNICAL INFORMATION</b>	<b>120</b>	<b>180</b>	<b>250</b>
Track:	Anodised aluminium (25 microns) available in lengths		
	120/2000, 120/2500, 120/3000, 120/4000, 120/5000 & 120/6000	180/2000, 180/2500, 180/3000, 180/4000, 180/5000 & 180/6000	250/2000, 250/2500, 250/3000, 250/4000, 250/5000 & 250/6000
	Soffit fix spacing centres (maximum)	600mm	900mm
Brush strips:	Available in black in 4 brush heights, by the metre		
	BS10, BS15, BS20, BS25(mm)		
Brackets:	Face fixed stainless steel		
	1/SS	1/SS	1/SS
	Double run face fixed stainless steel		
	5/SS	5H/SS	5H/SS
	<i>Starting 20mm from end of track fix at 600mm centres (maximum)</i>		
Hangers:	2 required per door		
	MDF doors - face fixing	52/120/SS	
	Timber doors - top fixed - surface mounted	51/120/SS	
	- (concealed) plate fixing		57/180/SS
	- corner plate fixing	57/120/SS	52/180/SS
	- saddle plate fixing	53/180/SS	53/250/SS
	Metal doors - angle frame door fixing	56/120/SS	56/180/SS
	- box frame fixing		56X/180/SS
	- (concealed) plate fixing		57/180/SS
Guides:	- (concealed) fixing with SS bearing	106 SS/94	106H SS/94
	- nylon saw cut guide	102 N	
	- wall mounted guide	102 SS/94	102 SS/94
	- metal door angle frame guide	104 P/89	
	- box section metal door	104 PX/89	104 PX/89
	- for multiple runs of doors use	102 SS/94	102 SS/94
Channels:	Aluminum (2000, 2500, 3000 & 6000mm lengths)		
	94X	94X	94X
	Brass (1500 & 3000mm length only)	94	94
	Stainless steel (3000mm length only)	89SS	89SS
	Polypropylene channel	94P	94P
	Aluminum supporting channel for polypropylene	94SC	94SC
Track Stop:	HH4/SS	HH5/SS	HH5/SS
Flushbolts:	SF190	SF190	SF190



# FLEXIROL STRAIGHT SLIDING FOR TOP-HUNG TIMBER AND METAL DOORS



## CAPACITY

Maximum door weight: 500kg (556 hanger)

Maximum door height: 6000mm - timber or metal framed

Maximum door width: 6000mm - timber or metal framed

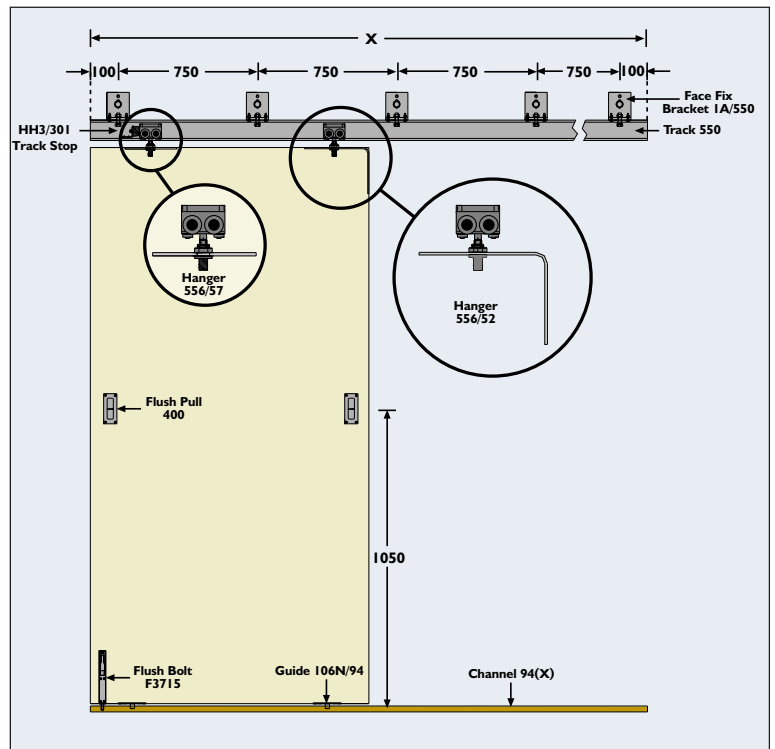
Door thickness: 40-100mm - timber or metal framed

## APPLICATIONS

Henderson straight sliding Flexirol is ideally suited to hotels, conference centres, shop-fronts, showrooms or any site that requires high performance and attractive finish.

## DOOR TYPES

Timber and metal doors of either angle frame or box section and aluminium extrusion.



## TECHNICAL INFORMATION

Track: 550 (see components section for range of finishes)

Brackets: Face fix 1A/550  
Soffit fix 3S/550

Hangers: Metal doors 556  
Timber doors 556/57 - concealed fixing  
Timber doors 556/52 - angle plate fixing

Guides: Timber and metal doors 89/2N  
Timber doors 106N/94  
Metal doors 104N/94  
Metal doors, extended version 104NX/94

Guide Channel: Brass 94  
Aluminium 94X  
Aluminium threshold/guide channel 94T (refer to page 5)

Accessories: Flushpull 400  
Flushbolt SF190, 450 and 600  
Narrow bolt and keep F3715 & F3734  
Trackstop HH3/301







# SECUREFOLD, PACER & FLEXIROL FOLDING DOOR SYSTEMS

The use of folding doors is ideal for interior and, in particular, exterior situations where space is limited or where it is desirable to have the door leaves stacked behind a reveal.

With the Securefold, Pacer and Flexirol folding door systems, flexibility is the key. The range covers everything from internal folding partitions to exterior folding entrance ways.

The Pacer system covers weights up to 75kg per door leaf, Securefold up to 100kg and the Flexirol system has a capacity of up to 125kg. All systems use high performance components that are extremely durable, ensuring a long, trouble-free operating life. When considering internal partition systems, specifiers are provided with the option of either centrefold or endfold configurations.

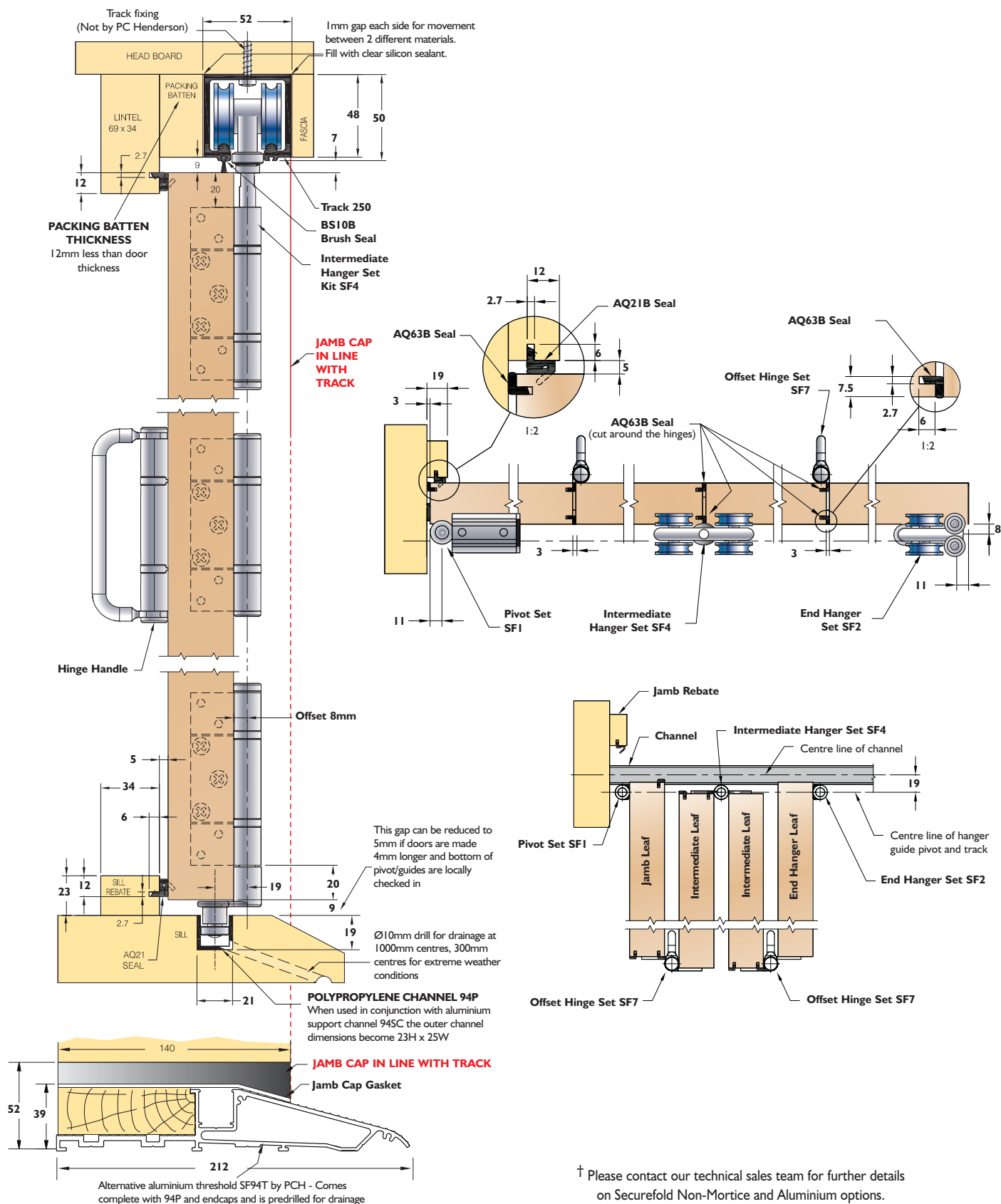
To match the variety of materials used in modern day design, Pacer and Flexirol folding systems cater for doors of glass, timber or metal construction with Securefold specialising as a weatherproof system for timber doors.







# EXTERIOR FOLDING SECUREFOLD FOR TIMBER DOORS<sup>†</sup>



<sup>†</sup> Please contact our technical sales team for further details on Securefold Non-Mortice and Aluminium options.

## CAPACITY

Maximum door height:	3300mm
Maximum door weight:	100kg
Maximum door width:	1000mm
Maximum door thickness:	35-68mm*

\* For doors between 35-44mm use an alternative to standard Flushbolt

## APPLICATIONS

Securefold is the ultimate in exterior folding systems and opens up design to a wealth of new possibilities. The Securefold system has been designed to maximise the flexibility of a room's living space, removing barriers and enabling the user to have an indoor/outdoor experience by fully opening up exterior walls. The system which operates with effortless ease 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 allowing natural light to envelope a room.

## DOOR TYPES

Residential and commercial timber doors.

## TECHNICAL INFORMATION

Track:	250
Material:	Anodised aluminium (anodising 25 microns)
Standard lengths:	2000, 2500, 3000, 3500, 4000, 5000 and 6000mm
Hanger/Hinge/Guide sets:	

Pivot set	SF1
End hanger guide set left hand*	SF2L
End hanger guide set right hand*	SF2R
Hinge set with handle	SF3
Intermediate hanger/hinge/guide set	SF4
Hinge set inward opening	SF5
Hinge set offset inward opening	SF6
Hinge set offset outward opening	SF7
Rebated end hanger/guide set**	SF8
Intermediate pivot hinge***	SF9
Face fix handle (optional)	SF10
Aluminium threshold	SF94T

Channel:	Polypropylene guide channel	94P
	anodised aluminium support channel	94SC

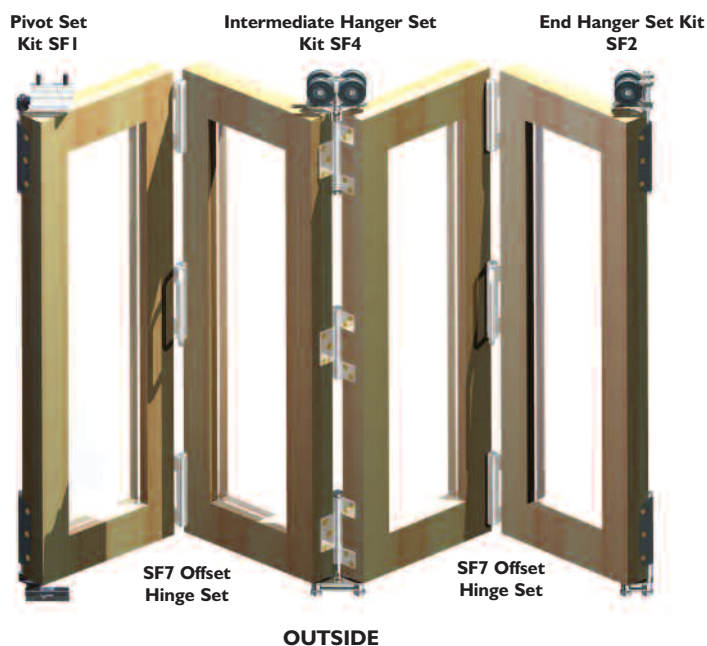
Threshold channel lengths correspond with standard track lengths.

Seals:	Door perimeter seal brown	AQ63B
	Frame perimeter seal brown	AQ21B
	Brush seal-black	BS10B

Accessories:	Lockable and non-lockable Flushbolts available
	190, 450 & 600mm in gold, satin & chrome finish

NOTE:

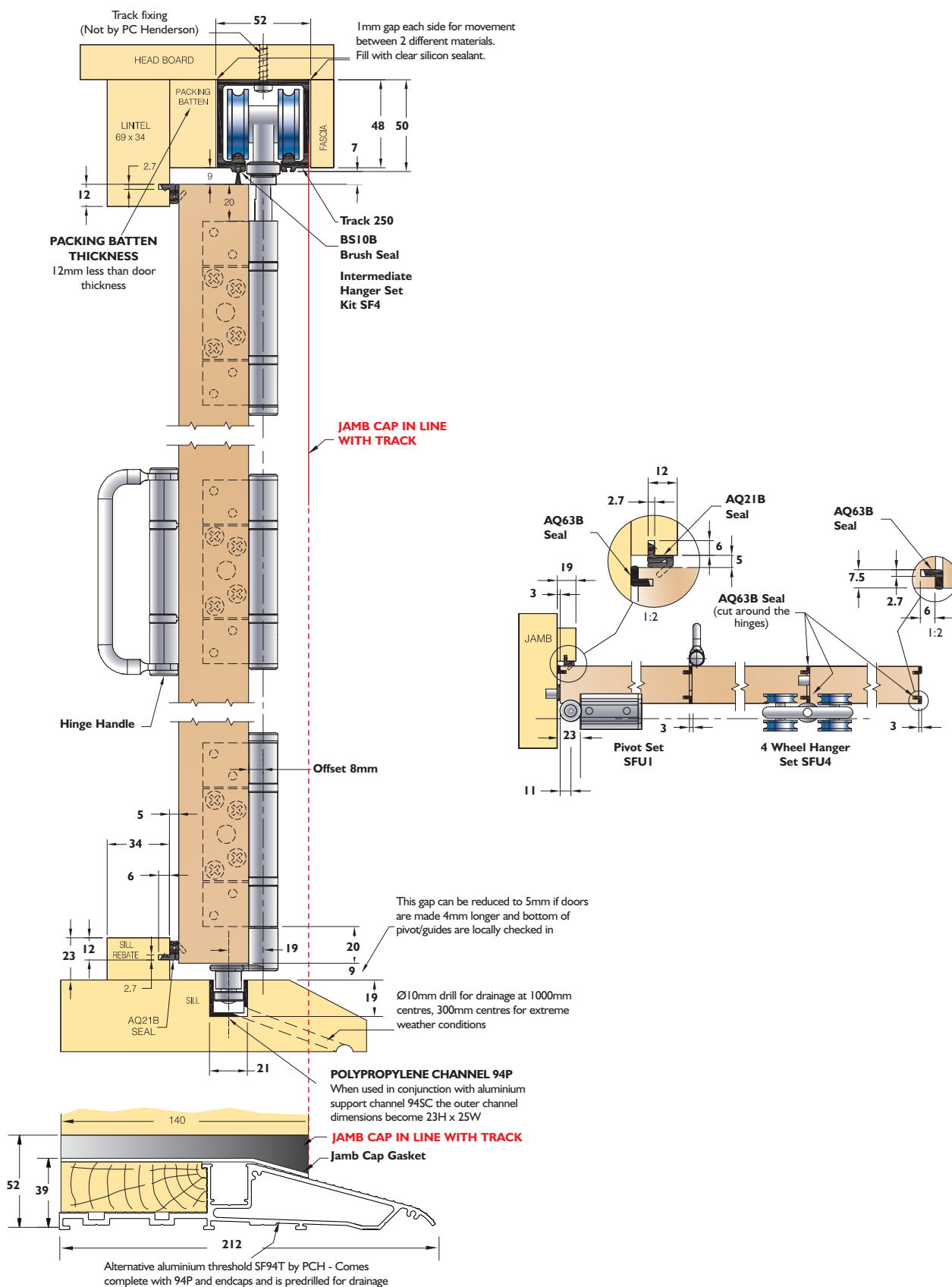
- \* End hanger/guide sets are handed inside looking out.
- \*\* End hanger set for a pair of rebated meeting doors.
- \*\*\* Intermediate pivot hinge for doors above 2200mm







# EXTERIOR FOLDING SECUREFOLD ULTRA FOR TIMBER DOORS



## CAPACITY

Maximum door height:	3300mm
Maximum door weight:	100kg
Maximum door width:	1000mm
Maximum door thickness:	45-68mm

## APPLICATIONS

Securefold Ultra has been tested to the European security standard BS EN 1627:2011 and British standard PAS24. The additional components featured on Securefold Ultra all work together to give uncompromised security and weather resistance unlike any other system currently on the market today



- Enhanced anti-tamper screw system.
- Unique, inter-locking attack resistant hinges.
- 3 points of locking.
- Extruded aluminium flushbolt incorporating 10mm diameter 316 stainless steel bolt.

## DOOR TYPES

Residential and commercial timber doors.

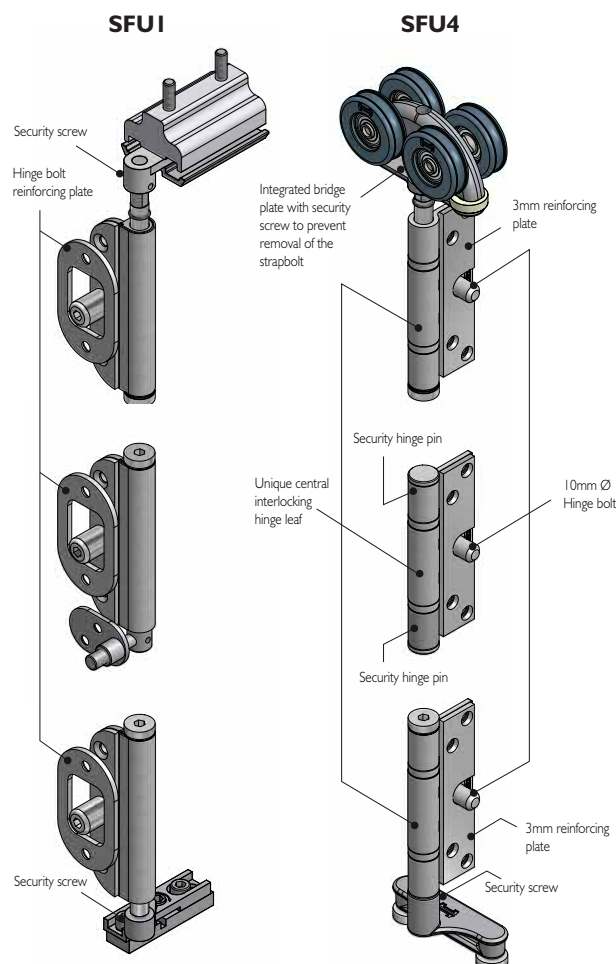
## TECHNICAL INFORMATION

Track:	250
Material:	Anodised aluminium (anodising 25 microns)
Standard lengths:	2000, 2500, 3000, 3500, 4000, 5000 and 6000mm
Hanger/Hinge/Guide sets:	

Pivot set	SFU1
End hanger guide set left hand*	SFU2L
End hanger guide set right hand*	SFU2R
Hinge set with handle	SF3
Intermediate hanger/hinge/guide set	SFU4
Hinge set inward opening	SF5
Hinge set offset inward opening	SF6
Hinge set offset outward opening	SF7
Rebated end hanger/guide set**	SF8
Intermediate pivot hinge***	SFU9
Face fix handle (optional)	SF10
Aluminium threshold	SF94T
Channel:	
Polypropylene guide channel	94P
anodised aluminium support channel	94SC
Threshold channel lengths correspond with standard track lengths.	
Seals:	
Door perimeter seal brown	AQ63B
Frame perimeter seal brown	AQ21B
Brush seal-black	BS10B

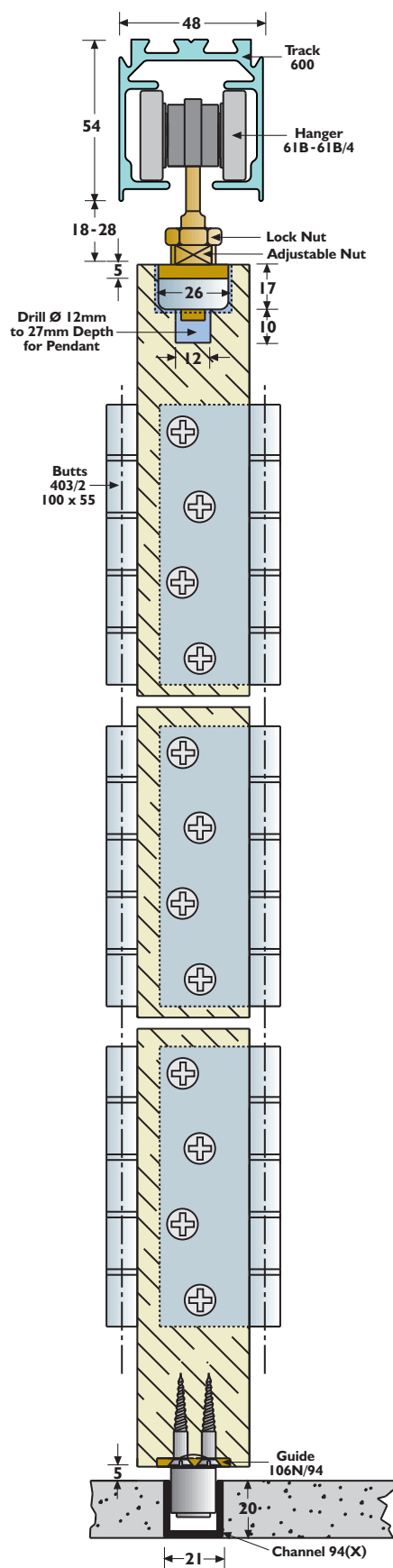
Accessories:	Lockable flushbolts available 190, 450 & 600mm in gold, satin & polished chrome finish
--------------	---

NOTE:	* End hanger/guide sets are handed inside looking out. ** End hanger set for a pair of rebated meeting doors. *** Intermediate pivot hinge for doors above 2200mm
-------	---





# PACER INTERIOR CENTREFOLD FOR TIMBER DOORS



## CAPACITY

Maximum door weight:	35kg (61B hanger) 75kg (61B/4 hanger)
Maximum door height:	2700mm
Maximum door width:	900mm
Door thickness:	35mm-44mm

## APPLICATIONS

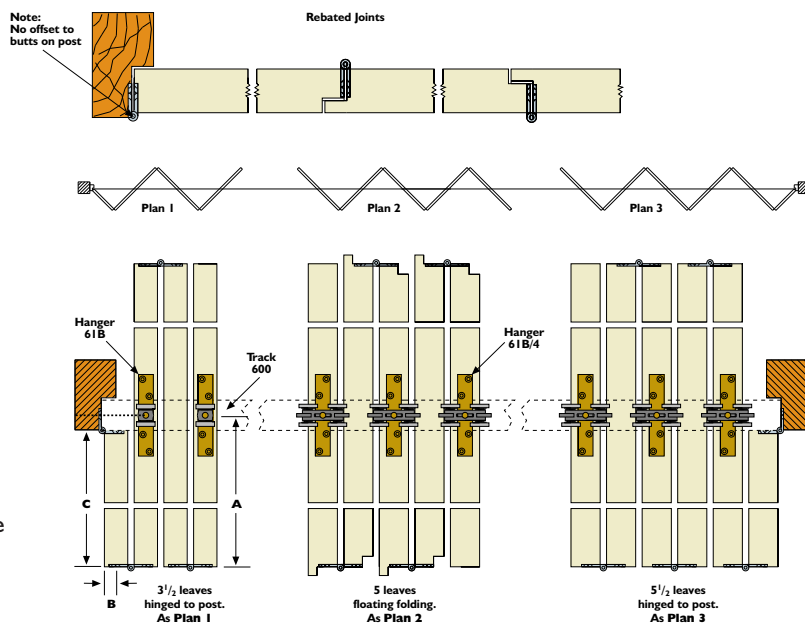
Top-hung Pacer gear and fittings for centre folding timber partition doors. Leaves are hung centrally and can fold to one or both sides. For applications hinged to the jamb, 3 1/2, 5 1/2 or 7 1/2 leaves can be used with the half-leaf hinged to the jamb. For best operation of floating units, 5, 7 or 9 leaves should be used. Any access door should be hinged separately to the jamb.

## DOOR TYPES

Residential and commercial timber doors.

## TECHNICAL INFORMATION

Track:	Anodised aluminium & mill finish options Available in 2000mm, 2500mm, 3000mm, 3500mm, 4000mm and 6000mm lengths	600
Brackets:	Face fix (fixed at 500mm intervals) Jointing bracket	1B 1BX
Hangers:	Two-wheeled hanger Four-wheeled hanger	61B 61B/4
Guides:	Nylon guide roller	106N/94
Guide Channel:	Brass Aluminium Aluminium threshold/guide channel 94 channel available in 1500mm and 3000mm lengths. 94X channel available in 1500mm, 2000mm, 2500mm, 3000mm lengths. Aluminium threshold available in 2000mm, 2500mm, 3000mm, 3500mm, 4000mm and 6000mm lengths.	94 94X 94T
Hinges:	Butt hinges - 100x55	403/2
Accessories:	Flushpull Flushbolts Narrow bolt and keep	400 SF190/450/600 F3715 & F3734



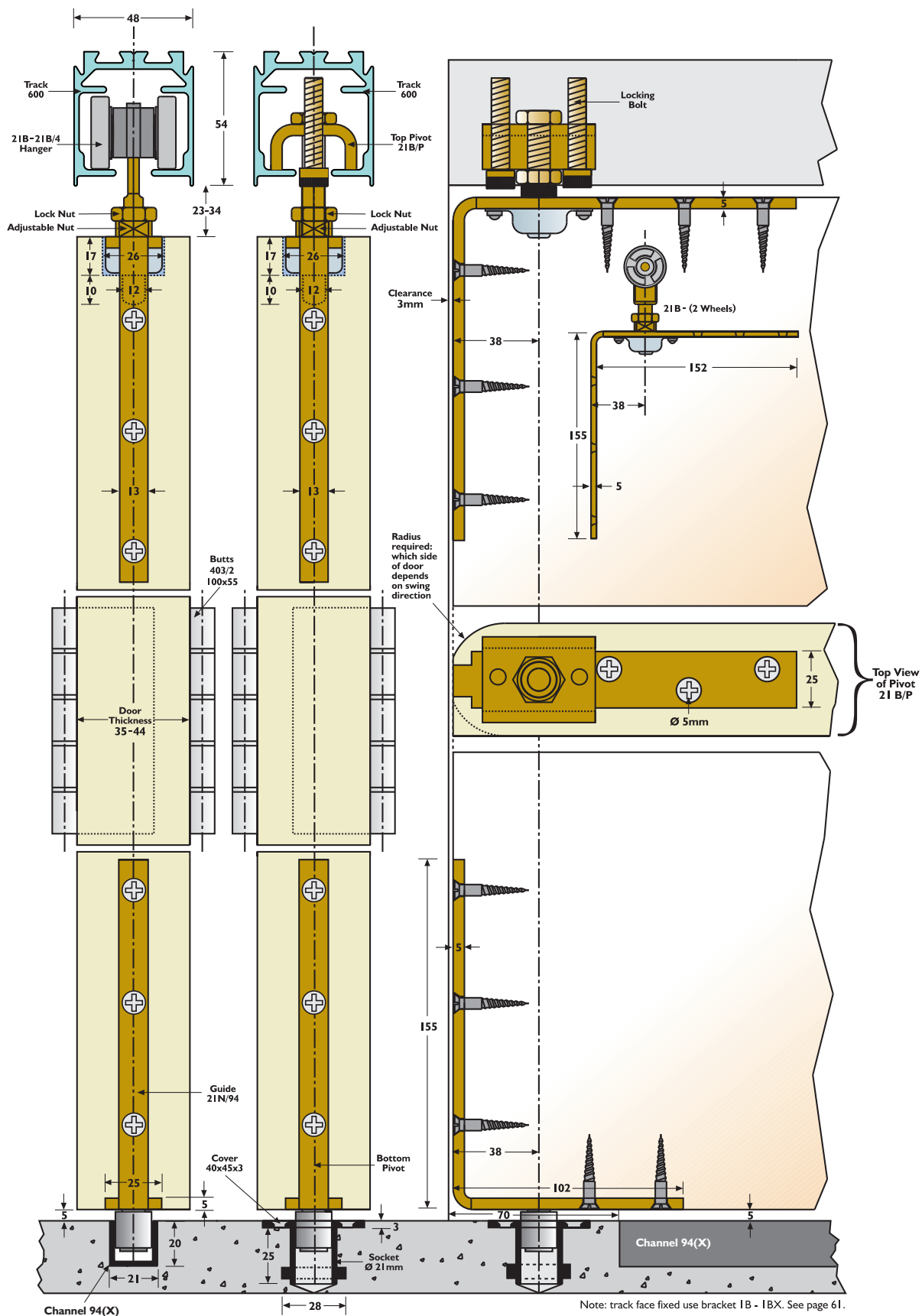
All full leaves are of equal width.  
A pivoting half-leaf (dimension C) is half the width of a full leaf (dimension A), less half of the leaf thickness (dimension B).







# PACER INTERIOR ENDFOLD FOR TIMBER DOORS



## CAPACITY

Maximum door weight:	35kg (2IB hanger)
	65kg (2IB4 hanger)
	65kg (2IBO/4 hanger)
Maximum door height:	2700mm
Maximum door width:	900mm
Door thickness:	35mm-44mm

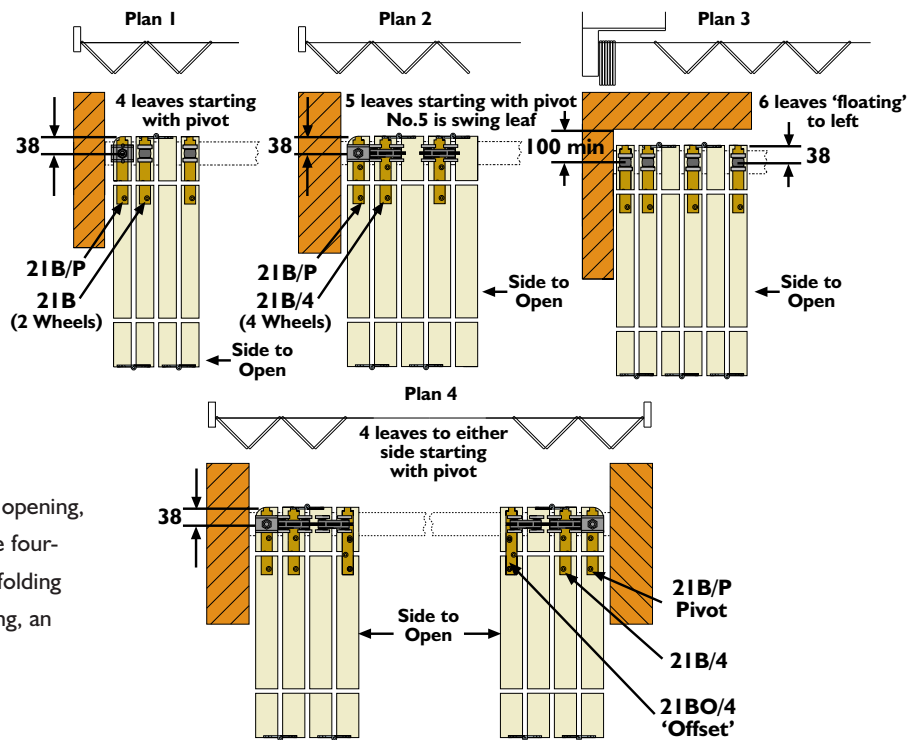
## APPLICATIONS

Pacer Endfold offers both two-wheeled and four-wheeled hangers to cover a wide range of residential and commercial applications.

Leaves can be hung to the left or the right of an opening, or hung as floating units. In applications using the four-wheeled hanger with an even number of leaves folding left and right meeting in the centre of the opening, an offset hanger (2IBO/4) is required (Plan 4).

## DOOR TYPES

Residential and commercial timber doors.



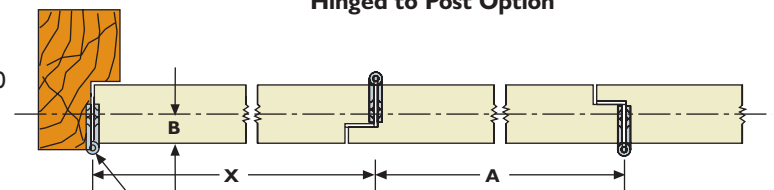
Note: Hangers and guides are to be fitted to alternate leaves only.

## TECHNICAL INFORMATION

Track:	Anodised aluminium & mill finish options Available in 2000mm, 2500mm, 3000mm, 3500mm, 4000mm and 6000mm lengths	600
Brackets:	Face fix (fixed at 500mm intervals) Joining bracket	IB IBX
Hangers:	Two-wheeled hanger Four-wheeled hanger Four-wheeled offset hanger	2IB 2IB/4 2IBO/4
Pivots:	For door widths between 35-44mm	2IB/P
Guides:	Nylon end guide roller	2IN/94
Guide Channel:	Brass Aluminium Aluminium threshold/guide channel	94 94X 94T
Hinges:	Butt hinges - 100x55	403/2
Accessories:	Flushpull Flushbolts Narrow bolt and keep	400 SF190/450/600 F3715 & F3734

Note: Using a pivot allows leaves to be of equal width.

### Hinged to Post Option



Note: Butt hinges on posts are not offset

All leaves are of equal width except the leaf hinged to the post.  
The dimension for the leaf hinged to the post (X) is,  
A, less B (half the leaf thickness), less 38mm.

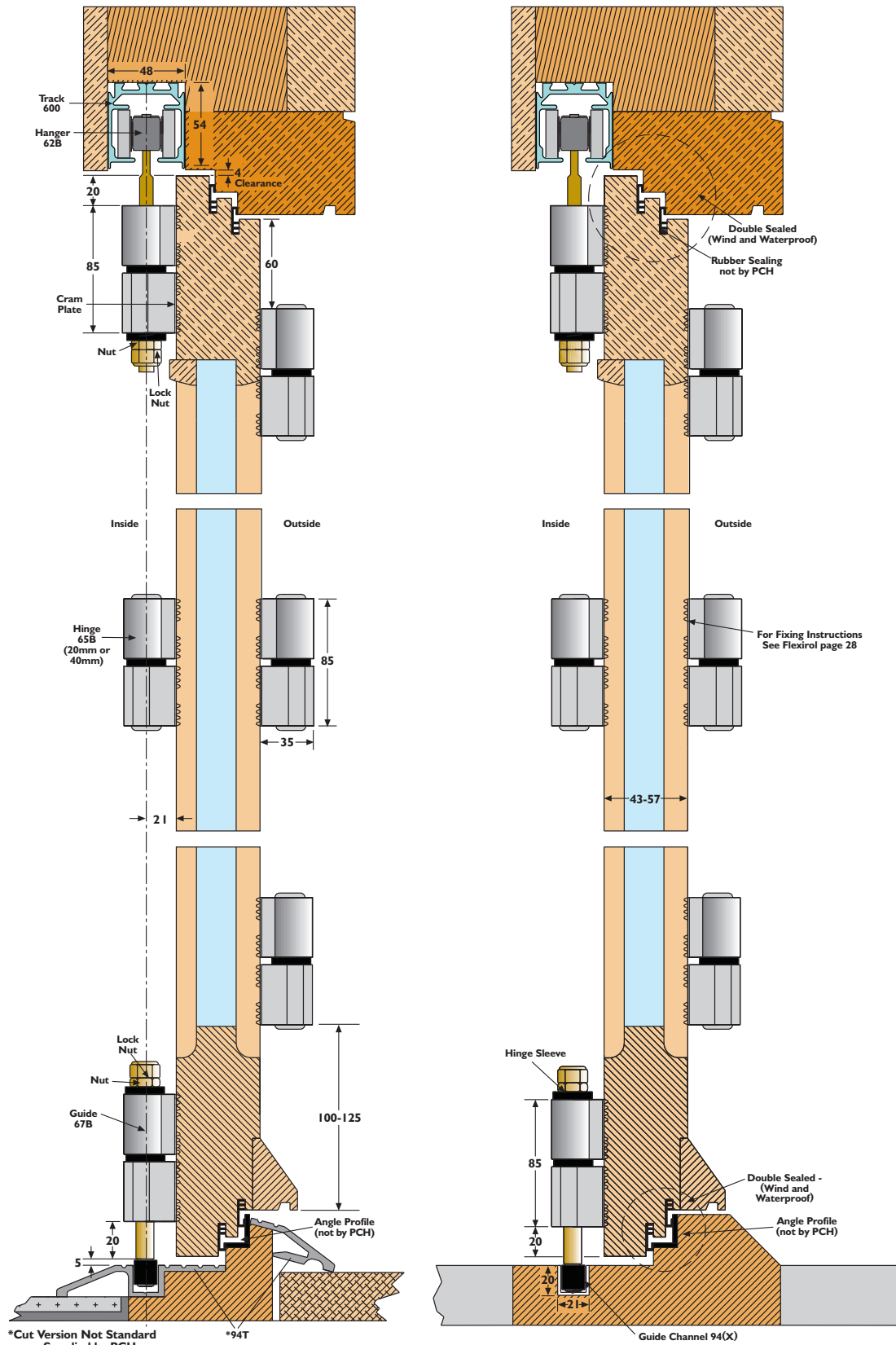
Formula:  $X = (A - B) - 38\text{mm}$



# PACER EXTERIOR

# ENDFOLD

# FOR TIMBER DOORS



## CAPACITY

Maximum door weight:	65kg
Maximum door height:	3000mm
Maximum door width:	900mm
Door thickness:	35mm-50mm

## APPLICATIONS

Top-hung Pacer gear for end folding exterior doors in timber. Pacer Endfold offers four-wheeled hangers with offset option to cover a wide range of residential and commercial applications. In applications using the four-wheeled hanger with an even number of leaves folding left and right meeting in the centre of the opening, an offset hanger is required.

## DOOR TYPES

Residential and commercial timber doors.

## TECHNICAL INFORMATION

Track: Anodised aluminium & mill finish options  
Available in 2000mm, 2500mm, 3000mm, 3500mm, 4000mm and 6000mm lengths

Brackets: Face fix (fixed at 500mm intervals)  
Joining track

Hangers: Intermediate hanger for timber doors with  
148mm strapbolt, no hinge  
End hanger for timber doors with  
104mm strapbolt, no hinge  
Offset end hanger for all doors with  
114mm strapbolt, no hinge

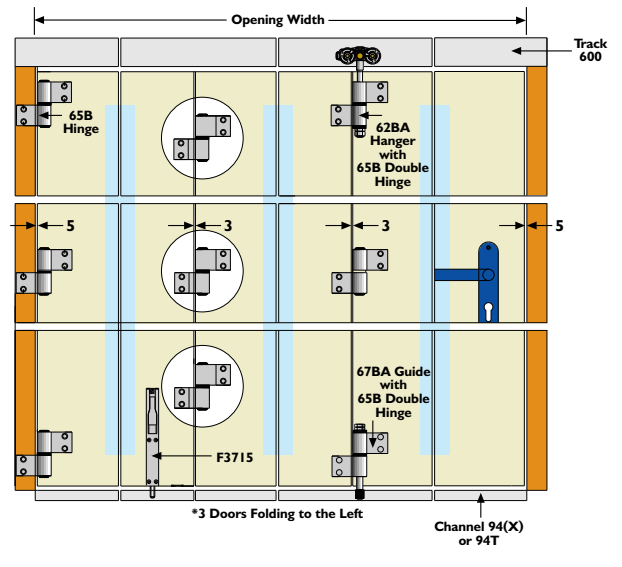
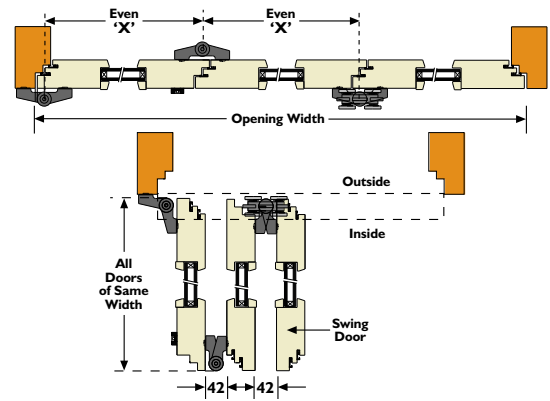
Guides: Intermediate guide for timber doors with  
150mm spindle, no hinge  
End guide for timber doors with  
110mm spindle, no hinge

Guide Channel: Brass  
Aluminium  
Aluminium threshold/guide channel

Hinges:† 20mm single hinge for timber doors  
20mm double hinge for timber doors  
40mm single hinge for timber doors  
40mm double hinge for timber doors  
20-40mm double hinge for timber doors

Accessories: Flushpull  
Flushbolts  
Narrow bolt and keep  
Aluminium door mounting kit

† Refer to page 40 for hinge installation.



600

IB

IBX

62BA/148

63BA/104

63BOA/114

67BA/150

68BA/110

94

94X

94T

65B/20/1

65B/20

65B/40/1

65B/40

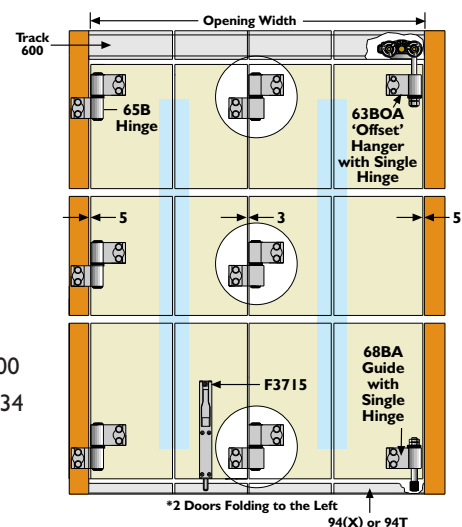
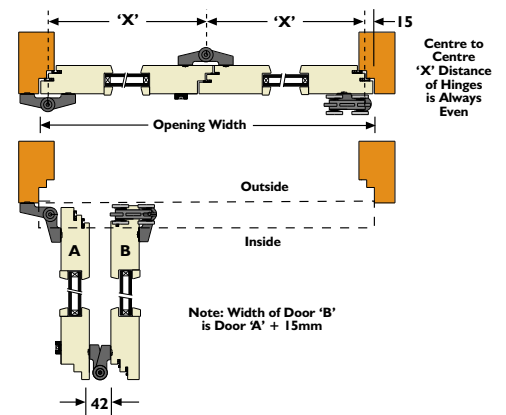
65B/20-40

400

SF190/450/600

F3715 & F3734

60B



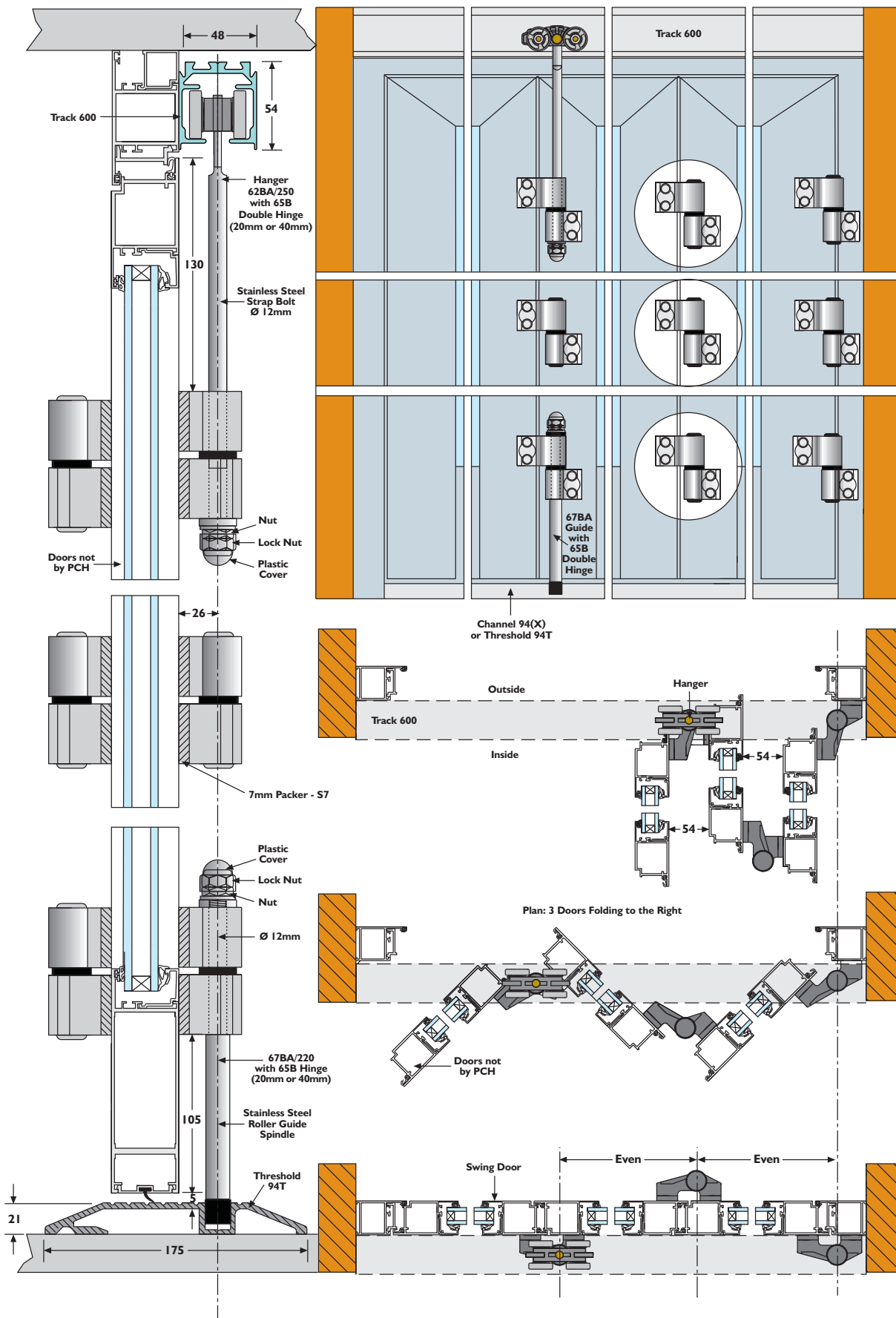
\* For other options see Guide to Quantities, pages 47-54



Hinges for hangers and guides must be ordered separately. Use a single hinge for end hangers and guides, double hinge for intermediate hangers and guides.



# PACER EXTERIOR ENDFOLD FOR ALUMINIUM DOORS





## CAPACITY

Maximum door weight:	65kg
Maximum door height:	3000mm
Maximum door width:	900mm
Door thickness:	35mm-50mm

## APPLICATIONS

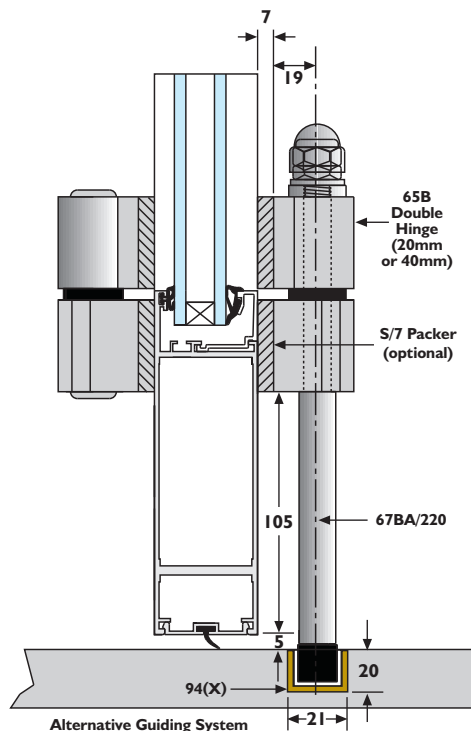
Top-hung Pacer gear for end folding exterior doors in aluminium. Pacer Endfold offers four-wheeled hangers with an offset option to cover a wide range of residential and commercial applications. In applications with an even number of leaves folding left and right meeting in the centre of the opening, an offset hanger is required.

## DOOR TYPES

Pacer Exterior Endfold is suitable for both residential and commercial aluminium doors. **Fixing components are not supplied as standard for aluminium doors.**

## TECHNICAL INFORMATION

Track:	Anodised aluminium & mill finish options Available in 2000mm, 2500mm, 3000mm, 3500mm, 4000mm and 6000mm lengths
Brackets:	Face fix (fixed at 500mm intervals) Joining track
*Hangers:	Intermediate hanger for aluminium doors with no hinge 148mm/250mm strapbolt  End hanger for aluminium doors with no hinge 104mm/205mm strapbolt  Offset end hanger for all doors with no hinge 114mm strapbolt
*Guides:	Intermediate guide for aluminium doors with no hinge 150mm/220mm spindle  End guide for aluminium doors with no hinge 110mm/180mm spindle
Guide Channel:	Brass Aluminium Aluminium threshold/guide channel
† Hinges:	20mm single hinge for timber doors 20mm double hinge for timber doors 40mm single hinge for timber doors 40mm double hinge for timber doors 20-40mm double hinge for timber doors
Accessories:	Flushpull Narrow bolt and keep Aluminium door mounting kit 7mm packer (optional, depending on frame and track layout)

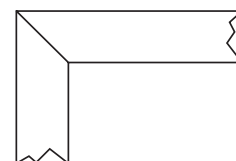
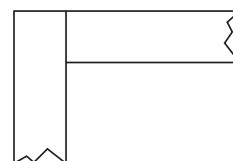


600

### Squared Joint

### Mitred Joint

IB  
IBX



62BA/148

62BA/250

63BA/104

63BA/205

63BOA/114

63BOA/114

67BA/150

67BA/220

68BA/110

68BA/180

94

94X

94T

65B/20/1

65B/20

65B/40/1

65B/40

65B/20-40

400

F3715 & F3734

60B

S/7

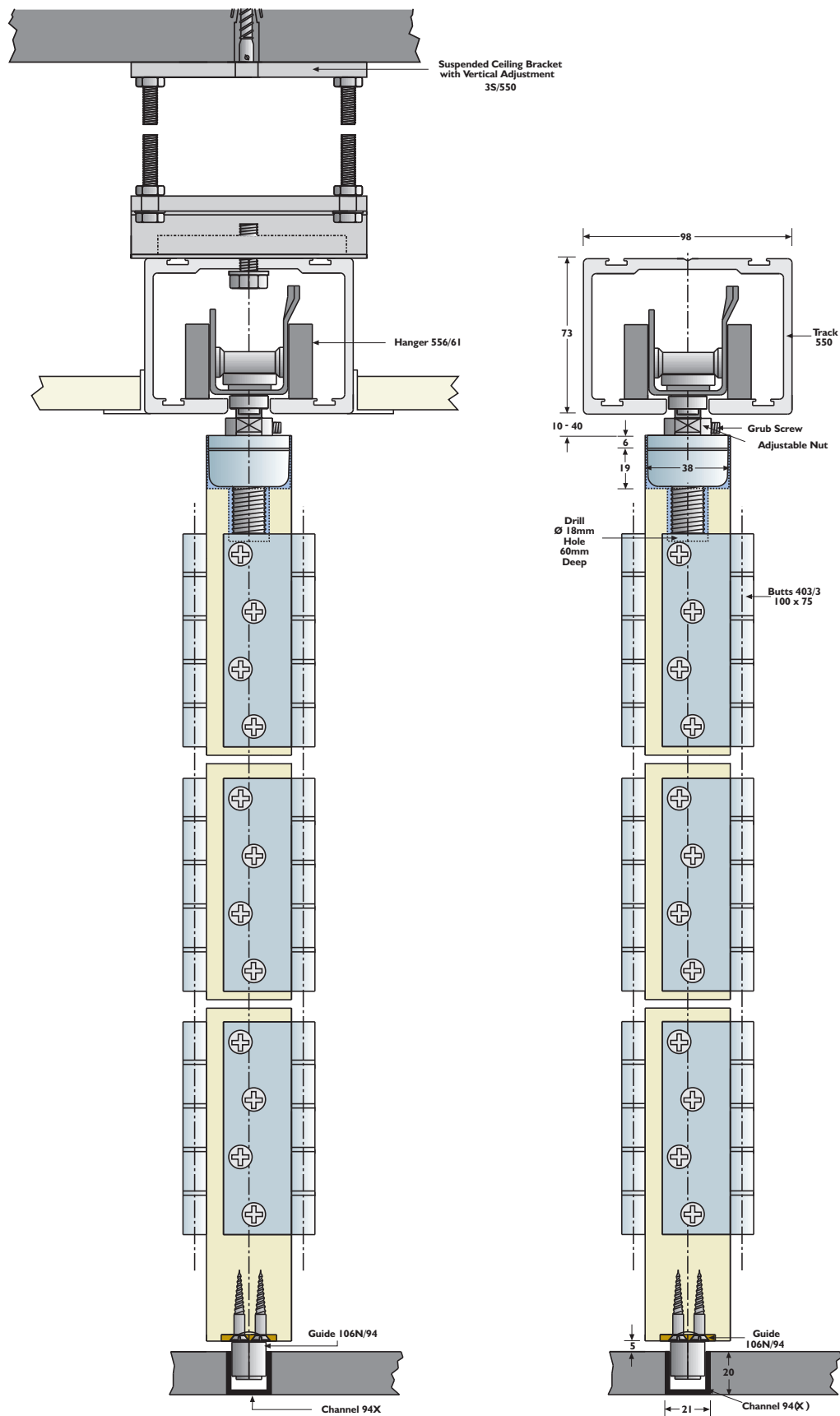


Hinges for hangers and guides must be ordered separately. Use a single hinge for end hangers and guides, double hinge for intermediate hangers and guides.

\* All with stainless steel strapbolt/spindle.

† For aluminium doors use in conjunction with a 60B mounting kit. Consult with PCH Technical Department for extrusion compatibility.

# FLEXIROL INTERIOR CENTREFOLD FOR TIMBER DOORS



## CAPACITY

Maximum door weight:	125kg
Maximum door height:	4500mm
Maximum door width:	1200mm
Door thickness:	43mm-57mm

## APPLICATIONS

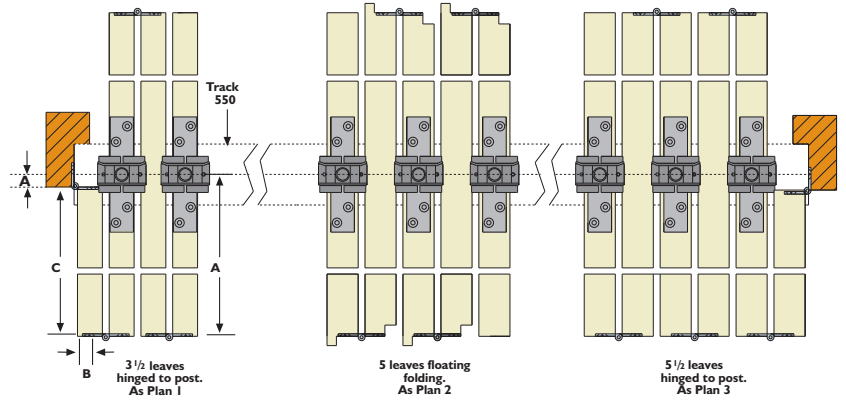
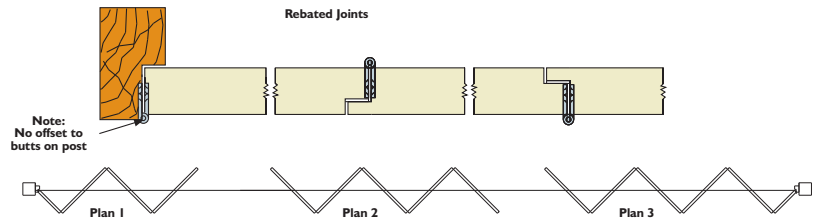
Top-hung Flexirol gear and fittings for centre folding timber partition doors. Leaves are hung centrally and can fold to one or both sides. For applications hinged to the jamb,  $3\frac{1}{2}$ ,  $5\frac{1}{2}$  or  $7\frac{1}{2}$  leaves can be used with the half-leaf hinged to the jamb. For best operation of floating units, 5, 7 or 9 leaves should be used. Any access door should be hinged separately to the jamb.

## DOOR TYPES

Heavy commercial timber doors.

## TECHNICAL INFORMATION

Track:	550 (see components section for range of finishes)
Brackets:	Face fix (fixed at 500mm intervals) 1A/550 Soffit fix 3S/550
Hangers:	Timber doors 556/61
Guides:	Nylon roller guide 106N/94
Guide Channel:	Brass 94 Aluminium 94X Aluminium threshold/guide channel 94T
Hinges:	Butt hinges - 100x75 403/3
Accessories:	Flushpull 400 Flushbolts SF190/450/600 Narrow bolt and keep F3715 & F3734



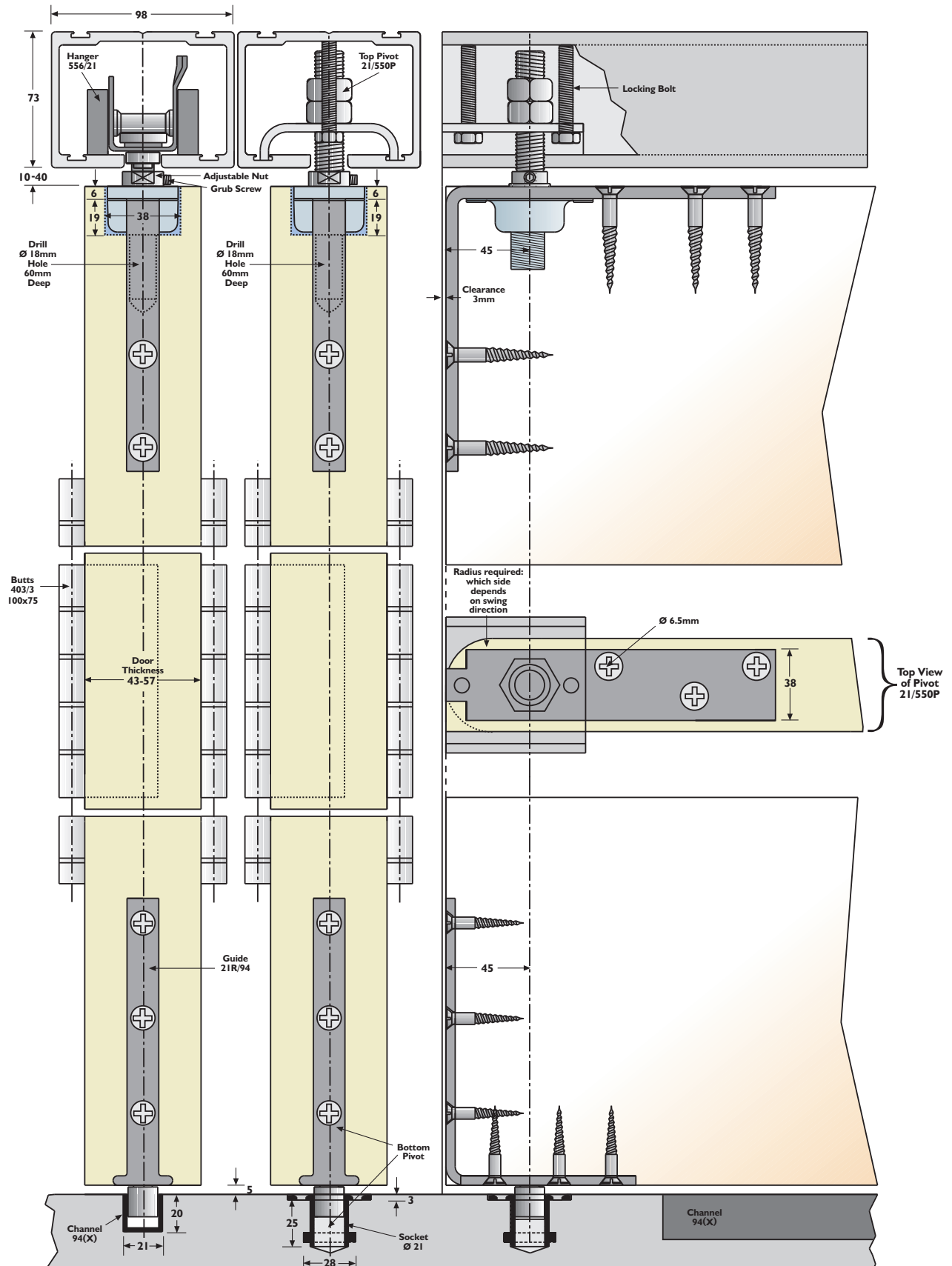
All full leaves are of equal width.

A pivoting half-leaf (dimension C) is half the width of a full leaf (dimension A), less half of the leaf thickness (dimension B).

Note: Hangers and guides are to be fitted to alternate leaves only.



# FLEXIROL INTERIOR ENDFOLD FOR TIMBER DOORS



## CAPACITY

Maximum door weight:	125kg
Maximum door height:	4500mm
Maximum door width:	1200mm
Door thickness:	43mm-57mm

## APPLICATIONS

Top-hung Flexirol gear and fittings for end folding timber partition doors. Leaves can be hung to the left or right of an opening or hung as floating units.

## DOOR TYPES

Heavy commercial timber doors.

## TECHNICAL INFORMATION

Track: 550 (see component section for range of finishes)

Brackets: Face fix  
(fixed at 500mm max.intervals)  
Soffit fix

Hangers: Timber doors

Pivots: Timber doors

Guides: Brass end guide roller

Guide Channel: Brass  
Aluminium  
Aluminium threshold/guide channel

Hinges: Butt hinges - 100x75

Accessories: Flushpull  
Flushbolts  
Narrow bolt and keep

1A/550

3S/550

556/21

21/550P

21R/94

94

94X

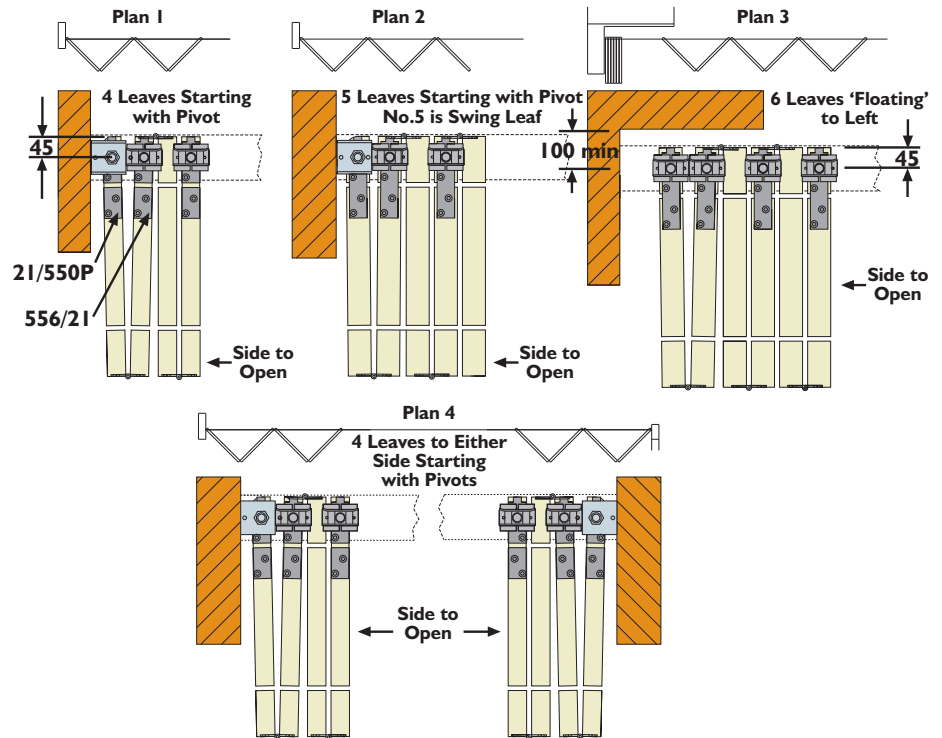
94T

403/3

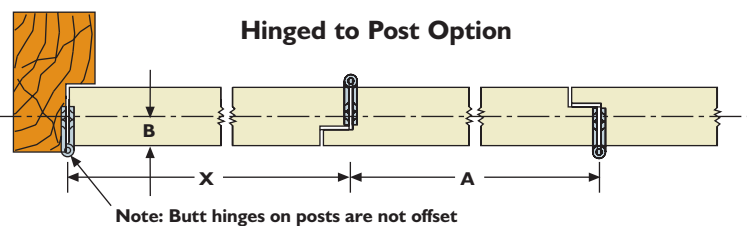
400

SF190/450/600

F3715 & F3734



Note: Hangers and guides are to be fitted to alternate leaves only.



Note: Butt hinges on posts are not offset

All leaves are of equal width except the leaf hinged to the post.  
The dimension for the leaf hinged to the post (X) is,  
A, less B (half the leaf thickness), less 45mm.

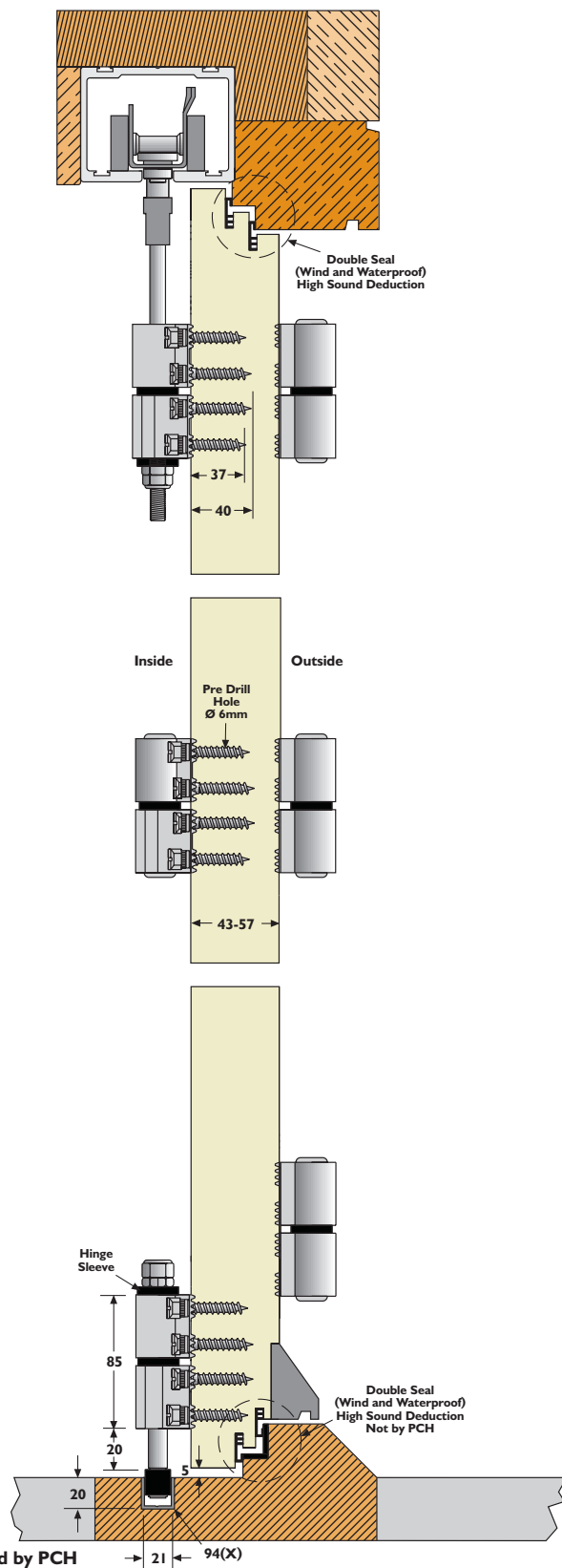
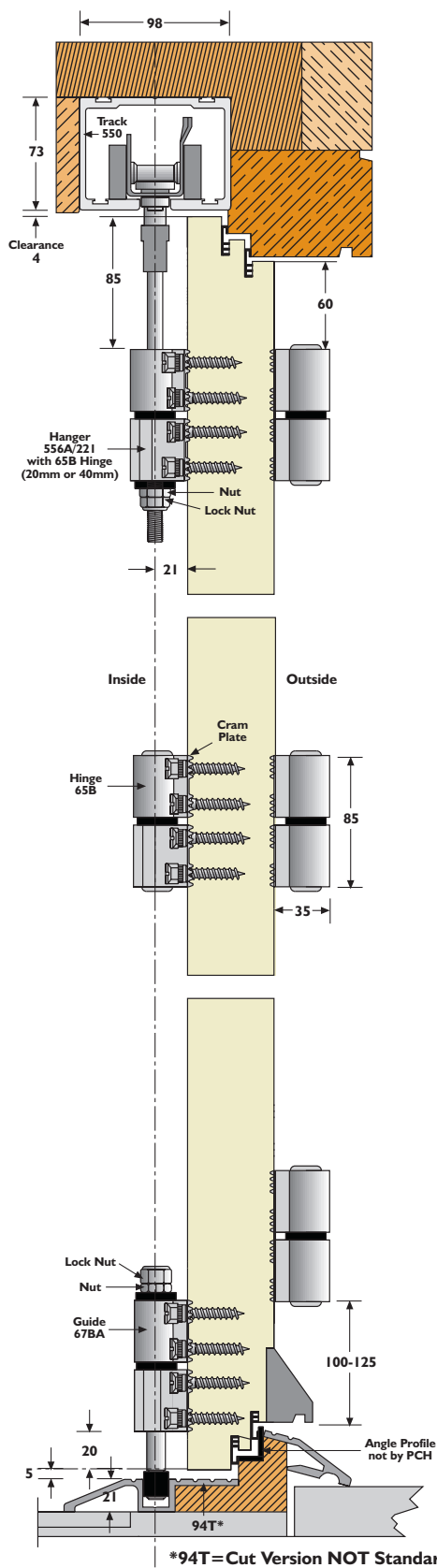
Formula:  $X = (A - B) - 45\text{mm}$







# FLEXIROL EXTERIOR ENDFOLD FOR TIMBER DOORS



## CAPACITY

Max. door weight: 125kg  
 Max. door height: 4500mm  
 Max. door width: 1200mm  
 Door thickness: 43mm-57mm

## APPLICATIONS

Top-hung Flexirol gear and fittings for heavy end folding timber doors. Leaves can be hung to the left or right of an opening.

## DOOR TYPES

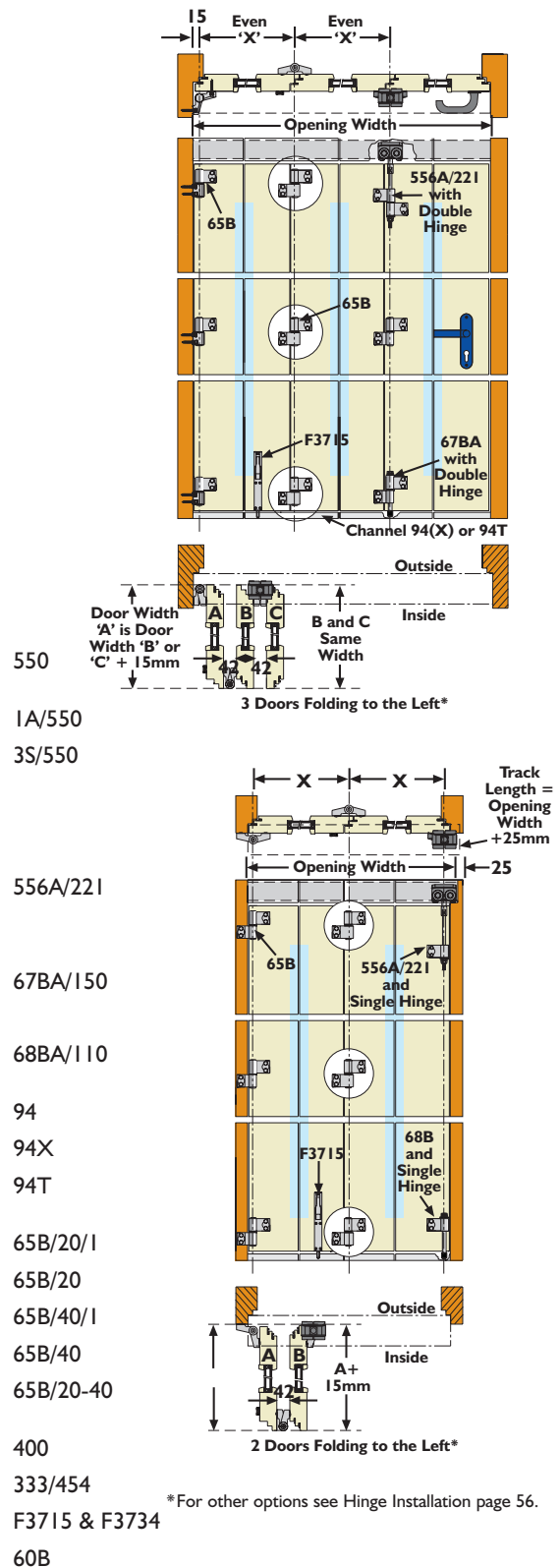
Heavy commercial timber doors.

## TECHNICAL INFORMATION

Track:	Aluminium
Brackets:	Face fix (fixed at 500mm intervals) Joining track
Hangers:	Intermediate or end hanger for timber/ aluminium doors with 221mm strapbolt, no hinge
Guides:	Intermediate guide for timber doors with 150mm spindle, no hinge End guide for timber doors with 110mm spindle, no hinge
Guide Channel:	Brass Aluminium Aluminium threshold/guide channel
Hinges:†	20mm single hinge for timber doors 20mm double hinge for timber doors 40mm single hinge for timber doors 40mm double hinge for timber doors 20-40mm double hinge for timber doors
Accessories:	Flush pull Flush bolts Narrow flush bolt and keep Aluminium door mounting kit

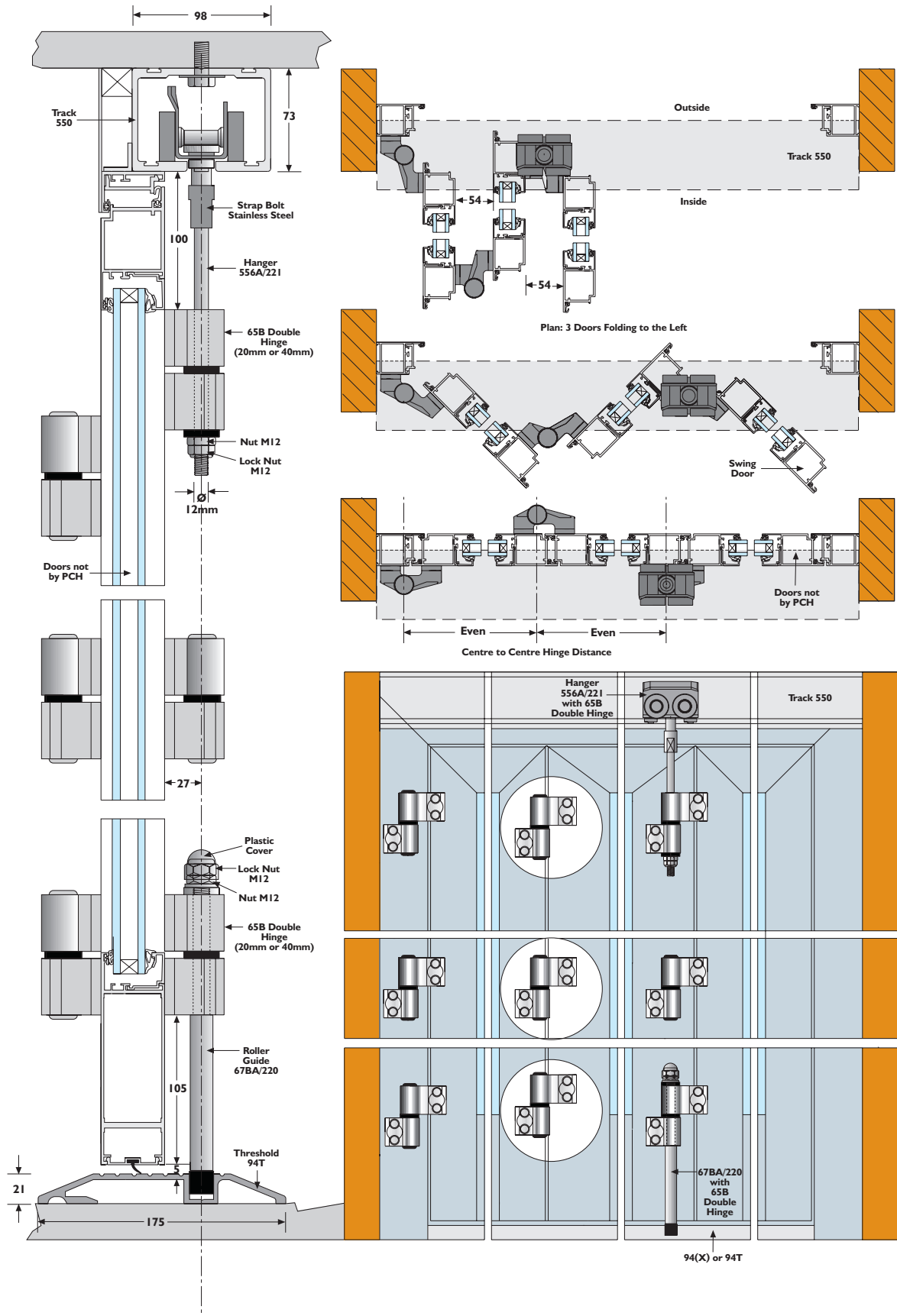
\* All with stainless steel strapbolt/spindle.

† Refer to page 60 for hinge installation.



Hinges for hangers and guides must be ordered separately. Use a single hinge for end hangers and guides, double hinge for intermediate hangers and guides.

# FLEXIROL EXTERIOR ENDFOLD FOR ALUMINIUM DOORS



## CAPACITY

Maximum door weight:	125kg
Maximum door height:	4500mm
Maximum door width:	1200mm
Door thickness:	43mm-57mm

## APPLICATIONS

Top-hung Flexirol gear and fittings for end folding aluminium doors. Leaves can be hung to the left or right of an opening.

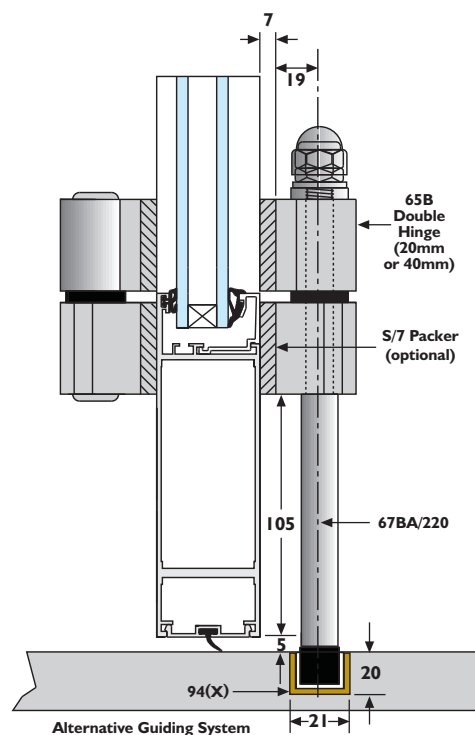
## DOOR TYPES

Flexirol Exterior Endfold is suitable for aluminium doors.

**Fixing components are not supplied as standard for aluminium doors.**

## TECHNICAL INFORMATION

Track:	Aluminium	550
Brackets:	Face fix (fixed at 500mm intervals) Joining track	1A/550 3S/550
*Hangers:	Intermediate or end hanger for timber/ aluminium doors with 221 mm strapbolt, no hinge	556A/221
*Guides:	Intermediate guide for aluminium with 150mm spindle, no hinge End guide for aluminium doors with 110mm spindle, no hinge	67BA/220 68BA/180
Guide Channel:	Brass Aluminium Aluminium threshold/guide channel	94 94X 94T
Hinges:†	20mm single hinge for timber doors 20mm double hinge for timber doors 40mm single hinge for timber doors 40mm double hinge for timber doors 20-40mm double hinge for timber doors	65B/20/I 65B/20 65B/40/I 65B/40 65B/20-40
Accessories:	Flushpull Narrow bolt and keep 7mm packer	400 F3715 & F3734 S/7 (optional, depending on frame and track layout)



\* All with stainless steel strapbolt/spindle.

† For aluminium doors use in conjunction with a 60B mounting kit.

Consult with PCH Technical Department for extrusion compatibility.



Hinges for hangers and guides must be ordered separately.  
Use a single hinge for end hangers and guides, double hinge  
for intermediate hangers and guides.





# FLEXIROL MULTIDIRECTIONAL DOOR SYSTEMS

The Henderson series of multidirectional door systems offers the designer unparalleled flexibility without compromising on the practicality of the application. The Flexirol multidirectional system offers two degrees of movement to provide this flexibility.

The Flexirol system offers a choice of two hangers providing either 90° or 135° maximum movement to a maximum weight of 500kg depending on the choice of hanger.

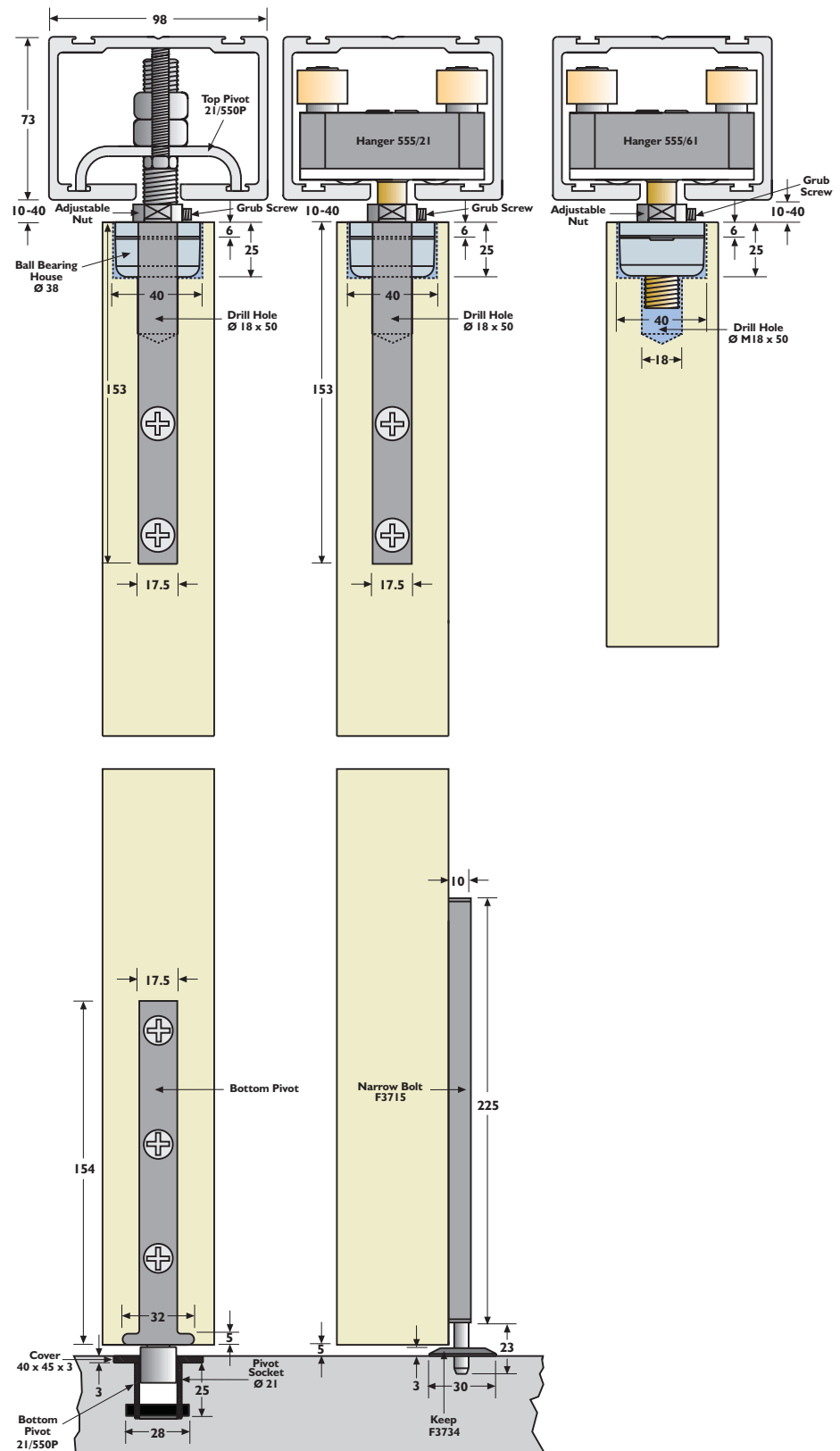
This system offers the options of curved track and track coloured to any BS colour, as well as a variety of plated finishes.

The multidirectional range is ideal for shopfronts, internal partitions, movable walls, conference rooms and any situation requiring the flexibility of a stacking system.





# FLEXIROL 90° MULTIDIRECTIONAL SYSTEM FOR TIMBER AND ALUMINIUM DOORS



## CAPACITY

Maximum door weight:	100kg (2 hangers per leaf) 50kg (1 hanger per leaf)
Maximum door height:	6000mm
Maximum door width:	6000mm
Door thickness:	40mm-100mm
Maximum swing door width:	1200mm

## APPLICATIONS

Lightweight partitions for internal and external applications requiring 90° movement.

## DOOR TYPES

Commercial timber and aluminium doors.

## TECHNICAL INFORMATION

Track: 550 (extruded aluminium)

Intersects: 'T' junction TW/550  
Cross-junction KW/550

Elbows: 90° elbow H90/550

Brackets: Face fix 1A/550  
Soffit fix 3S/550

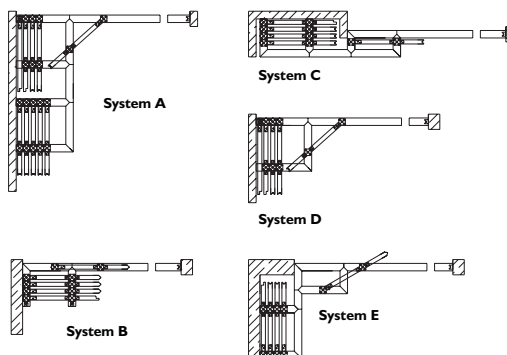
Hangers: Angle plate fixing 555/21  
Concealed fixing 555/61

Pivots: Pivot set 21/550P

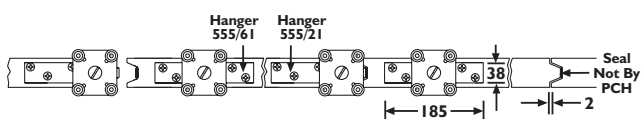
Accessories: Track stop HH3/301  
Flushpull 400  
Flushbolts SF190/450/600  
Narrow bolt and keep F3715 & F3734  
Door closers

Floor spring closer 7410  
Transom closer 5600  
(complete with 400mm of 550 track)  
Swing/slide floor spring 7305

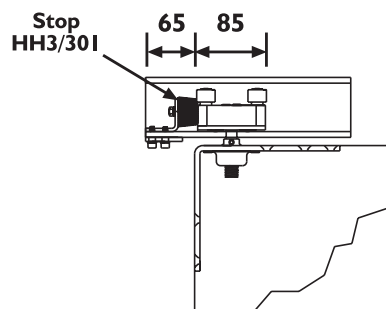
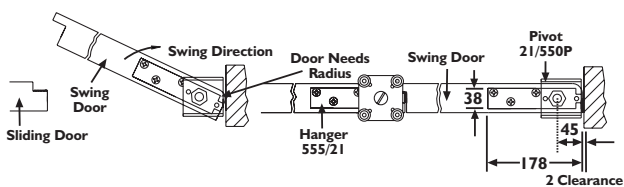
## 90° Configurations



## Door Rebates



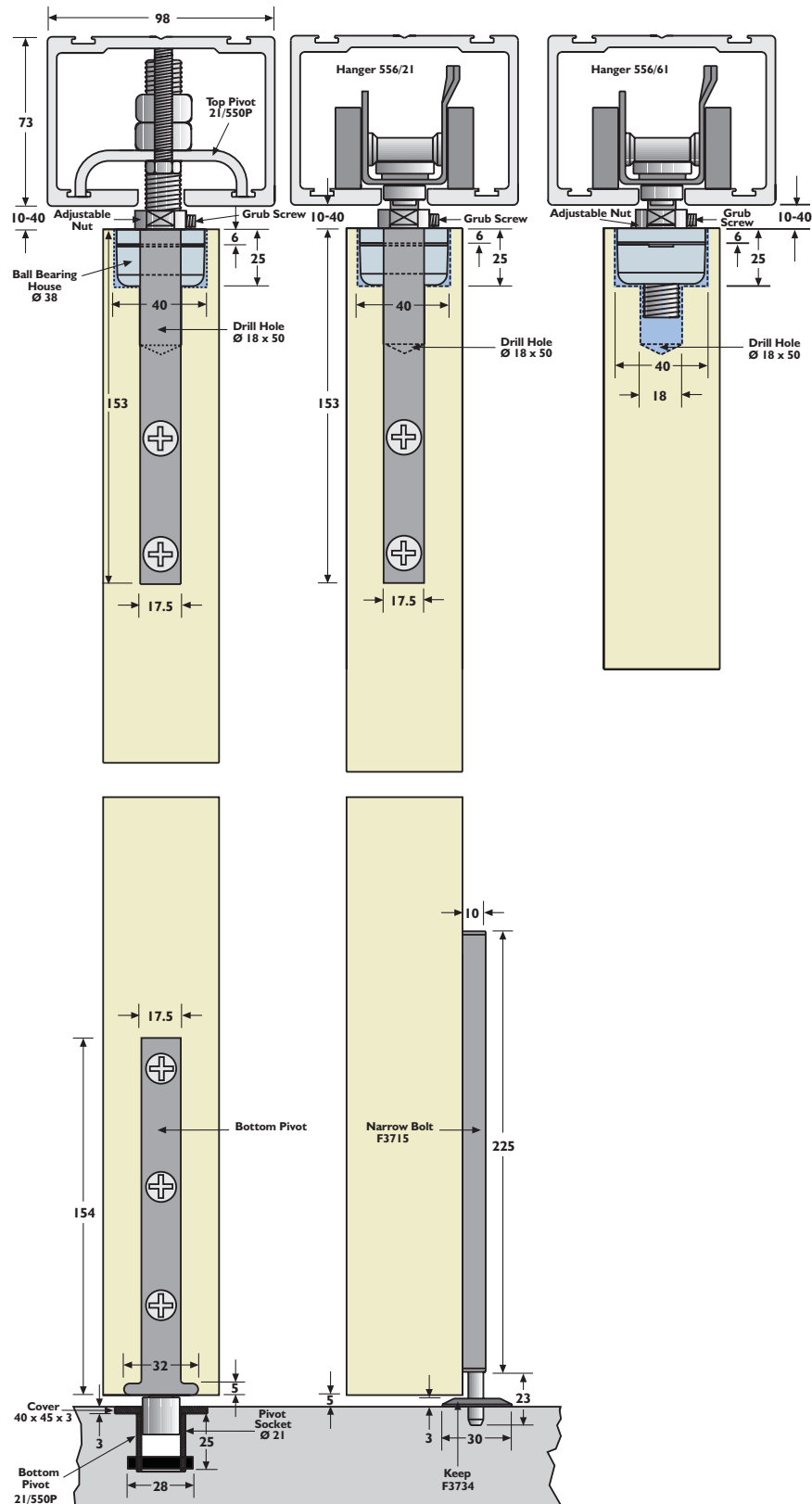
## Example Rebated Doors



# FLEXIROL 135°

## MULTIDIRECTIONAL

### SYSTEM FOR TIMBER AND ALUMINIUM DOORS





## CAPACITY

Maximum door weight:	500kg (2 hangers per leaf)
	250kg (1 hanger per leaf)
Maximum door height:	6000mm
Maximum door width:	6000mm
Door thickness:	40mm-100mm
Maximum swing door width:	1200mm

## APPLICATIONS

Multidirectional Flexirol is ideally suited to hotels, conference centres, shopfronts, showrooms, and other applications that requires high performance and the flexibility of 135° movement.

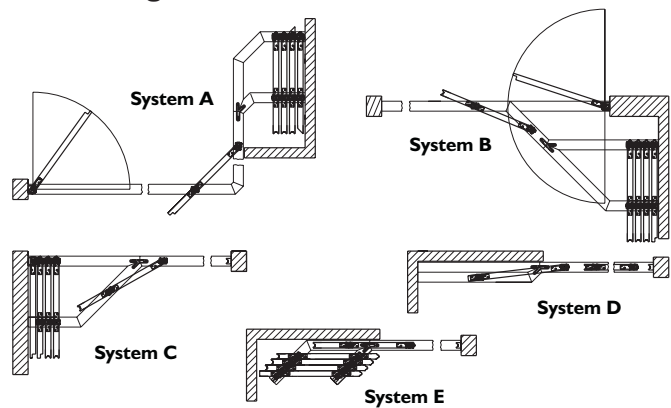
## DOOR TYPES

Heavy commercial timber and aluminium doors.

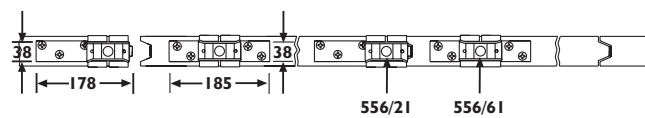
## TECHNICAL INFORMATION

Track:	550 (extruded aluminium)	
Intersects:	135° right-hand	45R/550
	135° left-hand	45L/550
Elbows:	135° swept elbow	H135/550
	90° swept elbow	H90C/550
	for 135° hanger	
Brackets:	Face fix	1A/550
	Soffit fix	3S/550
Hangers:	Angle plate fixing	556/21
	Concealed fixing	556/61
Pivots:	Pivot set	21/550P
Accessories:	Track stop	HH3/301
	Flushpull	400
	Flushbolts	SF190/450/600
	Narrow bolt and keep	F3715 & F3734
	Door closers	Floor spring closer 7410
		Transom closer 5600

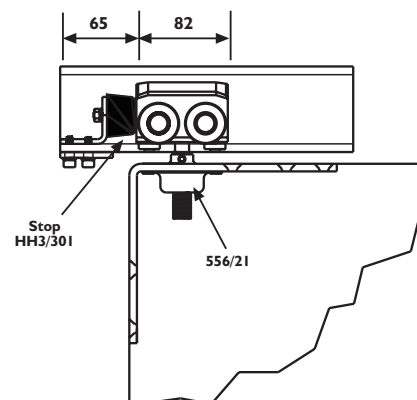
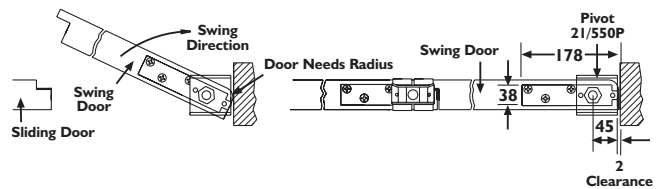
## 135° Configurations



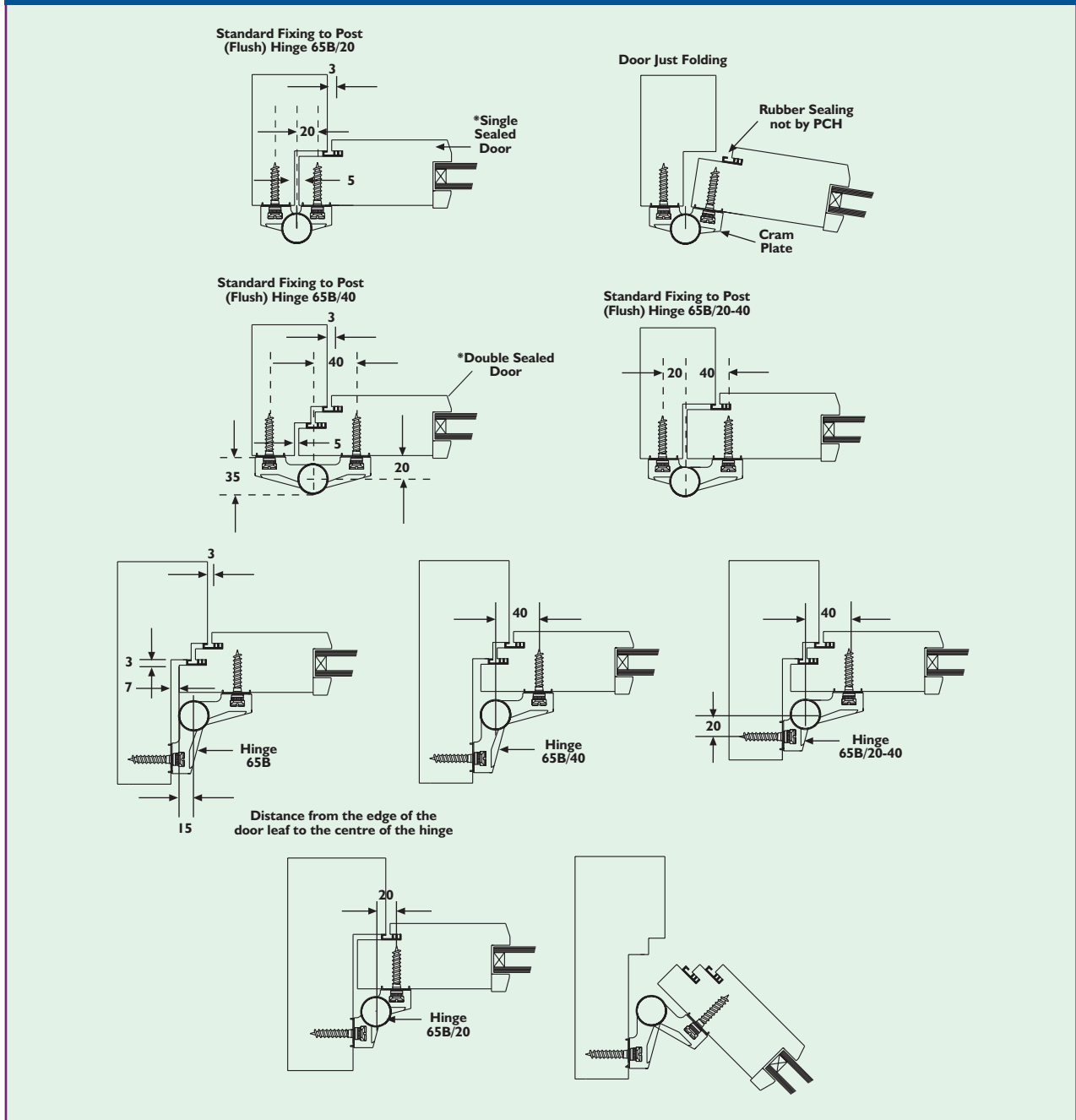
## Door Rebates



## Example Rebated Doors

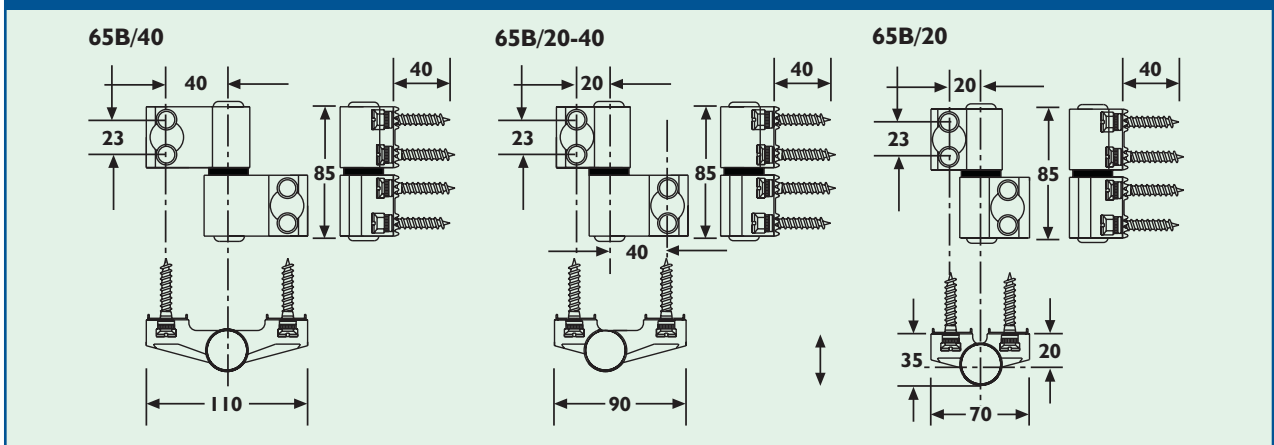


# HINGE INSTALLATION



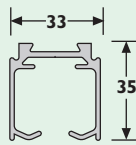
# COMPONENTS

## HINGES

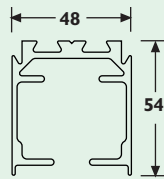


## TRACK, INTERSECTS AND CURVES

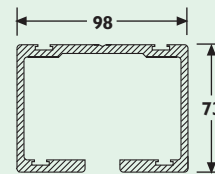
**Husky  
280 A**



**Pacer  
600 Track**

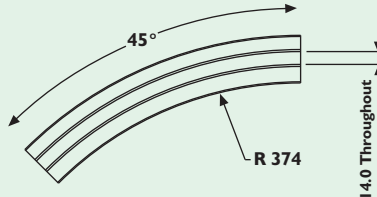


**Flexirol  
550 Track**

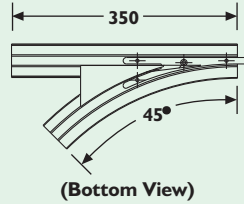


### PACER CURVES/INTERSECTS (Bottom Views)

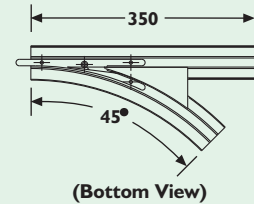
**Pacer Curve 600 C**



**Pacer Switch 45R/600**

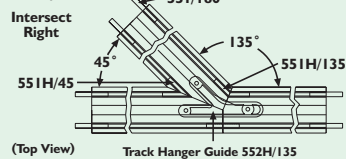


**Pacer Switch 45L/600**

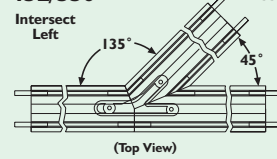


### FLEXIROL 556 JUNCTIONS/INTERSECTS (Top Views)

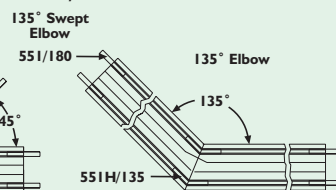
**45R/550**



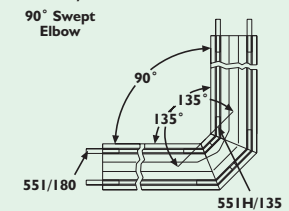
**45L/550**



**H135/550**

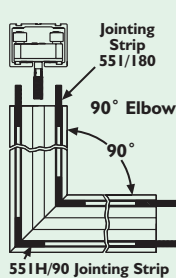


**H90C/550**

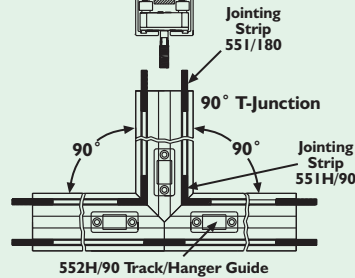


### FLEXIROL 555 JUNCTIONS/INTERSECTS

**H90/550**



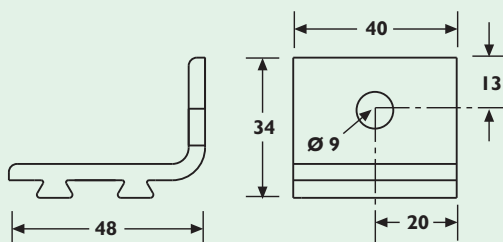
**TW/550**



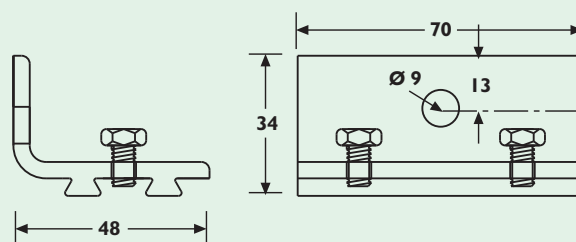
Pacer track supplied in mill finish as standard. Flexirol track supplied in mill finish and RAL 9010 as standard.

## BRACKETS

**Pacer  
Bracket IB**

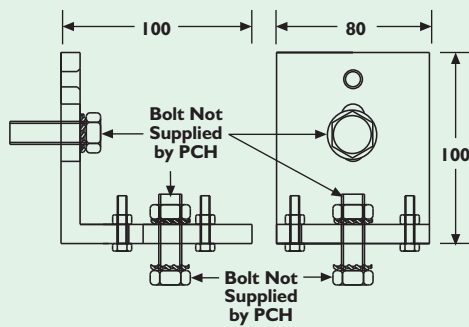


**Pacer  
Jointing Bracket IBX**

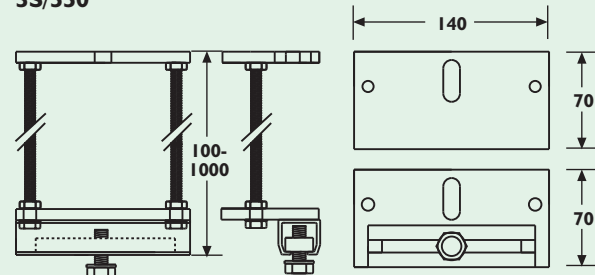


## BRACKETS

**Flexirol**  
**1A/550**

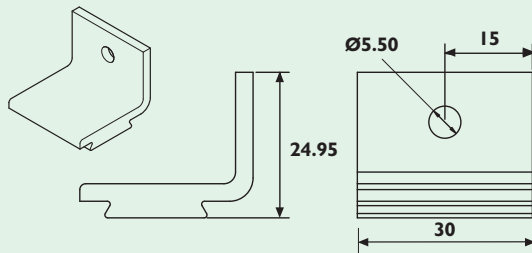


**Flexirol**  
**3S/550**

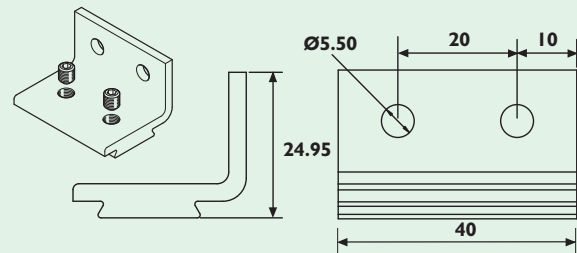


**Husky**

**Face Fix Bracket 28IAN**



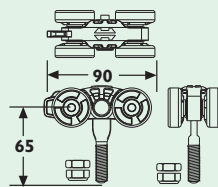
**Jointing Bracket 28IAX**



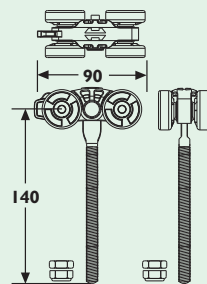
## HANGERS

### PACER HANGERS

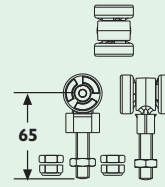
**56B**



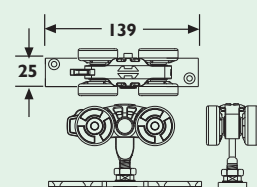
**56BX**



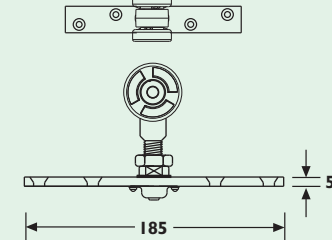
**56½B**



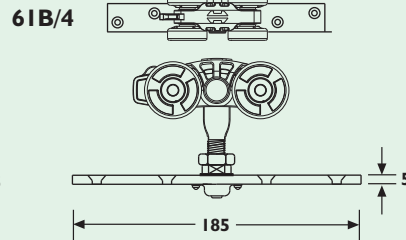
**57B**



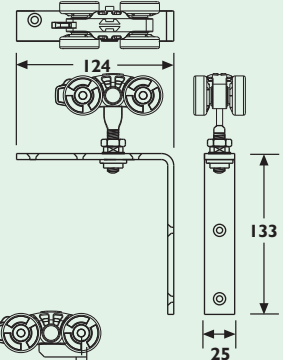
**61B**



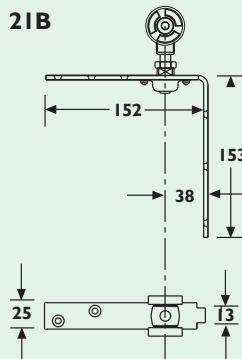
**61B/4**



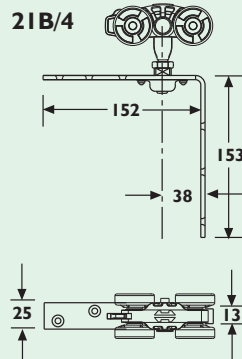
**52B**



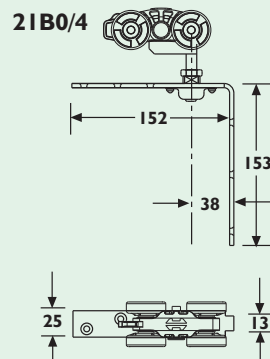
**21B**



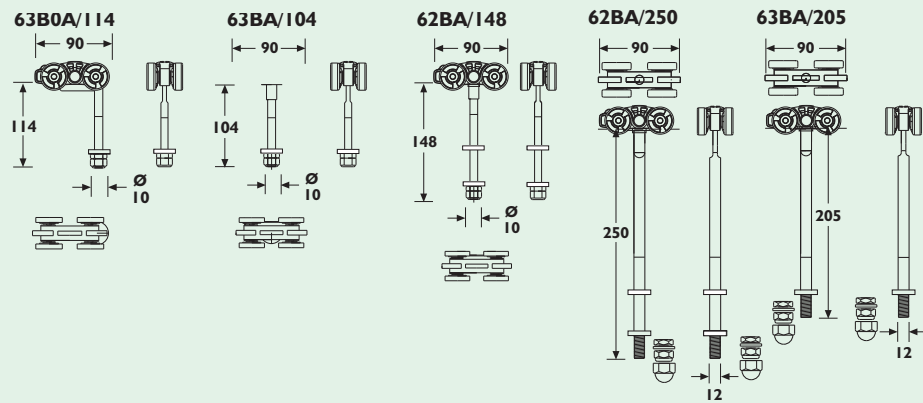
**21B/4**



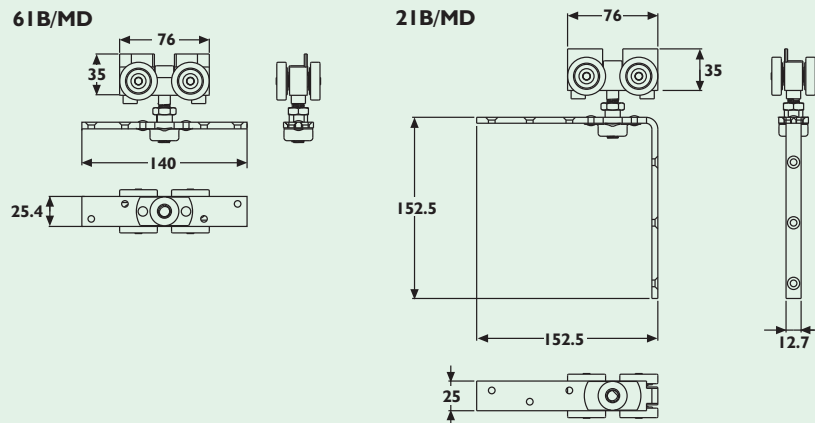
**21B0/4**



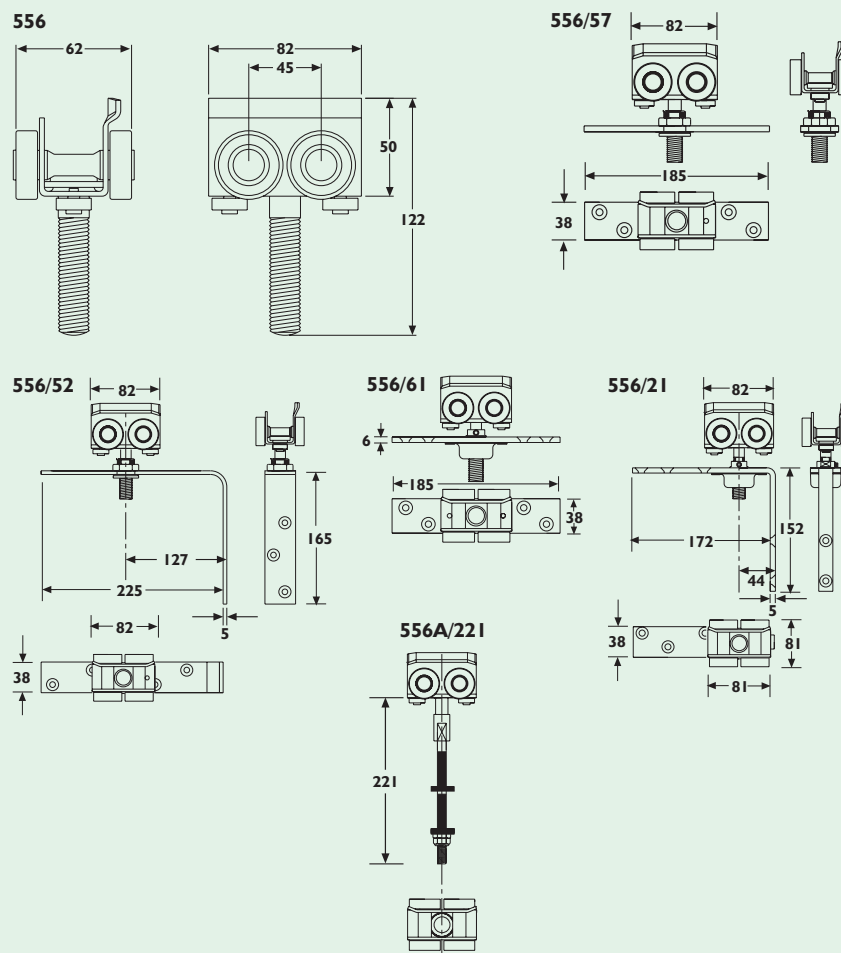
## PACER HANGERS



## PACER MULTIDIRECTIONAL HANGERS



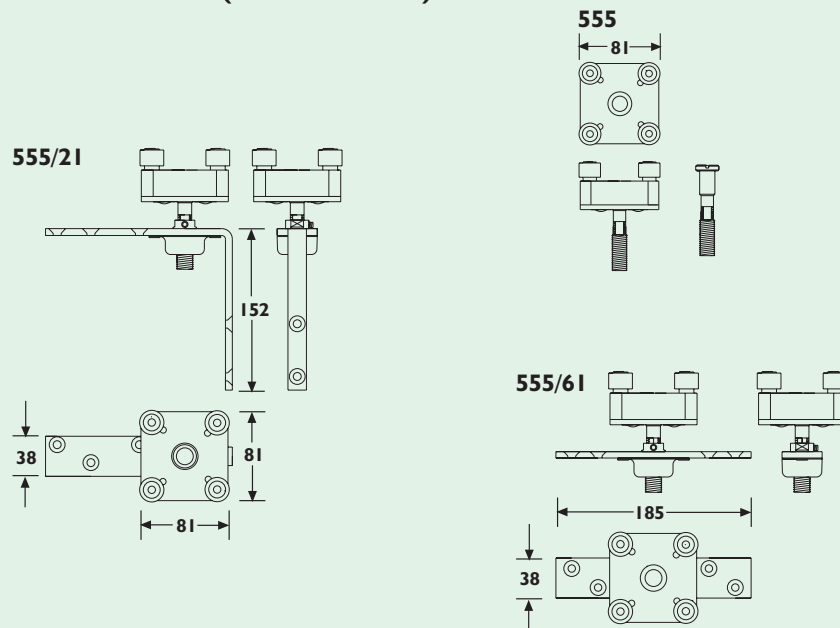
## FLEXIROL HANGERS (135° movement)



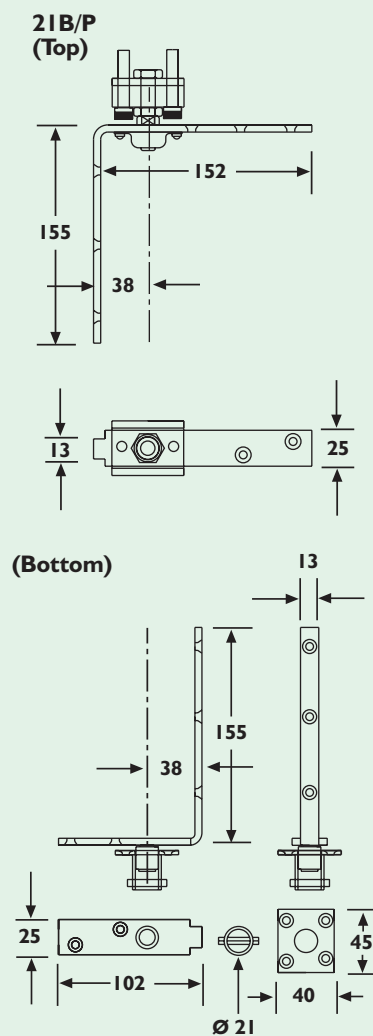


## HANGERS

### FLEXIROL HANGERS (90° movement)

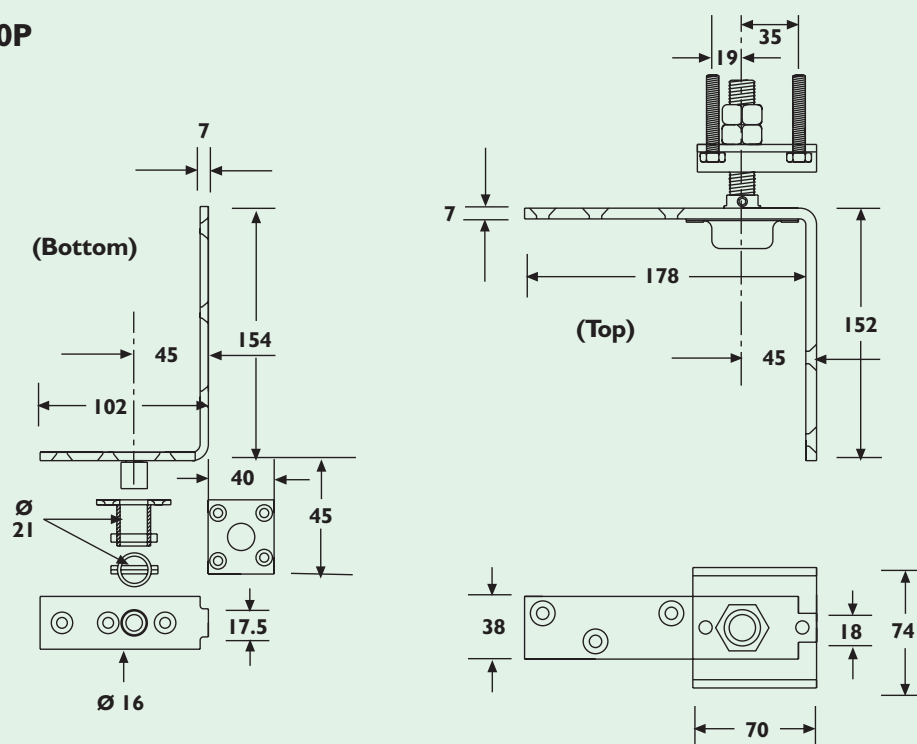


## PIVOT SETS

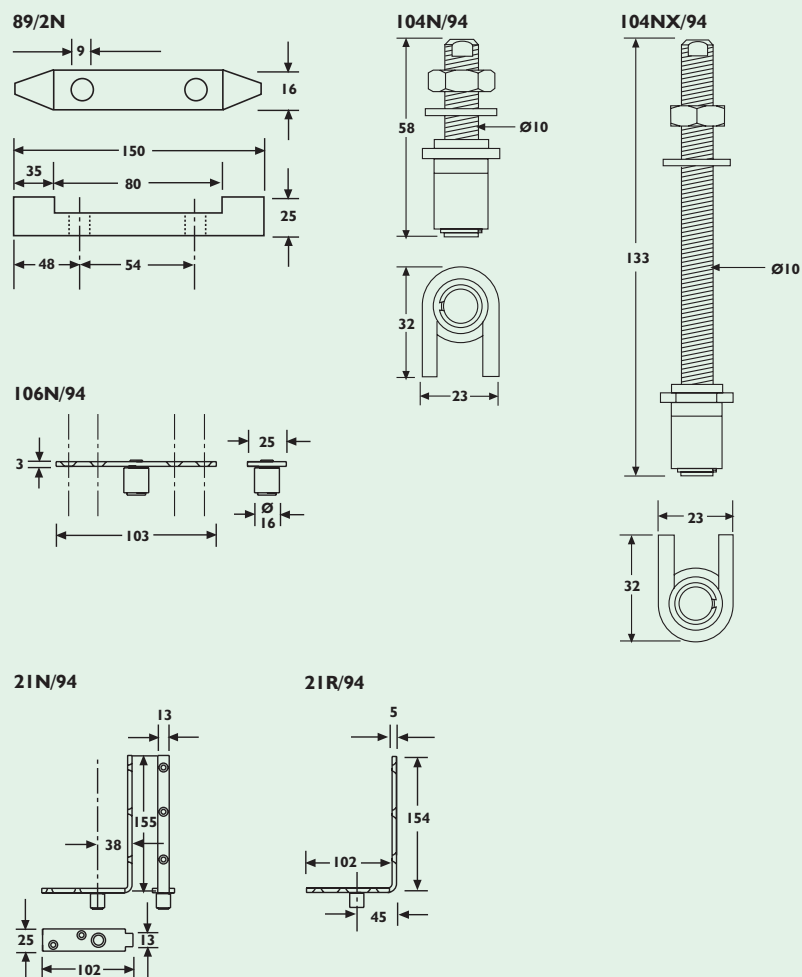


## PIVOT SETS

### 21/550P

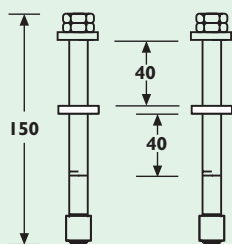


## GUIDES

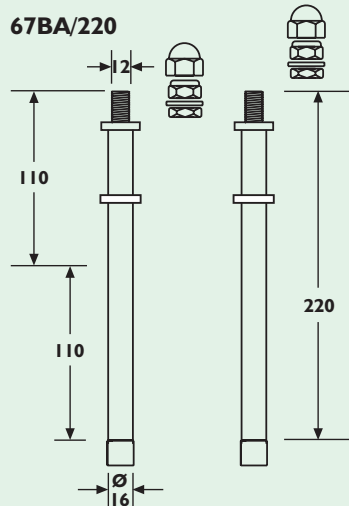


## GUIDES

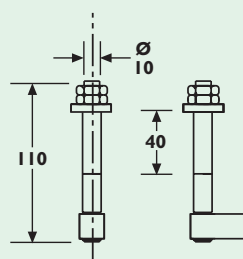
**67BA/150**



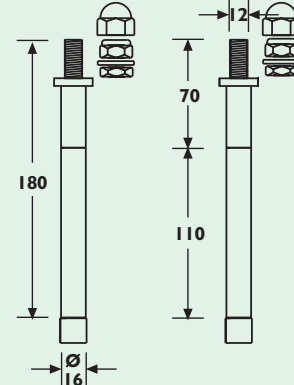
**67BA/220**



**68BA/110**

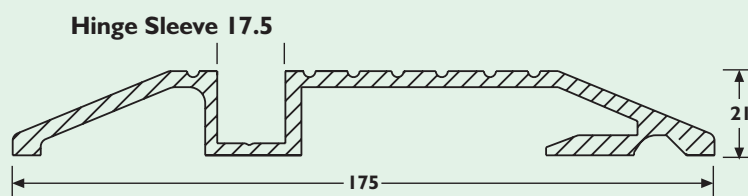


**68BA/180**

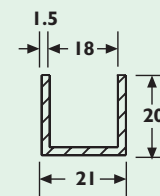


## GUIDE CHANNEL

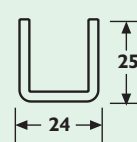
**94T Threshold**



**94(X) Channel**

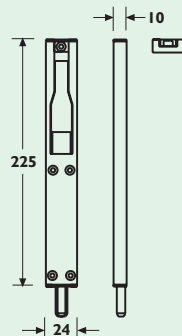


**89 Channel**

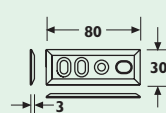


## ACCESSORIES AND STOPS

**F3715**



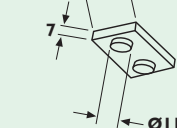
**F3734**



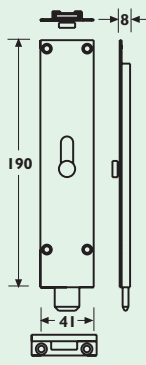
**333**



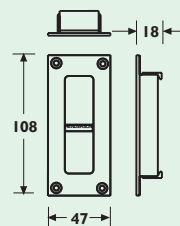
**S7**



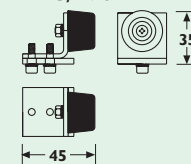
**454**



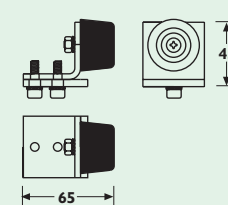
**400**



**Pacer  
HH3/290**



**Flexirol  
HH3/301**



# GUIDE TO QUANTITIES

**Folding doors** - Folding door units consist of a number of leaves in timber or aluminium hinged together. Wide units usually slide and fold in two parts, to the right and left. Cover extra wide openings by three or more units, the centre units floating.

**Brackets** - The space between brackets should be a maximum of 500mm. A bracket must be fixed 50mm from each end of the track. An additional bracket should be fixed above the stacking area (i.e. above the leaves when the system is in the open position).

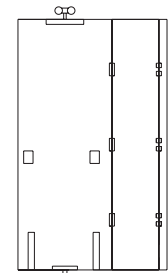
**Fittings** - Having selected the track, now extract the fittings and quantities shown in the relative column. Sidewall or soffit fixed brackets are available.

**Track** - Select the track according to the height or weight per leaf.

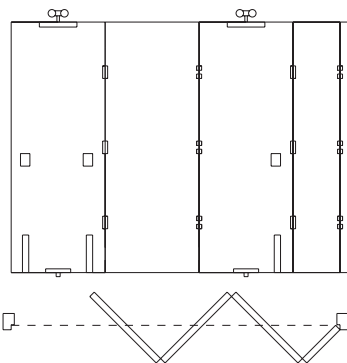
For further information on Securefold door configurations, please refer to the Securefold brochure or contact P C Henderson's technical sales team.

Figure numbers of centre folding partition fittings  
For height or weight per leaf stated below

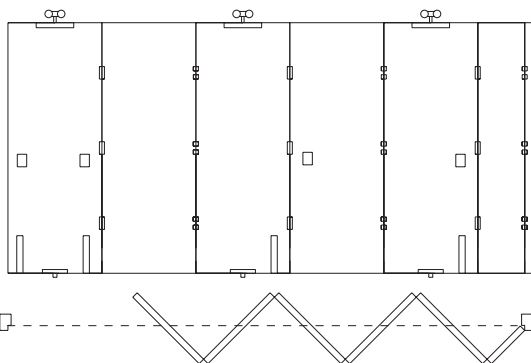
## INTERIOR CENTREFOLDING SYSTEMS



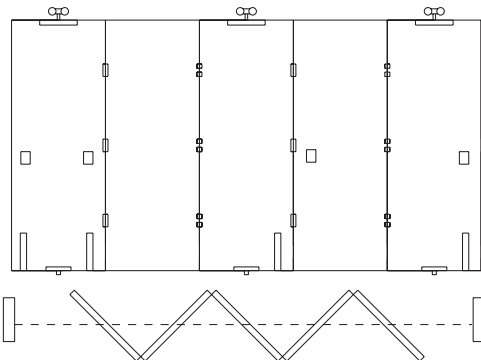
1 1/2 leaves,  
centre folding hinged to post



3 1/2 leaves, centre folding hinged to post



5 1/2 leaves, centre folding hinged to post



5 leaves centre folding "floating"

Item	Quantity	2700mm high or 35kg	2700mm high or 75kg	4500mm high or 125kg
Track	—	600	600	—
Brackets	see notes	1B	1B	1A/550 or 3S/550
Hanger	1	61B	61B/4	556/61
Hinges	6*	403 89 x 50	403 100 x 55	403 100 x 75
Guide	1	106N	106N	106N
Channel	—	94 or 94X	94 or 94X	94 or 94X
Flushpull	2	400	400	400
Flushbolt	2	SF190/450/600 or F3715	SF190/450/600 or F3715	SF190/450/600 or F3715

\* For doors exceeding 3000mm high increase to 8

Track	—	600	600	550
Brackets	see notes	1B	1B	1A/550 or 3S/550
Hanger	2	61B	61B/4	556/61
Hinges	12*	403 89 x 50	403 100 x 55	403 100 x 75
Guide	2	106N	106N	106N
Channel	—	94 or 94X	94 or 94X	94 or 94X
Flushpull	3	400	400	400
Flushbolt	3	SF190/450/600 or F3715	SF190/450/600 or F3715	SF190/450/600 or F3715

\* For doors exceeding 3000mm high increase to 16

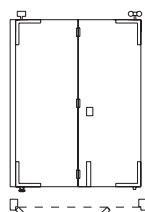
Track	—	600	600	550
Brackets	see notes	1B	1B	1A/550 or 3S/550
Hanger	3	61B	61B/4	556/61
Hinges	18*	403 89 x 50	403 100 x 55	403 100 x 75
Guide	3	106N	106N	106N
Channel	—	94 or 94X	94 or 94X	94 or 94X
Flushpull	4	400	400	400
Flushbolt	4	SF190/450/600 or F3715	SF190/450/600 or F3715	SF190/450/600 or F3715

\* For doors exceeding 3000mm high increase to 24

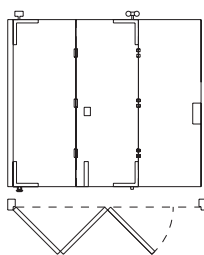
Track	—	600	600	550
Brackets	see notes	1B	1B	1A/550 or 3S/550
Hanger	3	61B	61B/4	556/61
Hinges	12*	403 89 x 50	403 100 x 55	403 100 x 75
Guide	3	106N	106N	106N
Channel	—	94 or 94X	94 or 94X	94 or 94X
Flushpull	2	400	400	400
Flushbolt	2	SF190/450/600 or F3715	SF190/450/600 or F3715	SF190/450/600 or F3715

\* For doors exceeding 3000mm high increase to 16

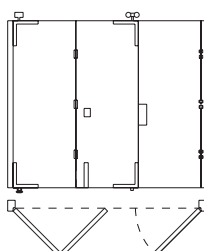
## INTERIOR ENDFOLDING SYSTEMS



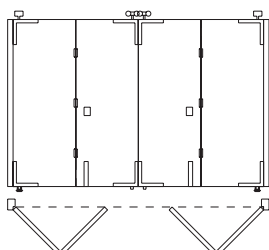
2 leaves,  
folding to the left



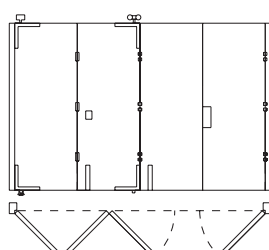
3 leaves with swinger  
folding to the left



3 leaves, 2 folding to the left,  
1 swinger hinged to post



4 leaves, 2 folding to the left,  
1 swinger hinged to post



4 leaves, 3 with swinger to the left,  
1 separate hinged to post

Item	Quantity	2700mm high or 35kg	4500mm high or 125kg
Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	1	21B	556/21
Pivot	1	21B/P	21/550P
Hinges	3*	403 89 x 50	403 100 x 75
Guide	1	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	1	400	400
Flushbolt	1	SF190/450/600 or F3715	SF190/450/600 or F3715
Lock and handles	1	—	—

\* For doors exceeding 3000mm high increase to 4

Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	1	21B/4	556/21
Pivot	1	21B/P	21/550P
Hinges	6*	403 89 x 50	403 100 x 75
Guide	1	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	1	400	400
Flushbolt	2	SF190/450/600 or F3715	SF190/450/600 or F3715
Lock and handles	1	—	—

\* For doors exceeding 3000mm high increase to 8

Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	1	21B	556/21
Pivot	1	21B/P	21/550P
Hinges	6*	403 89 x 50	403 100 x 75
Guide	1	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	1	400	400
Flushbolt	1	SF190/450/600 or F3735	SF190/450/600 or F3715
Lock and handles	1	—	—

\* For doors exceeding 3000mm high increase to 8

Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	2	21B	556/21
Pivot	2	21B/P	21/550P
Hinges	6*	403 89 x 50	403 100 x 75
Guide	2	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	2	400	400
Flushbolt	2	SF190/450/600 or F3715	SF190/450/600 or F3715
Lock and handles	1	—	—

\* For doors exceeding 3000mm high increase to 8

Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	1	21B/4	556/21
Pivot	1	21B/P	21/550P
Hinges	9*	403 89 x 50	403 100 x 75
Guide	1	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	1	400	400
Flushbolt	2	SF190/450/600 or F3715	SF190/450/600 or F3715
Lock and handles	1	—	—

\* For doors exceeding 3000mm high increase to 12



## INTERIOR ENDFOLDING SYSTEMS

Item	Quantity	2700mm high or 35kg	4500mm high or 125kg
Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	2	21B	556/21
Pivot	1	21B/P	21/550P
Hinges	9*	403 89 x 50	403 100 x 75
Guide	2	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	2	400	400
Flushbolt	2	SF190/450/600 or F3715	SF190/450/600 or F3715
Lock and handles	1	—	—

\* For doors exceeding 3000mm high increase to 12

Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	3	21B	556/21
Hinges	9*	403 89 x 50	403 100 x 75
Guide	3	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	2	400	400
Flushbolt	2	SF190/450/600 or F3715	SF190/450/600 or F3715
Lock and handles	1	—	—

\* For doors exceeding 3000mm high increase to 12

Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	2	21B	556/21
Pivot	2	21B/P	21/550P
Hinges	9*	403 89 x 50	403 100 x 75
Guide	2	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	2	400	400
Flushbolt	2	SF190/450/600 or F3715	SF190/450/600 or F3715
Lock and handles	1	—	—

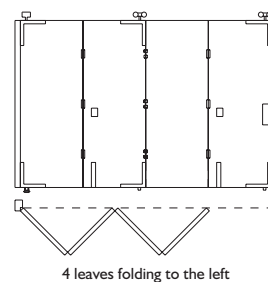
\* For doors exceeding 3000mm high increase to 12

Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	2	21B	556/21
Pivot	1	21B/P	21/550P
Hinges	12*	403 89 x 50	403 100 x 75
Guide	2	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	2	400	400
Flushbolt	2	SF190/450/600 or F3715	SF190/450/600 or F3715
Lock and handles	1	—	—

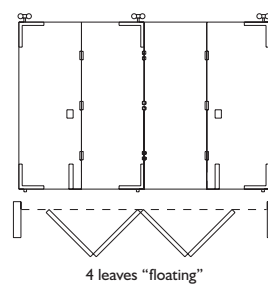
\* For doors exceeding 3000mm high increase to 16

Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	2	21B	556/21
Pivot	1	21B/P	21/550P
Hinges	12*	403 89 x 50	403 100 x 75
Guide	2	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	2	400	400
Flushbolt	2	SF190/450/600 or F3715	SF190/450/600 or F3715
Lock and handles	1	—	—

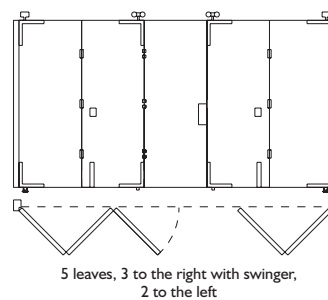
\* For doors exceeding 3000mm high increase to 16



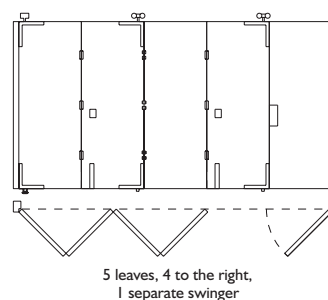
4 leaves folding to the left



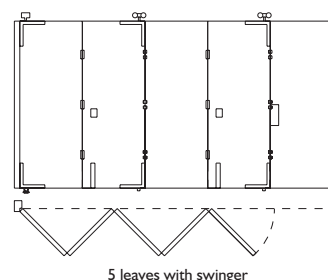
4 leaves "floating"



5 leaves, 3 to the right with swinger, 2 to the left

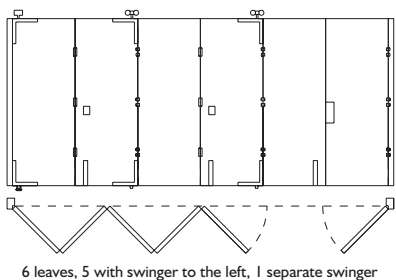
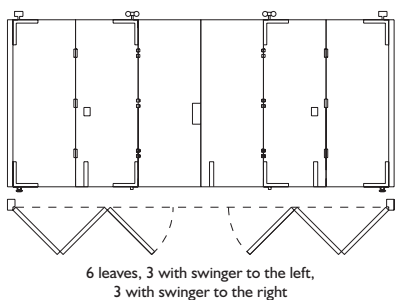
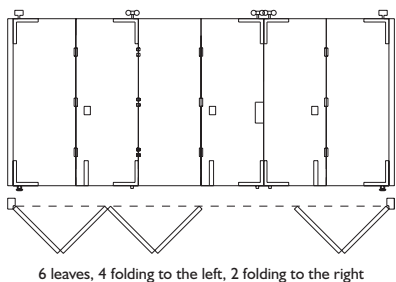
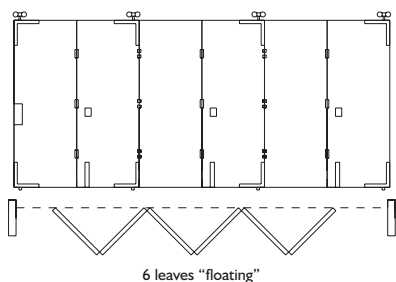
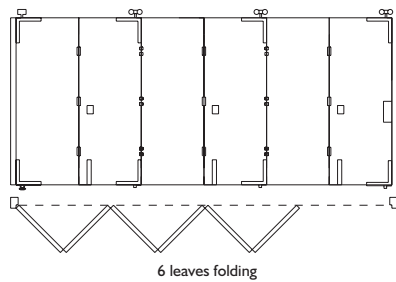


5 leaves, 4 to the right, 1 separate swinger



5 leaves with swinger

## INTERIOR ENDFOLDING SYSTEMS



Item	Quantity	2700mm high or 35kg	4500mm high or 125kg
Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	3	21B	556/21
Pivot	1	21B/P	21/550P
Hinges	15*	403 89 x 50	403 100 x 75
Guide	3	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	3	400	400
Flushbolt	3	SF190/450/600 or F3715	SF190/450/600 or F3715
Lock and handles	1	—	—

\* For doors exceeding 3000mm high increase to 20

Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	4	21B	556/21
Hinges	15*	403 89 x 50	403 100 x 75
Guide	4	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	3	400	400
Flushbolt	3	SF190/450/600 or F3715	SF190/450/600 or F3715
Lock and handles	1	—	—

\* For doors exceeding 3000mm high increase to 20

Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	3	21B	556/21
Pivot	2	21B/P	21/550P
Hinges	12*	403 89 x 50	403 100 x 75
Guide	3	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	3	400	400
Flushbolt	3	SF190/450/600 or F3715	SF190/450/600 or F3715
Lock and handles	1	—	—

\* For doors exceeding 3000mm high increase to 16

Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	3	21B	556/21
Pivot	2	21B/P	21/550P
Hinges	12*	403 89 x 50	403 100 x 75
Guide	3	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	3	400	400
Flushbolt	3	SF190/450/600 or F3715	SF190/450/600 or F3715
Lock and handles	1	—	—

\* For doors exceeding 3000mm high increase to 16

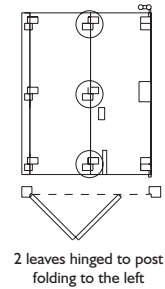
Track	—	600	550
Brackets	see notes	1B	3S/550
Hanger	2	21B	556/21
Pivot	1	21B/P	21/550P
Hinges	15*	403 89 x 50	403 100 x 75
Guide	2	21N/94	21R/94
Channel	—	94 or 94X	94 or 94X
Flushpull	2	400	400
Flushbolt	3	SF190/450/600 or F3715	SF190/450/600 or F3715
Lock and handles	1	—	—

\* For doors exceeding 3000mm high increase to 20

## EXTERIOR ENDFOLDING SYSTEMS

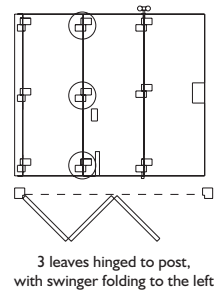
Item	Quantity	PACER Timber 65kg	PACER Aluminium 65kg	FLEXIROL Timber 125kg	FLEXIROL Aluminium 125kg
Track	—	600	600	550	550
Bracket	see notes	1B	1B	1A/550 or 3S/550	1A/550 or 3S/550
Top Pivot	1	—	—	—	—
Bottom pivot	1	—	—	—	—
Hanger end	1	63BA/104	63BA/205	556A/221	556A/221
Hinges*	—	6 x 65B/40 and 2 x 65B/40/I	6 x 65B/40 and 2 x 65B/40/I	6 x 65B/40 and 2 x 65B/40/I	6 x 65B/40 and 2 x 65B/40/I
Guide end	1	68BA/110	68BA/180	68BA/110	68BA/180
Channel	—	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X
Flushpull	1	400	—	400	—
Flushbolt	1	SF190/450/600 or F3715 + F3734	F3715 + F3734	SF190/450/600 or F3715 + F3734	F3715 + F3734
Lock	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.



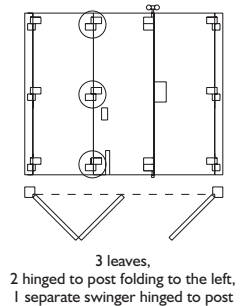
Track	—	600	600	550	550
Bracket	see notes	1B	1B	1A/550 or 3S/550	1A/550 or 3S/550
Top Pivot	1	—	—	—	—
Bottom pivot	1	—	—	—	—
Hanger mid	1	62BA/148	62BA/250	556A/221	556A/221
Hinges*	—	9 x 65B/40	9 x 65B/40	9 x 65B/40	9 x 65B/40
Guide mid	1	67BA/150	67BA/220	67BA/150	67BA/220
Channel	—	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X
Flushpull	1	400	—	400	—
Flushbolt	1	SF190/450/600 or F3715 + F3734	F3715 + F3734	SF190/450/600 or F3715 + F3734	F3715 + F3734
Lock	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.



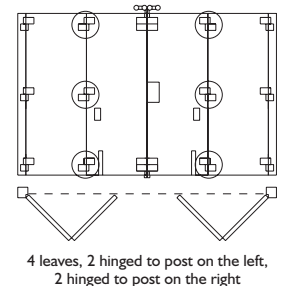
Track	—	600	600	550	550
Bracket	see notes	1B	1B	1A/550 or 3S/550	1A/550 or 3S/550
Top Pivot	2	—	—	—	—
Bottom pivot	2	—	—	—	—
Hanger end	1	63BA/104	63BA/205	556A/221	556A/221
Hinges*	—	9 x 65B/40 and 2 x 65B/40/I	9 x 65B/40 and 2 x 65B/40/I	9 x 65B/40 and 2 x 65B/40/I	9 x 65B/40 and 2 x 65B/40/I
Guide end	1	68BA/110	68BA/180	68BA/110	68BA/180
Channel	—	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X
Flushpull	1	400	—	400	—
Flushbolt	1	SF190/450/600 or F3715 + F3734	F3715 + F3734	SF190/450/600 or F3715 + F3734	F3715 + F3734
Lock	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.

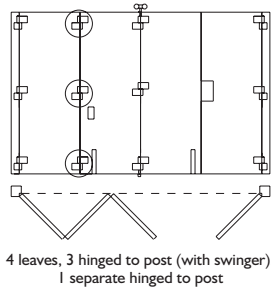


Track	—	600	600	—	—
Bracket	see notes	1B	1B	—	—
Top Pivot	2	—	—	—	—
Bottom pivot	2	—	—	—	—
Hanger end	2	63BOA/114	63BOA/114	—	—
Hinges*	—	12 x 65B/40 and 4 x 65B/40/I	12 x 65B/40 and 4 x 65B/40/I	—	—
Guide end	2	68BA/110	68BA/180	—	—
Channel	—	94T-94 or 94X	94T-94 or 94X	—	—
Flushpull	2	400	—	—	—
Flushbolt	2	SF190/450/600 or F3715 + F3734	F3715 + F3734	—	—
Lock	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.

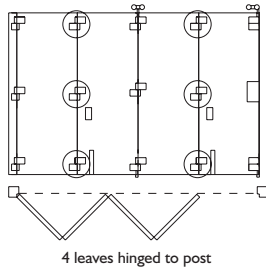


## EXTERIOR ENDFOLDING SYSTEMS



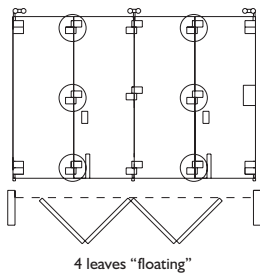
Item	Quantity	PACER Timber 65kg	PACER Aluminium 65kg	FLEXIROL Timber 125kg	FLEXIROL Aluminium 125kg
Track	—	600	600	550	550
Bracket	see notes	1B	1B	1A/550 or 3S/550	1A/550 or 3S/550
Top Pivot	2	—	—	—	—
Bottom pivot	2	—	—	—	—
Hanger mid	1	62BA/148	62BA/250	556A/221	556A/221
Hinges*	—	12 x 65B/40	12 x 65B/40	12 x 65B/40	12 x 65B/40
Guide mid	1	67BA/150	67BA/220	67BA/150	67BA/220
Channel	—	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X
Flushpull	1	400	—	400	—
Flushbolt	2	SF190/450/600 or F3715 + F3734	F3715 + F3734	SF190/450/600 or F3715 + F3734	F3715 + F3734
Lock	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.



Track	—	600	600	550	550
Bracket	see notes	1B	1B	1A/550 or 3S/550	1A/550 or 3S/550
Top Pivot	1	—	—	—	—
Bottom pivot	1	—	—	—	—
Hanger mid	1	62BA/148	62BA/250	556A/221	556A/221
Hanger end	1	63BA/104	63BA/205	556A/221	556A/221
Hinges*	—	12 x 65B/40 2 x 65B/40/1	12 x 65B/40 2 x 65B/40/1	12 x 65B/40 2 x 65B/40/1	12 x 65B/40 2 x 65B/40/1
Guide mid	1	67BA/150	67BA/220	67BA/150	67BA/220
Guide end	1	68BA/110	68BA/180	68BA/110	68BA/180
Channel	—	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X
Flushpull	2	400	—	—	—
Flushbolt	2	SF190/450/600 or F3715 + F3734	F3715 + F3734	SF190/450/600 or F3715 + F3734	F3715 + F3734
Lock	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.



Track	—	600	600	550	550
Bracket	see notes	1B	1B	1A/550 or 3S/550	1A/550 or 3S/550
Hanger mid	1	62BA/148	62BA/250	556A/221	556A/221
Hanger end	2	63BOA/114	63BOA/114	556A/221	556A/221
Hinges*	—	9 x 65B/40 and 4 x 65B/40/1	9 x 65B/40 and 4 x 65B/40/1	9 x 65B/40 and 4 x 65B/40/1	9 x 65B/40 and 4 x 65B/40/1
Guide mid	1	67BA/150	67BA/220	67BA/150	67BA/220
Guide end	2	68BA/110	68BA/180	68BA/110	68BA/180
Channel	—	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X
Flushpull	2	400	—	—	—
Flushbolt	2	SF190/450/600 or F3715 + F3734	F3715 + F3734	SF190/450/600 or F3715 + F3734	F3715 + F3734
Lock	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.

\* For doors exceeding 3000 mm high increase to 1 extra per seam.

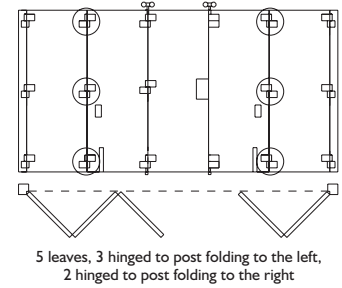


For applications in corrosive environments  
please consult Hendersons technical department.

## EXTERIOR ENDFOLDING SYSTEMS

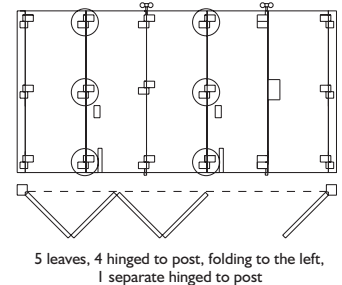
Item	Quantity	PACER Timber 65kg	PACER Aluminium 65kg	FLEXIROL Timber 125kg	FLEXIROL Aluminium 125kg
Track	—	600	600	550	550
Bracket	see notes	1B	1B	1A/550 or 3S/550	1A/550 or 3S/550
Pivot top	2	—	—	—	—
Pivot bottom	2	—	—	—	—
Hanger mid	1	62BA/148	62BA/250	556A/221	556A/221
Hanger end	1	63BA/104	63BA/205	556A/221	556A/221
Hinges*	—	15 x 65B/40 and 2 x 65B/40/I	15 x 65B/40 and 2 x 65B/40/I	15 x 65B/40 and 2 x 65B/40/I	15 x 65B/40 and 2 x 65B/40/I
Guide mid	1	67BA/150	67BA/220	67BA/150	67BA/220
Guide end	1	68BA/110	68BA/180	68BA/110	68BA/180
Channel	—	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X
Flushpull	2	400	—	400	—
Flushbolt	2	SF190/450/600 or F3715 + F3734	F3715 + F3734	SF190/450/600 or F3715 + F3734	F3715 + F3734
Lock	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.



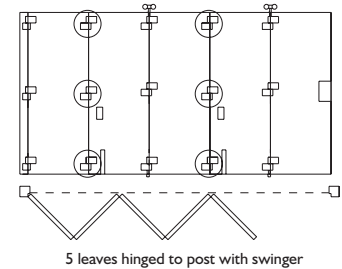
Track	—	600	600	550	550
Bracket	see notes	1B	1B	1A/550 or 3S/550	1A/550 or 3S/550
Pivot top	2	—	—	—	—
Pivot bottom	2	—	—	—	—
Hanger mid	1	62BA/148	62BA/250	556A/221	556A/221
Hanger end	1	63BA/104	63BA/205	556A/221	556A/221
Hinges*	—	15 x 65B/40 and 2 x 65B/40/I	15 x 65B/40 and 2 x 65B/40/I	15 x 65B/40 and 2 x 65B/40/I	15 x 65B/40 and 2 x 65B/40/I
Guide mid	1	67BA/150	67BA/220	67BA/150	67BA/220
Guide end	1	68BA/110	68BA/180	68BA/110	68BA/180
Channel	—	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X
Flushpull	2	400	—	400	—
Flushbolt	2	SF190/450/600 or F3715 + F3734	F3715 + F3734	SF190/450/600 or F3715 + F3734	F3715 + F3734
Lock	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.



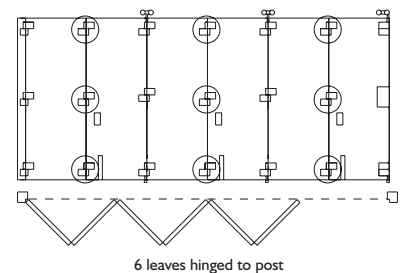
Track	—	600	600	550	550
Bracket	see notes	1B	1B	1A/550 or 3S/550	1A/550 or 3S/550
Pivot top	1	—	—	—	—
Pivot bottom	1	—	—	—	—
Hanger mid	2	62BA/148	62BA/250	556A/221	556A/221
Hinges*	—	15 x 65B/40	15 x 65B/40	15 x 65B/40	15 x 65B/40
Guide mid	2	67BA/150	67BA/220	67BA/150	67BA/220
Channel	—	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X
Flushpull	2	400	—	400	—
Flushbolt	2	SF190/450/600 or F3715 + F3734	F3715 + F3734	SF190/450/600 or F3715 + F3734	F3715 + F3734
Lock	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.



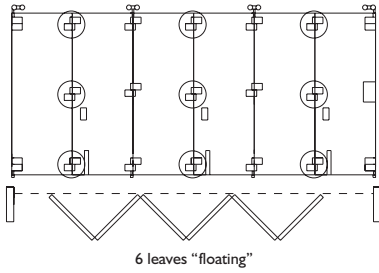
Track	—	600	600	550	550
Bracket	see notes	1B	1B	1A/550 or 3S/550	1A/550 or 3S/550
Pivot top	2	—	—	—	—
Pivot bottom	2	—	—	—	—
Hanger mid	2	62BA/148	62BA/250	556A/221	556A/221
Hanger end	1	63BA/104	63BA/205	556A/221	556A/221
Hinges*	—	18 x 65B/40 and 2 x 65B/40/I	18 x 65B/40 and 2 x 65B/40/I	18 x 65B/40 and 2 x 65B/40/I	18 x 65B/40 and 2 x 65B/40/I
Guide mid	2	67BA/150	67BA/220	67BA/150	67BA/220
Guide end	1	68BA/110	68BA/180	68BA/110	68BA/180
Channel	—	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X
Flushpull	3	400	—	400	—
Flushbolt	3	SF190/450/600 or F3715 + F3734	F3715 + F3734	SF190/450/600 or F3715 + F3734	F3715 + F3734
hinge)	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.



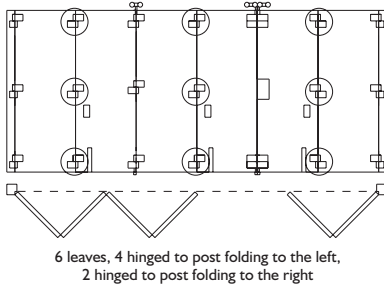


## EXTERIOR ENDFOLDING SYSTEMS



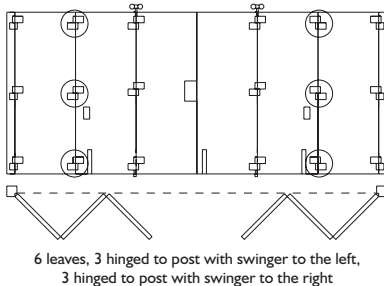
Item	Quantity	PACER Timber 65kg	PACER Aluminium 65kg	FLEXIROL Timber 125kg	FLEXIROL Aluminium 125kg
Track	—	600	600	550	550
Bracket	see notes	1B	1B	1A/550 or 3S/550	1A/550 or 3S/550
Hanger mid	2	62BA/148	62BA/250	556A/221	556A/221
Hanger end	2	63BOA/114	63BOA/114	556A/221	556A/221
Hinges*	—	15 x 65B/40 and 4 x 65B/40/I	15 x 65B/40 and 4 x 65B/40/I	15 x 65B/40 and 4 x 65B/40/I	15 x 65B/40 and 4 x 65B/40/I
Guide mid	2	67BA/150	67BA/220	67BA/150	67BA/220
Guide end	2	68BA/110	68BA/180	68BA/110	68BA/180
Channel	—	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X
Flushpull	3	400	—	400	—
Flushbolt	3	SF190/450/600 or F3715 + F3734	F3715 + F3734	SF190/450/600 or F3715 + F3734	F3715 + F3734
Lock	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.



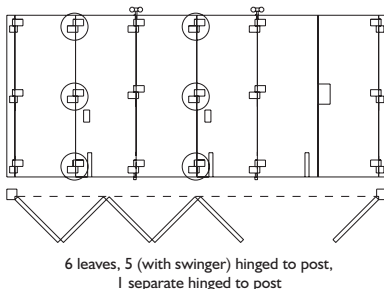
Track	—	600	600	—	—
Bracket	see notes	1B	1B	—	—
Pivot top	2	—	—	—	—
Pivot bottom	2	—	—	—	—
Hanger mid	1	62BA/148	62BA/250	—	—
Hanger end	2	63BOA/114	63BOA/114	—	—
Hinges	—	18 x 65B/40 and 4 x 65B/40/I	18 x 65B/40 and 4 x 65B/40/I	—	—
Guide mid	1	67BA/150	67BA/220	—	—
Guide end	2	68BA/110	68BA/180	—	—
Channel	—	94T-94 or 94X	94T-94 or 94X	—	—
Flushpull	3	400	—	—	—
Flushbolt	3	SF190/450/600 or F3715 + F3734	F3715 + F3734	—	—
Lock	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.



Track	—	600	600	550	550
Bracket	see notes	1B	1B	1A/550 or 3S/550	1A/550 or 3S/550
Pivot top	2	—	—	—	—
Pivot bottom	2	—	—	—	—
Hanger mid	2	62BA/148	62BA/250	556A/221	556A/221
Hinges*	—	18 x 65B/40	18 x 65B/40	18 x 65B/40	18 x 65B/40
Guide mid	2	67BA/150	67BA/220	67BA/150	67BA/220
Channel	—	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X
Flushpull	2	400	—	400	—
Flushbolt	3	SF190/450/600 or F3715 + F3734	F3715 + F3734	SF190/450/600 or F3715 + F3734	F3715 + F3734
Lock	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.



Track	—	600	600	550	550
Bracket	see notes	1B	1B	1A/550 or 3S/550	1A/550 or 3S/550
Pivot top	2	—	—	—	—
Pivot bottom	2	—	—	—	—
Hanger mid	2	62BA/148	62BA/250	556A/221	556A/221
Hinges*	—	18 x 65B/40	18 x 65B/40	18 x 65B/40	18 x 65B/40
Guide mid	2	67BA/150	67BA/220	67BA/150	67BA/220
Channel	—	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X	94T-94 or 94X
Flushpull	2	400	—	400	—
Flushbolt	3	SF190/450/600 or F3715 + F3734	F3715 + F3734	SF190/450/600 or F3715 + F3734	F3715 + F3734
Lock	1	—	—	—	—

Note: 20mm hinges and 20-40mm offset hinges also available.

\* For doors exceeding 3000 mm high increase to 1 extra per seam.





# HENDERSON

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# Sliding & Folding Door

## *Industrial Hardware Catalogue*

*Design in Motion*

December 2012

HENDERSON

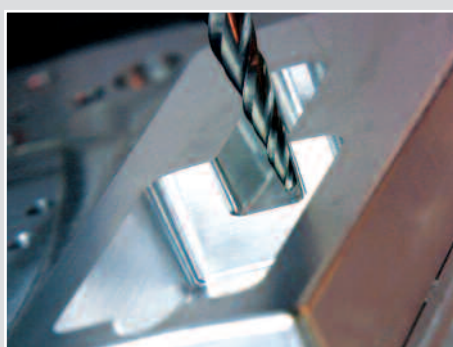
# HENDERSON

**PC Henderson has long been acknowledged as the world leader in the design and manufacture of sliding and folding door hardware systems for residential, commercial and industrial applications.**

**Established in 1921, PC Henderson is based in Bowburn in North East England and has subsidiaries in Holland and Ireland. The company has a long established sales and distribution network in over 70 countries supported by Henderson's fully trained UK based technical sales team.**

**The company is committed to quality and is registered to BS EN ISO 9001: 2008 Quality Systems and Environmental Management Systems ISO 14001: 2004.**

**As part of this commitment this brochure has been printed on carbon neutral paper in line with the FSC which promotes responsible management of the world's forests. This accreditation guarantees that only the amount of wood which the forest can regenerate naturally is cut down with minimal impact on the environment, wildlife and the indigenous people who reside there.**



3	Henderson door hardware systems
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# Henderson Door Hardware Systems

## Versatility of application

Henderson's door hardware systems have been developed for many straight sliding, round-the-corner or folding designs. Such versatility and variety of application gives the customer a wide freedom in design.

The most common application is for sliding doors, however Henderson door hardware is also designed for many, perhaps more unusual non-door applications. Examples of this include sliding machinery, sliding curtains, sliding scenery and sliding sports equipment.

Sliding and folding doors offer many benefits:

- ▶ Attractive door designs can be used.
- ▶ Space is saved in the opening area as there is no swing.  
This is very useful for large doors or where space is limited.
- ▶ Opening width is maximised as the doors can be slid or folded out of the way.
- ▶ Doors are safe to move, important for large doors as it makes them easier to control.
- ▶ Room sizes can be easily adjusted with no loss of space by using folded partition doors.

Non-door applications give flexibility by being able to move objects easily and quickly.

## Residential applications

Residential uses of hardware are typically on doors for wardrobes, cabinets, cupboards, interior doors and room dividers.

## Commercial applications

Commercial uses of hardware include shops, restaurants, schools, garages, churches, offices and many other settings where an aesthetically pleasing installation is a high priority.



## Industrial applications

Industrial uses of hardware encompass those where function, durability and reliability are more important than aesthetics. Common applications are doors used in:

- ▶ Factories and warehouses
- ▶ Farms and barns
- ▶ Sliding gates
- ▶ Fire doors
- ▶ Specific architectural uses such as shop fronts or aluminium framed glazed panels.

Non-door uses are also common, for example, industrial curtains, theatre scenery and over-head production lines.

## Residential and Industrial hardware

A residential application is considered to be any installation involving individual door weights up to 100kg. Door weights in excess of this, in the range of 100kg up to 8 tonnes, are required to use industrial gear. Doors can be top hung or supported on bottom rollers, depending upon the building structure and permissible loadings. Advice on selecting your hardware is given later in this brochure.

## Technical Support from Henderson

Our technical sales team can give expert advice on all aspects of the selection, installation, maintenance and spares provisions for every type of sliding and folding hardware. The service is based on worldwide experience with all types of installation, and is available to customers both in the UK and overseas.

## The EXPERT Specification Service

Henderson is unique in being able to offer customers a computer based service to assist in the specification of the appropriate sliding door hardware. The EXPERT Service is totally free and offers fast and accurate specification and no obligation quotation.

## Replacement Parts

Replacement parts for repair and refurbishment are available for Henderson sliding and folding door hardware from your local stockist. Alternatively our technical sales team will be happy to assist in giving new life to well-used installations. Simply call 0191 377 7345.

# The Expert Service

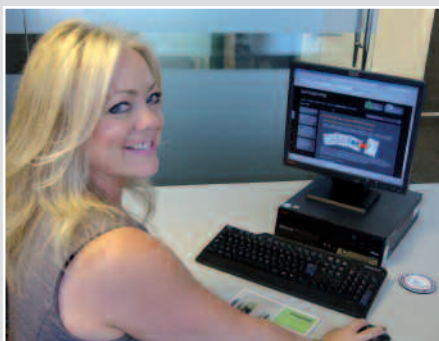
If you have a project where you would like to use sliding or folding door hardware use the FREE Henderson Expert Service to supply your bill of materials, quantities, prices and drawings.

Simply contact our Technical Sales Department and based on the answers you give to a series of questions (opening size, door size and weight etc.) We then specify the gear you require and you will receive a quotation from Henderson giving you a bill of materials and a list of the correct gear

- ▶ quantity
- ▶ price
- ▶ drawing
- ▶ fitting instructions

If you wish to make changes to your original specification, just contact us, we will find your original quotation, make the amendments and issue you with a revised quotation.

*It couldn't be simpler.  
Leave it to the experts!*



## UK Technical Sales Team

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[www.pchenderson.com](http://www.pchenderson.com)



# Straight Sliding 280-307

## FOR SLIDING WOOD DOORS

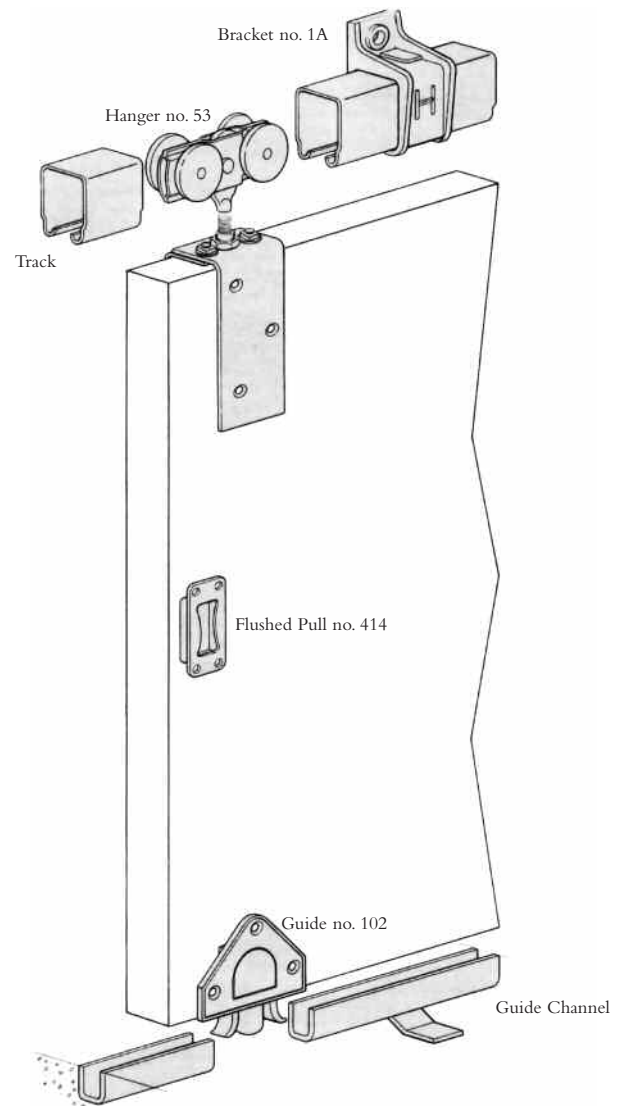
For top-hung, straight sliding wood doors for commercial and industrial applications; glazed or flush construction or, for industrial use, solidly framed, ledged and braced. Nine systems are available for door leaf weights up to 2000kg. Maximum door width and no. required depends on height, and the weight of door material (eg a softwood door with 50-60mm frame and 20mm boarding weighs c. 22-24 kg/m<sup>2</sup>). For optimum operation, the width should not exceed 3/4 the door height.

### COMPONENTS

Components supplied include: support and jointing brackets; track; hangers; bottom channel; guides; full range of accessories. Consult our Technical Sales Team or 'Expert' Service for guidance on quantities.

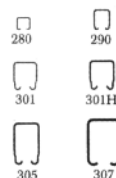
### INSTALLATION NOTES *(also see drawing)*

The gear is suitable for single or multiple lines of track where the supporting structure is sufficient to bear the total door weight. Sterling bottom roller gear (see p34-37) may be specified where support is insufficient. Any number of doors sliding to one or both sides may be specified. A wicket door may be incorporated for individual access requirements. A canopy (not by PC Henderson) is recommended for external fitting of the doors. Typical installation detail drawings are also available.



### CHOICE OF GEARS

#### TRACKS



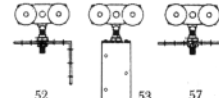
#### BRACKETS - FACE FIXED



#### BRACKETS - SOFFIT FIXED



#### HANGERS



#### GUIDES



#### GUIDE CHANNELS

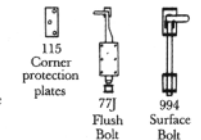


\*94 channel Aluminium or Brass

#### HANDLES



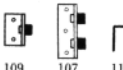
#### BOLTS



#### TRACK STOPS



#### DOOR STOPS



# HOW TO CHOOSE YOUR DOOR HARDWARE

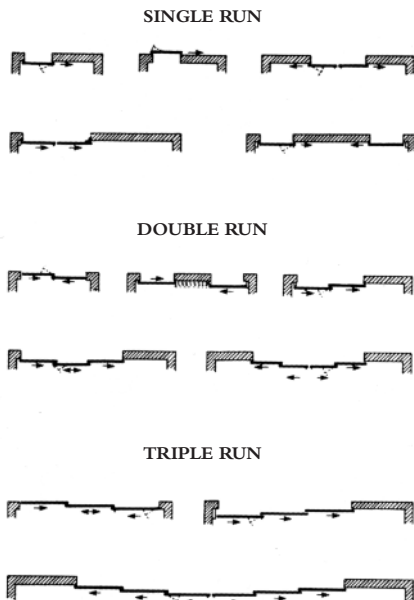
Read across to required door leaf weight and height, then read downwards.

280-307 Wood Door System No.	280	280	290	290	301	301	301H	305	307
Maximum Door Height	2400mm	2400mm	3000mm	3000mm	3600mm	3600mm	4200mm	4800mm	6000mm
Maximum Door Width	1250mm	1250mm	**	**	**	**	**	**	**
Maximum Door Weight	50kg	100kg	150kg	200kg	300kg	400kg	450kg	700kg	2000kg
Door Thickness	20-50mm	20-50mm	35-48mm	35-48mm	43-57mm	43-57mm	43-57mm	43-57mm	60-70mm
<b>Track</b> Twice the width of doors Available lengths: 1.8, 2, 2.5, 3, 4 & 6m	280	280	290	290	301	301	301H	305	307*
<b>Brackets</b> , single run (face fixing) <b>Brackets</b> , double run, (face-fixing) <b>Brackets</b> , single run (soffit fixing) fix every 900mm max and at track joints	281†	281††	1A/290 5/290 3A/290	1A/290 5/290 3A/290	1A/301 5/301 3A/301	1A/301 5/301 3A/301	1A/301 5/301 3A/301	1A/305 5/305 3A/305	1/307/S 5/307/S 3/307/S
<b>Hangers</b> 2 per door Wood Doors - apron fixing Wood Door - angle plate fixing Wood Doors - concealed fixing All Hangers with suffix /N have nylon wheels, and /S have steel wheels.	284N	284	53K/N 52K/N 57K/N	53K/S200 52K/S200 57K/S200	53A/S 52A/S 57A/S	53A/N 52A/N 57A/N	53A/N 52A/N 57A/N	53C/S 52C/S 57C/S	53F/S
<b>Guide Channel</b> same length as track	89	89	89	89	97	97	97	97	97
<b>Guides</b> 2 per door Wood Doors Wood Doors - concealed fixing	105R/89 106R/94	105R/89 106R/94	105R/89 106R/94	105R/89 106R/94	102/97 106R/97	102/97 106R/97	102/97 106R/97	102/97 106R/97	102/97 106R/97
<b>Flush Pull</b> 1 per door <b>Bow Handle</b> 1 per door (use flush pulls only on double runs of track)	414 463	414 463	414 463	414 5463	414 463	414 463	414 463	414 463	413 464

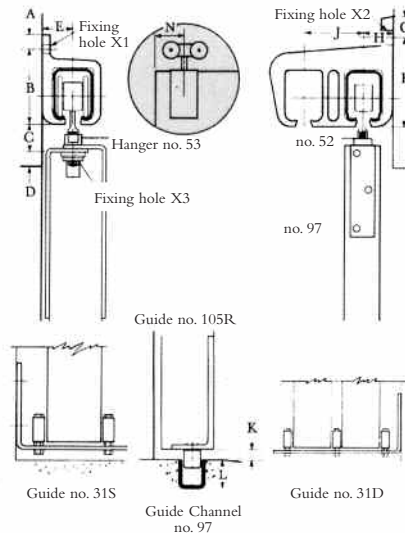
Nylon wheeled hangers (eg 53A/N) - Not to be used for fire resistant door installations involving temperatures exceeding 80°C.

† Fix brackets every 550mm max. †† Fix brackets every 275mm max. \* Max. length 3m. \*\* For optimum operation the door width should not exceed 3/4 of the door height.

## EXAMPLE PLAN DETAILS



## SECTION DETAILS



## DIMENSIONS

TRACK	A	B	C	D	E	F	G	H	J	K	L	X1	X2	X3	N
280	7	40	20	12	16						10	25	M5		*
290	13	67	25	13	27	80	20	27	54	10	25	M8	M12	11	48
301/301H	20	97	50	25	35	110	33	39	79	10	38	M12	M16	20	75
305	25	140	50	25	38	155	38	48	92	13	38	M16	M20	20	85
307	24	156	67	38	45	192	26	45	91	13	38	M16	M20	25	115

\* Husky 50 (284N) = 110mm \* Husky 100 (284) = 120mm

PC Henderson provide a full technical support service.

All dimensions are in mm.



# Straight Sliding 280-307

## FOR SLIDING METAL DOORS

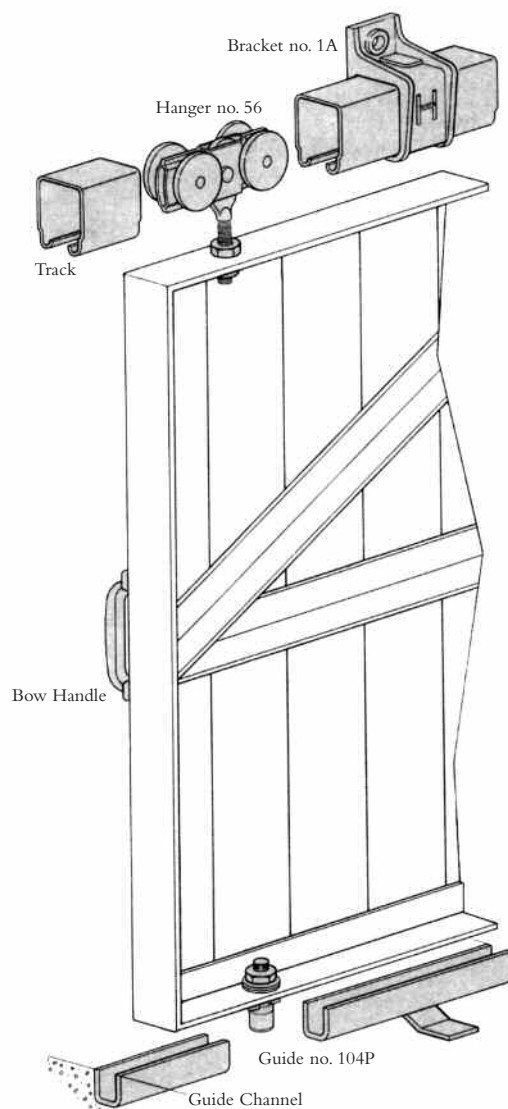
For top-hung, straight sliding metal doors for commercial and industrial applications; normally framed and braced with steel angle and then clad with steel sheet or similar. Where steel box section is used, hangers no. 56X and guides no. 104PX should be specified; for fire doors, hangers no. 56AF/S or 56CF/S should be used - please consult our Technical Sales Team. Nine systems are available for door weights up to 2000kg.

### COMPONENTS

Components supplied include: support and jointing brackets; track; hangers; bottom channel; guides; full range of accessories. Consult our Technical Sales Team or 'Expert' Service for guidance on quantities.

### INSTALLATION NOTES *(also see drawing)*

The gear is suitable for single or multiple lines of track where the supporting structure is sufficient to bear the total door weight. Sterling bottom roller gear (see p12-15) may be specified where support is insufficient. Any number of doors sliding to one or both sides may be specified. A wicket door may be incorporated for individual access requirements. A canopy (not by Henderson) is recommended for external fitting of the doors. Typical installation detail drawings are also available from the Technical Sales Team.



### CHOICE OF GEARS

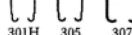
#### TRACKS



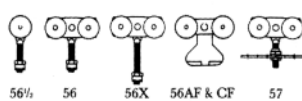
#### BRACKETS - FACE FIXED



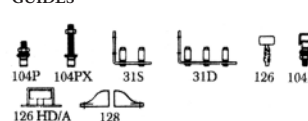
#### BRACKETS - SOFFIT FIXED



#### HANGERS



#### GUIDES



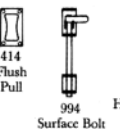
#### TRACK STOPS



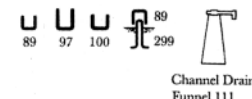
#### DOOR STOPS



#### ACCESSORIES



#### GUIDE CHANNELS



# HOW TO CHOOSE YOUR DOOR HARDWARE

Read across to required door leaf weight and height, then read downwards.

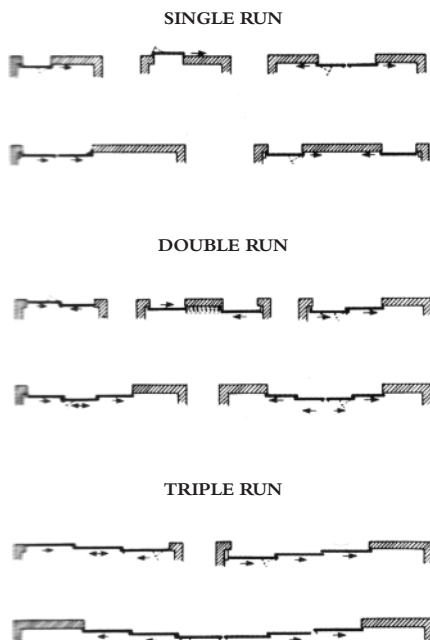
280-307 Metal Door System No.	280	280	290	290	301	301	301H	305	307
<b>Maximum Door Height</b>	2400mm	2400mm	3000mm	3000mm	3600mm	3600mm	4200mm	4800mm	6000mm
<b>Maximum Door Width</b>	1250mm	1250mm	****	****	****	****	****	****	****
<b>Maximum Door Weight</b>	50kg	100kg	150kg	200kg	300kg	400kg	450kg	700kg	2000kg
<b>Door Thickness</b>	20-50mm	20-50mm	35-48mm	35-48mm	43-57mm	43-57mm	43-57mm	43-57mm	60-70mm
<b>Track</b> Twice the width of doors (more if the doors slide further) Available lengths: 1.8, 2, 2.5, 3, 4 & 6m	280*	280*	290*	290*	301	301*	301H*	305	307***
<b>Brackets</b> , single run (face fixing) <b>Brackets</b> , double run, (face-fixing) <b>Brackets</b> , single run (soffit fixing) fix every 900mm max and at track joints	281†	281††	1A/290 5/290 3A/290	1A/290 5/290 3A/290	1A/301 5/301 3A/301	1A/301 5/301 3A/301	1A/301 5/301 3A/301	1A/305 5/305 3A/305	1/307/S 5/307/S 3/307/S
<b>Hangers</b> 2 per door Metal Doors - angle frame Metal Door - box frame Metal Doors - concealed plate Metal Doors - fire doors All Hangers with suffix/N have nylon wheels, and /S have steel wheels.	285N  284N	285  284	56K/S 56KX/S 57K/N	56K/S200 57K/S200	56A/S 56A/X 57A/N 56AF/S	56A/N 56AX/N 57A/N	56A/N 56AX/N 57A/N 56AF/S	56C/S 56CX/S 57C/S 56CF/S	56FJ/S 56FJ/S
<b>Guide Channel</b> same length as track	89	89	89	89	97	97	97	97	97
<b>Guides</b> 2 per door Metal Doors - angle frame Metal Doors - box frame	104P/89 104PX/89	104P/89 104PX/89	104P/89 104PX/89	104P/89 104PX/89	104P/97 104PX/97	104P/97 104PX/97	104P/97 104PX/97	104P/97 104PX/97	104P/97 104PX/97

\*Nylon wheeled hangers (eg 56A/N) - Not to be used for fire resistant door installations involving temperatures exceeding 80°C.

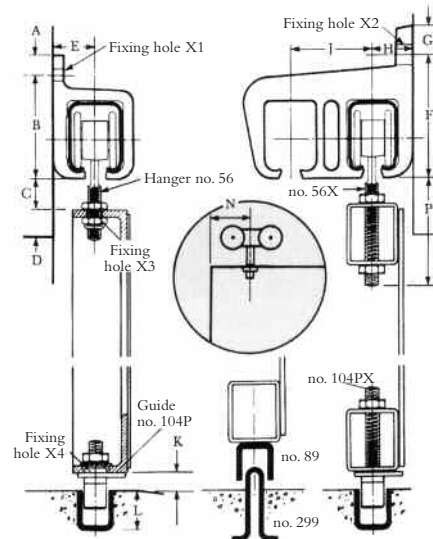
\*\* If used with 301H track give max. capacity of 360kg. † Fix brackets every 550mm max. †† Fix brackets every 275mm max.

\*\*\* Max. length 3m.

## EXAMPLE PLAN DETAILS



## SECTION DETAILS



## DIMENSIONS

TRACK	A	B	C	D	E	F	G	H	J	K	L	X1	X2	X3	X4	N	P
280	7	40	20	13	16					10	25	M5		8.4	17	50	
290	13	67	25	13	27	80	20	27	54	10	25	M8	M12	10.5	17	48	110
301/301H	20	97	50	25	35	110	33	39	79	10	38	M12	M16	17	20	75	140
305	25	140	50	25	38	155	38	48	92	13	38	M16	M20	17	20	85	140
307	24	156	67	38	45	192	26	45	91	13	38	M16	M20	21	20	115	140

PC Henderson provide a full technical support service.

# Mansion/Majestic

## FOR SLIDING WOOD DOORS

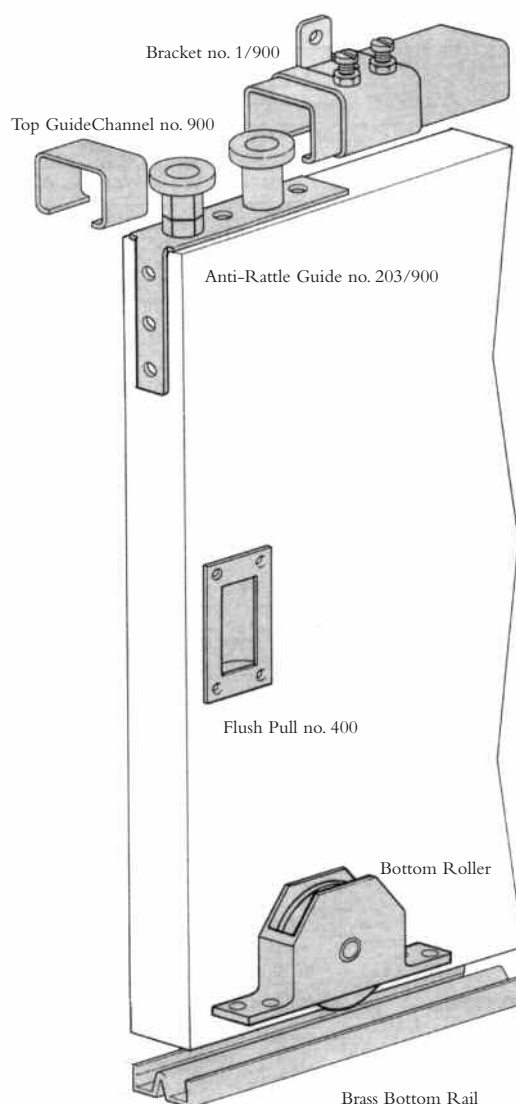
High quality bottom roller gear and fittings to match the best sliding partitions, including glazed, flush or panelled doors. Three systems are available for door leaf weights up to 270kg. Maximum door leaf width and number required depends on height and weight of the door leaf material.

### COMPONENTS

Components supplied include: top guide channel; optional top guide brackets; bottom rollers; bottom rail; full range of accessories. Consult our Technical Sales Team or 'Expert' Service for guidance on quantities.

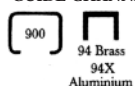
### INSTALLATION NOTES *(also see drawing)*

Door leaves must be constructed with deep bottom section for the concealed, mortised bottom rollers (minimum depth 150mm for 913N/913XB rollers or 175mm for 916 rollers). Typical installation detail drawings are also available.

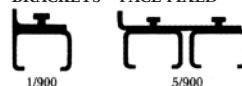


### CHOICE OF GEARS

#### GUIDE CHANNELS



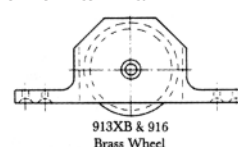
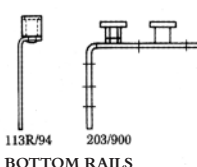
#### BRACKETS - FACE FIXED



#### BRACKETS - SOFFIT FIXED



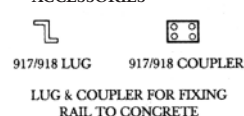
#### BOTTOM ROLLERS



#### BOTTOM RAILS



#### ACCESSORIES



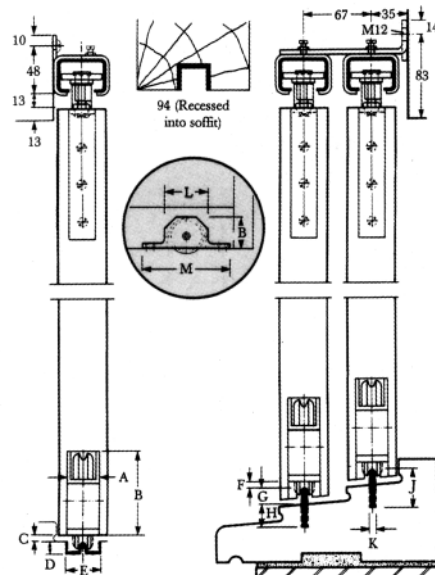
# INDUSTRIAL

# INDUSTRIAL

# INDUSTRIAL

# INDUSTRIAL

## SECTION DETAILS



# INDUSTRIAL

# INDUSTRIAL

# INDUSTRIAL

For bottom rolling wood doors in a range of commercial and industrial applications, especially where the supporting structure or lintel is insufficient for the weight of the door or headroom is limited. The doors may be partially or fully glazed, or should be framed, ledged and braced for industrial applications. Four systems are available up to 2000kg per door. Maximum door width and number of doors required depends on height and weight of the door material. For optimum operation, the door width should not be less than 1/2 the door height.

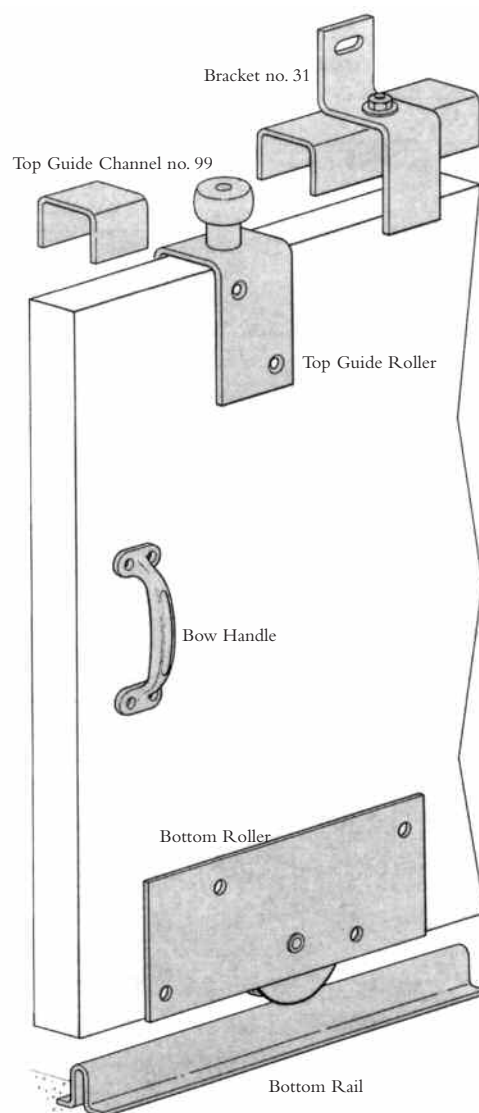
### COMPONENTS

Components supplied include: top guide channel; brackets; top guide rollers; bottom rollers; bottom rail; full range of accessories. Consult our Technical Sales Team or 'Expert' Service for guidance on quantities.

### INSTALLATION NOTES *(also see drawing)*

The gear is suitable for single or multiple lines of track. Rollers should be positioned in the bottom door leaf section, clear of the joint with the stile. Suitable depth of bottom door leaf sections are: 230mm for bottom rollers no.s 2 & 5; 300mm for no. 3; no. 4 made to order to suit door thickness between 70-100mm as specified. Any number of doors sliding to one or both sides may be specified.

A canopy (not by PC Henderson) is recommended for external fitting of the doors.



### CHOICE OF GEARS

#### GUIDE CHANNELS



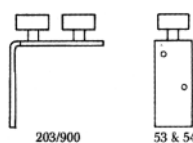
#### BRACKETS - FACE FIXED



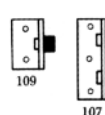
#### BRACKETS - SOFFIT FIXED



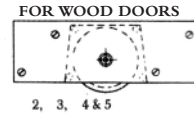
#### GUIDES FOR WOOD DOORS



#### DOOR STOPS



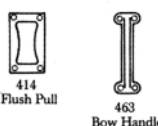
#### BOTTOM ROLLERS FOR WOOD DOORS



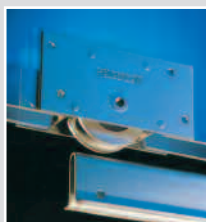
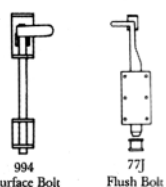
#### BOTTOM RAILS



#### HANDLES



#### BOLTS





# HOW TO CHOOSE YOUR DOOR HARDWARE

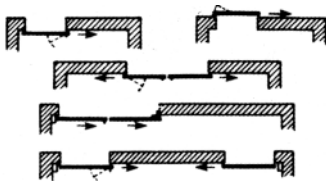
Read across to required door leaf weight and height, then read downwards.

Sterling Wood Door System No.	225	350	800	2000
Maximum Door Height	3300mm	4000mm	5200mm	7500mm
Maximum Door Weight	225kg	350kg	800kg	2000kg
Door Thickness	44-50mm	44-54mm	54-63mm	See Text
Top Guide Channel Twice the width of doors (More if doors slide further) Available lengths: 2, 2.5 & 3m	900	99	99	13
Brackets, single run (face fixing) Brackets, double run (face fixing) Fix every 900mm max and at channel joints	1/900 5/900	31 35	31 35	1/13 5/13
Guides - 2 per door	54/900	53/99	53/99	53/13
Bottom Rollers 2 per door	5	2	3	4
Bottom Rail (same length as guide channel)	299	298	298	298
Flush Pull 1 per door (used on double runs of track)	414	414	414	413
Bow Handle 1 per door (used on single doors)	463	463	463	464

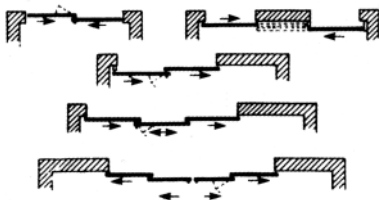
INDUSTRIAL

## EXAMPLE PLAN DETAILS

### SINGLE RUN

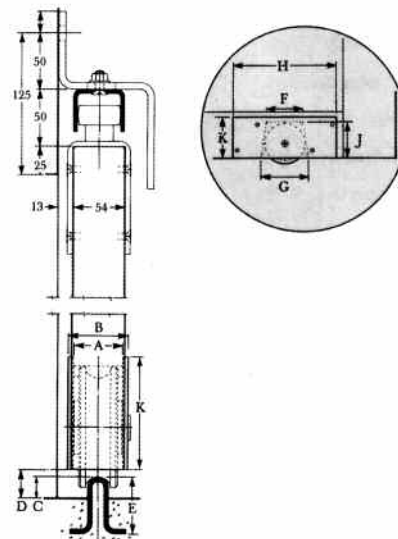


### DOUBLE RUN



## SECTION DETAILS

(NB: The top section of the door illustrated is only Sterling 350 & 800.  
For Sterling 225 see MANSION)



### DIMENSIONS

TRACK	A	B	C	D	E	F	G	H	J	K
225	44	50	16	24	50	65	102	159	67	75
350	44	54	20	25	50	115	135	305	95	102
800	51	63	20	30	50	135	175	381	130	152

PC Henderson provide a full technical support service.

All dimensions are in mm.

### Straight sliding bottom roller

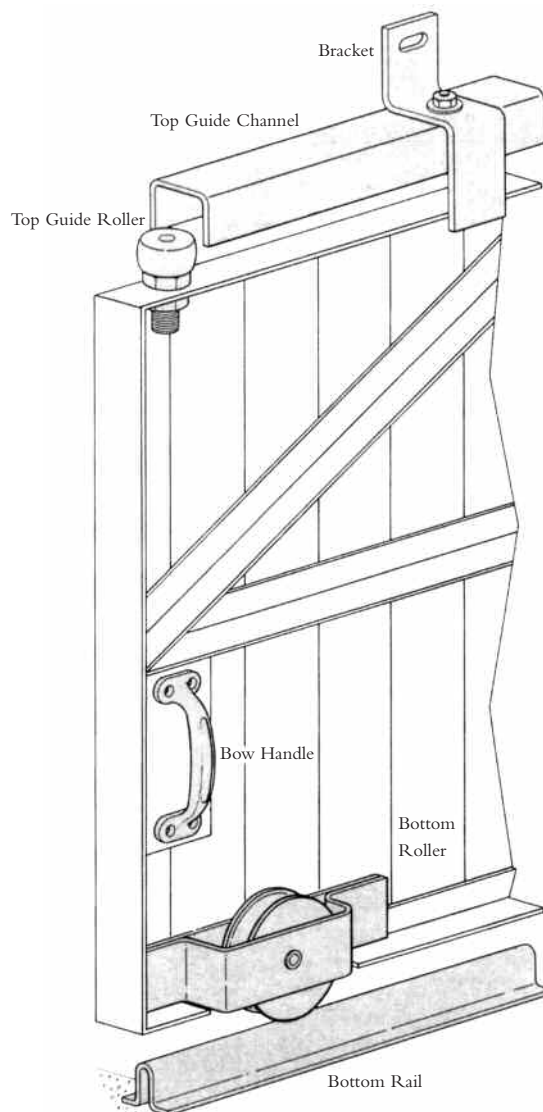
For bottom rolling metal doors and gates in a range of commercial and industrial applications, especially where the supporting structure or lintel is insufficient for the weight of the door or headroom is limited. The doors should be framed and braced using steel angle, then clad with steel sheet; for Sterling 3600 and 8000 gear the door should be constructed from steel channel section. Six systems are available up to 8000kg per door. Maximum door leaf width and no. required depends on the height and the weight of door material. Gear is also suitable for power operation (power operation not by PC Henderson - consult our Technical Sales Team).

#### COMPONENTS

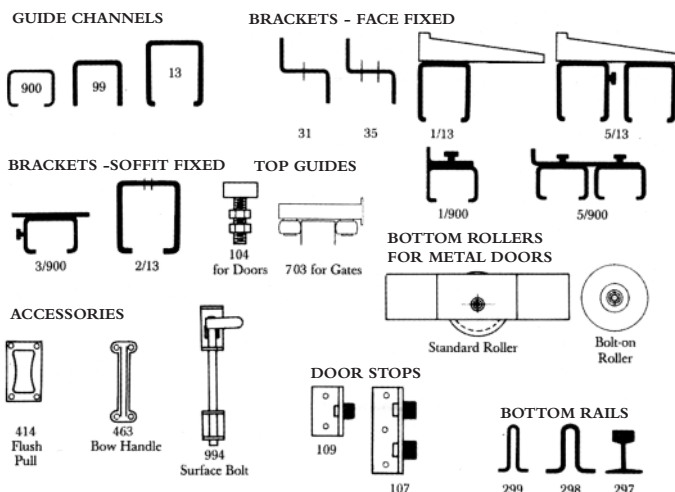
Components supplied include: top guide channel; brackets; top guide rollers; bottom rollers; bottom rail; full range of accessories. (All steel parts are galvanised.) Consult our Technical Sales Team or 'Expert' Service for guidance on quantities.

#### INSTALLATION NOTES *(also see drawing)*

The gear is suitable for single or multiple lines of track. Rollers should be positioned securely in the bottom door frame section by welding or bolting. Bottom rail must be set level and may be recessed for protection from traffic. Any number of doors sliding to one or both sides may be specified. A wicket door may be incorporated for individual access requirements. A canopy (not by PC Henderson) is recommended for external fitting of the doors.



#### CHOICE OF GEARS



# HOW TO CHOOSE YOUR DOOR HARDWARE

Read across to required door leaf weight and height, then read downwards.

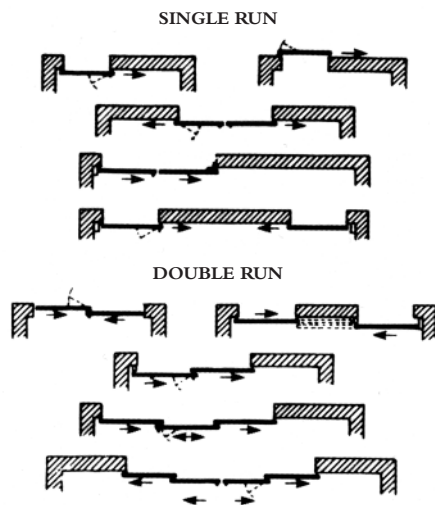
Sterling Metal Door System No.	225	350	800	2000	3600	8000
<b>Maximum Door Height</b>	3300mm	4000mm	5200mm	7500mm	12500mm	20000mm
<b>Maximum Door Weight</b>	225kg	350kg	800kg	2000kg	3600kg	8000kg
<b>Door Thickness</b>	44-50mm	44-54mm	54-63mm	58-70mm	152min	152min
<b>Top Guide Channel</b> Twice the width of doors (More if doors slide further) Available lengths: 2, 2.5 & 3m	900	99	99	13	Not by PCH	
<b>Brackets</b> , single run (face fixing) <b>Brackets</b> , double run (face fixing) Fix every 900mm max and at channel joints	1/900 5/900	31 35	31 35	1/13 5/13	Not by PCH Not by PCH	
<b>Guides</b> - 2 per door	104/900	104/99	104/99	104/13	104S*	104S*
<b>Bottom Rollers</b> 2 per door - standard	5S	1S	3S	4SJ	3600**	8000**
<b>Bottom Rollers</b> 2 per door - Bolt on rollers also available in 'V' square or 'U' tread, see below	5SU	1SU	3SU	4SJU		
<b>Bottom Rail</b> (same length as guide channel)	299	298	298	298	297***	297***
<b>Bow Handle</b> 1 per door (used on single doors)	463	463	463	464	464	464

\* Fit 4 per door, available in choice of 125, 175 & 200mm diameters.

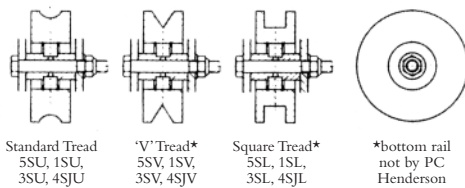
\*\* Made to suit door. Chain driven geared rollers available.

\*\*\* Only Available in 2.7m lengths (plain steel).

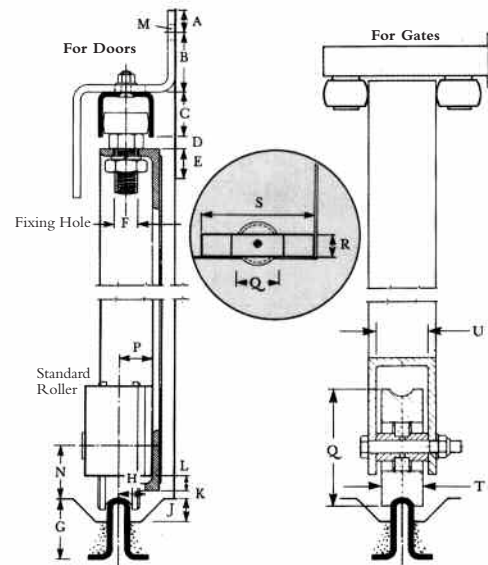
## EXAMPLE PLAN DETAILS



## BOLT ON OPTION



## SECTION DETAILS



## DIMENSIONS

TRACK	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U
225	10	10	38	20	25	17	50	14	16	3	11	12	30	19	75	50	229	25	35
350	20	50	38	10	25	21	50	22	20	6	13	12	44	29	110	75	305	40	50
800	20	50	38	10	25	21	50	22	20	6	13	12	62	32	146	75	381	40	50
2000	32	35	85	25	30	26	50	25	20	10	12	16	85	32	197	102	457	45	56
3600					20	127	32	65	44						286		105	128	
8000					20	203	32	65	44						436		105	128	

PC Henderson provide a full technical support service.

All dimensions are in mm.

### Round the corner

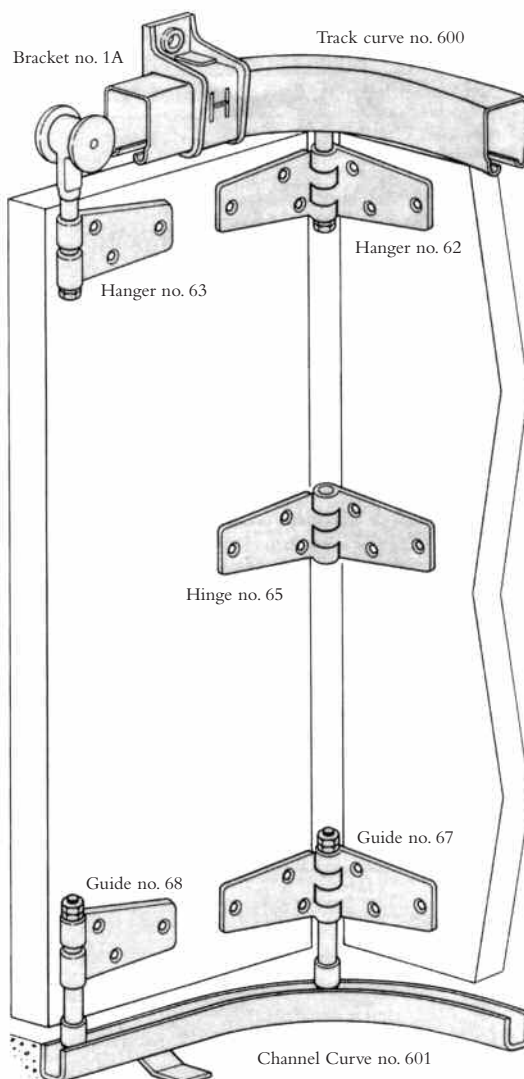
Robust top-hung door gear for round-the-corner residential, commercial or light industrial, wood or metal folding doors; deluxe fittings are also available in polished or satin anodised aluminium finishes. The doors leaves may be panelled, flush or glazed. Four systems are available to suit door leaf weights up to 80kg.

#### COMPONENTS

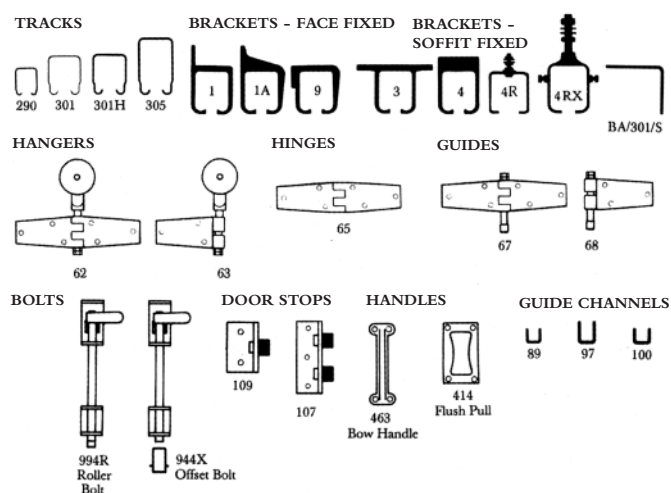
Components supplied include: track; track curves; support and jointing brackets; hangers; hinges; guides; bottom channel; channel curves; full range of accessories. (All steel parts are galvanised) Consult our Technical Sales Team or 'Expert' Service for guidance on quantities (see table for maximum door leaf width and drawing for door leaf detail).

#### INSTALLATION NOTES *(also see drawing)*

Hinges should be fixed to framing and joints of the door. For smooth operation, only 3-5 leaves should be hinged in one unit; any number of units may be used, sliding to one or both sides. The end door leaf under the curve normally forms a swinging access door (see plan for details). Typical installation detail drawings are also available.



#### CHOICE OF GEARS



# HOW TO CHOOSE YOUR DOOR HARDWARE

Read across to required door leaf weight and height, then read downwards.

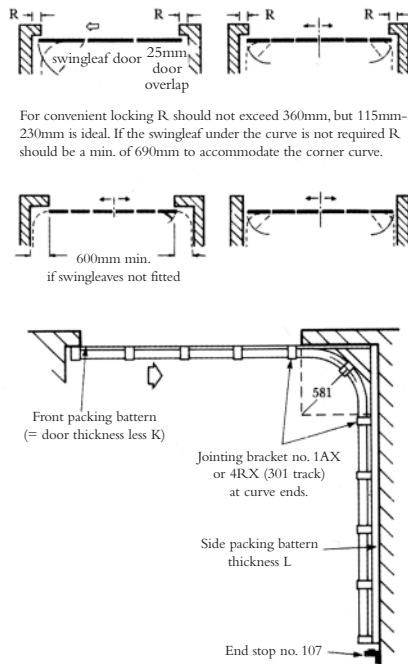
Tangent Round-the-corner System No.	290	301	301H	305
Maximum Door Leaf Height	2400mm	3300mm	3600mm	4500mm
Maximum Door Leaf Weight	35kg	55kg	70kg	80kg
Maximum Door Leaf Width (minimum 711mm)		900mm	900mm	900mm 900mm
Door Leaf Thickness		35-50mm	45-55mm	45-55mm 45-55mm
Track Front track = opening width + reveal R - 800 Side track = opening width Available lengths: 1.8, 2, 2.5, 3, 4 & 6m	290	301	301H	305
Track Curves Require 1, or 2 for biparting doors	600K	600B	600BH	600D
Brackets - face fixing Fix every 900mm max and at track joints and curves Fix jointing brackets/sleeve at both curved ends	1A/290 1AX/290	1A/301, 1AX/301 4RX/301TS	1A/301 4RX/301TS	1/305 1AX/305
Hangers 1 per door leaf joint and end leaf Intermediate leaves End Leaf	62K 63K	62A 63A	62A 63A	62C 63C
Hinges 3 in height*	65	65	65	65C
Guides - 1 per door leaf joint and end leaf Intermediate Leaves End Leaf	67/89 68/89	67/97 68/97	67/97 68/97	67C/97 68C/97
Channel - Same length as track Channel Curve - No. as track curves	89 601/89	97 601/97	97 601/97	97 601/97
Bow Handles 1 every 2 leaves Flush Pull 1 every 2 leaves Roller Bolt 1 per swingleaf door	463 414 994R/89	463 414 994R/97	463 414 994R/97	463 414 994R/97

\* Increase to 4 for doors over 3000mm high.

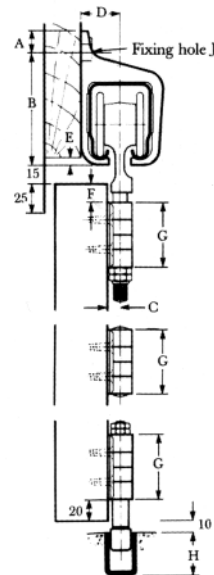
Fit offset bolt 994X on doors with trailing swingleaf, on all fixed units, unit of 5 leaves and biparting units.

INDUSTRIAL

## EXAMPLE PLAN DETAILS



## SECTION DETAILS



## DIMENSIONS

TRACK	A	B	C	D	E	F	G	H	J	K	L
290	13	67	11	27	6	10	57	25	M8	6	65
301/301H	20	97	11	35	6	15	57	25	M12	16	70
305	25	140	14	38	10	15	83	38	M16	16	75

PC Henderson provide a full technical support service.



### External folding

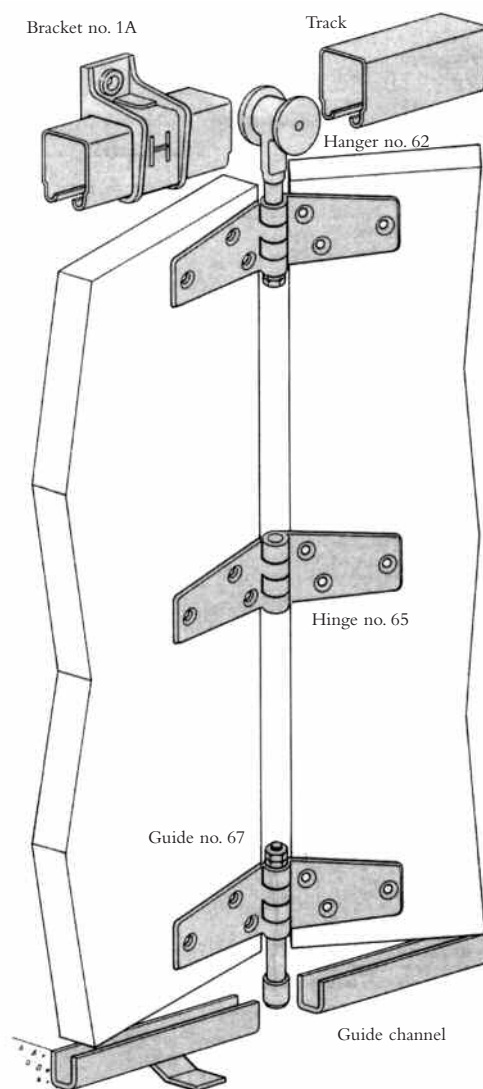
Robust top-hung door gear for commercial or light industrial wood or metal folding doors; deluxe fittings are also available in polished or satin anodised aluminium finishes. The door leaves may be panelled, flush or glazed. Seven systems are available to suit door leaf weights up to 80kg.

### COMPONENTS

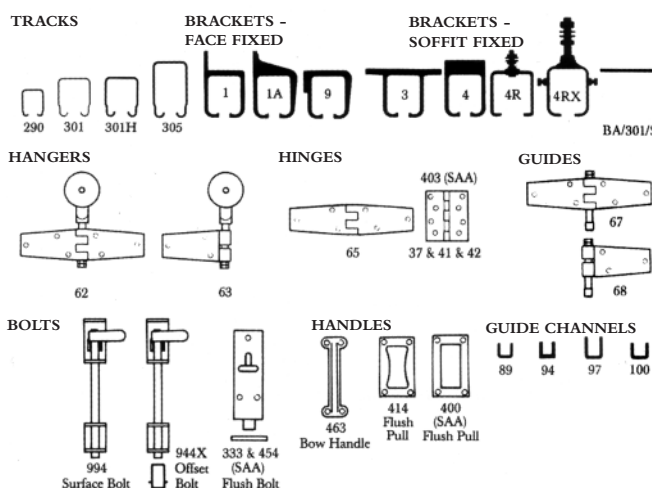
Components supplied include: track; support brackets; hangers; hinges; guides; bottom channel; range of accessories. (All steel parts are galvanised.) Consult our Technical Sales Team or 'Expert' Service for guidance on quantities (see table for maximum door leaf width and drawings for door leaf detail).

### INSTALLATION NOTES *(also see drawing)*

Hinges should be fixed to framing and joints to the door. Up to 8 door leaves can be hinged to jamb within the opening or behind a reveal. Freefloating units may also be used of 4, 6 or 8 door leaves for stability. A swinging pass door is only suitable for door leaves under 3000mm high and is obtained by using 3 or 5 door leaves hinged to the jamb or an independently hung door leaf (see plan for details). If over 3000mm high, an independently hung door leaf is recommended. Typical installation detail drawings are also available.



### CHOICE OF GEARS



# HOW TO CHOOSE YOUR DOOR HARDWARE

Read across to required door leaf weight and height, then read downwards.

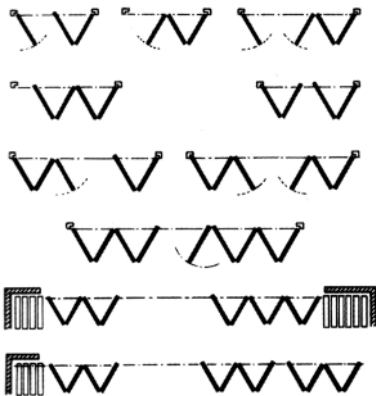
Tangent Folding System No.	290S	290D	301S	301D	301HS	301HD	305S
<b>FINISH**</b>	STANDARD	DELUXE	STANDARD	DELUXE	STANDARD	DELUXE	STANDARD
<b>Maximum Folding Door Leaf Height</b>	2400mm	2400mm	3300mm	3300mm	3600mm	3600mm	4500mm
<b>Maximum Folding Door Leaf Weight</b>	35kg	35kg	55kg	55kg	70kg	70kg	80kg
<b>Maximum Folding Door Leaf Width</b>	900mm	900mm	900mm	900mm	900mm	900mm	900mm
<b>Door Leaf Thickness</b>	35-50mm	35-50mm	45-55mm	45-55mm	45-55mm	45-55mm	45-55mm
<b>Track</b> Equal to width of opening (extra if doors slide further) Available lengths: 1.8, 2, 2.5, 3, 4 & 6m	290	290	301	301	301H	301H	305
<b>Brackets</b> - face fixed <b>Brackets</b> - soffit fixed Fix every 900mm max and at track joints Fix extra bracket where door leaves stack	1A/290 3A/290	1A/290 3A/290	1A/301 3A/301	1A/301 3A/301	1A/301 3A/301	1A/301 3A/301	1A/305 3A/305
<b>Hangers</b> 1 every 2 door leaves Intermediate door leaves End Leaf	62K 63K	62K/P 63K/P	62A 63A	62A/P 63A/P	62A 63A	62A/P 63A/P	62C 63C
<b>Hinges</b> 3 in height*	65	403/2 403/3	65	403/2 403/3	65	403/2 403/3	65C
<b>Guides</b> - 1 every 2 door leaves Intermediate Leaves End Leaf	67/89 68/89	67/94P 68/94P	67/97 68/97	67/94P 68/94P	67/97 68/97	67/94P 68/94P	67C/97 68C/97
<b>Channel</b> - Same length as track (Galvanised wire steel)	89	94	97	94	97	94	97
<b>Handles</b> 1 every 2 door leaves <b>Bolts</b> 1 every 2 door leaves	463 994	400 333	463 994	400 454	463 994	400 454	463 994

\*\* Standard or deluxe finishes (polished/anodised fittings) are available. \* Increase to 4 hinges when doors exceed 3000mm high

No more than 8 leaves should be hinged together, and can be hinged to jamb or floating.

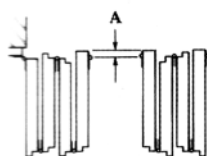
A swinging pass door is obtained by using 3 or 5 leaves hinged to jamb, or an independently hung door leaf. For doors over 3000mm high a wicket door is recommended.

## EXAMPLE PLAN DETAILS



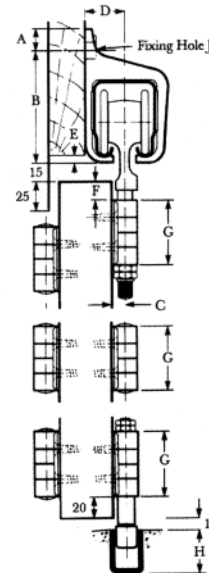
### WIDTH OF LEAVES

ALL ALIKE EXCEPT END LEAVES WITH HANGERS WHICH MUST BE WIDER BY DIMENSION 'A'



TANGENT FOLDING & FOLDING DELUXE	A
TRACK 290	20
TRACK 301/301H	30
TRACK 305	38

## SECTION DETAILS



### DIMENSIONS

TRACK	A	B	C	D	E	F	G	H	J
290	13	67	11	27	6	10	57	25	M8
301/301H	20	97	11	35	6	15	57	38	M12
305	25	140	14	38	10	15	83	38	M16

PC Henderson provide a full technical support service.

### Endfold partition

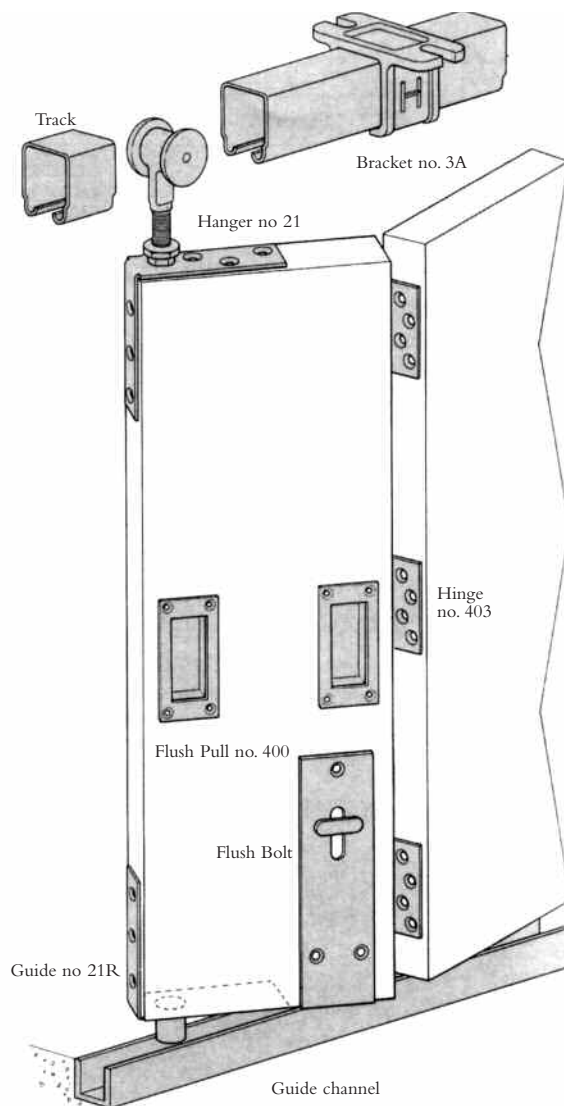
Quality top-hung gear and fittings for end folding wood partition doors. Four systems are available to a maximum leaf weight of 80kg.

#### COMPONENTS

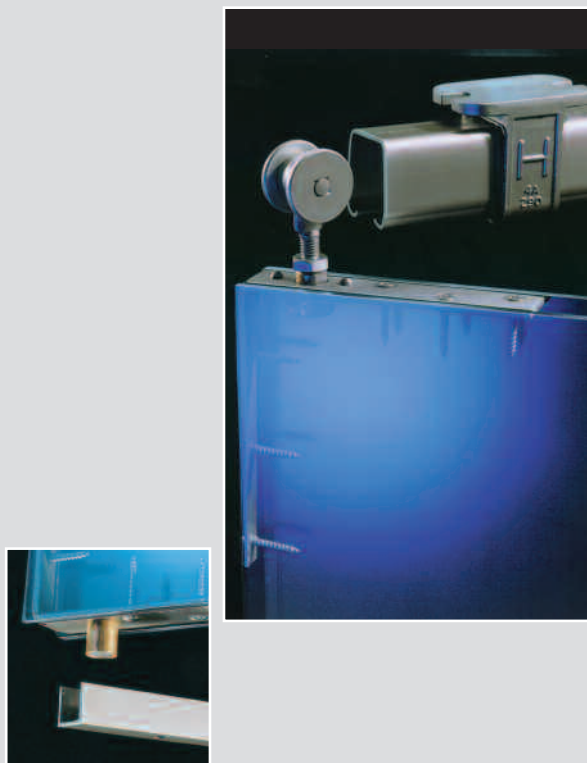
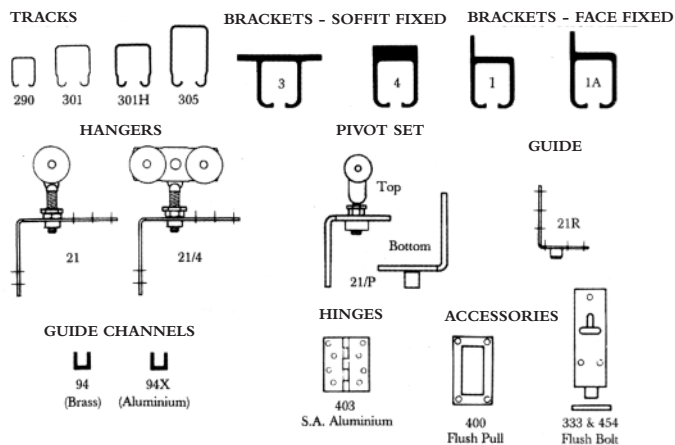
Components supplied include: support brackets and track; top hangers; hinges; guides; bottom channel; full range of accessories. Consult our Technical Sales Team or 'Expert' Service for guidance on quantities. (See table for maximum door leaf width).

#### INSTALLATION NOTES *(also see drawing)*

Doors must be constructed with solid top and bottom rails and stiles for secure fixing of components. Door leaves may be panelled, flush or glazed. For best operation, no more than 8 door leaves are to be hinged to one jamb (see inset drawing for fixing detail of flush endfold pivot gear) or anchored by pivots. Alternatively door leaves may be floating in units of 4, 6 or 8. An access door can be a swing leaf at the end of either the 3, 5 or 7 door leaf unit or independently hung to the jamb. On door heights over 3000mm consult our Technical Sales Team. Typical installation detail drawings are also available



#### CHOICE OF GEARS



# HOW TO CHOOSE YOUR DOOR HARDWARE

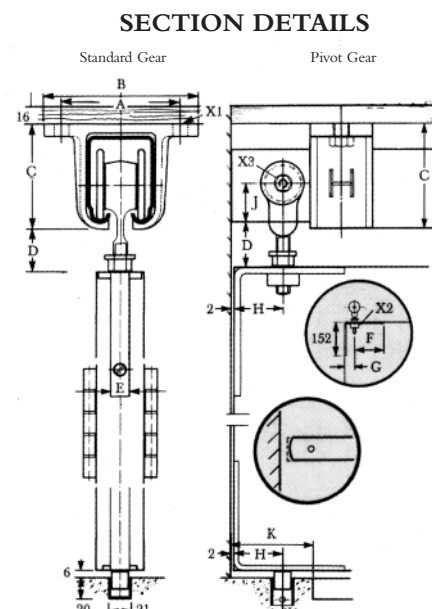
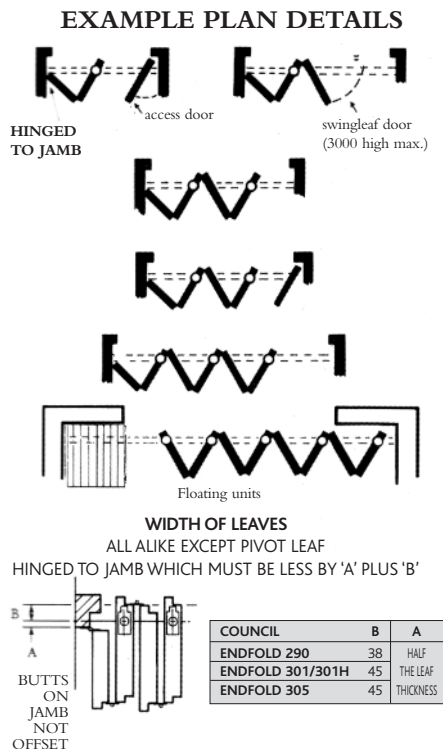
Read across to required door leaf weight and height, then read downwards.

Council Endfold System No.	290	301	301H	305
Maximum Folding Door Leaf Height	2700mm	3300mm	3600mm	4500mm
Maximum Folding Door Leaf Weight	35kg	55kg	70kg	80kg
Maximum Folding Door Leaf Width	900mm	900mm	900mm	900mm
Door Leaf Thickness	35-44mm	44-57mm	44-57mm	44-57mm
Track equal to width of opening (extra if doors slide further) Available lengths: 1.8, 2, 2.5, 3, 4 & 6m	290	301	301H	305
Brackets - Soffit fixed. Fix every 900mm max and at track joints Fix extra bracket where doors stack	3A/290	3A/301	3A/301	3A/305
Hangers 1 every 2 leaves (+ endleaf of floating unit only) Alternative type if adjacent to swingleaf	21K/N 21K/4N	21A/S 21A/4S	21A/S 21A/4S	21C/S
Hinges 3 in height* Alternative pivot set where equal width leaves are to be Anchored at one end	403/1 21K/P	403/2 21A/P	403/2 21A/P	403/3
Guides - 1 every 2 leaves (+ endleaf of floating unit only)	21KR/94	21R/94	21R/94	21R/94
Guide Channel - Same length as track - brass (available in 1.5 & 3m lengths) aluminium (available in 1.5, 2, 2.5 & 3m lengths)	94 94X	94 94X	94 94X	94 94X
Flush Pull 1 every 2 leaves (2 on end leaves of units)	400	400	400	400
Flush Bolt 1 every 2 leaves	333	454	454	454

No more than 6 leaves should be hinged together and can be hinged to jamb or floating.

A swinging pass door is obtained by using a 3 or 5 door leaf unit up to 3000mm high, or an independently hung leaf.

\* Increase to 4 hinges for doors over 3000mm high.



DIMENSIONS													
TRACK	A	B	C	D	E	F	G	H	J	K	X1	X2	X3
290	64	83	56	20	13	114	38	38	20	70	M8	13	M6
301/30H	100	130	86	45	18	133	45	45	35	75	M12	20	M8
305	125	168	121	60	18	133	45				M16	20	

PC Henderson provide a full technical support service.

All dimensions are in mm.

### Centrefold partition

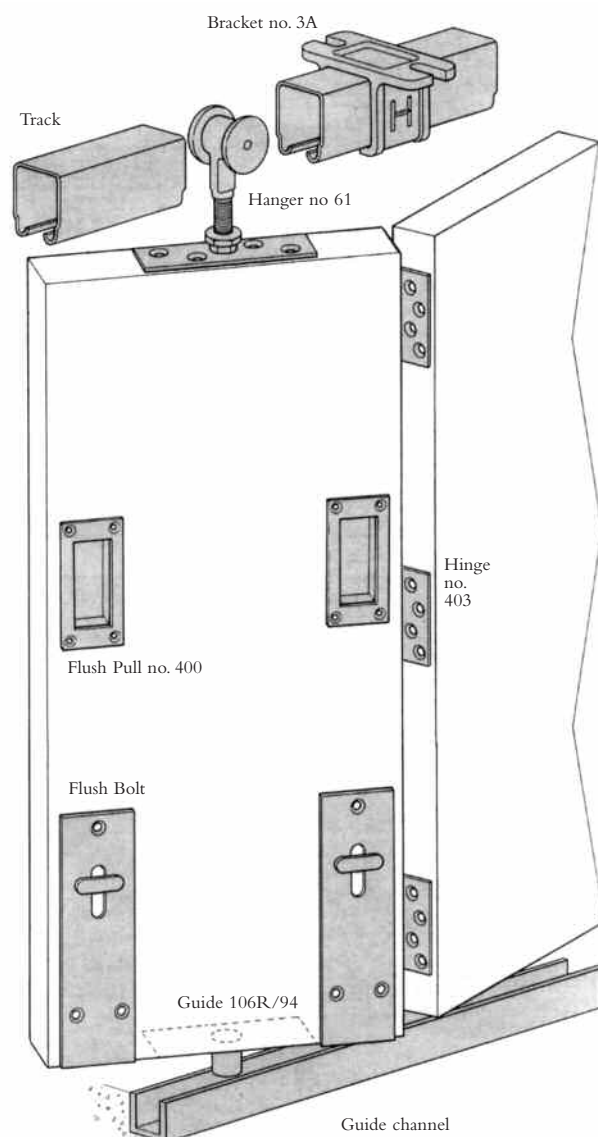
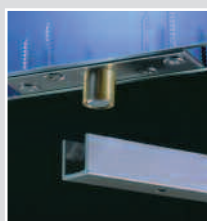
Quality top-hung gear and fittings for centre folding wood partition doors. Four systems are available to a maximum leaf weight of 80kg.

#### COMPONENTS

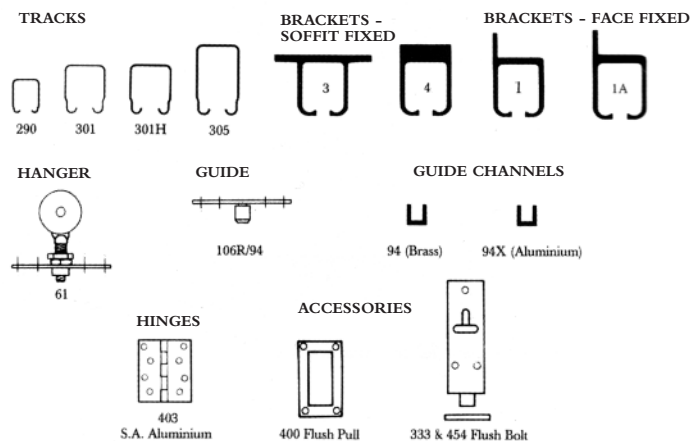
Components supplied include: support brackets and track; top hangers; hinges; guides; bottom channel; full range of accessories. Consult our Technical Sales Team or 'Expert' Service for guidance on quantities. (See table for maximum door leaf width).

#### INSTALLATION NOTES *(also see drawing)*

Doors must be constructed with solid top and bottom rails and stiles for secure fixing of the components. Door leaves may be panelled, flush or glazed. For best operation, no more than 7<sup>1</sup>/<sub>2</sub> door leaves are to be hinged to one jamb (see inset drawing for fixing detail), alternatively door leaves may be floating in units 5, 7 or 9. Any access door should be hung separately to the jamb. Typical installation detail drawings are also available.



#### CHOICE OF GEARS





# HOW TO CHOOSE YOUR DOOR HARDWARE

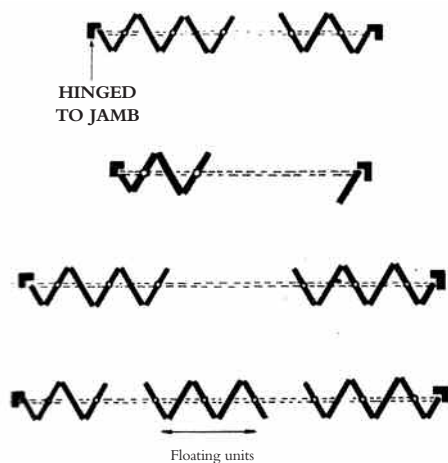
Read across to required door leaf weight and height, then read downwards.

Council Centrefold System No.	290	301	301H	305
Maximum Folding Leaf Height	2700mm	3300mm	3600mm	4500mm
Maximum Folding Leaf Weight	35kg	55kg	70kg	80kg
Maximum Folding Leaf Width	1000mm	1000mm	1000mm	1000mm
Door Thickness	35-44mm	44-57mm	44-57mm	44-57mm
Track Equal to opening width Available lengths: 1.8, 2, 2.5, 3, 4 & 6m	290	301	301H	305
Brackets - Soffit fixed. Fix every 900mm max and at track joints Fix extra bracket where doors stack	3A/290	3A/301	3A/301	3A/305
Hangers 1 every 2 leaves	61K/S	61A/S	61A/S	61C/S
Hinges 3 in height*	403/1	403/2	403/2	403/3
Guides - 1 every 2 leaves	106R/94	106R/94	106R/94	106R/94
Guide Channel - Same length as track - brass (available in 1.5 & 3m lengths) aluminium (available in 1.5, 2, 2.5 & 3m lengths)	94 94X	94 94X	94 94X	94 94X
Flush Pull 1 every 2 leaves (2 on end leaf)	400	400	400	400
Flush Bolt 1 every 2 leaves (2 on end leaf)	333	454	454	454

Door should consist of 3, 5 or 7 folding leaves, with extra half leaf hinged to jamb. Alternatively, 5, 7 or 9 leaves may be floating.

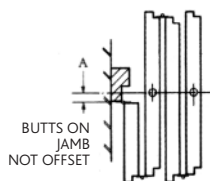
\* Increase to 4 hinges for doors over 3000mm high.

## EXAMPLE PLAN DETAILS



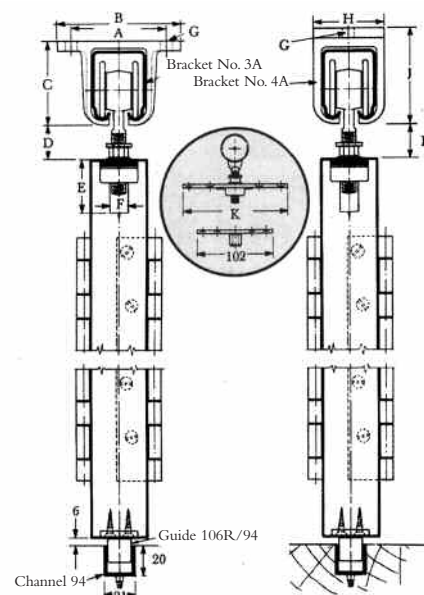
### WIDTH OF LEAVES

ALL ALIKE EXCEPT PIVOT LEAF HINGED TO JAMB WHICH MUST BE HALF THE WIDTH OF A FULL LEAF LESS 'A'



COUNCIL	A
CENTREFOLD 290	HALF
CENTREFOLD 301/301H	THE LEAF
CENTREFOLD 305	THICKNESS

## SECTION DETAILS



### DIMENSIONS

TRACK	A	B	C	D	E	F	G	H	J	K
290	64	83	56	23	38	13	M8	48	67	140
301/301H	100	130	86	45	50	20	M12	75	95	184
305	125	168	121	60	65	20	M16	83	137	241

PC Henderson provide a full technical support service.

All dimensions are in mm.

### Endfold partition

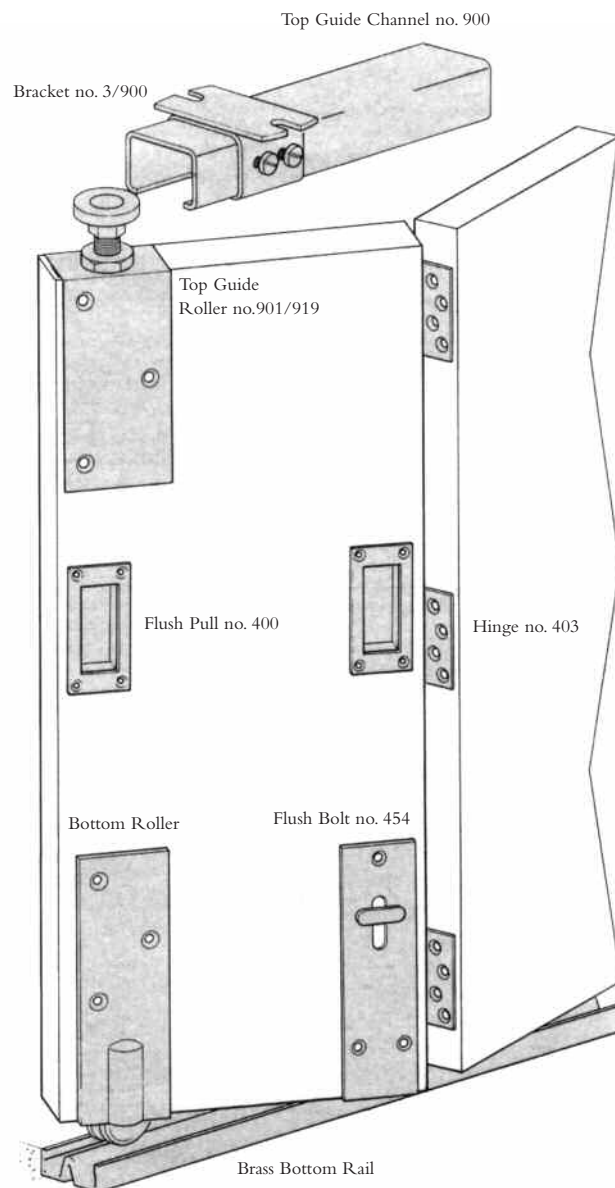
High quality bottom roller gear and fittings for end folding wood partitions doors. Two systems are available for a maximum door leaf weight of 140kg.

#### COMPONENTS

Components supplied include: top guide brackets; top guide channel; top guide rollers; hinges; bottom rollers; bottom rail; full range of accessories. Consult our Technical Sales Team or 'Expert' Service for guidance on quantities. (See table for maximum door leaf width).

#### INSTALLATION NOTES *(also see drawing)*

Doors must be constructed with solid top and bottom rails and stiles for secure fixing of components. Minimum 50mm wide and 75mm deep stiles for 923 concealed rollers (max. door weight 70kg) 125mm deep stiles for 920 rollers, 150mm deep for 919H rollers and 200mm deep bottom rails. Door leaves may be panelled, flush or glazed. For best operation, no more than 8 door leaves are to be hinged to one jamb (see inset drawing for fixing detail), alternatively door leaves may be floating in units of 6 or 8. Any swing door should be hung separately to the jamb. Typical installation drawings are also available.



#### CHOICE OF GEARS

##### TOP GUIDE



##### BRACKETS - SOFFIT FIXED

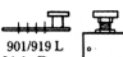


##### BRACKETS - FACE FIXED



##### TOP GUIDE ROLLERS

for door leaf sizes  
<300mm wide  
2400mm high



901/919 H & HD  
Heavy Duty



##### HINGES

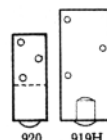


403  
S.A. Aluminium

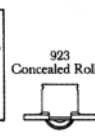


403/4  
Polished Brass

##### BOTTOM ROLLERS



920



919H

##### ACCESSORIES



923  
Concealed Roller



400  
Flush Pull

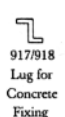


454  
Flush Bolt

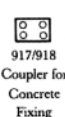
##### BRASS RAIL



917 & 918



917/918  
Lug for  
Concrete  
Fixing



917/918  
Coupler for  
Concrete  
Fixing

# HOW TO CHOOSE YOUR DOOR HARDWARE

Read across to required door leaf weight and height, then read downwards.

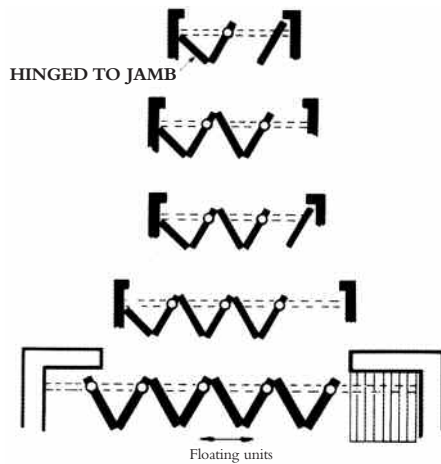
College Endfold System No.	ENDFOLD 70	ENDFOLD 140
Maximum Folding Leaf Height	3600mm	5500mm
Maximum Folding Leaf Weight	70kg	140kg
Maximum Folding Leaf Width	900mm	900mm
Door Thickness	44mm	54mm
Top Guide Channel Equal to opening width (extra if doors slide further) Available lengths: 2, 2.5 & 3m	900	900
Brackets - Soffit fixed. Fix every 600mm max and at channel joints Fix extra bracket where doors stack	3/900	3/900
Top Guide Rollers 1 every 2 leaves (+ endleaf of floating unit only)	901/919H	901/919HD
Hinges 3 in height*	403/2	403/3
Bottom Rollers 1 every 2 leaves (+ endleaf of floating unit only)	920/923	919H
Bottom Rail - same length as Top Guide Channel Available lengths 1.5m & 3m	918	917
Flush Pull 1 every 2 leaves (2 on end leaf)	400	400
Flush Bolt 1 every 2 leaves	454	454

\* Increase to 4 hinges when doors exceed 3000mm high.

No more than 8 door leaves should be hinged to jamb.

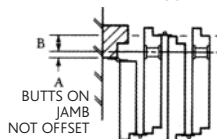
An access door can be independently hinged to a jamb or a wicket door fitted, but a swing door should not be attached to a folding unit.

## EXAMPLE PLAN DETAILS



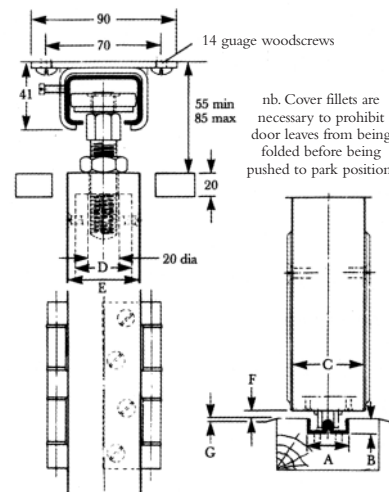
### WIDTH OF LEAVES

ALL ALIKE EXCEPT PIVOT LEAF HINGED TO JAMB WHICH MUST BE LESS BY 'A' PLUS 'B'



COLLEGE	B	A
ENDFOLD 70	38	HALF THE LEAF THICKNESS
ENDFOLD 140	51	

## SECTION DETAILS



### DIMENSIONS

SYSTEM	A	B	C	D	E	F	G
ENDFOLD 70	25	10	44	34	44	5	2
ENDFOLD 140	35	13	54	44	54	6	3

PC Henderson provide a full technical support service.

All dimensions are in mm.

### Centrefold partition

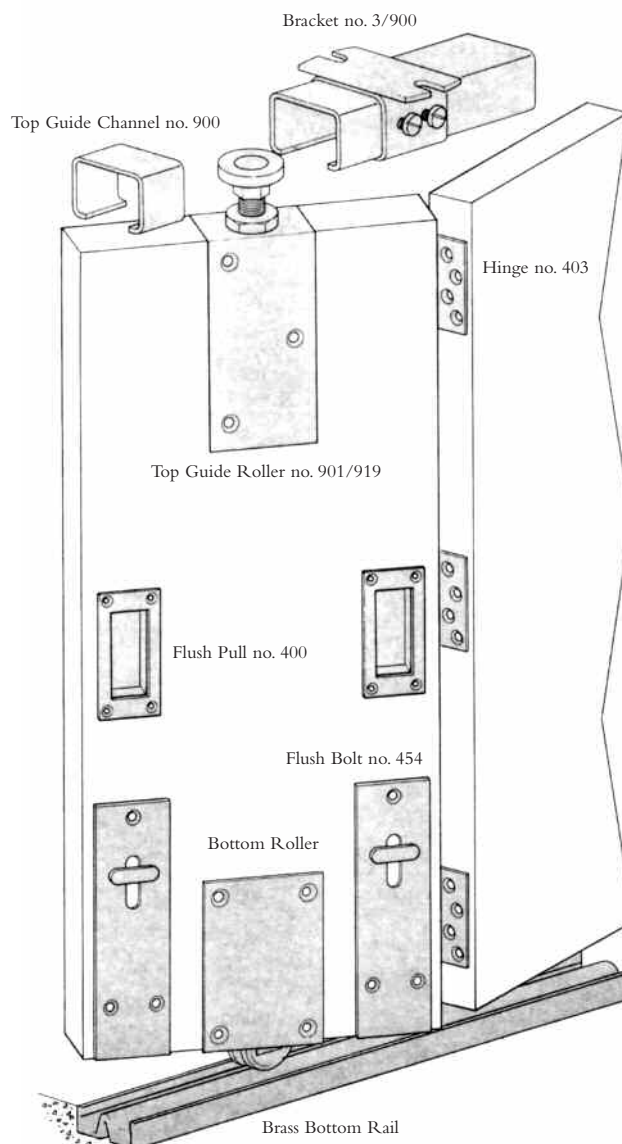
High quality bottom roller gear and fittings for centre folding wood partition doors. Two systems are available for a maximum door leaf weight of 140kg.

#### COMPONENTS

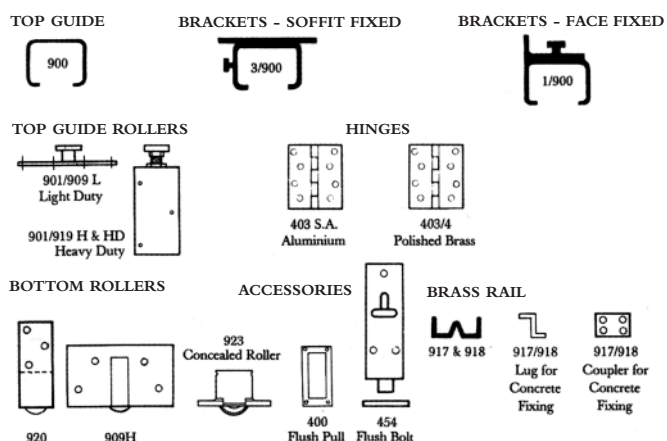
Components supplied include: top guide brackets; top guide channel; top guide rollers; hinges; bottom rollers; bottom rail; full range of accessories. Consult our Technical Sales Team or 'Expert' Service for guidance on quantities. (See table for maximum door leaf width).

#### INSTALLATION NOTES *(also see drawing)*

Doors must be constructed with solid top and bottom rails and stiles for secure fixing of components. Minimum 50mm wide and 75mm deep stiles for 923 concealed rollers (max. door weight 70kg). Minimum 200mm deep for bottom rails. Door leaves may be panelled, flush or glazed. For best operation, no more than 7½ door leaves to be hinged to one jamb (see inset drawing for fixing detail), alternatively door leaves may be floating in units of 5 or 7. Any swing door should be hung separately to the jamb. Typical installation detail drawings are also available.



#### CHOICE OF GEARS



# HOW TO CHOOSE YOUR DOOR HARDWARE

Read across to required door leaf weight and height, then read downwards.

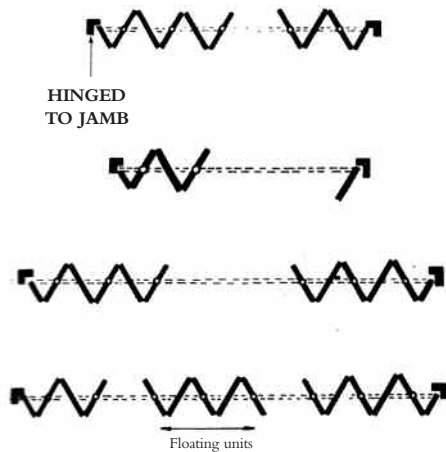
College Centrefold System No.	CENTREFOLD 70	CENTREFOLD 140
Maximum Folding Leaf Height	3600mm	5500mm
Maximum Folding Leaf Weight	70kg	140kg
Maximum Folding Leaf Width	1000mm	1000mm
Door Thickness	44mm	54mm
Top Guide Channel Equal to opening width Available lengths: 2, 2.5 & 3m	900	900
Brackets - Soffit fixed. Fix every 600mm max and at channel joints Fix extra bracket where doors stack	3/900	3/900
Top Guide Rollers 1 every 2 leaves	901/919H	901/919HD
Hinges 3 in height*	403/2	403/3
Bottom Rollers 1 every 2 leaves	920/923	909H
Bottom Rail - same length as Guide Channel Available lengths 1.5m & 3m	918	917
Flush Pull 1 every 2 leaves**	400	400
Flush Bolt 1 every 2 leaves**	454	454

\* Increase to 4 hinges when doors exceed 3000mm high.

No more than 7½ leaves should be hinged to the jamb, or 7 leaves maximum for a floating unit

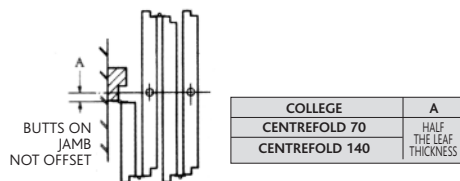
An access door can be independently hinged to a jamb, but a swing door should not be attached to a folding unit. \*\* Two on endleaves of units.

## EXAMPLE PLAN DETAILS

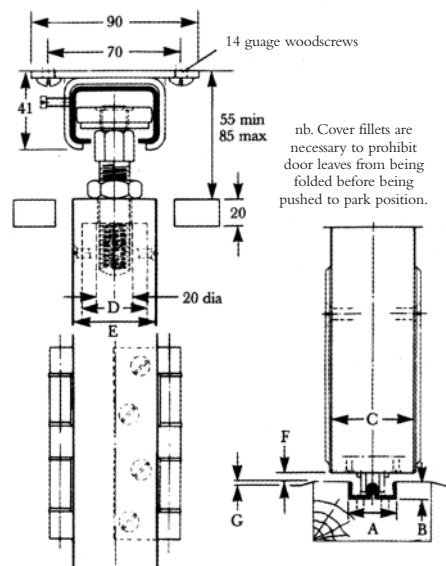


### WIDTH OF LEAVES

ALL ALIKE EXCEPT PIVOT LEAF HINGED TO JAMB WHICH MUST BE HALF THE WIDTH OF A FULL LEAF LESS 'A'



## SECTION DETAILS



### DIMENSIONS

SYSTEM	A	B	C	D	E	F	G
CENTREFOLD 70	25	10	44	34	44	5	2
CENTREFOLD 140	35	13	54	44	54	6	3

PC Henderson provide a full technical support service.

All dimensions are in mm.



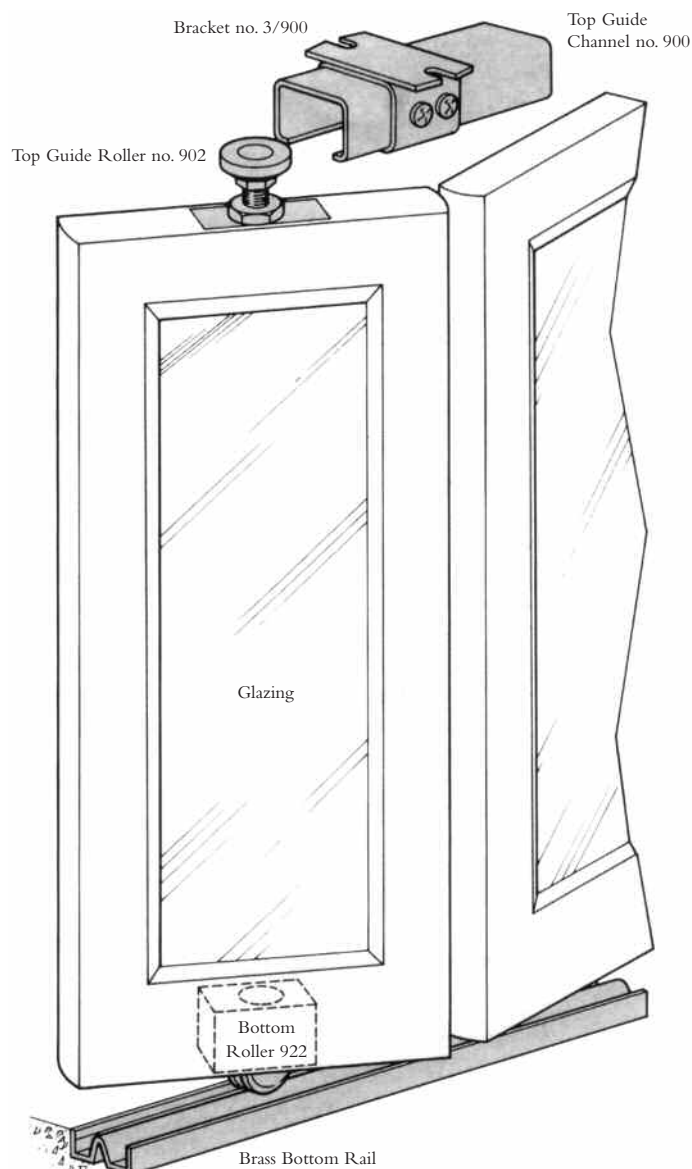
High quality bottom roller gear and fittings for end and centre folding aluminium section glazed for retail and display applications to a maximum door leaf weight of 70kg.

### COMPONENTS

Components supplied include: top guide brackets; top guide channel; top guide rollers; back flap hinges; bottom rollers; bottom rail; full range of accessories. Consult our Technical Sales Team or 'Expert' Service for guidance on quantities. (See table for maximum leaf width).

### INSTALLATION NOTES *(also see drawing)*

For doors constructed with standard aluminium section rails and stiles, with glazed panels. For best endfold operation, no more than 8 door leaves to be hinged to one jamb (see inset drawing for fixing detail), alternatively door leaves may be floating in units of 6 or 8. Any access door should be hung separately to the jamb. For best centrefold operation, not more than 7½ door leaves to be hinged to one jamb (see inset drawing for fixing detail), alternatively door leaves may be floating in units of 5 or 7. Any access door should be hung separately to the jamb. Typical installation detail drawings are also available.



### CHOICE OF GEARS

#### TOP GUIDE



#### BRACKETS - SOFFIT FIXED



#### BRACKETS - FACE FIXED



#### TOP GUIDE ROLLERS



Adjustable Guide No. 902

#### HINGES



65 Aluminium

#### BOTTOM ROLLERS

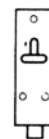


922

#### ACCESSORIES



400  
Flush Pull



454  
Flush Bolt

#### BRASS RAIL



917 & 918



917/918  
Lug for  
Concrete  
Fixing



917/918  
Coupler for  
Concrete  
Fixing

# HOW TO CHOOSE YOUR DOOR HARDWARE

Read across to required door leaf weight and height, then read downwards.

Arcade System No.	ENDFOLD A70	CENTREFOLD A70
Maximum Folding Leaf Height	3600mm	3600mm
Maximum Folding Leaf Weight	70kg	70kg
Maximum Folding Leaf Width	900mm	1000mm
Door Thickness	45-47mm	45-47mm
Top Guide Channel Equal to opening width Available lengths: 2, 2.5 & 3m	900	900
Brackets - Soffit fixed. Fix every 600mm max and at channel joints Fix extra bracket where doors stack	3/900	3/900
Top Guide Rollers 1 every 2 leaves	902	902
Hinges 3 in height*	65	65
Bottom Rollers 1 every 2 leaves	922	922
Bottom Rail - same length as Guide Channel Available lengths 1.5m & 3m	918	918
Flush Pull 1 every 2 leaves**	400	400
Flush Bolt 1 every 2 leaves**	454	454

\* Increase to 4 hinges when doors exceed 3000mm high.

Endfold: No more than 8 leaves should be hinged to the jamb. Centrefold: No more than 7½ leaves should be hinged to the jamb, or 7 leaves maximum for a floating unit. An access door can be independently hinged to a jamb, but a swing door should not be attached to a folding unit. \*\* Two on endleaves of units.

## EXAMPLE PLAN DETAILS

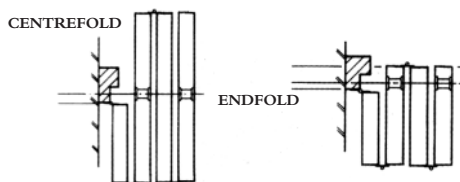
### ENDFOLD



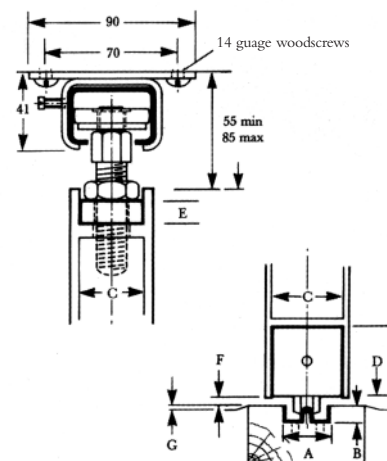
### CENTREFOLD



WIDTH OF LEAVES  
DEPENDENT ON DOOR CONSTRUCTION CONSULT  
OUR TECHNICAL SALES TEAM



## SECTION DETAILS



### DIMENSIONS

SYSTEM	A	B	C	D	E	F	G
END & CENTREFOLD	25	10	38	38	12	5	2

PC Henderson provide a full technical support service.

All dimensions are in mm.

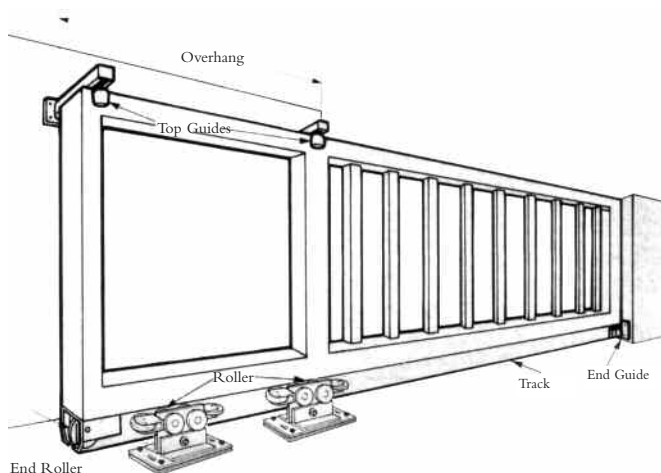
Quality, heavy duty cantilever gear for sliding metal gates suitable for industrial and commercial use - examples of use include security, traffic control and where the road surface is uneven, eg railway lines. Cantilever gates leave the roadway free of channels, guide rails or other obstructions, using a track which fits to the bottom rail of the gate and runs on internal rollers for security and weather protection, it can also be used for heavy doors where no overhead support exists. Two systems are available to suit openings up to 10m wide and weights up to 1000kg (automated - automation not by PC Henderson or manually operated).

### COMPONENTS

All steel parts are galvanised and components supplied per gate include: bottom rollers; top guides; end guides; end rollers; track - length is determined by the opening width plus overhang. The table opposite indicates choice of gear dependent on gate weight, overhang and opening width.

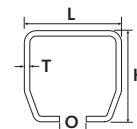
### INSTALLATION NOTES *(also see drawing)*

Gates should be constructed from welded square steel tubing. Enough space is required to slide the gate completely clear of the opening. Rollers should be mounted on substantial concrete footings and spaced as widely as possible. Typical installation detail drawings are also available.



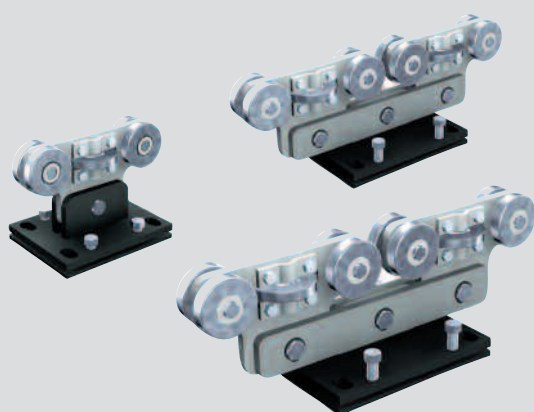
#### QUANTITY REQUIRED PER GATE

TRACK: OPENING WIDTHS PLUS OVERHANG (see opposite)  
ROLLERS x 2 - END GUIDES x 2 - TOP GUIDES x 2 - END ROLLER x 2

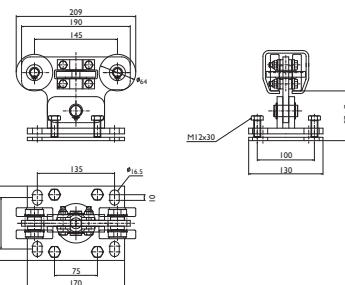


#### DIMENSIONS

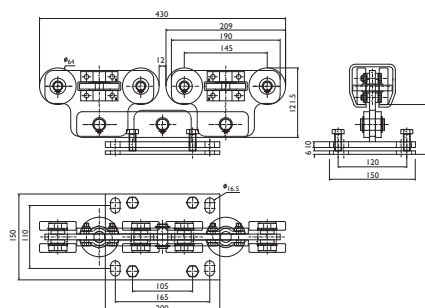
STEEL TRACK							
Part No.	Material	Length	Weight kg	L	H	O	T
700	Galvanised Steel	6m	51.5	80	75	22	4.5
710	Galvanised Steel	6m	90	90	110	25	6



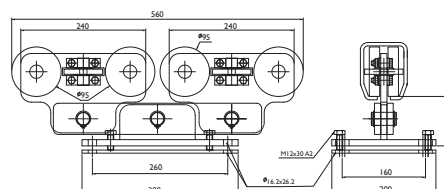
704



708



718



# HOW TO CHOOSE YOUR DOOR HARDWARE

Read across the chart to your required gate opening width, then read downward to estimate gate weight.  
Shaded area indicates roller type (refer to colour key) and the overhang length *C* that is required.

## OVERHANG LENGTH C IN METRES SHOWN IN BOXES

- Use a pair of rollers 704 and track 700 with end rollers 701 and end guide 702.
- Use a pair of rollers 708 and track 700, with end rollers 701 and end guide 702.
- Use a pair of rollers 718 and track 710 with end rollers 705 and end guide 712.

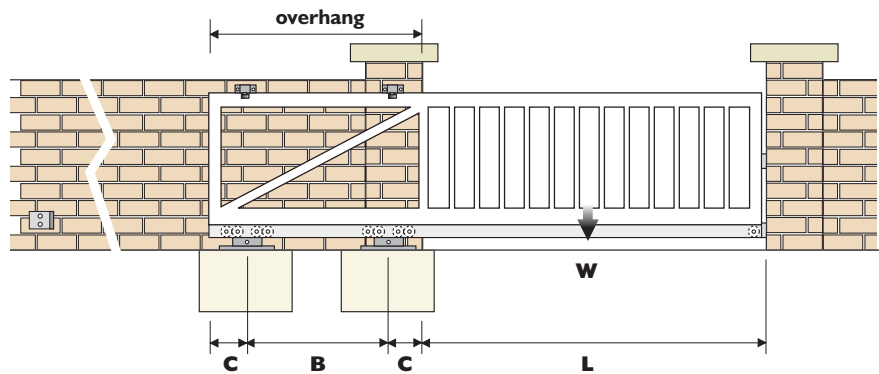
		Opening Width in Metres									
		3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0
Gate Weight in kg	Up to 250kg	0.235	0.235	0.235	0.235	0.235	0.235				
	Up to 550kg	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.410	0.410
	Up to 1000kg	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410

Note: To automate your Titan cantilever gate all figures and dimensions remain the same.

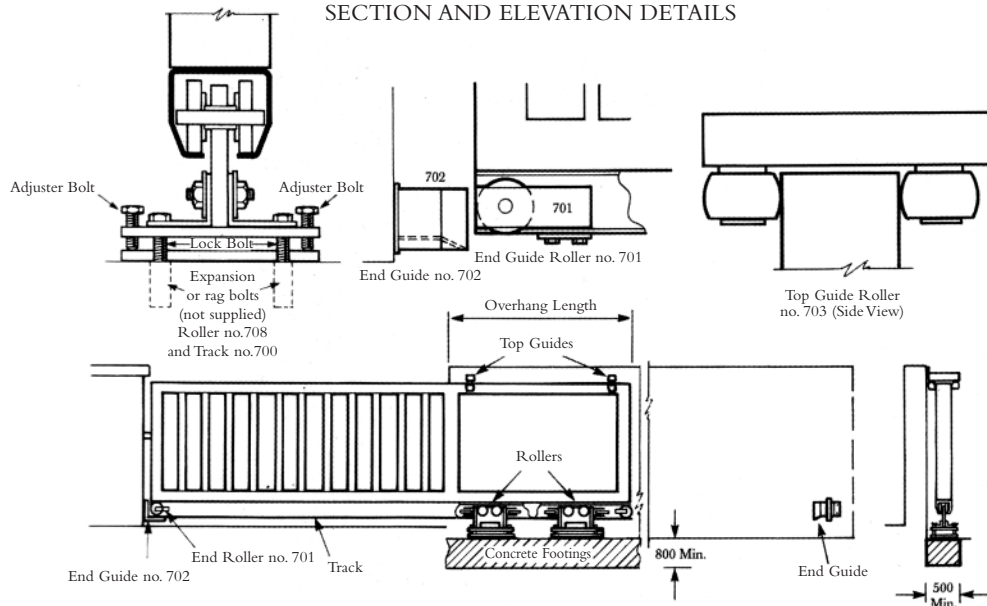
Min. weight of each concrete block for each roller =  $1.7 \times W$  (total gate weight with the track)  
(average concrete density : 2.6 to 2.8 kg/m<sup>3</sup>).

**B** (Distance between roller centres) =  $0.3 \times L$ .

**C** = Distance from centre of roller to gate adjacent cornered overhang, on each side in metres.



## SECTION AND ELEVATION DETAILS



Note: Rollers should be set as far apart as possible but allow space for end roller no.701 (130mm) at both track ends.

PC Henderson provide a full technical support service.

All dimensions are in mm.

Steel frame sections are supplied in kit form for on-site construction of economical, sturdy sliding doors. Doors should be clad with suitable metal or wood sheeting to choice (door cladding not supplied by PC Henderson). Versaframe is designed for use with 301 track, hangers and brackets. The wall mounted guide system (VG1) is ideal for farm doors or dirty industrial applications as no floor channel is needed. Conventional guide system (VG2) is a reliable system for use with bottom channel 97 and is suitable for doors up to 5m x 5m. The Versaframe kit is supplied per door and includes frame lengths and fittings. Order the frame section length kits plus the relevant fittings kit according to the door height and width (as per table). In addition to this you need to order 301 track to twice the width of the proposed door; 2 x 56 AX/S or 56AX/N hangers; sufficient 1/301/S brackets for fixing at 900mm centres along track - (600mm centres for doors over 400kg.) (See pages 8 - 9)

### INSTALLATION NOTES *(also see drawing)*

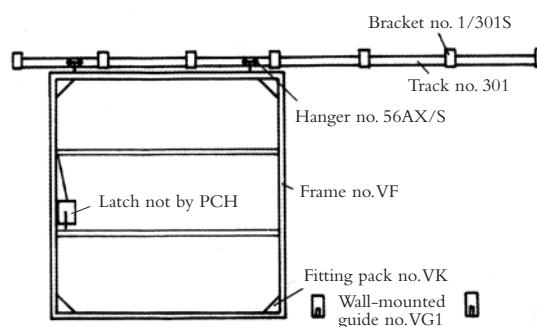
Door width should not exceed height. For the smoothest operation, width of door should be 2/3 height. Typical installation detail drawings are available.



Door width	Door Height				Track length of 301/301H	Min no. of 1/301/S Brackets required
	2m	3m	4m	5m		
2m	5xVF2	4xVF2	5xVF2	6xVF2	4m	6
		2xVF3	2xVF4	2xVF5		
4m		6xVF3	5xVF3	6xVF3	6m	8
			2xVF4	2xVF5		
5m			7xVF4	6xVF4	8m	11
				2xVF5		
				8xVF5	10m	13

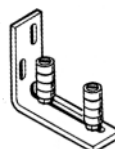
### Versaframe hangers, guides & fittings

2m	3m	4m	5m	
VK2	Vk3	VK4	VK5	Fitting kit per door height
2	2	2	2	no.56 AX hangers per door
VG1	VG1	VG1	VG1	Guide kit - wall mounted
VG2	VG2	VG2	VG2	Guide kit - standard (order channel 97 to same length as 301 track)

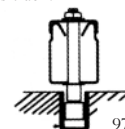


Guides: 1 kit required per leaf.

Wall-mounted guide no. VG1



Standard guide kit no. VG2, with guide channel no. 97, length as track.



### 301 FARM PACKS

#### SLIDING GEAR PACKS FOR TIMBER OR METAL DOORS

301 farm packs provide all components required for hanging a sliding timber or metal door weighing upto 400kg Sets contain 2 hangers no. 53AS/5 (+ locking nuts for metal doors) track no. 301 (twice door width); face fixing brackets no. 1/301/S (for approx. 900mm centres); 2 bracket end clips no. 1A/301/EC; 2 stay rollers no.126; 1 bow handle no. 463. For Biparting doors, order two sets plus no. 128 shoe guide/centre stop.

Door widths up to	Kits
1800mm	FP6
2700mm	FP9
3600mm	FP12





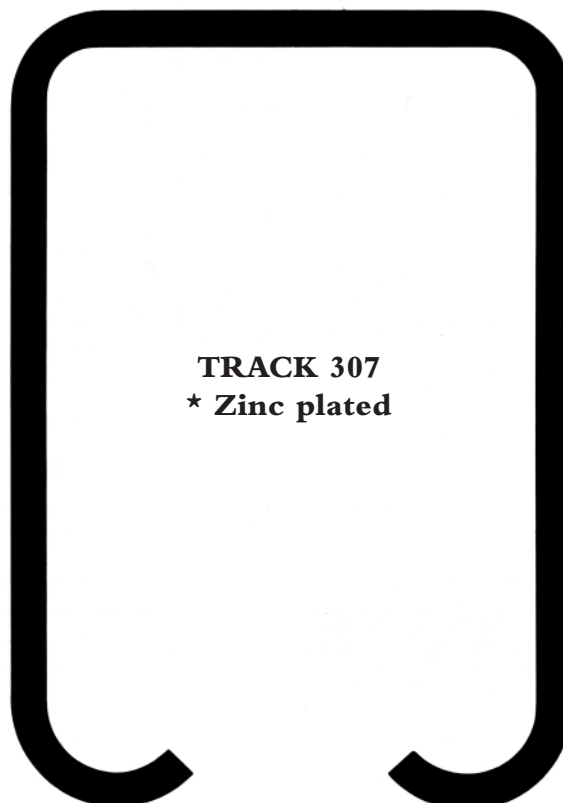
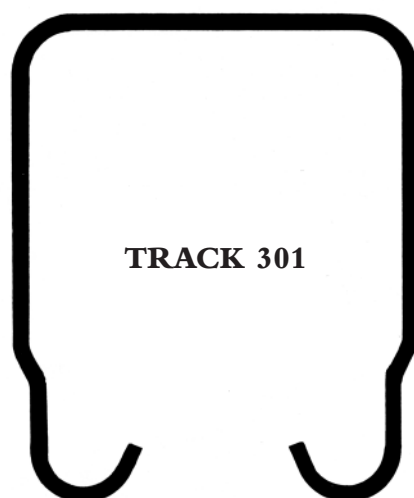
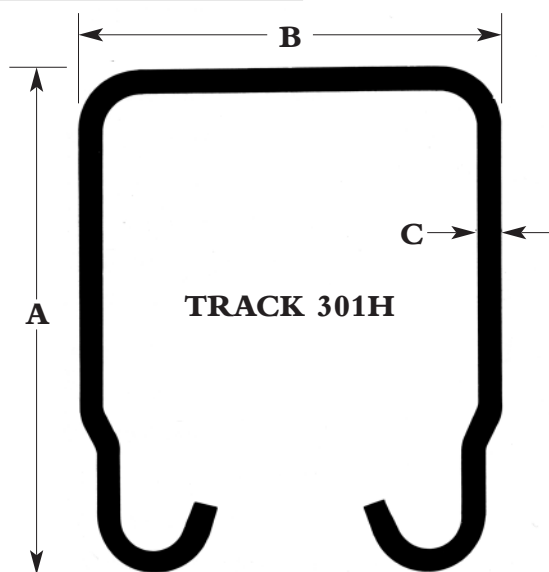
All tracks are in galvanised finish.\* Once installed they should be kept greased, to reduce wear and increase life. Any length of track is obtained by putting sections of track together and fixing a jointing bracket at the joints, and using end clips or closed brackets at each end.

### Available lengths

280-305: 1.8, 2, 2.5, 3, 4 & 6m

307: 2, 2.5 & 3m

DIMENSIONS						
(mm)	280	290	301	301H	305	307
A	29	45	66	66	93	104
B	32	36	55	55	57	73
C	1.2	2	2	3	3	5



FULL SIZE SECTIONS

All brackets are aluminium alloy die castings except where indicated with a suffix/S (eg 1/301/S) which are zinc plated steel. Fit closed brackets with end-clip at track ends. Joining brackets are required at each track joint. Maximum bracket spacing is every 900mm.

### BRACKETS - FACE FIXED

#### No. 1 or 1A



Cat No.	A	B	C	D	E	Bolt
1A/290	67	13	52	32	27	M8
1/290/S	75	13	55	60	27	M8
1A/301	97	19	73	57	35	M12
1/301/S	95	16	69	60	37	M12
1A/305	140	25	85	76	38	M16
1/307/S	159	24	91	75	45	M16



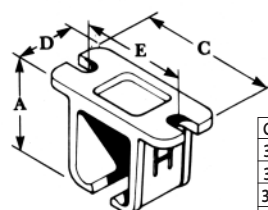
Bracket End Clips, 1A/290 EC and 1A/301 EC. For converting brackets Nos. 1, 1A, 3A, 4A, 5, 5AA & 6/301 to closed brackets in the 290, 301 & 301H formats



1/301/S steel bracket is fully compatible with previous design and also accepts the 1A/301 EC End Clips.

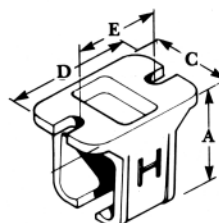
### BRACKETS - SOFFIT FIXED

#### No. 3 or 3A



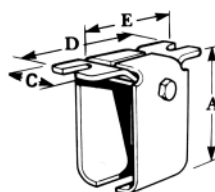
Cat No.	A	B	C	D	E	Bolt
3A/290	56	-	83	32	64	M8
3A/301	86	-	130	57	100	M12
3/301/S	88	-	130	57	97	M12
3A/305	121	-	168	75	125	M16
3/307/S	158	-	184	90	140	M16

#### No. 4 or 4A



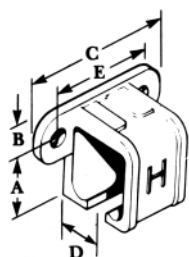
Cat No.	A	B	C	D	E	Bolt
4A/290	67	-	48	75	60	M8
4A/301	95	-	75	117	95	M12
4A/305	137	-	83	190	130	M16
4/307/S	158	-	91	184	140	M16

#### No. 4/301/S



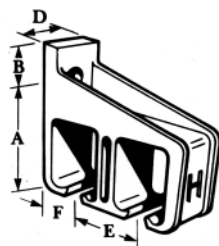
Cat No.	A	B	C	D	E	Bolt
4/301/S	94	-	45	117	95	M12

#### No. 9 or 9A



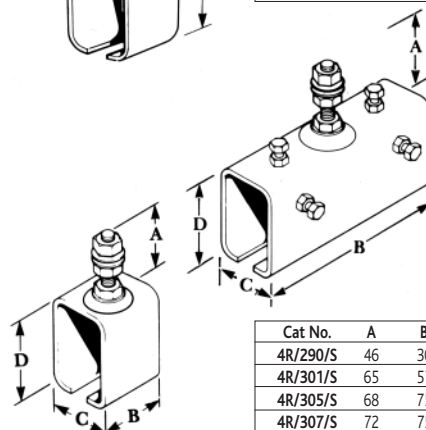
Cat No.	A	B	C	D	E	Bolt
9A/290	43	16	70	24	51	14G Screw
9/301/S	65	12	125	38	89	18G Screw
9/305/S	84	38	160	59	130	M12
9/307/S	84	50	184	69	140	M16

#### No. 5



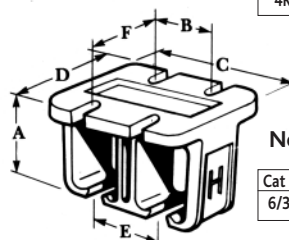
Cat No.	A	B	D	E	F	Bolt
5/290	80	20	38	54	27	M12
5/301	110	33	57	79	39	M16
5/305	155	38	75	92	48	M20
5/307/S	192	26	102	91	45	M20

#### No. 4R



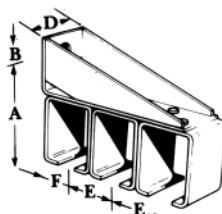
Cat No.	A	B	C	D	Bolt
4R/290/S	46	30	44	53	M10
4R/301/S	65	57	65	78	M12
4R/305/S	68	75	71	107	5/8 Whit
4R/307/S	72	75	91	134	M20
4RX/301TS	70	145	64	70	M12

#### No. 6



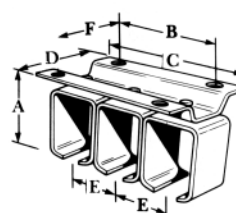
Cat No.	A	B & E	C	D	F	Bolt
6/301	95	79	152	127	92	M10

#### No. 7



Cat No.	A	B	D	E	F	Bolt
7/301/S	116	38	60	66	40	M16

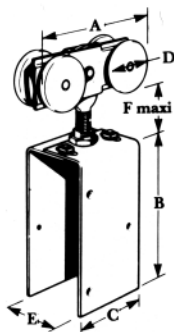
#### No. 8



Cat No.	A	B	C	D	E	F	Bolt
8/301/S	98	127	178	118	66	92	M12

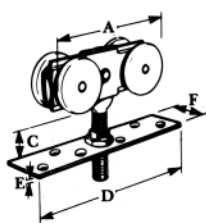
/N = Nylon Wheels /S = Steel Wheels

Nylon wheels are quieter and avoid the need to grease track to reduce wear. Hence their carrying capacity is greater. For automatic doors halve the carrying capacity and use nylon wheels if possible.  
N.B. Door weight capacities are for a pair of hangers.



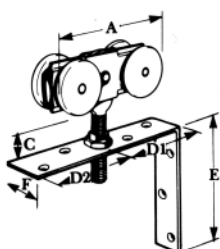
**No.53 WOOD DOORS**

Track No.	Hanger No.	Dimensions						Door weight Capacity
		A	B	C	D	E	F	
290	53K/N	87	95	57	37	35-48	30	150Kg
	53K/S							150Kg
	53K/S 200							200Kg
301	53A/S	142	178	76	56	43-57	70	300Kg
	53A/N							400Kg
301H	53A/S	142	178	76	56	43-57	71	360Kg
	53A/N							450Kg
305	53C/S	161	178	76	75	43-57	71	700Kg
307	53F/S	215	390	65	88	60	94	2000Kg



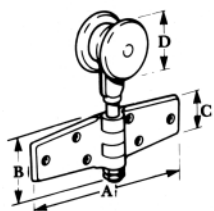
**No.57 WOOD DOORS**

Track No.	Hanger No.	Dimensions						Door weight Capacity
		A	C	D	E	F		
290	57K/N	87	31	140	5	25		150Kg
	57K/S 200							200Kg
301	57A/S	142	57	184	6	38		300Kg
301H	57A/N	142	57	184	6	38		450Kg
305	57C/S	161	61	184	6	38		700Kg



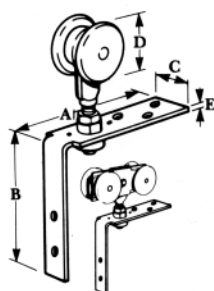
**No.52 WOOD DOORS**

Track No.	Hanger No.	Dimensions						Door weight Capacity
		A	C	D1	D2	E	F	
290	52K/N	87	31	77	51	134	25	150Kg
	52K/S							150Kg
	52K/S 200							200Kg
301	52A/S	142	57	102	127	165	38	300Kg
301H	52A/N	142	57	102	127	165	38	450Kg
305	52C/S	161	61	102	127	165	38	700Kg



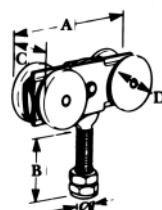
**No.62 FOLDING DOORS**

Track No.	Hanger No.	Dimensions			
		A	B	C	D
290	62K	180	77	45	37
301	62A	180	77	45	56
301H					
305	62C	540	104	51	75



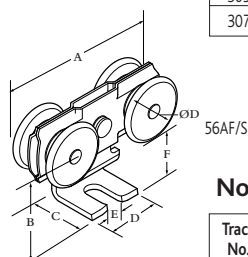
**No.21 FOLDING DOORS**

Track No.	Hanger No.	Dimensions				
		A	B	C	D	E
290	21K/S	153	153	25	37	5
	21K/N					
	21K/4N					
301	21A/S	178	153	38	56	6
301H	21A/4S					
305	21C/S	178	153	38	56	6



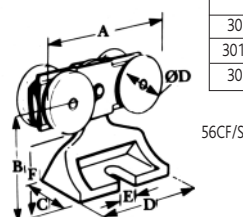
**No.56 METAL DOORS**

Track No.	Hanger No.	Dimensions						Door weight Capacity
		A	B	C	D	z D	z D	
290	56K/N	87	32	27	37	10		150Kg
	56K/S							150Kg
	56K/S 200							200Kg
301	56A/S	142	70	42	56	16		300Kg
	56A/N							400Kg
301H	56A/S	142	70	42	56	16		360Kg
	56A/N							450Kg
305	56C/S	161	70	42	75	16		700Kg
307	56F/S	215	86	55	88	20		2000Kg



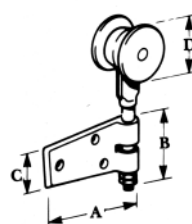
**No.56F FIRE DOORS**

Track No.	Hanger No.	Dimensions								Door weight Capacity
		A	B	C	D	z D	E	F		
301	56AF/S	142	70	45	50	56	16	42		300Kg
301H	56AF/S	142	70	45	50	56	16	42		400Kg
305	56CF/S	161	89	45	83	75	17	51		700Kg



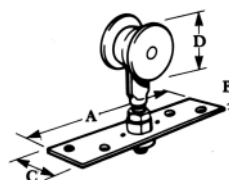
**No.56X METAL DOORS**

Track No.	Hanger No.	Dimensions						Door weight Capacity
		A	B	C	D	z D		
290	56KX/N	87	110	27	37	10		150Kg
	56KX/S							200Kg
301	56AX/S	142	146	42	56	16		300Kg
	56AX/N							400Kg
301H	56AX/S	142	146	42	56	16		360Kg
	56AX/N							450Kg
305	56CX/S	161	146	42	75	16		700Kg
307	56FX/S	215	140	55	88	20		2000Kg



**No.63 FOLDING DOORS**

Track No.	Hanger No.	Dimensions			
		A	B	C	D
290	63K	90	77	45	37
301	63A	90	77	45	56
301H					
305	63C	203	104	51	75

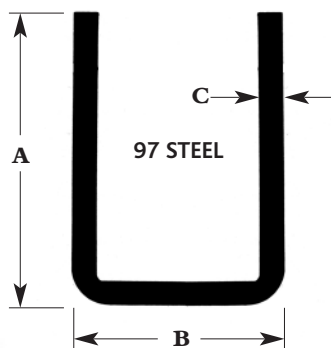


**No.61 FOLDING DOORS**

Track No.	Hanger No.	Dimensions			
		A	B	C	D
290	61K/S	140	5	25	37
301	61A/S	184	6	38	56
301H					
305	61C/S	184	6	38	75

### GUIDE CHANNELS

DIMENSIONS												
(mm)	89	94	97	100	900	99	13	917	918	297	298	299
A	25	20	38	27	29	38	60	13	10	65	51	51
B	24	21	27	27	45	46	65	35	25	55	51	32
C	3	1.5	3	3	2	3	3	2	2	7	4	3

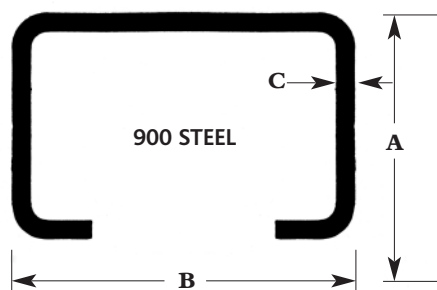


100 STEEL

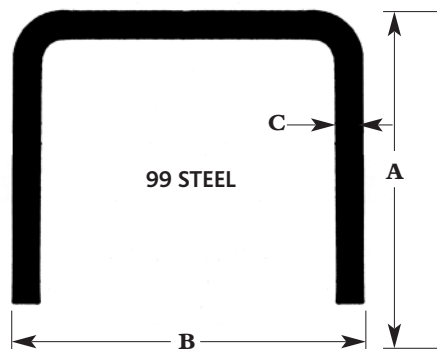
89 STEEL

94 BRASS

(94X ALUMINIUM)



13 STEEL

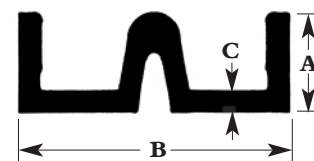
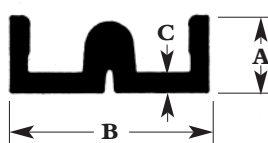


For bracket specifications see Technical Data Sheets

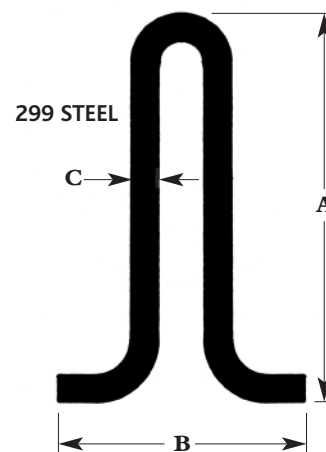
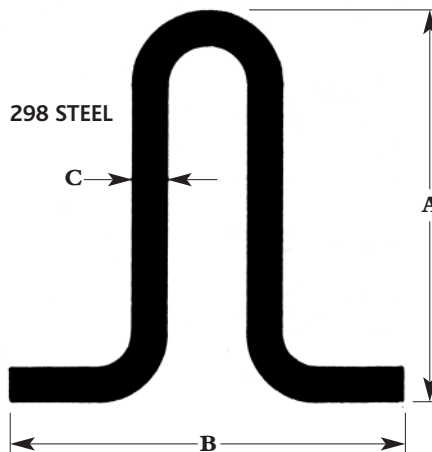
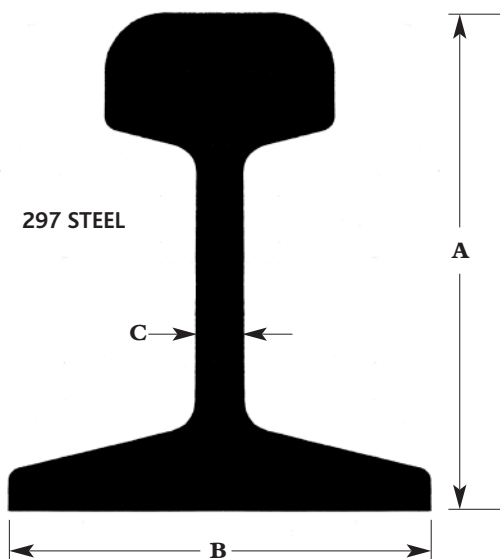
### FULL SIZE SECTIONS

918 BRASS

917 BRASS



### FLOOR RAILS





### GUIDES

**No. 31S Single Wall Mounted Stay Roller (Biparting doors)** - Provides clear threshold - fit No. 128 shoe guide with centre stop. Nylon Rollers, galv. steel angle.

**No. 31D Double Wall Mounted Stay Roller (Double line)** - Provides clear threshold - Nylon Rollers, galv. steel angle.

**No. 126HD/A Ground Stay Roller** - Provides clear threshold - Rollers covered by shields to prevent traffic damage. galv. steel angle.

**No. 112 Stop Guide**

Binds door to frame in closed position. Slotted for padlock and hasp.

**No. 128 Shoe Guide with Centre Stop** Zinc plated iron, adjustable, centre stop plate provided, for biparting doors.

**No. 299 Curtailed Rail with Inverted No.89 Channel to underside of doors** - Provides clear threshold - fit No.128 shoe guide with centre stop on biparting doors.

**No. 126 Ground Stay Roller - Provides clear threshold** - fit No.128 shoe guide with centre stop on biparting doors. Galv. Steel

Most roller guides are fitted with brass rollers. The assemblies are rustproofed by electrozinc galvanising. Fit two guides per door. Always specify channel type when ordering guides (eg104P/97)

**No. 102 Side Guide Roller** - Heavy duty plough guide, ideal for most applications. Malleable body with self adjusting roller spindle. Use with channels No.s 97 or 100.

**No. 105R Roller Guide** - General purpose guide suitable for most applications. Is economical yet very strong. Use with channels No.s 89, 97 or 100.

**No. 106R Roller Guide** - Galvanised steel plate with a brass roller. Ideal for small, light doors especially internal applications. Not recommended for dirty conditions. Use with channels No.s 89, 97 or 100.

**No. 113R Slide Guide Roller** - Galvanised steel plate with a brass roller. Not recommended for heavy doors or dirty conditions. Use with channels No.s 89 or 94.

**No. 104P Under Guide Roller** - Brass roller used for metal doors. Easily removable without dismantling doors. Use with channels No.s 89, 97 or 100.

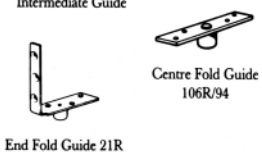
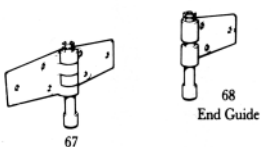
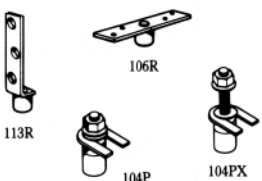
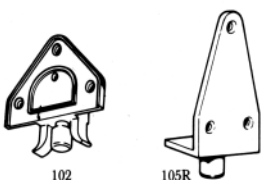
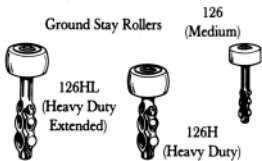
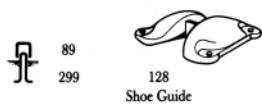
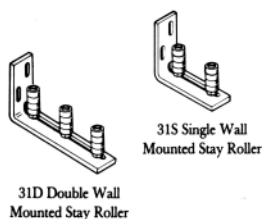
**No. 104PX Long Under Guide Roller** - Same a 104P but with extra long bolt.

**No. 67 Intermediate Guide - Round-the-Corner and Folding Doors.**  
No. 67/89 for track 290 and channel 89.  
No. 67/97 for track 301 or 301H and channel 97.  
No. 67C/97 for track 305 and channel 97.

**No. 68 End Guide - Round-the-Corner and Folding Doors.**  
No. 68/89 for track 290 and channel 89.  
No. 68/97 for track 301 or 301H and channel 97.  
No. 68C/97 for track 305 and channel 97.

**No. 21R End Fold Guide - Folding Doors.**  
No. 21KR/94 for track 290 and channel 94.  
No. 21R/94 for track 301, 301H and 305

**No. 106R Centre Fold Guide - Folding Doors.**  
No. 106R/94 for all tracks.



### DOOR FURNITURE

**No. 994 Bolt** - Electro galvanised steel shoot and guides with socket for concrete, when required.

**No. 994X Offset Bolt** - Zinc galvanised steel shoot and guides with socket for concrete.

**No. 994R Roller Guide Bolt** - Electro galvanised steel shoot and guides with brass roller. Use with channel No.s 89 or 97.

**No. 994S locking Bolt** - Electro galvanised steel shoot and guides with socket for concrete. Use with Padlock (Not by PCH).

**No. 77 Flush Bolt** - No.77J suitable for framed doors with bottom rails up to 152x48. Zinc plated steel. No.77S suitable for framed doors with bottom rails up to 236x70. Zinc plated steel.

**No. 78 Flush Bolt** - Designed for fitting to stile of flush doors minimum 127x45. Zinc plated steel.

**No. 333 Semi Flush Bolt** - 152x35 Aluminium alloy in satin anodised finish.

**No. 454 Semi Flush Bolt** - 190x41 Aluminium alloy in satin anodised finish.

**No. 463 Bow Handle** - Zinc plated cast iron. 159x46

**No. 464 Bow Handle** - Zinc plated cast iron. 261x62

**No. 400 Flush Pull** - Aluminium alloy in satin anodised finish 108x48 with 17 mortise.

**No. 414 Flush Pull** - Aluminium self finish 133x60 with 20 mortise.

**No. 413 Flush Pull** - Heavy duty Zinc plated cast iron 152x95 with 26 mortise.

**Flush Pull No.26P** - White polypropylene n.b. Drill 31mm hole.

**No.115 Corner Protection Plates** - Rustproofed by electrozinc plating - Fit a pair on the leading door edge where door meets door stop.

**No.109 Single Wall or Ground Stop** - Zinc plated steel with rubber buffer. For light doors. Fit on wall, 2/3 up door height.

**No.103 Single Floor Stop** - Satin anodised aluminium with rubber buffer. For heavier residential internal doors.

**No.110N Door Stop** - White nylon complete with rubber buffer. For light interior doors. (Wall or floor fixed.)

**No.28P/1 Door Stop** - White nylon for light cupboard and wardrobe doors.

**No.107E Buffer Stop Rubber** - For fitting to slamming post when other stops cannot be used.

**No.107 Double Wall Stop** - Zinc plated steel with rubber buffers. For medium weight doors, fit one on wall, 2/3 up door height. For heavier door fit 2.

**No. HH/290 Track Stop**

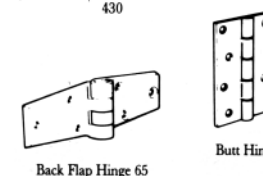
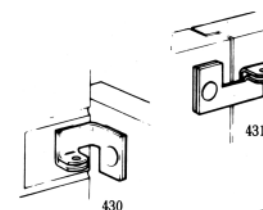
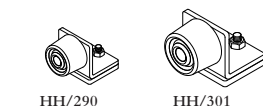
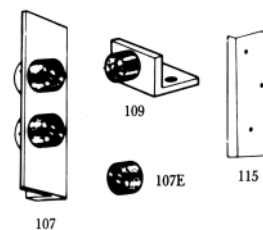
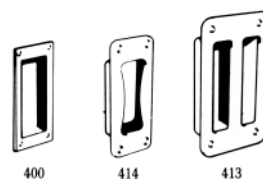
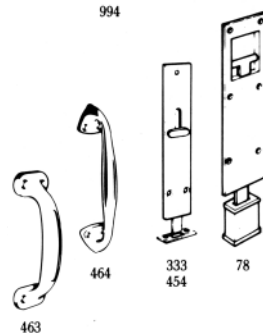
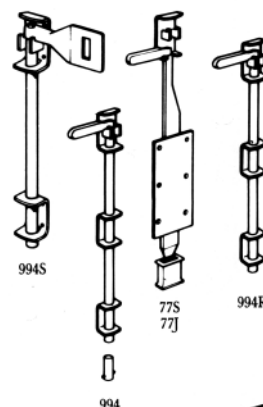
**No. HH/301 Track Stop**

**No.431 Swivel Locking Bar** - Rustproofed by Zinc plating. For meeting doors sliding on outside face of wall or for securing to end post. Use with padlock (not by PCH).

**No.430 Detachable Locking Bar** - Rustproofed by Zinc plating. For straight run doors sliding inside and locked outside. Use with padlock (not by PCH).

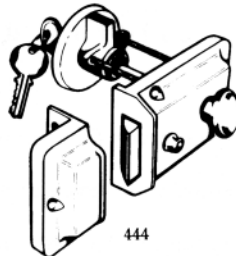
**No.65 Back Flap Hinges** - No.65 for track 290, 301 or 301H. Aluminium No.65C track 305. Zinc plated.

**No.403 Butt Hinge** -  
No.403/1 89x50 aluminium alloy.  
No.403/2 100x55 aluminium alloy.  
No.403/3 100x75 aluminium alloy.



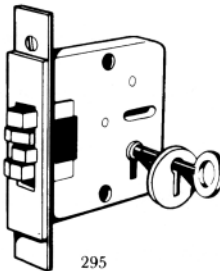
### Rim Cylinder Lock No. 444

Five pin tumbler action with long body (keyhole 60mm from jamb) enables door to overlap jamb by 25/38mm. Keyhole plate in B.M.A. finish. Supplied with two keys. To differ only.



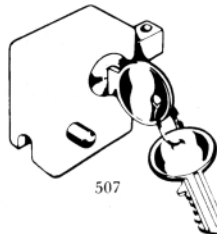
### Sliding Door Mortise Dead Lock No.295

For light interior sliding doors. Claw action with brass striker plate and claws in unrebrated from only - supplied with two keys. suits minimum stile 102x35mm



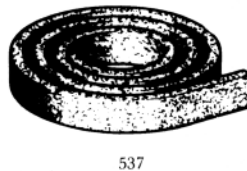
### Zenith Cylinder Lock No.507 - C.P.

Fitted to 'zenith' glass rail panels. Shoot enters second bottom rail of double passing doors. 2 keys. handed: state hand. Left-hand illustrated



### Sponge Neoprene Sealing Strip No.537

22x6mm - supplied in 10m rolls.



# HENDERSON

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P C Henderson Limited  
[www.pchenderson.com](http://www.pchenderson.com)



## Securefold & Securefold Ultra

The ultimate folding door hardware system

*Design in motion*

March 2017

# HENDERSON









## Window on the world

Henderson Securefold offers the very best in exterior folding door hardware systems to help you securely open up your home to the outside world.

When it comes to the design and manufacture of folding door hardware systems, we are a global leader. For over 90 years, we have been creating the highest quality products backed by the same high standards of service. That is why the Henderson name is now synonymous with UK design and manufacturing expertise.

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 in your living space. The system operates with effortless ease and combines all the aesthetic benefits of folding timber or aluminium doors with the additional advantages of uncompromising security, weather resistance and durability of stainless steel.





## SECUREFOLD BENEFITS

Securefold and Securefold Ultra offer 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** - suitable for both timber and aluminium doors, a choice of brushed satin, polished stainless steel, titanium gold and black finishes means it can complement existing hardware and virtually any colour scheme.

**It's durable** - with most working parts made from 316 stainless steel, anodised aluminium track and polymers and tested to over 100,000 cycles, it offers an unprecedented working life, even in coastal areas.

**It's easy to install** - comprehensive instructions are supplied with every pack and our Technical Services Department can help with any query. 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 below highlights the systems test results.

	Air-tightness in PA	Water-tightness in PA	Resistance wind force in PA
Test Results	650	600	+3000/-2550
Norm Classification	EN 12207	EN 12208	EN 12210
Class Achieved	4	94A	4

**It's guaranteed** - with high quality components and a unique design this system is guaranteed for 10 years.





# SECUREFOLD

## FEATURES AND SYSTEM SPECIFICATION

- High security locking system
- Systems available for timber or aluminium doors
- Suitable for doors weighing up to 50kg, 100kg and 150kg
- Outstanding weather resistance
- Maximum corrosion resistance
- Inward and outward opening options with a range of opening variations
- Concealed channel to enhance appearance
- Precision bearings top and bottom to allow effortless movement
- Magnetic hold backs available in four finishes to complete the system
- Tested to over 100,000 cycles
- Option for surface mounted or morticed hinges up to 100kg (for our range of hinges, please refer to page 17)
- Easy installation

As with all Henderson products, the Securefold range has been designed for maximum performance and ease of installation.

Comprehensive instructions are supplied with every pack and our Technical Services Department have over 80 years combined experience and are on hand to deal with any specification or installation queries.

Whilst Securefold has been built using precision engineering, additional built-in vertical and lateral adjustment mechanisms have been developed to ensure the highest possible finish.



Between door magnets



Swing door magnets



Non-mortice hinge





# SECUREFOLD 100

## FEATURING R-LOC

## SECUREFOLD 100

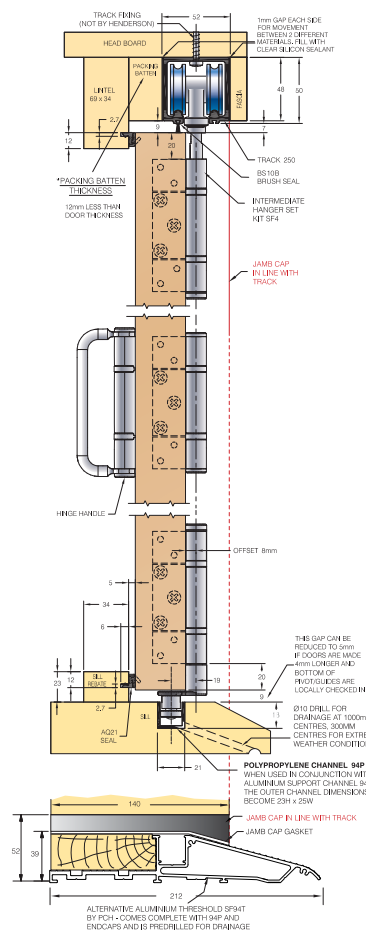
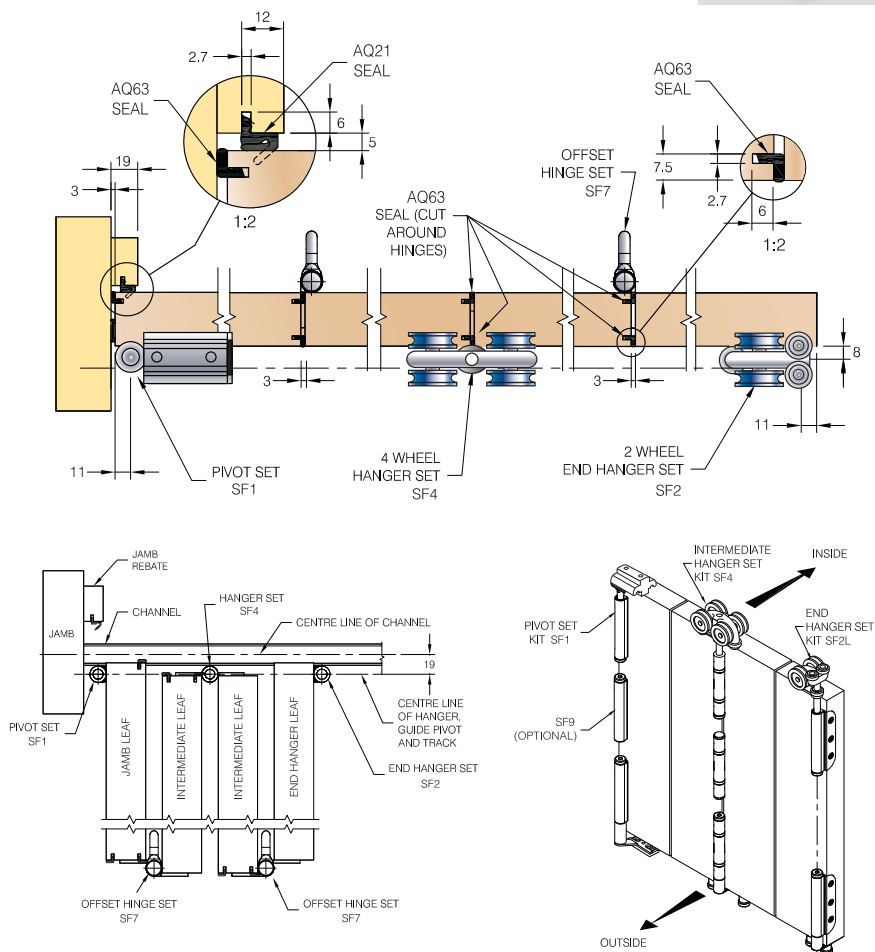
Maximum Leaf Weight	100kg
Maximum Leaf Height	3300mm
Maximum Leaf Width	1000mm*
Leaf Thickness	36-68mm**

Designed for residential and commercial applications for top hung or exterior timber doors weighing up to 100kg, the Securefold 100 system includes all of the features and benefits of the Securefold 50 with the addition of a further enhancement, R-Loc. 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. R-Loc has been specifically designed for the Securefold range - further enhancing its credentials as one of the best folding door systems in the market.

For aluminium doors use Securefold morticed hinge, fixing components are not supplied as standard for aluminium doors.

\* For thick and/or narrow width doors please contact P C Henderson Technical Department.

\*\* For doors between 35 – 44mm an alternative to the Securefold flushbolt is required.



# SECUREFOLD 150

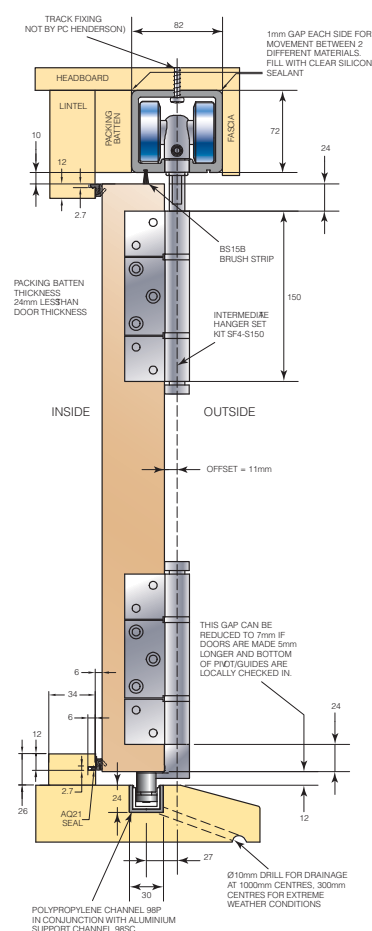
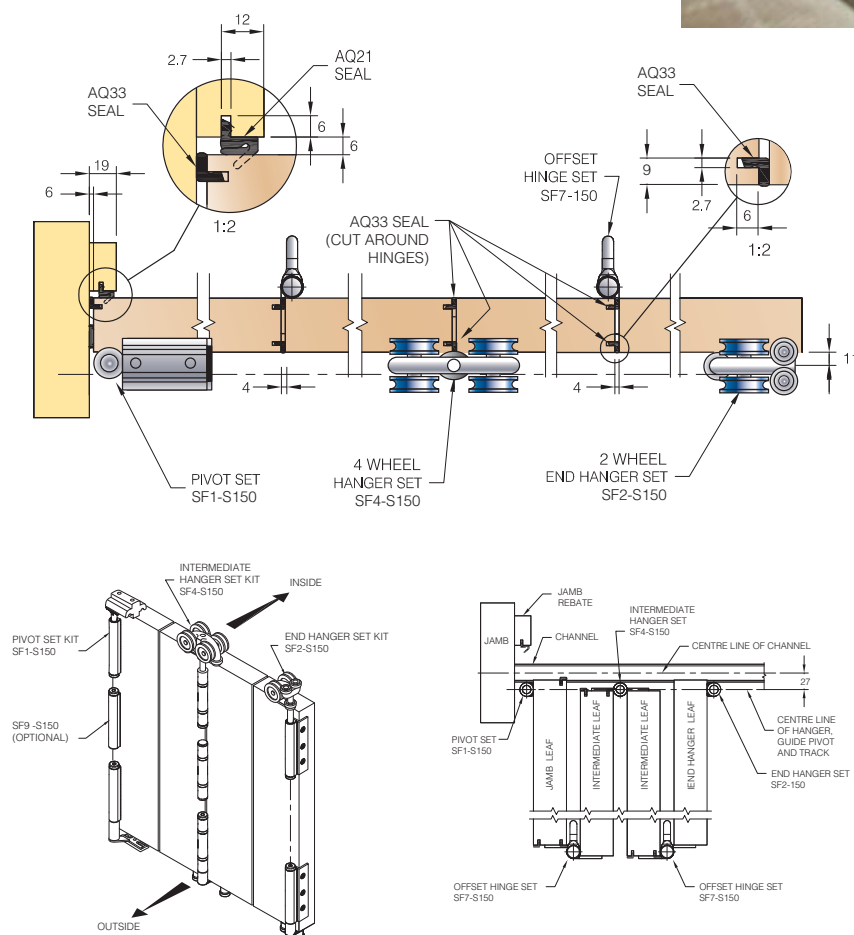
## SECUREFOLD 150

Maximum Leaf Weight	150kg
Maximum Leaf Height	4000mm
Maximum Leaf Width	1200mm*
Leaf Thickness	45-68mm**

Designed for residential and commercial exterior folding applications, this top hung, exterior, end folding system caters for timber doors weighing up to 150kg. Due to its enhanced weight capabilities, the system is ideally suited for large double or triple glazed doors. All components are made from weather and corrosion resistant stainless steel 316, making it ideally suited for coastal applications.

\* For thick and/or narrow width doors please contact P C Henderson Technical Department.

\*\* For doors between 35 – 44mm an alternative to the Securefold flushbolt is required.



# SECUREFOLD ULTRA

## FEATURES AND SYSTEM SPECIFICATION

Securefold Ultra is the latest development from P C Henderson for outward opening exterior folding timber doors. The system has been expertly designed to provide an additional level of security, incorporating a number of enhanced components, to make it the most secure system on the market.

- Three points of locking on every external door seam.  
Robust hardware is provided at three points on the door to prevent entry.
- A unique interlocking anti-tamper hinge, which makes it difficult to force out of position or dismantle.
- Multipoint lock with anti-snap and anti-bump cylinder to withstand attack from even the most determined would-be intruder.
- Tested to PAS 24 and BS EN 1627 RC2 and security standards.
- Can be combined with Yale's YS170 multipoint lock, which holds the coveted Secured by Design and Insurance Approved accreditation, for further enhanced security standards.
- Keyfree options are also available to add extra security and the 'wow' factor to your project.

### SECUREFOLD ULTRA

Maximum Leaf Weight	100kg
Maximum Leaf Height	3300mm
Maximum Leaf Width	1000mm*
Leaf Thickness	48-68mm**

\* For thick and/or narrow width doors please contact P C Henderson Technical Department.

\*\* For doors between 35 – 44mm an alternative to the Securefold flushbolt is required.



SFU4



SFU9



SFU1



SF190L

## ENHANCED SECURITY STANDARDS

Securefold Ultra has enhanced security components that are certified to PAS 24 and BS EN 1627 RC2. These are the main European wide and UK specific performance test standards for burglar resistance on folding door systems.

Securefold Ultra is one of the only folding door system on the market that holds both of these certifications and accreditations.

The UK specific PAS 24 and the European wide BS EN 1627 both seek to confirm that a folding door system offers an enhanced security performance to withstanding human attack or mechanical loads. These two certifications ensure that the system can offer enhanced security protection and has been tested accordingly to support this claim.

When sourcing burglar resistant exterior folding door components for enhanced security, a key point is to always look for these certifications and accreditations.





# SECUREFOLD ULTRA HARDWARE



Anti-tamper security screw

Hinge bolt reinforcing plate

Integrated bridge plate with security screw to prevent removal of the strapbolt

3mm reinforcing plate

## KEY FEATURE

**UNIQUE INTERLOCKING, ATTACK RESISTANT HINGES.** These are an integral part of the system, making it difficult for intruders to attack, disengage or tamper with any part of the system. The interlocking design also stops the hinge being dismantled or forced out of position.

Security hinge pin

Security hinge pin

3mm reinforcing plate

Anti-tamper security screw

## KEY FEATURE

**HINGE BOLT REINFORCING PLATE.** There are three points of locking on every door seam, creating a secure seal between the doors.

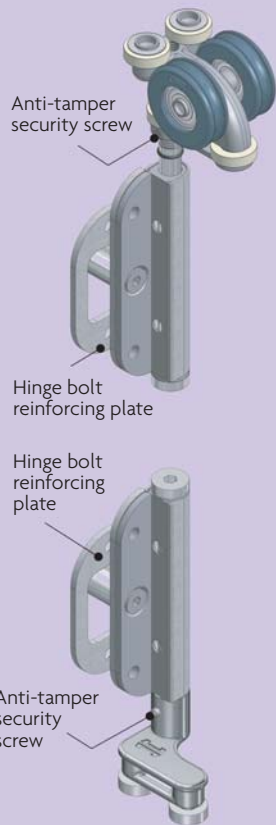
## KEY FEATURE

**ENHANCED ANTI-TAMPER SECURITY SCREWS.** These prevent tampering of the hardware or disengagement from the door when closed.

## KEY FEATURE

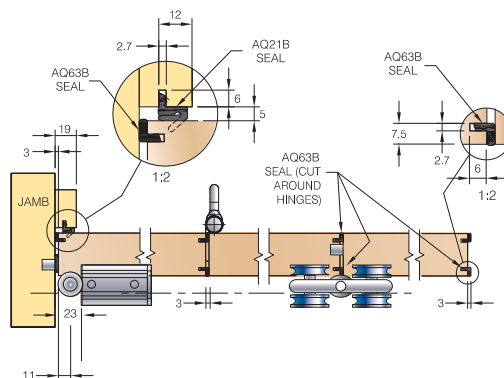
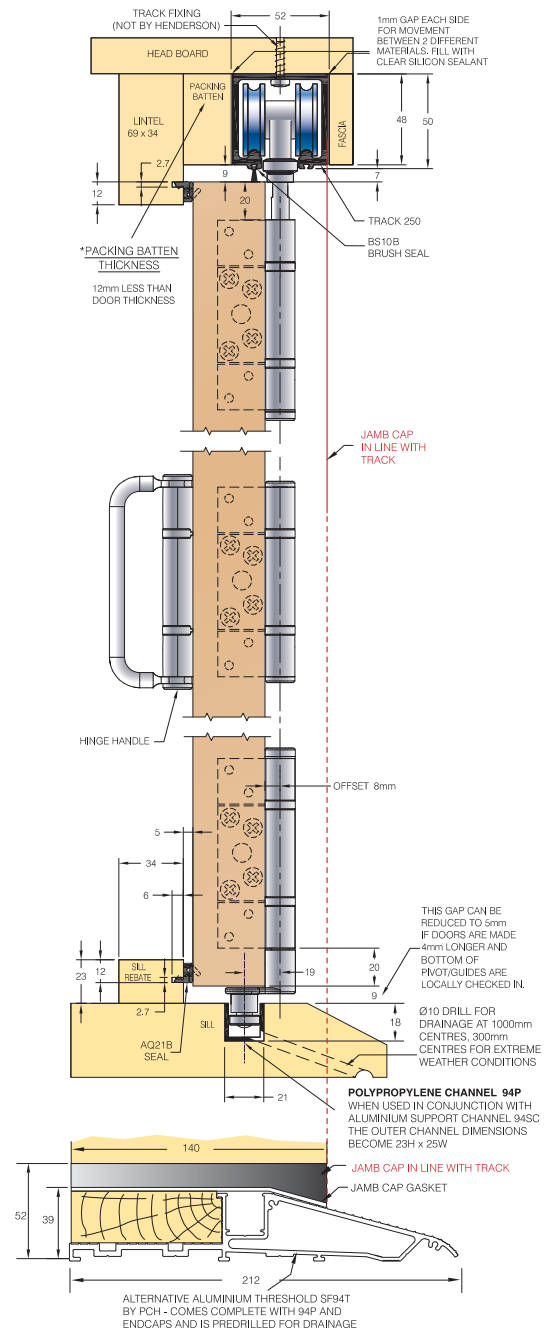
**10mm Ø HINGE BOLT.** Lockable flushbolt manufactured from extruded aluminium incorporating a 10mm diameter 316 stainless steel bolt capable of withstanding pressures from both sides of the door.





### SFU2 END HANGER SET

Additional hardware to be used when an even number of doors are folding to one side.



# COMMON PANEL LAYOUTS FOR SECUREFOLD & SECUREFOLD ULTRA\*\*

## Door configuration

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

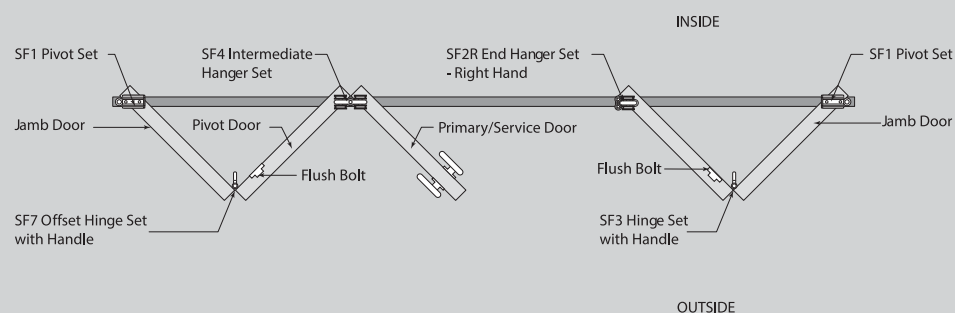
To add surface mounted hinges replace:

SF1 with SFW1  
SF2 with SFW2  
SF8 with SFW8  
SF9 with SFW9  
(only available for standard Securefold)  
† All Securefold Ultra hardware kits come complete with certified hardware, multipoint lock-available in brushed satin, polished stainless steel, titanium gold and black finishes. Specify only track and seals required to complete the specification.

Outward opening configurations	Securefold hardware	Securefold Ultra hardware kits†
<b>2 LEAF</b> 	2 x SF flushbolt, 1 x SF1 pivot set, 1 x SF3 hinge set with handle, 1 x SF2L end hanger set - left hand.*	1 x SFU1, 1 x SFU9, 1 x SFU2
<b>2+1 LEAF</b> 	2 x SF flushbolt, 2 x SF1 pivot set, 1 x SF3 hinge set with handle, 1 x SF2L end hanger set - left hand.*	2 x SFU1, 2 x SFU2, 2 x SFU9
<b>3 LEAF</b> 	2 x SF flushbolt, 1 x SF1 pivot set, 1 x SF4 intermediate hanger set, 1 x SF7 offset hinge set with handle.	1 x SFU1, 1 x SFU9, 1 x SFU4
<b>2+2 LEAF</b> 	4 x SF flushbolt, 2 x SF1 pivot set, 2 x SF3 hinge set with handle, 1 x SF8 rebated end hanger meeting.	2 x SFU1, 2 x SFU9
<b>3+1 LEAF</b> 	4 x SF flushbolt, 2 x SF1 pivot set, 1 x SF4 intermediate hanger set, 1 x SF7 offset hinge set with handle.	2 x SFU1, 2 x SFU9, 1 x SFU4
<b>4 LEAF</b> 	4 x SF flushbolt, 1 x SF1 pivot set, 1 x SF4 intermediate hanger set, 2 x SF7 offset hinge set with handle, 1 x SF2L end hanger set - left hand.*	1 x SFU1, 1 x SFU9, 1 x SFU4, 1 x SFU2
<b>3+2 LEAF</b> 	4 x SF flushbolt, 2 x SF1 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 SF2R end hanger set - right hand.*	2 x SFU1, 2 x SFU9, 1 x SFU4, 1 x SFU2
<b>4+1 LEAF</b> 	4 x SF flushbolt, 2 x SF1 pivot set, 1 x SF4 intermediate hanger set, 2 x SF7 offset hinge set with handle, 1 x SF2L end hanger set - left hand.*	2 x SFU1, 2 x SFU9, 1 x SFU4, 1 x SFU2
<b>5 LEAF</b> 	4 x SF flushbolt, 1 x SF1 pivot set, 1 x SF3 hinge set with handle, 2 x SF4 intermediate hanger set, 1 x SF7 offset hinge set with handle.	1 x SFU1, 1 x SFU9, 2 x SFU4
<b>3+3 LEAF</b> 	6 x SF flushbolt, 2 x SF1 pivot set, 2 x SF4 intermediate hanger set, 2 x SF7 offset hinge set with handle.	2 x SFU1, 2 x SFU9, 2 x SFU4
<b>4+2 LEAF</b> 	6 x SF flushbolt, 2 x SF1 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 SF8 rebated end hanger meeting.	2 x SFU1, 2 x SFU9, 1 x SFU4
<b>5+1 LEAF</b> 	6 x SF flushbolt, 2 x SF1 pivot set, 1 x SF3 hinge set with handle, 2 x SF4 intermediate hanger set, 1 x SF7 offset hinge set with handle.	2 x SFU1, 2 x SFU9, 2 x SFU4
<b>6 LEAF</b> 	6 x SF flushbolt, 1 x SF1 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 SF2L end hanger set - left hand.*	1 x SFU1, 1 x SFU9, 2 x SFU4, 1 x SFU2

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. "SF2R/SF2L end hanger set - right hand" will become "SF2L/SF2L end hanger set - left hand" and "SF2L/SF2L end hanger set - left hand" will become "SF2R/SF2R end hanger set - right hand". SFW9 intermediate pivot is optional for doors exceeding 2200mm in height. The SFW8 (rebated end hanger meeting) is illustrated in the split position on each door. Only one kit is required per door meeting point. \*\*Ultra only available outward opening. 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 further information). Please contact our Technical Customer Services Team for further information.

## Hardware application



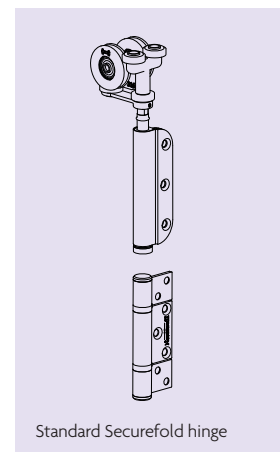
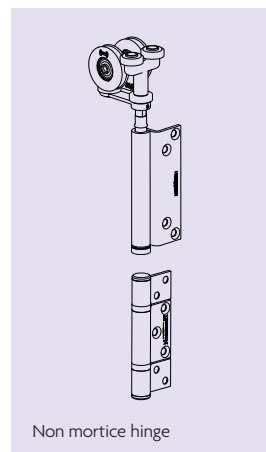
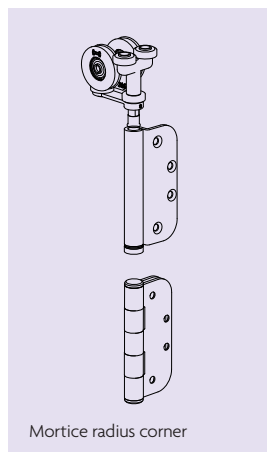
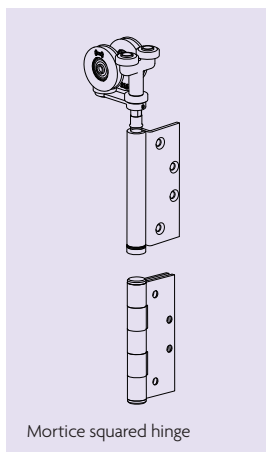
### Inward opening configurations for standard Securefold only

### Securefold hardware

<b>2 LEAF</b>		2 x SF flushbolt, 1 x SF1 pivot set, 1 x SF5 hinge set inward opening, 1 x SF2R end hanger set - right hand.*
<b>2+1 LEAF</b>		2 x SF flushbolt, 2 x SF1 pivot set, 1 x SF5 hinge set inward opening, 1 x SF2R end hanger set - right hand.*
<b>3 LEAF</b>		2 x SF flushbolt, 1 x SF1 pivot set, 1 x SF6 offset hinge set inward opening, 1 x SF4 intermediate hanger set.
<b>2+2 LEAF</b>		4 x SF flushbolt, 2 x SF1 pivot set, 2 x SF5 hinge set inward opening, 1 x SF8 rebated end hanger meeting.
<b>3+1 LEAF</b>		4 x SF flushbolt, 2 x SF1 pivot set, 1 x SF6 offset hinge set inward opening, 1 x SF4 intermediate hanger set.
<b>4 LEAF</b>		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.*
<b>3+2 LEAF</b>		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.*
<b>4+1 LEAF</b>		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.*
<b>5 LEAF</b>		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.
<b>3+3 LEAF</b>		6 x SF flushbolt, 2 x SF1 pivot set, 2 x SF4 intermediate hanger set, 2 x SF6 offset hinge set inward opening.
<b>4+2 LEAF</b>		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.
<b>5+1 LEAF</b>		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.
<b>6 LEAF</b>		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.

## HINGE OPTIONS



P C Henderson offer a choice of four 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.

### Mortice squared hinge

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.

### Mortice radius corner

Radius cornered hinges offer a softer look and often suit the look and feel of contemporary applications. The smooth round edge complements the trend for minimalistic installation with a clean and modern finish. These hinges lend themselves perfectly to machine routing which aid the routing and fitting process. This hinge option is suitable for use on timber panels between 44-68mm thick and weighing up to 100kg.

### Non mortice hinge

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 both the Securefold Timber and Securefold Aluminum. This option offers versatility and can be used on timber or aluminum panels between 35-68mm thick and weighing up to 100kg.

### Standard Securefold hinge

The Securefold Standard hinge option combines morticed end leaf hinges to create a clean finish as it is concealed between the door and the jamb; it then uses the trusted surface mounted intermediate hinges for ease of installation across the remaining door configurations. Because of this, the standard hinge is suitable for all timber door leaves stated (35-68mm thick and weighing up to 100kg) and is a popular option when specifying internal or external folding doors as it features increased security performance.

\*excludes Securefold Ultra.

# HENDERSON

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P C Henderson Limited



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Securefold

March 2017







## Evolve

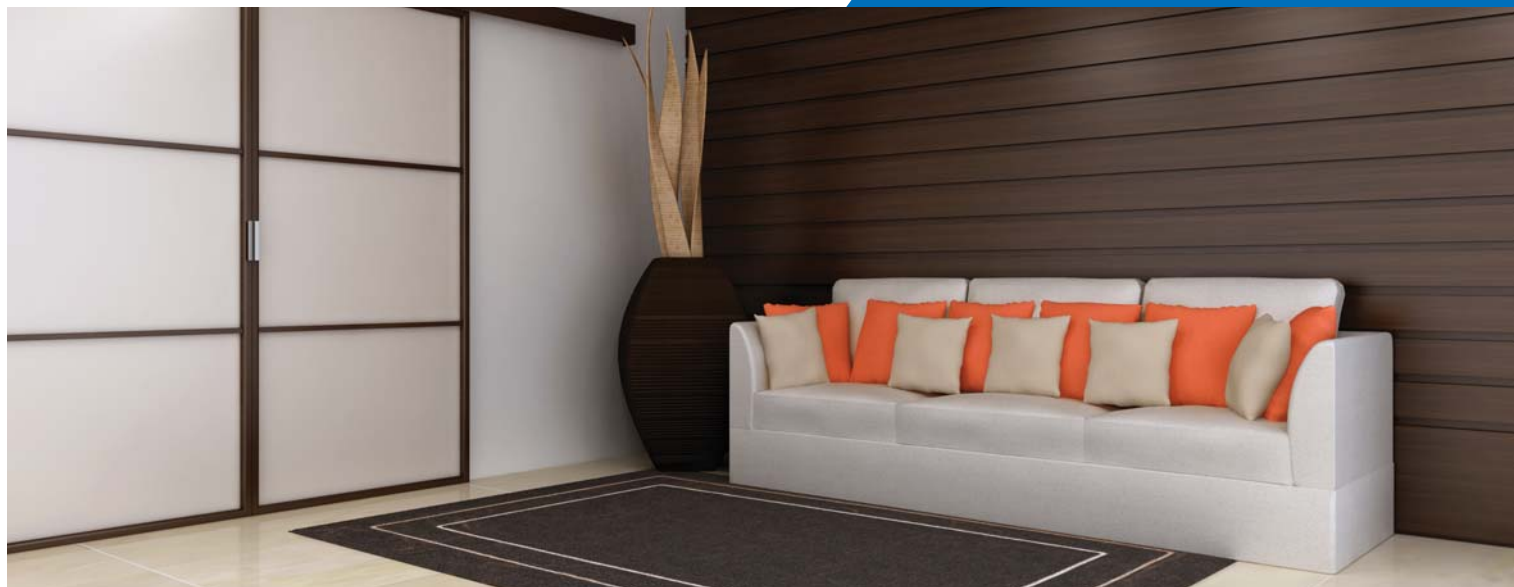
Automated Door Hardware  
Systems for Sliding Doors

*Design in motion*

August 2014

HENDERSON

# EVOLVE



## At PC Henderson, we're not just transforming the way you think about automated sliding door solutions - we're evolving it

As specialists in the design and manufacture of sliding and folding door hardware systems, we've created Evolve. It's a recently launched range of exceptionally convenient and highly sophisticated automatic systems that will help you make the most of our Husky range of sliding door equipment in any domestic or light commercial environment.

### The perfect enhancement for any sliding door application

With three systems available - the Evolve 60, Evolve 80 and Evolve 80 SIM kit - they can deliver automation to pocket, single and double sliding doors weighing up to 80kg. Doors can be of wooden construction (flush, panelled or glazed) or toughened glass construction.

Evolve is perfect for a huge range of applications from enhancing a luxury property to providing entrance solutions for those with mobility problems. The system is also complemented by a choice of hardwired and wireless control options.

## Key Evolve features:

- **Designed to fit in** - Evolve can be installed seamlessly into any environment - even retrospectively and is automated by a quiet and non-intrusive motor.
- **Easy to use** - All units are supplied with two remote control units (single channel). There are, however, optional extras available for even more convenience. Please see below.
- **Safe to operate** - A low operating voltage and sensitive obstacle detection system means Evolve is safe in any application.
- **Simple to install and maintain** - Each Evolve system is simple to install, commission and program and because they have a long service life, maintenance is easy and hassle-free.
- **Built for safety** - With an innovative decoupling option allowing manual operation of the door in the event of power failures, Evolve systems offer a high level of security, and complete peace of mind.

## OPTIONAL EXTRAS

Upgrade your Evolve system with your choice of high quality accessories.



### Rocker Switch

Wall-mounted switch for one touch control. Switch and surface frame supplied as separate items.

Order codes:

Switch

**Aluminium ES/AF**

**White ES/WF**

Surface Frame

**White ES/WB**



### 4 Channel Transmitter

A 4 channel remote control that can be used with more than one unit.

Order code:

**RS/4**



### Microwave Motion Detector

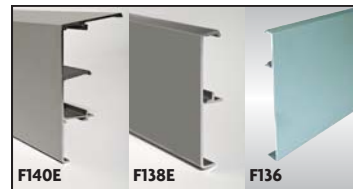
Hardwired radar motion detector with a maximum field width of 4.8 meters and a maximum installation height of 4 meters. Ideal for openings with moderate to high levels of traffic.

Order codes:

**Black ER/B**

**White ER/W**

**Aluminium ER/S**



### Soffix and Face Fixed Fascias\*

A range of aluminium fascias for the perfect finish. Available in lengths of 1.5m, 1.8m, 2m, 2.5m and 3m lengths.

Order codes:

Soffit Fix

**F138E** (Evolve 80)

**F138SIM** (Evolve 80SIM)

Face Fix

**F140E** (Evolve 80)

**F140SIM** (Evolve 80SIM)

Soffit or Face Fix

**F136** (Glass doors only)

\*Not available for the Evolve 60 kit

# EVOLVE 60 for pocket doors

GLASS

WOOD

60kg



With Evolve 60, sliding doors can be completely concealed within the wall cavity, making it ideally suited to applications where space is at a premium, such as toilets, bathrooms and kitchens. The supplied kit comes complete with all hardware and automated components.

## HARDWARE KIT

Contents:

- Aluminium Track and Header
- Galvanised Steel Wrapped Studs
- Stud Brackets
- Hangers (Wood doors) or Clamps (Glass doors)
- Adjustable Floor Guide
- Clip Stop
- Rubber Buffer
- Single Channel Remote Control Unit (pack of 2)

## AUTOMATED KIT

Contents:

- Drive Unit
- Tension Wheel
- Drive Belt
- Clutch\*
- Power Unit
- Manual Transmitter

\*This is mounted midpoint between the two load bearing hangers/clamps.

## DRIVE UNIT SPECIFICATION

Drive Rating:	50W
Operation Voltage:	24V safety-low voltage via external power unit. Protection Class IP55
Maximum Operating Speed:	Approximately 0.3m/sec, variable
Running Performance:	Soft start/stop, which is adjustable
Safety Functions:	Obstacle detection in both directions and can be manually decoupled from clutch base (positioned in top of the door)
Closing Option:	Automated closing (adjustable to timed intervals)

To upgrade your system, please see Optional Extras.

Order Code	Door Type	Maximum Door Size	Maximum Door Weight
EP3/**	Wood	1981 x 762 x 44mm	60kg
EP4/**	Wood	1981 x 838 x 44mm	60kg
EP5/**	Wood	2040 x 762 x 44mm	60kg
EP6/**	Wood	2040 x 826 x 44mm	60kg
EP10/**	Wood	2315 x 930 x 44mm	60kg
10/EP10/**	Glass	2270 x 930 x 10mm	60kg
12/EP10/**	Glass	2270 x 930 x 12mm	60kg

Please substitute \*\* with EU or UK depending on power supply.

# EVOLVE 80 for single doors

GLASS

WOOD

80kg



Evolve 80 offers a standard 2 metre kit, which can be used for a wide variety of openings and applications. The supplied kit comes complete with all hardware and automated components.

## HARDWARE KIT

Contents:

- Aluminium Track
- Hangers (Wood doors) or Clamps (Glass doors)
- Floor Guide
- Track Stop
- Track Spacers
- Brackets
- Single Channel Remote Control Unit (pack of 2)

## AUTOMATED KIT

Contents:

- Drive Unit
- Tension Wheel
- Drive Belt
- Clutch\*
- Power Unit
- Manual Transmitter

\*This is mounted midpoint between the two load bearing hangers/clamps.

## DRIVE UNIT SPECIFICATION

Drive Rating:	50W
Operation Voltage:	24V safety-low voltage via external power unit. Protection Class IP55
Maximum Operating Speed:	Approximately 0.3m/sec, variable
Running Performance:	Soft start/stop, which is adjustable
Safety Functions:	Obstacle detection in both directions and can be manually decoupled from clutch base (positioned in top of the door)
Closing Option:	Automated closing (adjustable to timed intervals)

To upgrade your system, please see Optional Extras.

Order Code	Door Type	Maximum Door Size	Maximum Door Weight
E80/20**	Wood	2700 x 1100 x 55mm	80kg
10/E80/20**	Glass	2400 x 1100 x 10mm	80kg
12/E80/20**	Glass	2400 x 1100 x 12mm	80kg

Please substitute \*\* with EU or UK depending on power supply.

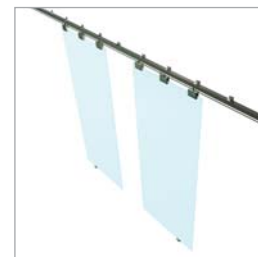
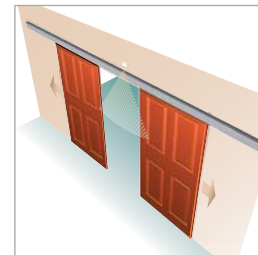


# EVOLVE 80 Sim for bi-parting doors

GLASS

WOOD

40kg  
per door



Our Evolve 80 Sim Kit is perfect for automated and synchronised opening of double sliding doors, and is ideal for larger openings, doorways and room divisions. The supplied kit comes complete with all hardware and automated components.

## HARDWARE KIT

Contents:

- Aluminium Track
- Hangers (Wood doors) or Clamps (Glass doors)
- Floor Guide
- Track Stop
- Track Spacers
- Brackets
- Clip Stop
- Pulley Cable
- Cable Fixing Brackets
- Single Channel Remote Control Unit (pack of 2)

## AUTOMATED KIT

Contents:

- Drive Unit
- Tension Wheel
- Drive Belt
- Clutch\*
- Power Unit
- Manual Transmitter

\*This is mounted midpoint between the two load bearing hangers/clamps.

## DRIVE UNIT SPECIFICATION

Drive Rating:	50W
Operation Voltage:	24V safety-low voltage via external power unit. Protection Class IP55
Maximum Operating Speed:	Approximately 0.3m/sec, variable
Running Performance:	Soft start/stop, which is adjustable
Safety Functions:	Obstacle detection in both directions and can be manually decoupled from clutch base (positioned in top of the door)
Closing Option:	Automated closing (adjustable to timed intervals)

To upgrade your system, please see Optional Extras.

Order Code	Door Type	Maximum Door Size	Maximum Door Weight
ESIM40/**	Wood	2700 X 1100 x 50mm	40kg
10/ESIM/40**	Glass	2200 x 900 x 10mm	40kg
12/ESIM/40**	Glass	2200 x 700 x 12mm	40kg

Please substitute \*\* with EU or UK depending on power supply.



# HENDERSON

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@PCHendersonLtd

August 2014





# Glass door hardware systems

*Design in motion*

October 2012

HENDERSON

# GLASS DOOR HARDWARE SYSTEMS

for sliding or folding glass doors with a maximum leaf weight up to 500kg

PC Henderson has long been acknowledged as the world leader in the design and manufacture of sliding and folding door hardware systems for residential, commercial and industrial applications.

Established in 1921, PC Henderson is based in Bowburn in North East England and has subsidiaries in Holland and Ireland. The company has a long established sales and distribution network in over 70 countries supported by Henderson's fully trained UK based technical sales team.

The company is committed to quality and is registered to BS EN ISO 9001: 2008 Quality Systems and Environmental Management Systems ISO 14001:2004.

As part of this commitment this brochure has been printed on carbon neutral paper in line with the FSC which promoted responsible management of the world's forests. This accreditation guarantees that only the amount of wood which the forest can regenerate naturally is cut down with minimal impact on the environment, wildlife and the indigenous people who reside there.

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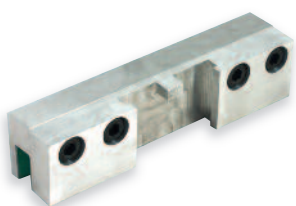
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GLASS DOOR HARDWARE SYSTEMS

# GLASS DOOR HARDWARE SYSTEMS

PC Henderson offers a range of glass products for commercial and residential applications where ease of use, durability and reliability are equally as important as aesthetic design.

With over 90 years experience in the industry, Henderson has become an acknowledged world leader in the design and manufacture of sliding and folding door hardware, securing its reputation as a specialist company amongst professionals in the industry.

## THE EXPERT SERVICE

If you have a project where you would like to use sliding or folding door hardware use the FREE Henderson Expert Service to supply your bill of materials, quantities, prices and drawings.

Simply contact our Technical Sales Department and based on the answers you give to a series of questions, including the opening size, door size and weight of the panels, we can specify the most suitable product. From this you will receive a full quotation from Henderson including:

- ▶ Quantity
- ▶ Price
- ▶ Drawings
- ▶ Fitting Instructions

If you wish to make a change to your original specification simply contact us and we will amend the original enquiry and issue you with a revised quotation.

It couldn't be simpler, leave it to the experts!



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## ZENITH

For sliding glass doors up to 25kg

Zenith is a versatile product ideally suited for bookcases, jewellery display panels, interior windows and lightweight glass doors. Manufactured using satin- anodised aluminum gear with brush-pile strips; this product delivers a silent and easy glide motion for a variety of applications.

## Specification

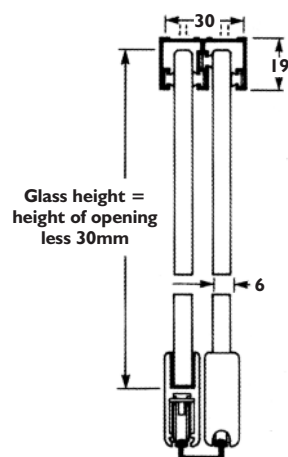
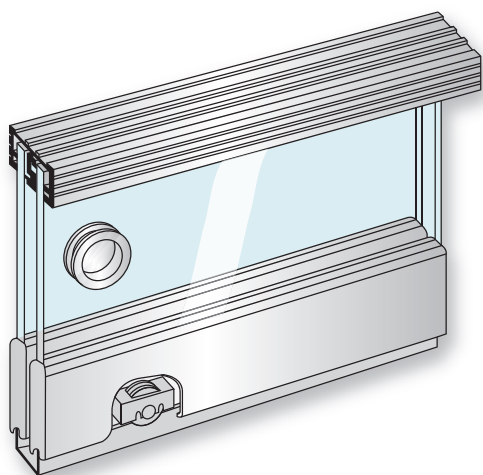
Maximum door weight	<b>25kg</b>
Maximum door height	<b>1800mm</b>
Maximum door width	<b>916mm</b>
Maximum glass thickness	<b>6mm</b>

## Kits

Kit	Maximum Opening Width	Number of doors
Z12	1200mm	2
Z15	1500mm	2
Z18	1800mm	2

## Accessories

For details of our accessories please refer to page 31



## HUSKY

for sliding glass doors up to 50kg and 75kg

Husky is the ideal solution for lightweight glass applications such as office doors and small glass partitions. Its versatility allows the kit to be face fixed or soffit fixed without compromising on the function of the system. The nature of these applications require quality aesthetic finishes and to meet this demand, Husky has an additional purpose designed clip on fascia for soffit fixed applications.

## Specification

Maximum door weight	<b>50kg and 75kg</b>
Maximum door height	<b>2400mm</b>
Maximum door width	<b>1250mm</b>
Glass thickness	<b>8mm, 10mm and 12mm</b>

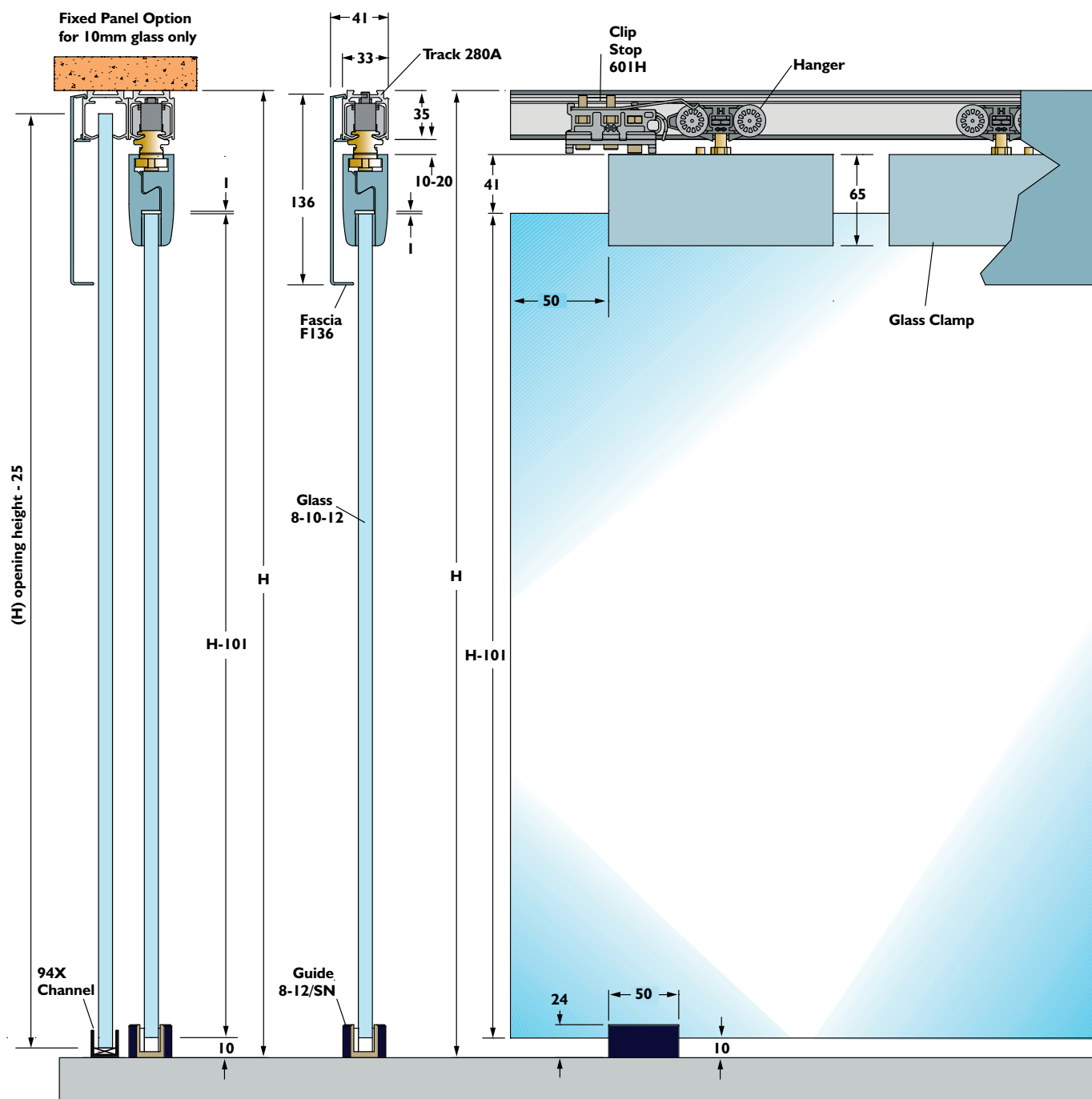
## Technical information

			Code
Track		(aluminium, mill finish)	<b>280A</b>
		(aluminium, anodised finish)	<b>280AN</b>
		Available in 1500, 2000, 2500 and 3000mm lengths	
Brackets	Face fix		<b>281A</b>
	Joining and End		<b>281AX</b>
Fascias	Soffit fixed track (anodised)		<b>F136</b>
Glass clamp kit	50kg	8mm glass	<b>8/HY/50</b>
		10mm glass	<b>10/HY/50</b>
		12mm glass	<b>12/HY/50</b>
	75kg	8mm glass	<b>8/HY/75</b>
		10mm glass	<b>10/HY/75</b>
		12mm glass	<b>12/HY/75</b>
	Kit consists of two hangers, two glass clamps, two 601H retaining stops and an adjustable guide		
Floor guide	brushed stainless steel		
	for 8, 10 or 12mm glass		<b>8-12/SN</b>

## Accessories

For details of our accessories please refer to page 31 and 32





## TELESLIDE

for sliding glass doors up to 60kg

Teleslide is a revolutionary telescopic single sliding glass door system, which allows the hardware to be assembled at the top of the door and installed on a corner wall.

The system has been designed as a versatile solution for wall fixed single door left or right sliding applications and is available in an anodised silver finish.



## Specification

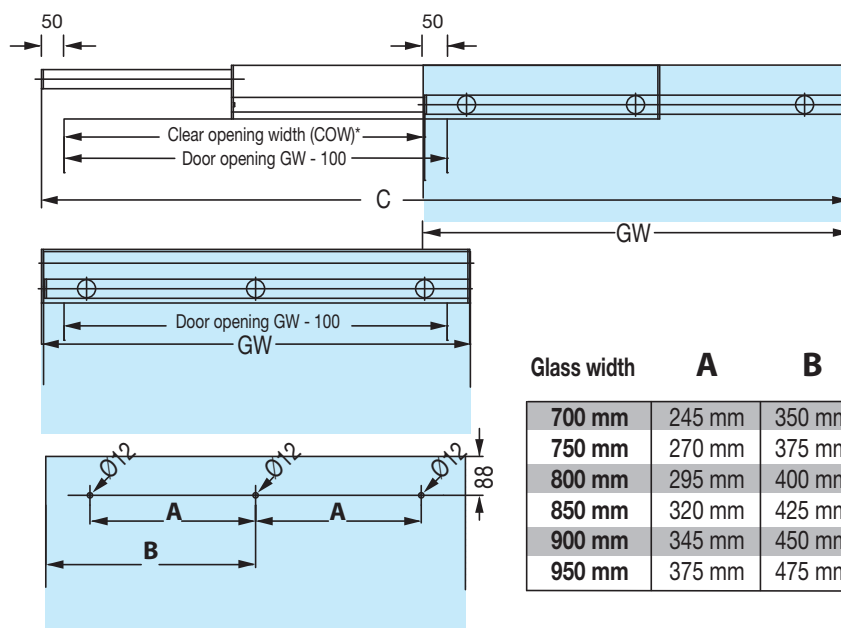
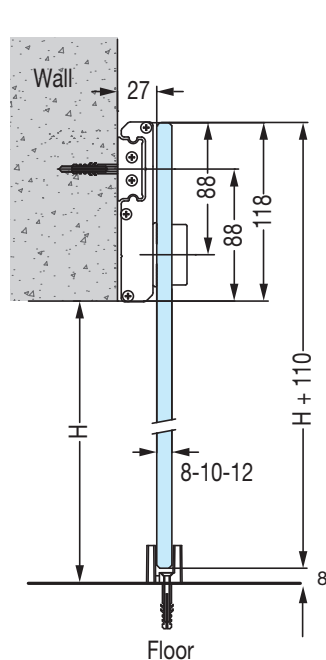
Maximum door weight	<b>60kg</b>
Maximum door width	<b>950mm</b>
Glass thickness	<b>8mm, 10mm and 12mm</b>

## Single left-sliding door kit

Glass width	Code
700mm	<b>TS700SL</b>
750mm	<b>TS750SL</b>
800mm	<b>TS800SL</b>
850mm	<b>TS850SL</b>
900mm	<b>TS900SL</b>
950mm	<b>TS950SL</b>

## Single right-sliding door kit

Glass width	Code
700mm	<b>TS700SR</b>
750mm	<b>TS750SR</b>
800mm	<b>TS800SR</b>
850mm	<b>TS850SR</b>
900mm	<b>TS900SR</b>
950mm	<b>TS950SR</b>



Glass width	A	B	Open system width C
<b>700 mm</b>	245 mm	350 mm	1384 mm
<b>750 mm</b>	270 mm	375 mm	1470 mm
<b>800 mm</b>	295 mm	400 mm	1557 mm
<b>850 mm</b>	320 mm	425 mm	1644 mm
<b>900 mm</b>	345 mm	450 mm	1730 mm
<b>950 mm</b>	375 mm	475 mm	1812 mm

\*Clear opening width will be affected by handle type chosen







# GTS GLASS TRACK SLIDER

for sliding glass doors up to 90kg

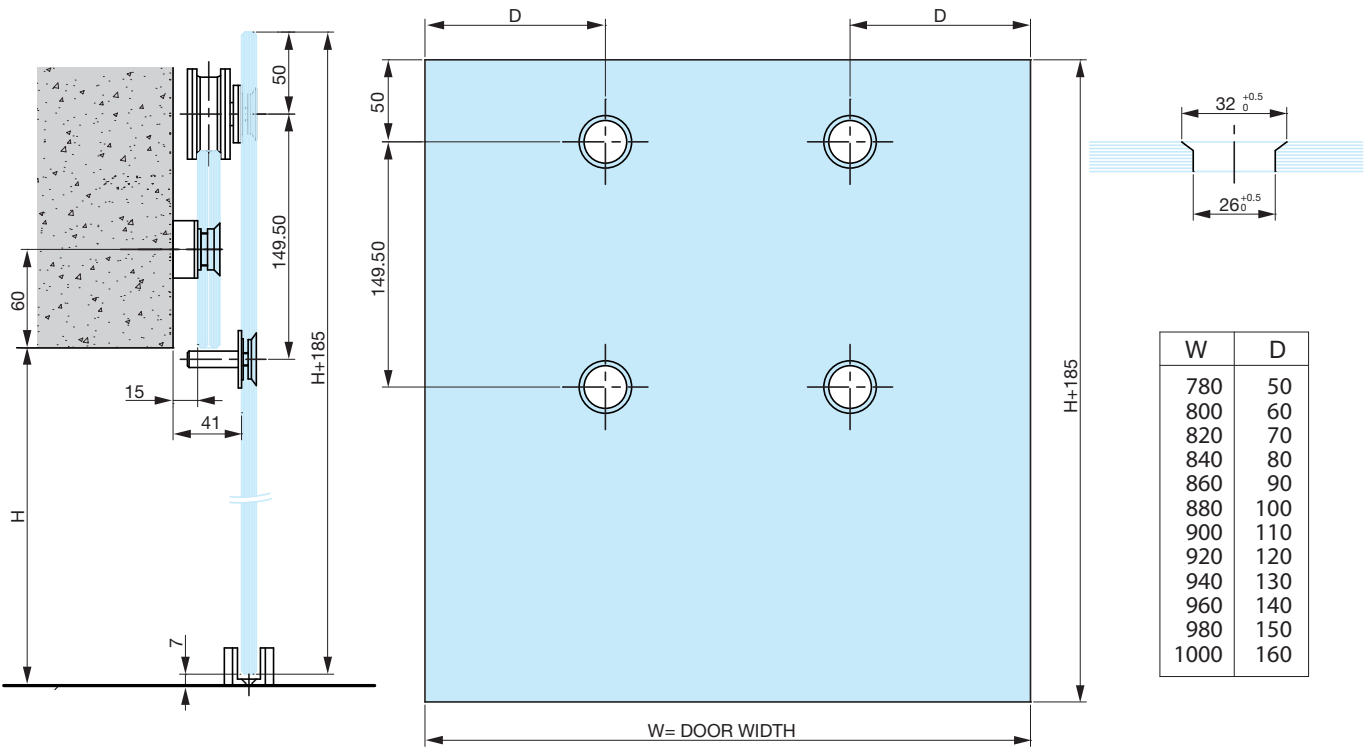
GTS Glass Track Slider is ideal for high end applications where aesthetics and ease of operation are paramount. This enhanced system ensures a clean and gentle operation and is ideal for premium residential and commercial wall installations.

Specification

Maximum door weight	90kg
Maximum door height	3000mm
Maximum door width	1000mm
Glass thickness	8mm, 10mm and 12mm

Kit contents

	Code
Kit	GTS1678
Kit consists of glass track (1678mm) three fixing screws, two trolleys, two anti-derailing pins, two stops and one floor guide.	





## VELARO

for sliding glass doors up to 80kg

Velaro has been designed and tested for interior applications and features a concealed, smooth and quiet operating system thanks to its purpose built polymer rollers and brush strip within the track.

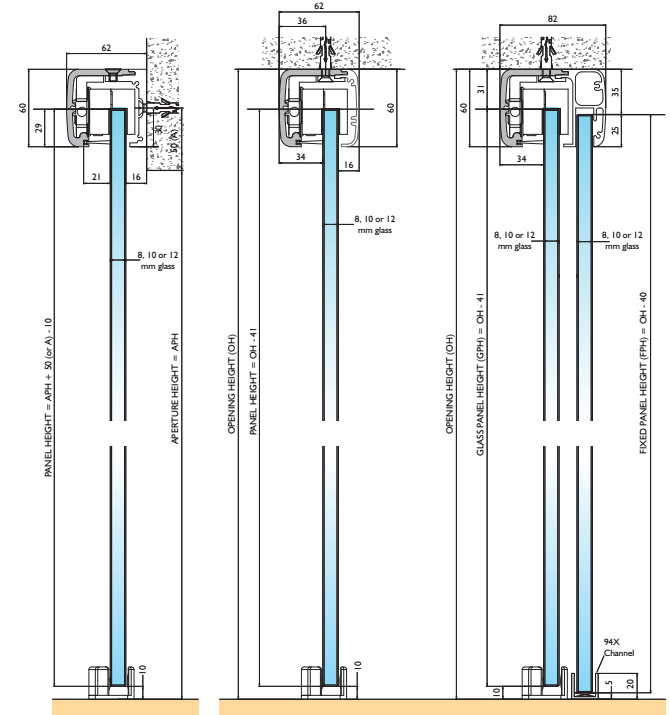
Ideal for soffit and face fixed installations; this single door system incorporates stylish design with unrivalled performance to create a modern and minimalistic finish, with all parts concealed within the track.

## Specification

Maximum door weight	<b>80kg</b>
Maximum door height	<b>2500mm</b>
Maximum door width	<b>1200mm</b>
Glass thickness	<b>8mm, 10mm and 12mm</b>

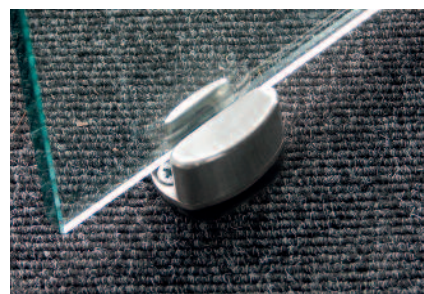
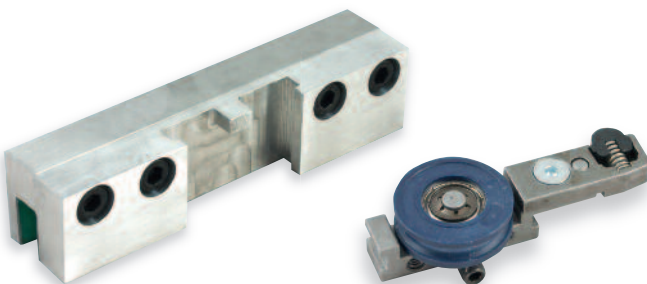
## Technical information

		Code
Track	Anodised aluminium	
	Available in 2000mm, 2500mm, 3000mm, 3500mm, 4000mm, 5000mm and 6000mm lengths complete with brush strips and end caps.	
Face fix profile		<b>V80FF</b>
Soffit fix profile		<b>V80SF</b>
Fixed panel profile		<b>V80FP</b>
Glass clamp kit	8mm glass	<b>V80/8</b>
	10mm glass	<b>V80/10</b>
	12mm glass	<b>V80/12</b>
	Kit consists of: two clamps complete with gaskets, two clip stops, one brushed stainless steel adjustable floor guide.	



Panel height =  
 $APH + 50 - 10$   
 or  $APH + (A) - 10$

Glass panel height (GPH) = Opening height - 41mm  
 Fixed panel height (FPH) = Opening height - 40mm



# SIENNA

for sliding glass doors up to 120kg

This elegant frameless system creates a minimalistic look thanks to the modern design of the stainless steel hangers. Specialised rollers have been engineered to effortlessly run along a brushed stainless steel tubular track, enabling this system to be one of the most efficient on the market.

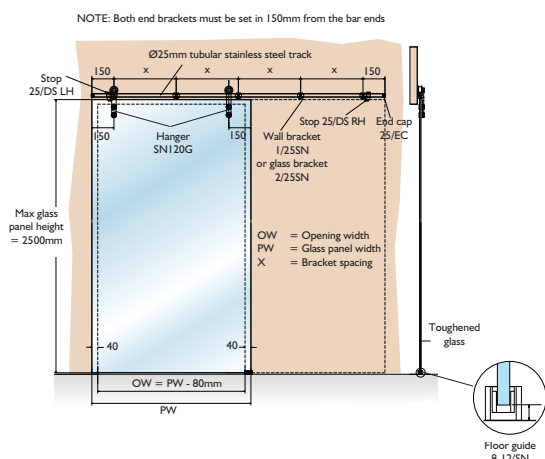
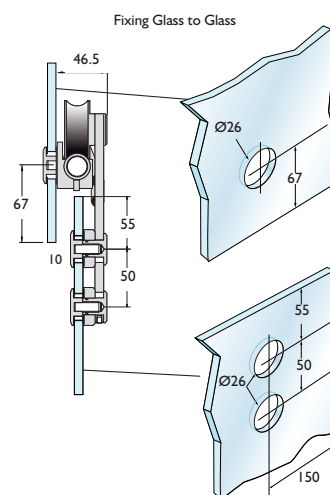
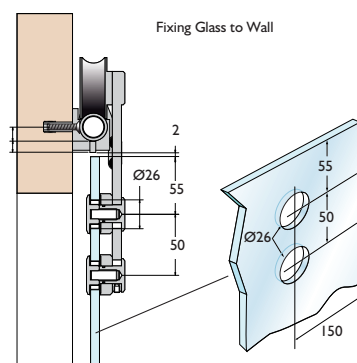
The system has been designed for use with applications requiring glass door to glass wall or glass door to solid wall fixings.

## Specification

Maximum door weight	<b>120kg</b>
Maximum door height	<b>2500mm</b>
Maximum door width	<b>1400mm</b>
Glass thickness	<b>8mm, 10mm and 12mm</b>

## Technical information

	Code
Basic kit	2 hangers, 2 door stops, one guide, <b>SN120G</b>
	2 bar end caps, one fitting tool and 2 Allen keys
Track	Ø25mm stainless steel tubular track available in standard lengths up to 6000mm
Brackets	Face-fix bracket for solid wall <b>1/25SN</b> Face-fix bracket for glass wall <b>2/25SN</b>
Floor guide	for 8, 10 and 12mm glass <b>8-12/SN</b>
Door stop	Stop right hand <b>25/DSR</b> Stop left hand <b>25/DSL</b>
Handle	For details of our handles and other accessories please refer to page 31 and 32





## PACER

for sliding glass doors weighing up to 130kg  
and 180kg

The Pacer glass system can accommodate both sliding and fixed door panels, making it ideal for interior dividers in offices and shops as well as more modern applications in new developments. The nature of these applications require quality aesthetic finishes and to meet this demand, Pacer has an additional purpose designed clip on fascia for both soffit fixed and face fixed applications.

## Specification

Maximum door weight	<b>130kg and 180kg</b>
Maximum door height	<b>3000mm</b>
Maximum door width	<b>3000mm</b>
Glass thickness	<b>8mm, 10mm and 12mm</b>

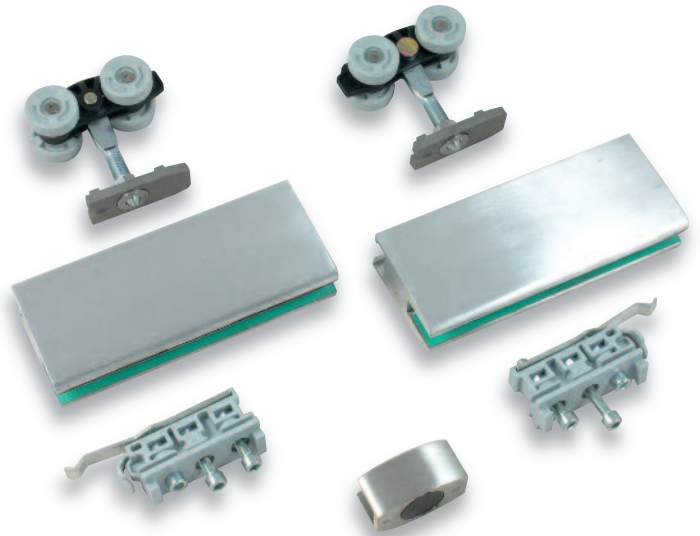
## Technical information

		Code
Track*	Anodised aluminium	<b>600/xxxxAN</b>
	Mill finish aluminium	<b>600/xxxx</b>
Fixed glass panel bracket		<b>600FPB</b>
All profiles available in 2000, 2500, 3000, 3500, 4000 and 6000mm lengths		
Brackets	Face fix	<b>1B</b>
	Joining bracket	<b>1BX</b>
Fascias	Soffit fixed track	<b>F160X</b>
	Face fixed track	<b>F200X</b>
Glass clamp kit	130kg	8mm glass <b>8/PA/130</b>
		10mm glass <b>10/PA/130</b>
		12mm glass <b>12/PA/130</b>
	180kg	8mm glass <b>8/PA/180</b>
		10mm glass <b>10/PA/180</b>
		12mm glass <b>12/PA/180</b>
Floor guide	for 8, 10 or 12mm glass panels	<b>8-12/SN</b>
Kit consists of two 56 hanger assemblies, two glass clamp assemblies, a universal guide and two 60IP retaining stops		

\*Replace xxxx with length of track required

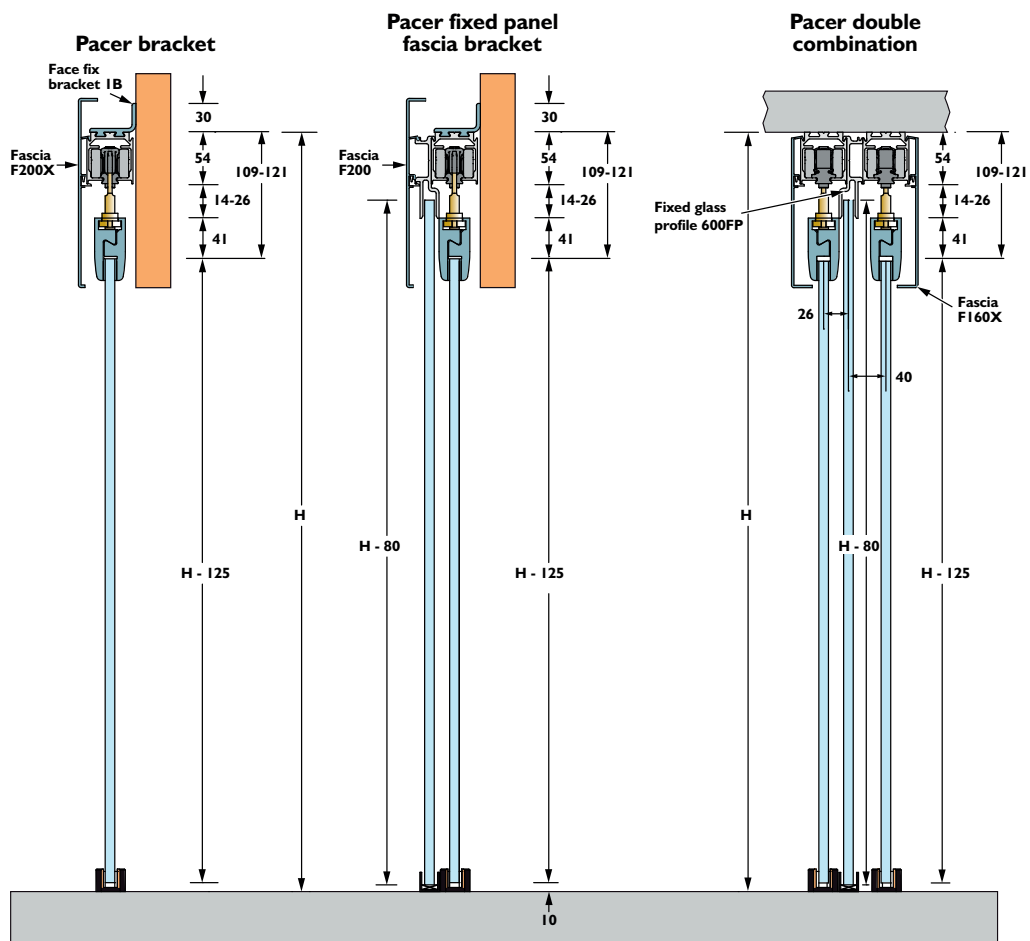
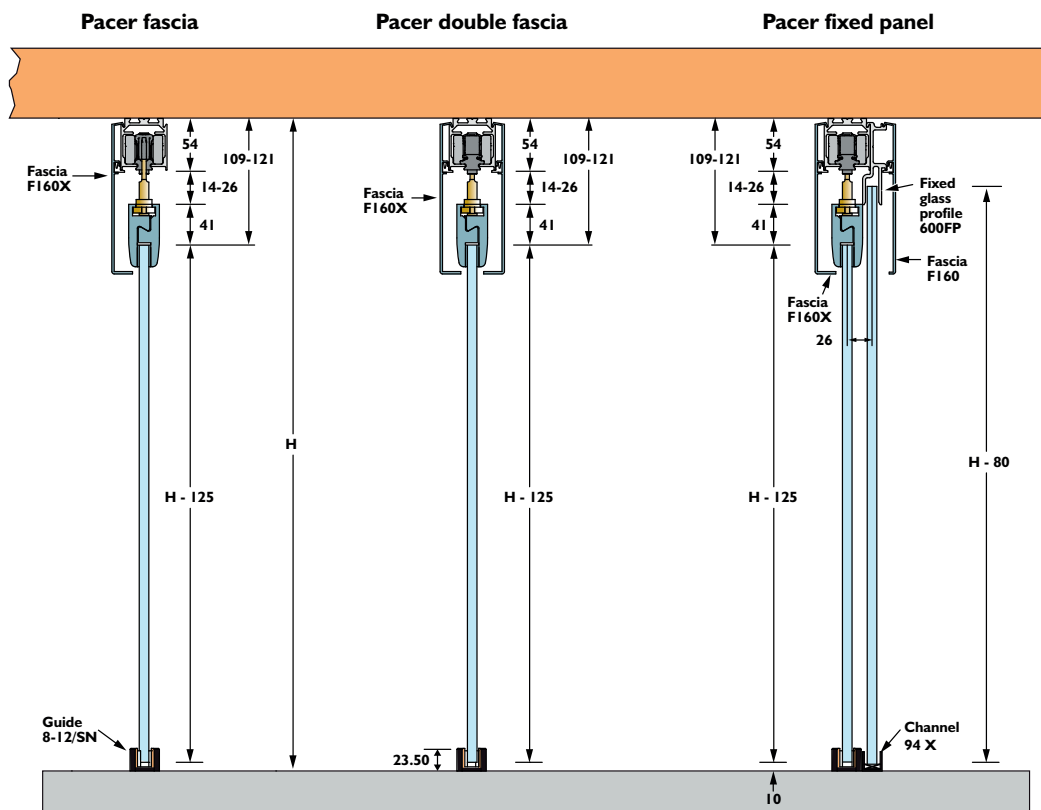
## Accessories

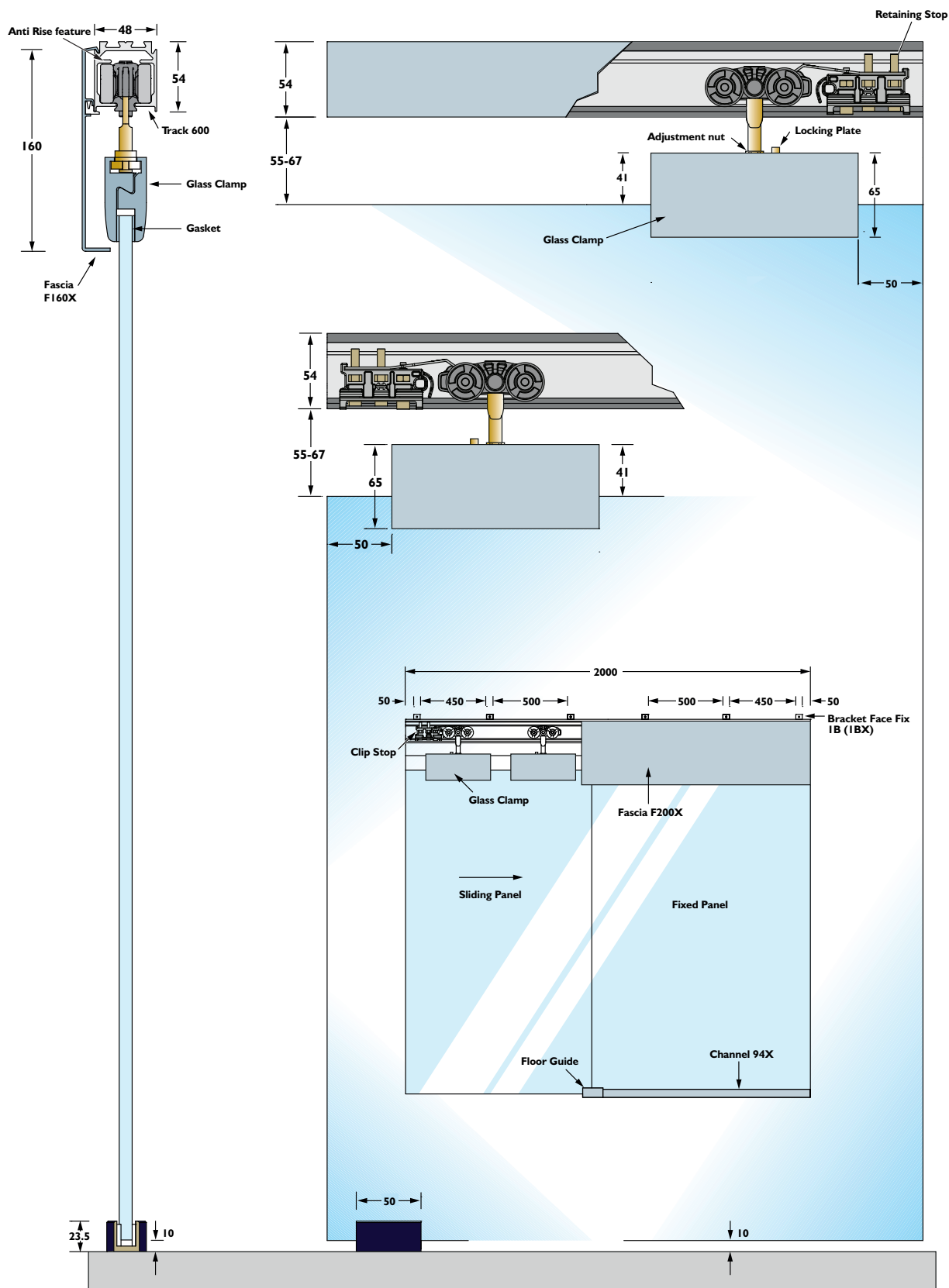
For details of our accessories please refer to page 31













## CILINDRIC

for top-hung glass doors up to 200kg

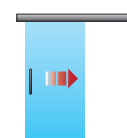
Cilindric is a versatile solid stainless steel straight sliding system capable of installation applications weighing up to 200kg. This silent smooth running system offers three possible installation options: wall, ceiling or transom allowing it to be suited to a variety of applications, where style and aesthetics are equally as important as function and durability.

## Specification

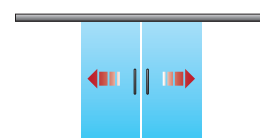
Maximum door weight	<b>200kg</b>
Glass thickness	<b>10mm and 12mm</b>

## Technical Information

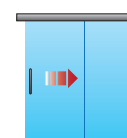
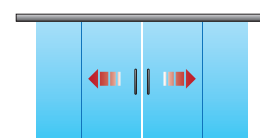
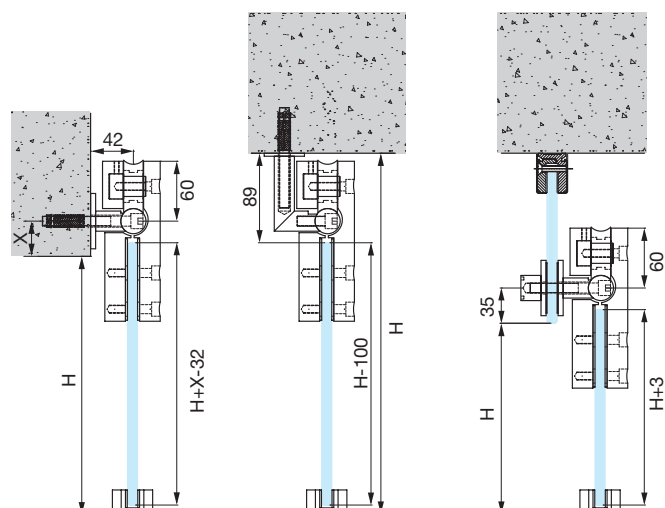
		Code
Hanger		<b>CR01</b>
Rail	3000mm (6 holes)	<b>C3000</b>
	3500mm (7 holes)	<b>C3500</b>
	4000mm (8 holes)	<b>C4000</b>
Brackets	Wall to rail	<b>CR02</b>
	Wall to rail bracket cover	<b>C581</b>
	Wall to rail end bracket	<b>CR02K</b>
	Glass to rail (standard)	<b>CR05</b>
	Glass to glass/glass to rail (double)	<b>CR06</b>
	Ceiling to rail	<b>CR07</b>
	Wall/ceiling to fixed panel bracket (hanger design)	<b>CR28</b>
Door stop	Left hand	<b>CR03L</b>
	Right hand	<b>CR03R</b>
Floor guide	for 10mm or 12mm glass	<b>8-12/SN</b>
Tightening key		<b>CT05</b>



Single door



Double doors

Single door  
+ Fixed panelDouble doors  
+ Fixed panel





# TRAVERSE SLIDING

for sliding glass doors weighing up to 250kg

Traverse sliding is a unique straight sliding system for glass doors weighing up to 250kg.

Ideally suited to both internal and external applications, it is an ideal product for hotels, offices, shop fronts and showrooms or any site that requires high performance and an attractive finish.

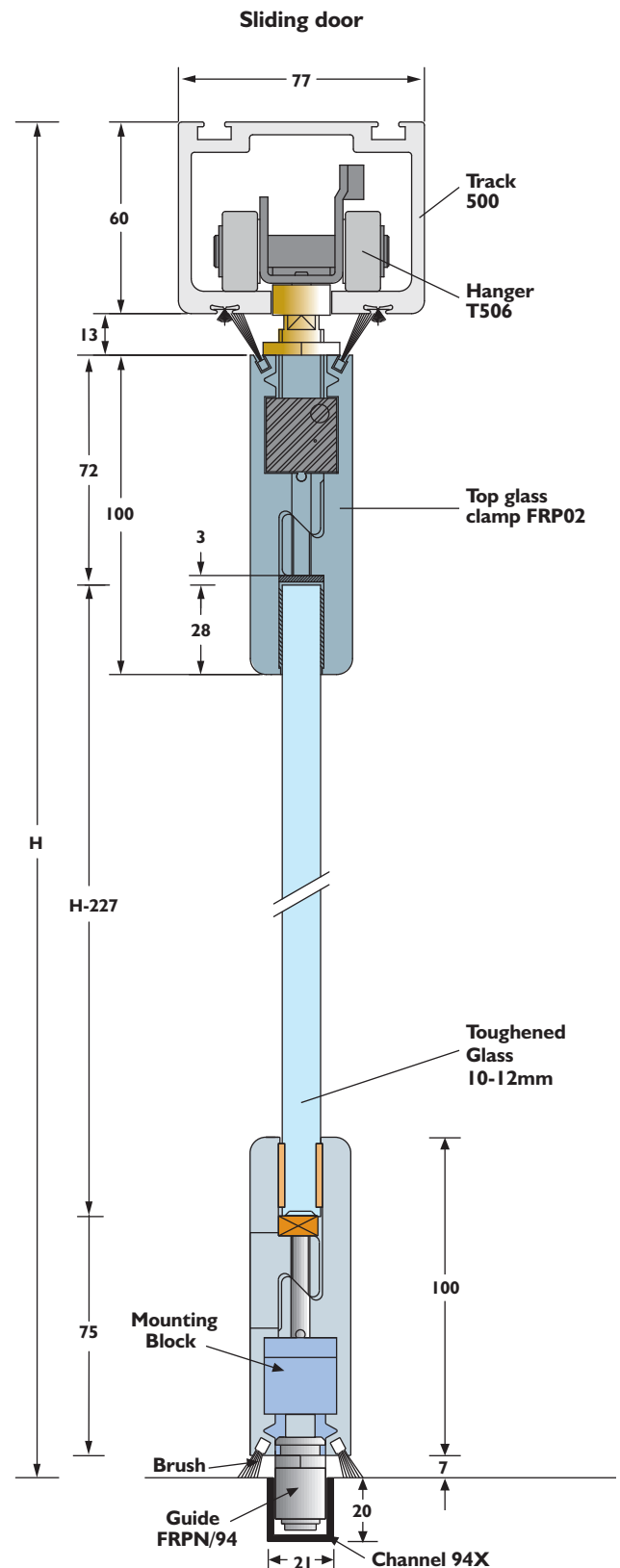
A versatile system that offers both face fixed and soffit fixed installations, its stylish design offers a modern, durable finish.

## Specification

Maximum door weight	<b>250kg</b>
Maximum door height	<b>toughened glass - 3000mm</b>
Glass thickness	<b>toughened glass - 10mm and 12mm</b>

## Technical information

	Code
Track	Anodised aluminium <b>500</b>
Brackets	Face fix <b>1A/500</b>
	Soffit fix <b>3S/500</b>
Hangers	with mounting block <b>T506</b>
Glass Profile	<b>FRP02</b>
Guides	with mounting block <b>FRPN/94</b>
Guide Channel	Aluminium <b>94X</b>
	Aluminium threshold/guide channel <b>94T</b>



# FLEXIROL SLIDING

for sliding glass doors up to 500kg

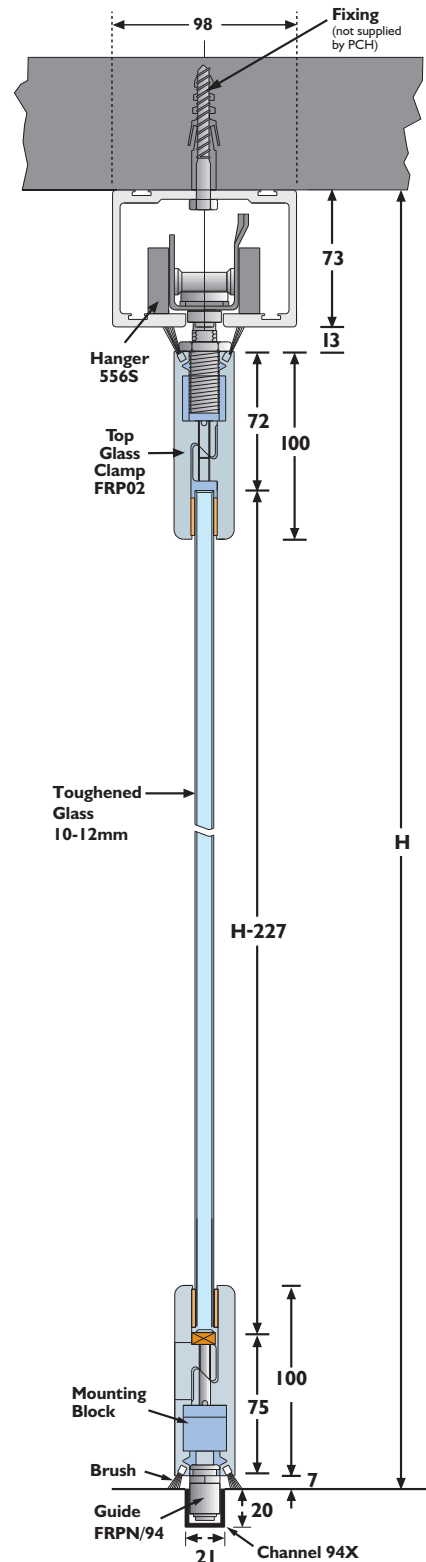
Flexirol is a unique system ideally suited to large doors that require high performance as well as an attractive finish. It's an ideal product for hotels, offices, conference centres, shop fronts and showrooms where durability and design are paramount.

## Specification

Maximum door weight	<b>500kg</b>
Maximum door height	<b>toughened glass - 4000mm</b>
Glass thickness	<b>toughened glass - 10mm and 12mm</b>

## Technical information

		Code
Track	Mill finish or white aluminium	<b>550</b>
Brackets	Face fix	<b>1A/550</b>
	Soffit fix	<b>3S/550</b>
Hangers	with mounting block	<b>556S</b>
Glass Profile		<b>FRP02</b>
Guides	with mounting block	<b>FRPN/94</b>
	Brass	<b>94</b>
Guide Channel	Aluminium	<b>94X</b>
	Aluminium threshold/guide channel	<b>94T</b>



## EASYFOLD

for folding glass panels up to 45kg

Easyfold is a system designed for both interior and exterior applications. Panels are connected using a system of glass hinges, to cover a wide range of applications.

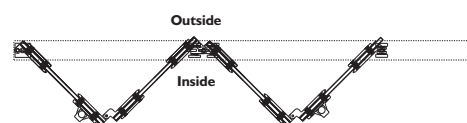
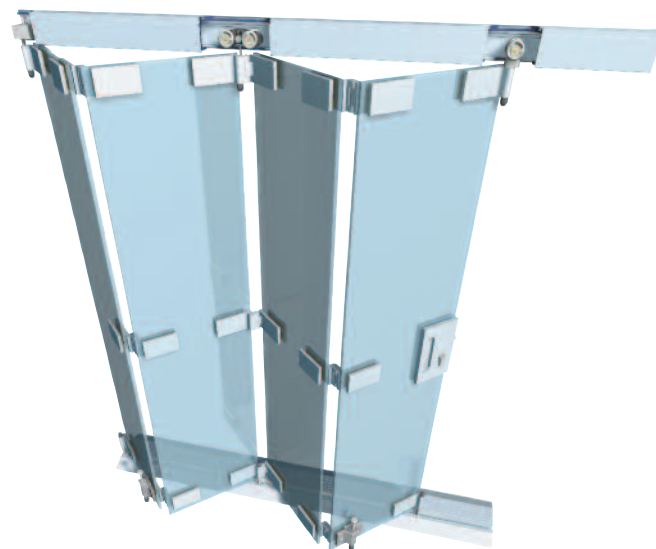
The hardware is available in four stylish finishes, white powder coat, polished anodised, silver anodised and black anodised to further enhance the aesthetic versatility of the product.

## Specification

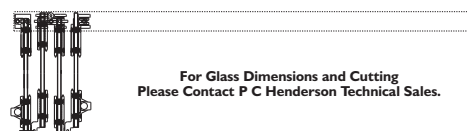
Maximum panel weight	<b>45kg</b>
Maximum panel height	<b>2400mm</b>
Maximum panel width	<b>750mm</b>
Glass thickness	<b>8mm and 10mm</b>
Maximum number of doors	<b>6 to one side</b>

## Technical information

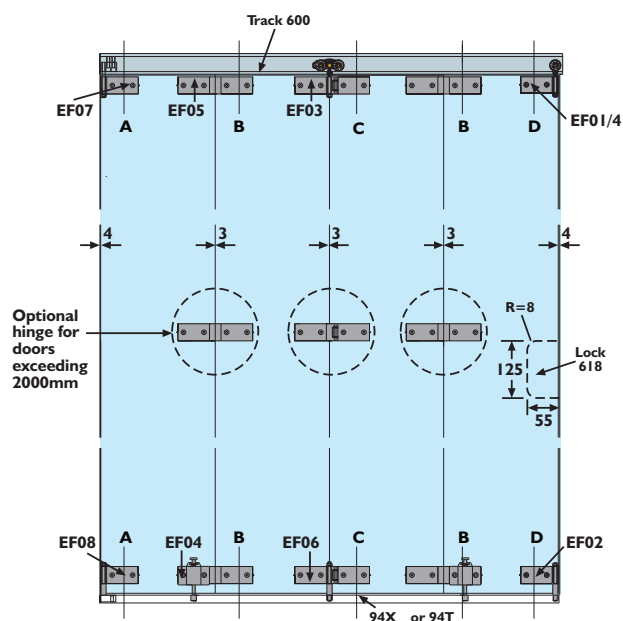
		Code
Track	Mill finish aluminium	<b>600</b>
	Available in 2000mm, 2500mm, 3000mm 3500mm, 4000mm and 6000mm lengths	
Brackets	Face fix (at 500mm intervals)	<b>IB</b>
	Joining bracket	<b>IBX</b>
Hangers	Four wheeled end hanger with single hinge	<b>EF01/4SA</b>
	Four wheeled intermediate hanger with double hinge	<b>EF03SA</b>
Hinges	Double hinge	<b>EF05SA</b>
Pivots	Top pivot with single hinge	<b>EF07SA</b>
	Bottom pivot with single hinge	<b>EF08SA</b>
Guides	End guide with single hinge	<b>EF02SA</b>
	Intermediate guide with double hinge	<b>EF06SA</b>
Guide Channel	Aluminium	<b>94X</b>
	Aluminium threshold/guide channel	<b>94T</b>

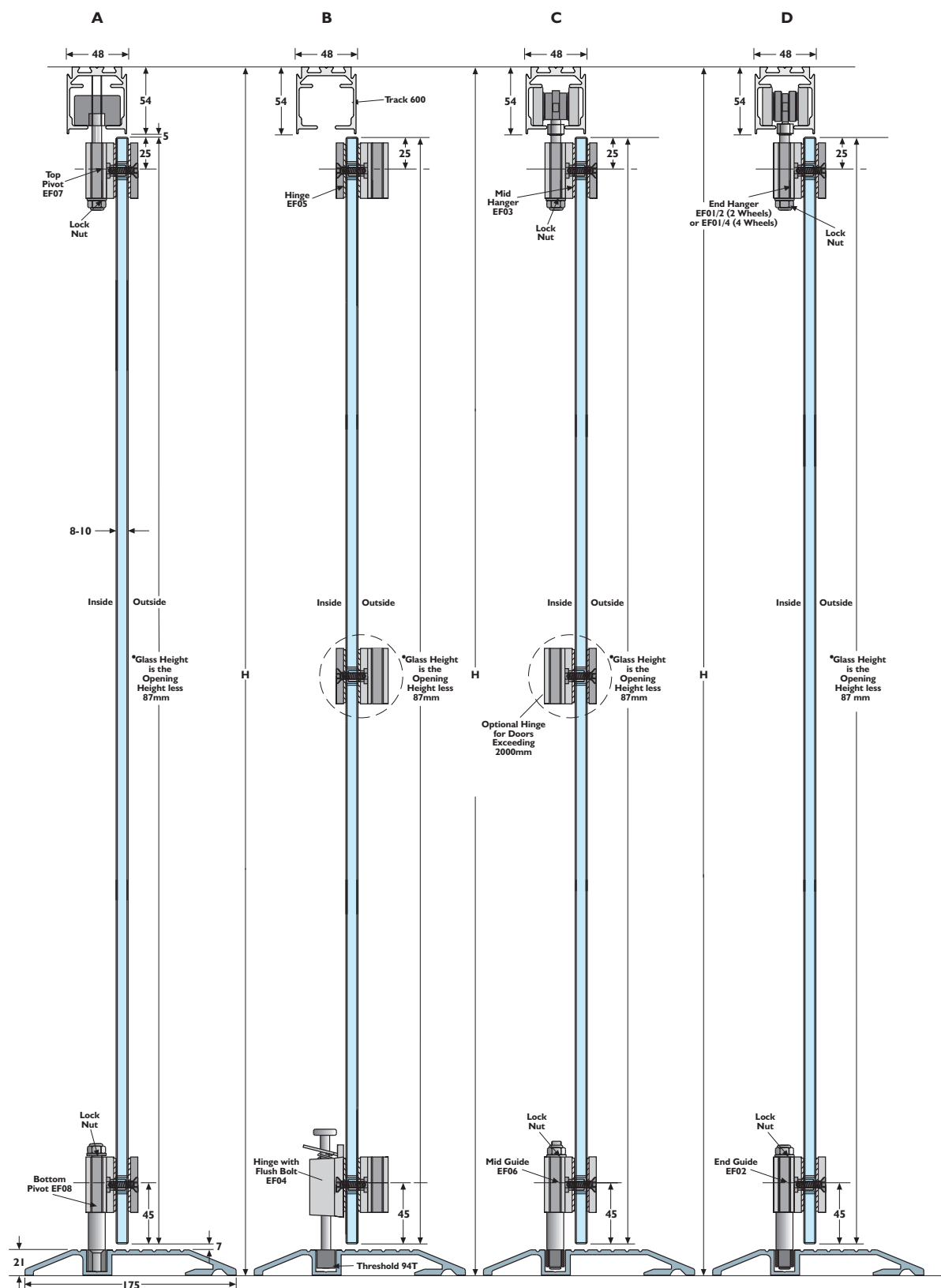


Plan: 4 Doors Folding to the Left



For Glass Dimensions and Cutting  
Please Contact P C Henderson Technical Sales.





\*In Combination with 94X Glass Height is the Opening Height less 66mm

For Glass Dimensions and Cutting Please Contact P C Henderson Technical Sales.

## TRAVERSE FOLDING

for folding glass doors weighing up to 60kg

Traverse folding is suited to glass panels of up to 60kg, in both exterior and interior applications, where panels can either end fold or centre fold.

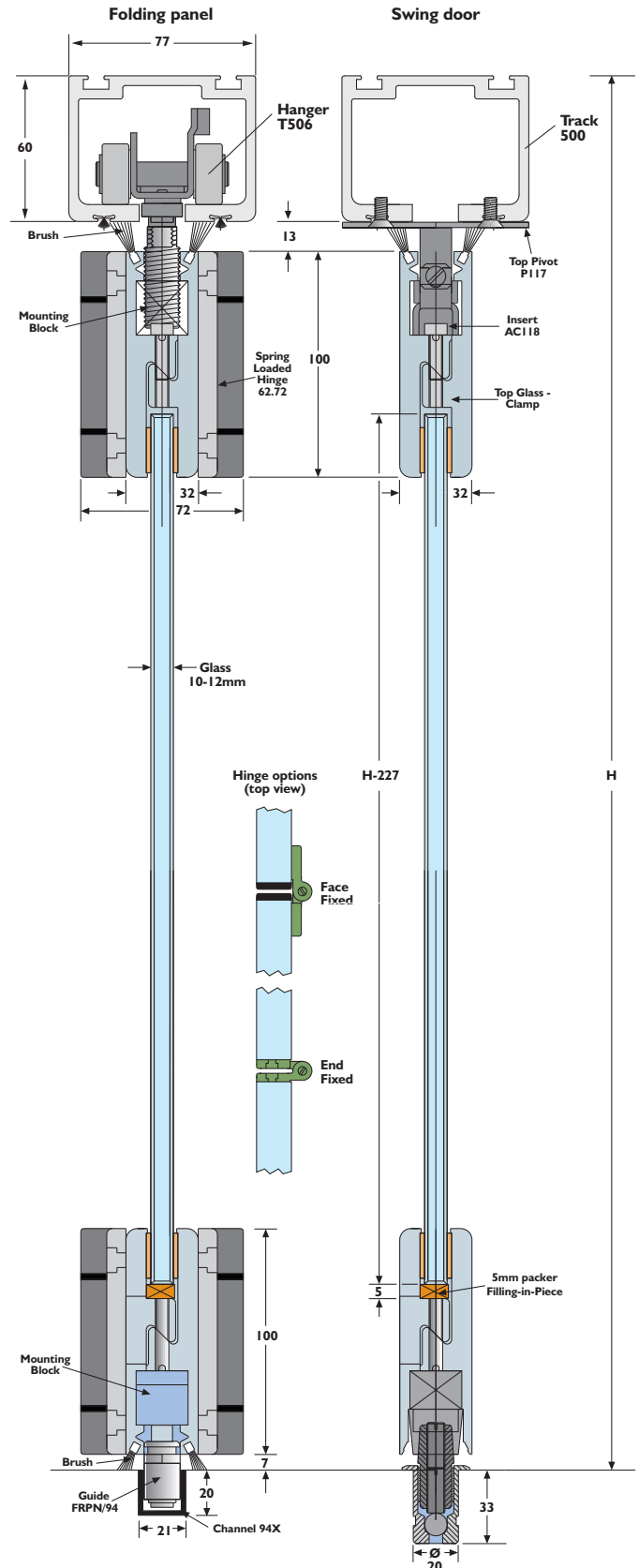
Available in a stylish aluminium finish, importance is placed equally on the quality aesthetics of the product along with performance and durability.

## Specification

Maximum door weight	<b>60kg</b>
Maximum door height	<b>2500mm</b>
Maximum door width	<b>900mm</b>
Glass thickness	<b>toughened glass - 10mm and 12mm</b>

## Technical information

		Code
Track	Anodised aluminium	<b>500</b>
Brackets	Face fix	<b>1A/500</b>
	Soffit fix	<b>3S/500</b>
Hangers	with mounting block	<b>T506</b>
Glass Profile		<b>FRP02</b>
Pivots	Glass pivot set	<b>21/500GP</b>
Guides	with mounting block	<b>FRPN/94</b>
Guide Channel	Aluminium	<b>94X</b>
	Aluminium threshold/guide channel	<b>94T</b>
Hinges	Adjustable spring loaded	<b>62.72</b>





# FLEXIROL FOLDING

for top-hung folding glass doors up to 125kg

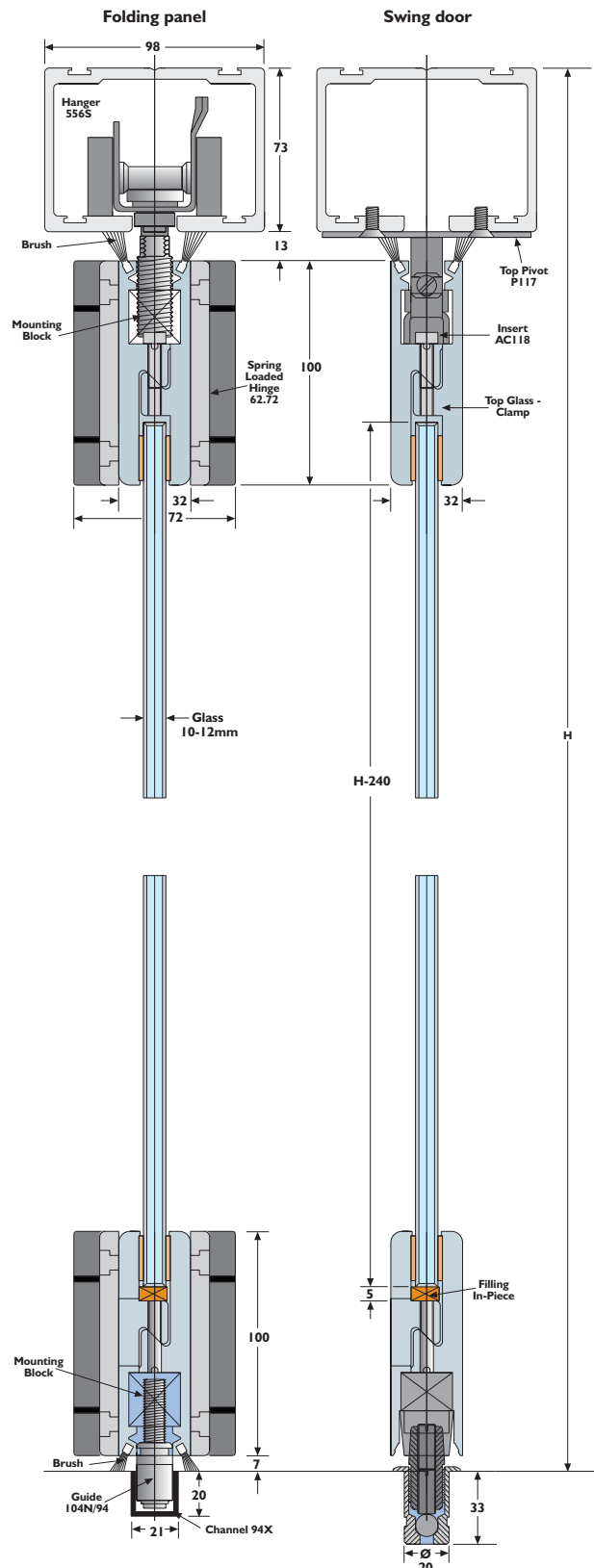
Flexirol folding is a bespoke product suited to heavy glass panels, in both interior and exterior applications. Panels can either centre fold or end fold depending on the positioning of the hanger, within the full width profile. Flexirol profiles are available in a variety of finishes and made to measure with the necessary routing completed.

## Specification

Maximum door weight	<b>125kg</b>
Maximum door height	<b>2500mm</b>
Maximum door width	<b>900mm</b>
Glass thickness	<b>toughened glass - 10mm and 12mm</b>

## Technical information

		Code
Track	Mill finish or white aluminium	<b>550</b>
Brackets	Face fix (at 500mm intervals)	<b>1A/550</b>
	Soffit fix	<b>3S/550</b>
Hangers	with mounting block	<b>556S</b>
Pivots	Glass pivot set	<b>21/550GP</b>
Glass Profile		<b>FRP02</b>
Guides	with mounting block	<b>FRPN/94</b>
Guide Channel	Aluminium	<b>94X</b>
	Aluminium threshold/guide channel	<b>94T</b>
Hinges	Adjustable face-fixed spring-loaded	<b>62.72</b>



# FLEXIROL MULTIDIRECTIONAL 90°

for top-hung glass doors up to 100kg

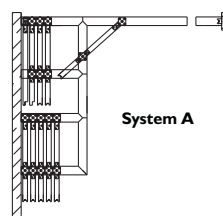
Flexirol Multidirectional 90° is designed for lightweight glass panels, in residential or commercial environments requiring 90° flexible movement options. The system is ideal for shop fronts or internal room partitions and also benefits from a stacking formation, which allows the doors to be stored clear of the threshold.

## Specification

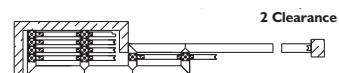
Maximum door weight when using 2 hangers per leaf	<b>100kg</b>
Maximum door height	<b>toughened glass - 4000mm</b>
Maximum swing door width	<b>1200mm</b>
Glass thickness	<b>toughened glass - 10mm and 12mm</b>

## Technical information

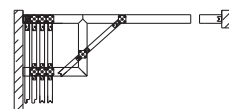
		Code
Track	Mill finish or white aluminium	<b>550</b>
Brackets	Face fix	<b>1A/550</b>
	Soffit fix	<b>3S/550</b>
Hangers	90° hanger	<b>555S</b>
Glass Profile	Top/bottom glass and swing profile	<b>FRP02</b>
Pivots	Glass pivot set	<b>21/550GP</b>



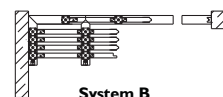
System A



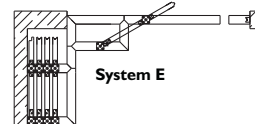
System C



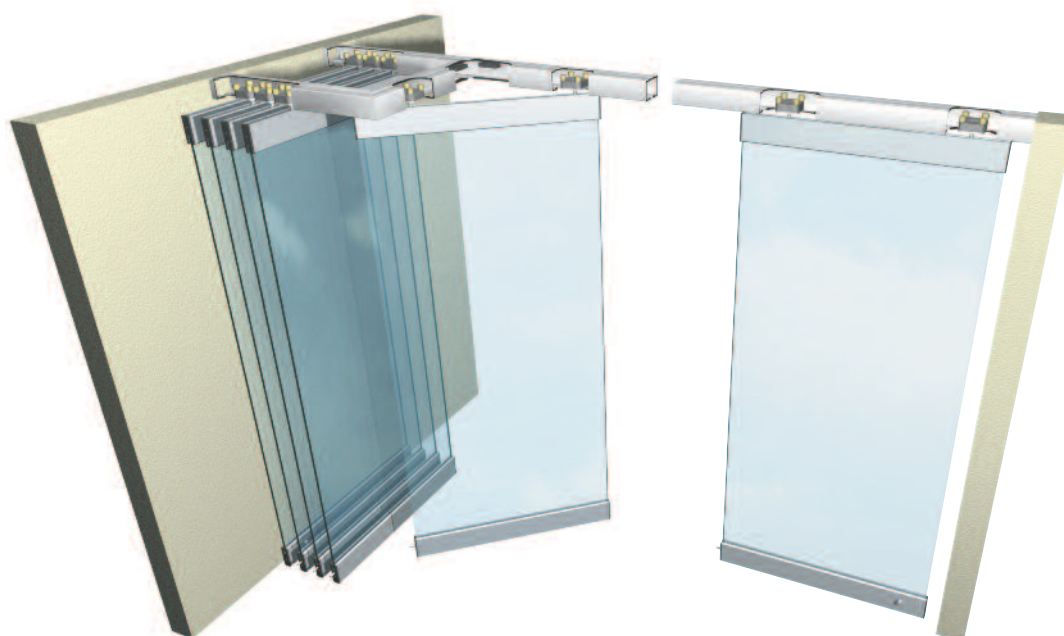
System D



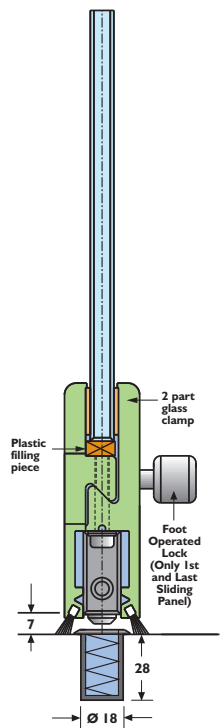
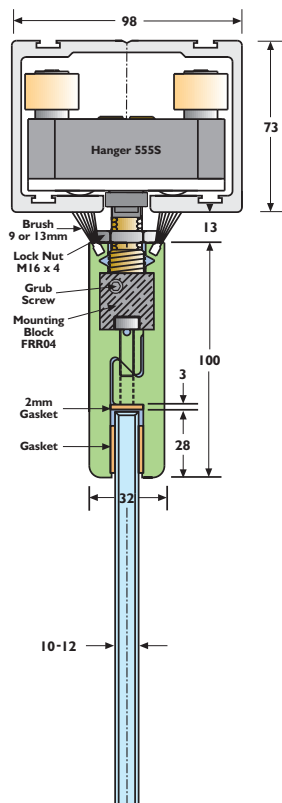
System B



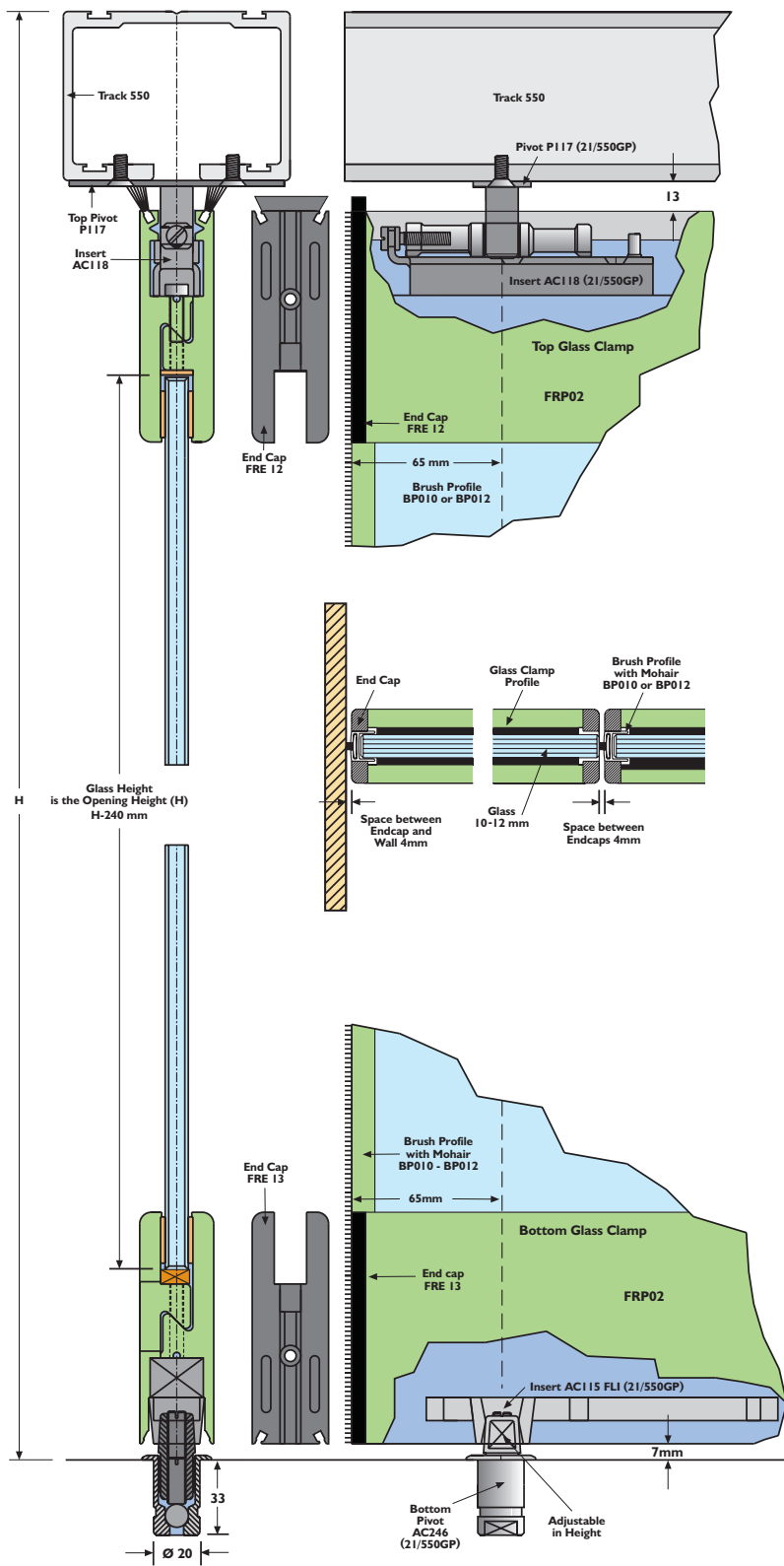
System E



### Multidirectional door



### Swing door



## TRAVERSE MULTIDIRECTIONAL 135°

for top-hung stacking glass doors up to 250kg

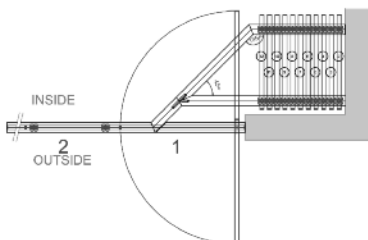
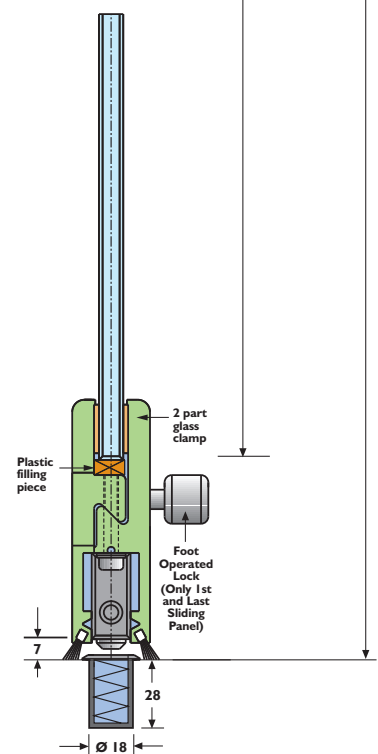
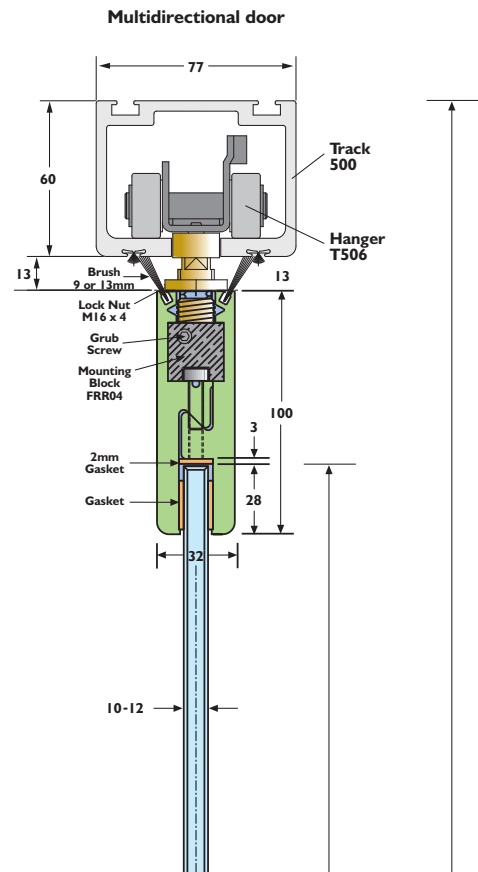
Traverse is a system that acts as a mobile partition, using suspended glass panels without the need for a floor guide. The system is suitable for both internal and external partitions and has a variety of options for panel storage, without obstructing the entrance. Panels can be stored in such a way that they are out of sight or placed in a separate concealed location.

## Specification

Maximum door weight when using 2 hangers per leaf	<b>250kg</b>
Maximum door height	<b>toughened glass - 3000mm</b>
Maximum swing door width	<b>1000mm</b>
Glass thickness	<b>toughened glass - 10mm and 12mm</b>

## Technical information

		Code
Track	Anodised aluminium	<b>500</b>
Brackets	Face fix (at 500mm intervals)	<b>1A/500</b>
	Soffit fix	<b>3S/500</b>
Hangers		<b>T506</b>
Pivots	Glass pivot set	<b>21/500GP</b>
Glass Profile		<b>FRP02</b>









# FLEXIROL MULTIDIRECTIONAL 135°

for top-hung glass doors up to 500kg

Flexirol Multidirectional 135° is designed for heavy glass panels, in residential or commercial environments requiring 135° flexible movement options. The system is ideal for hotels, conference centres, showrooms, shop fronts or internal room partitions and also benefits from a stacking formation, which allows the doors to be stored clear of the opening.

## Specification

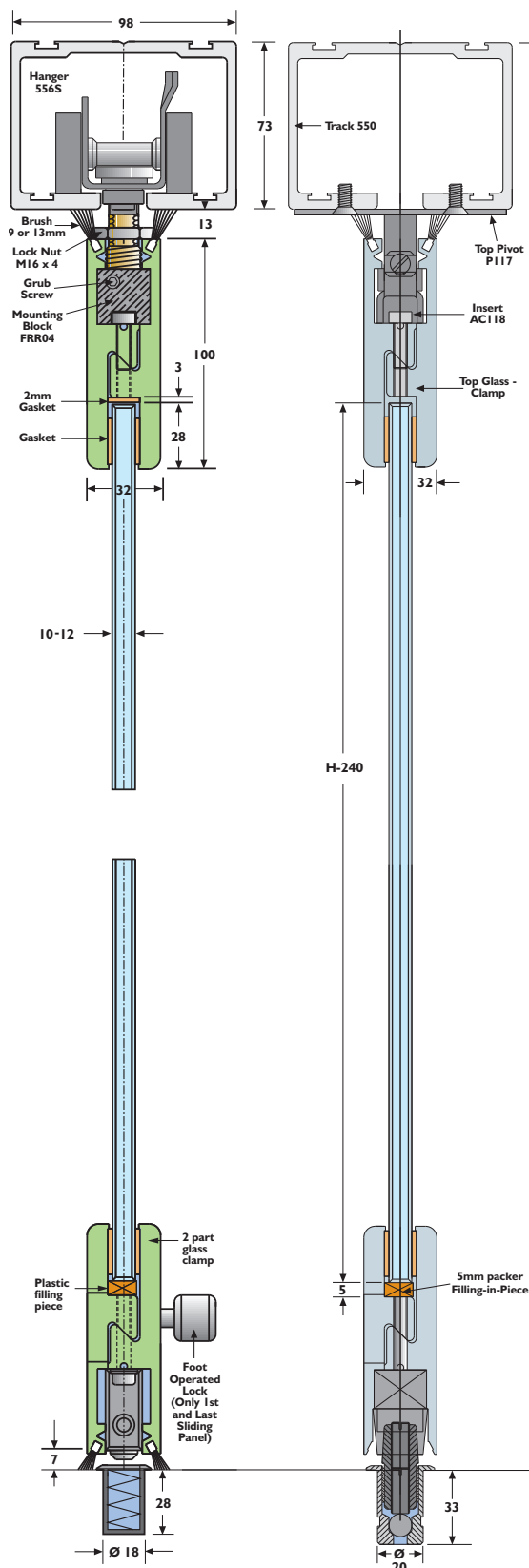
Maximum door weight when using 2 hangers per leaf	<b>500kg</b>
Maximum door height	<b>toughened glass - 4000mm</b>
Maximum swing door width	<b>1200mm</b>
Glass thickness	<b>toughened glass - 10mm and 12mm</b>

## Technical information

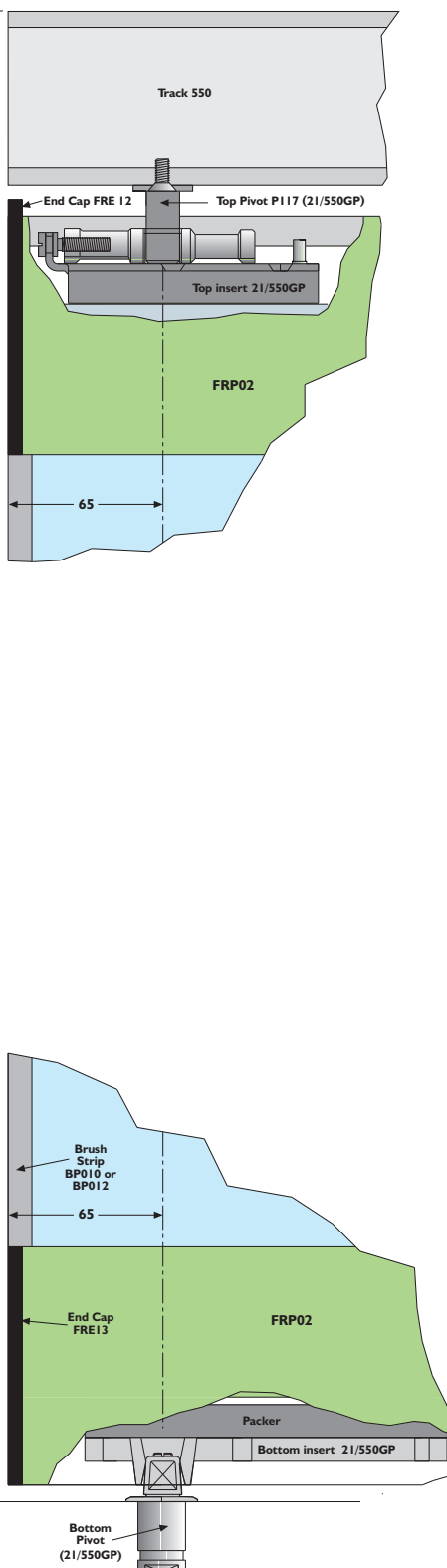
		Code
Track	Mill finish or white aluminium	<b>550</b>
Brackets	Face fix	<b>1A/550</b>
	Soffit fix	<b>3S/550</b>
Hangers	135° hanger	<b>556S</b>
Glass Profile		<b>FRP02</b>
Pivots	Glass pivot set	<b>21/550GP</b>



## Multidirectional door

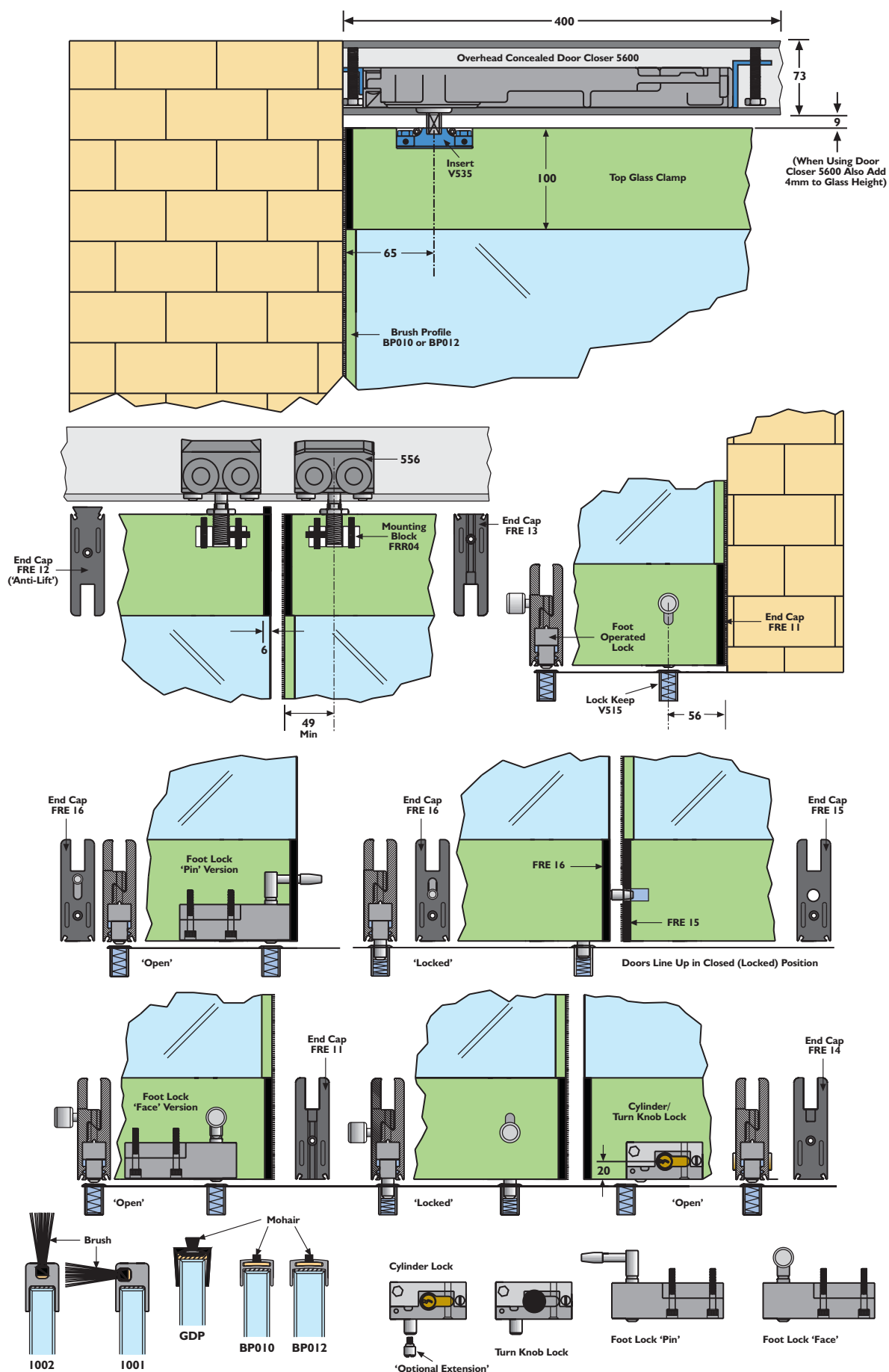


## Swing door



## FLEXIROL MULTIDIRECTIONAL ACCESSORIES

for top-hung glass doors up to 500kg



## ACCESSORIES

## Locks and Lock Accessories

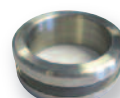
		Code
Cylinder lock (left)	Aluminium (Zenith only)	<b>507L</b>
Cylinder lock (right)	Aluminium (Zenith only)	<b>507R</b>
Glass door lock	Polished brass	<b>618PB</b>
Glass door lock receiver	Polished brass	<b>619PB</b>
Glass door lock	Silver anodised	<b>618SA</b>
Glass door lock receiver	Silver anodised	<b>619SA</b>
Glass door lock	Polished chrome	<b>618PC</b>
Glass door lock receiver	Polished chrome	<b>619PC</b>
Glass door lock	Satin chrome	<b>618SC</b>
Glass door lock receiver	Satin chrome	<b>619SC</b>

## Flush Pulls

		Code
Glass flush pull	Stainless steel Ø 65mm through glass	<b>GPI</b>
	glass cutting Ø 55mm	
	Stainless steel Ø 57mm blind	<b>GP2</b>
	glass cutting Ø 46mm	
Glass flush pull	Aluminium Ø 29mm (Zenith only)	<b>27</b>
	glass cutting Ø 22mm	



Lock 618



Flush pull GPI



Flush pull GP2



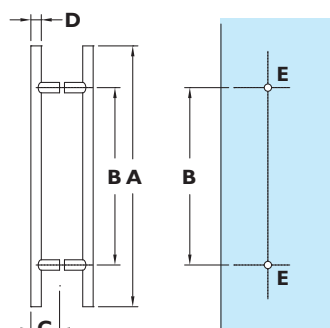
Flush pull 27

## ACCESSORIES

## Handles

Code

Glass door handle set Ø 25mm/600mm length	Chrome plated	<b>H25/600CP</b>
Glass door handle set Ø 30mm/600mm length	Chrome plated	<b>H30/600CP</b>
Glass door handle set Ø 20mm/700mm length	Stainless steel	<b>H20/700SS</b>
Glass door handle set Ø 30mm/700mm length	Stainless steel	<b>H30/700SS</b>

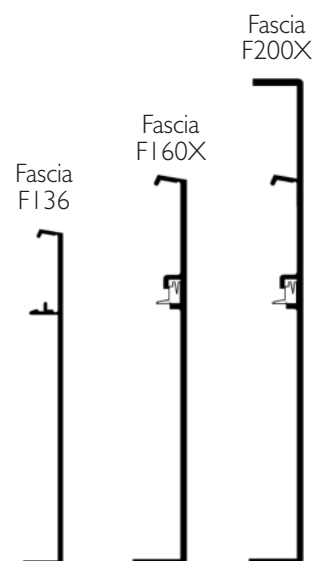


	A	B	C	D	E
<b>H25</b>	600	400	70	Ø25	Ø11
<b>H30</b>	600	400	75	Ø30	Ø11
<b>H20</b>	700	540	55	Ø20	Ø14
<b>H30</b>	700	500	65	Ø30	Ø14

## Fascias - satin anodised finish

Code

Husky glass fascia	1500mm	<b>F136/1500</b>
	1800mm	<b>F136/1800</b>
	2000mm	<b>F136/2000</b>
	2500mm	<b>F136/2500</b>
	3000mm	<b>F136/3000</b>
Husky endcap pack		<b>F136/ECP</b>
Pacer soffit fixed anodised fascia	2000mm	<b>F160X/2000</b>
	2500mm	<b>F160X/2500</b>
	3000mm	<b>F160X/3000</b>
	3500mm	<b>F160X/3500</b>
	4000mm	<b>F160X/4000</b>
Pacer F160 endcap pack		<b>F160ECP</b>
Pacer face fixed anodised fascia	2000mm	<b>F200X/2000</b>
	2500mm	<b>F200X/2500</b>
	3000mm	<b>F200X/3000</b>
	3500mm	<b>F200X/3500</b>
	4000mm	<b>F200X/4000</b>
Pacer F200 endcap pack		<b>F200ECP</b>







# HENDERSON

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## Stainless Steel Sliding Door Hardware

HENDERSON

*Design in Motion*

December 2012

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3	<b>TRACK, GUIDE CHANNEL, GUIDES</b>
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5	<b>STAINLESS STEEL BRACKETS</b>
6	<b>STAINLESS STEEL HANGERS</b>
7	<b>280/SS STAINLESS STEEL HARDWARE</b>
8	<b>290/SS STAINLESS STEEL HARDWARE</b>
9	<b>290/SS STAINLESS STEEL HARDWARE</b>
10	<b>301/SS STAINLESS STEEL HARDWARE</b>
11	<b>301/SS STAINLESS STEEL HARDWARE</b>

PC Henderson has long been acknowledged as the world leader in the design and manufacture of sliding and folding door hardware systems for residential, commercial and industrial applications.

Established in 1921, PC Henderson is based in Bowburn in North East England and has subsidiaries in Holland and Ireland. The company has a long established sales and distribution network in over 70 countries supported by Henderson's fully trained UK based technical sales team.



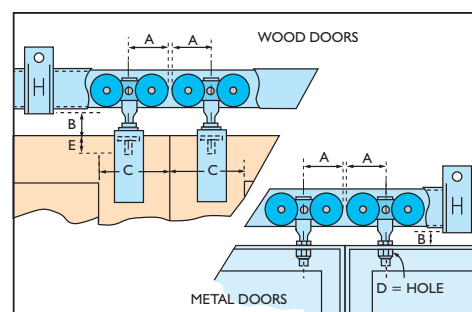
The company is committed to quality and is registered to BS EN ISO 9001 Quality Systems and Environmental Management Systems ISO 14001.

As part of this commitment this brochure has been printed on carbon neutral paper in line with the FSC which promotes responsible management of the world's forests. This accreditation guarantees that only the amount of wood which the forest can regenerate naturally is cut down with minimal impact on the environment, wildlife and the indigenous people who reside there.

Since 1921 Henderson has been developing Sliding Gear Systems to enable almost any object to slide. Throughout the world Henderson gear is used for a wide variety of applications ranging from domestic wardrobes to 8 tonne aircraft hanger doors.

For areas exposed to extreme levels of corrosive elements or where a high level of hygiene is essential, Henderson has developed a stainless steel range. Manufactured from high quality stainless steel and incorporating the latest polymers, this gear offers a high level of performance and corrosion resistance.

The Henderson Stainless Steel range can be used for an array of applications including chemical factories, oil rigs, abattoirs, cold storage, food processing plants and areas exposed to salt water. Whatever the conditions, Henderson Stainless Steel Gear will perform.



- A = Distance from the centre of the hanger to wheel
- B = Vertical adjustment distance
- C = Minimum door stile width
- D = Diameter of holes (Steel doors)
- E = Hole depth for pendant bolt

Wood Doors	Stainless track	280	290	301
	Hangers	284/N	53	53
A		29.5	43.5	67.5
B	Min.	14	22	32
	Max.	24	28	70
C		-	115	115
E		20	22	60

Metal Doors	Stainless track	280	290	301
	Hangers	285/N	56	56
A		29.5	43.5	67.5
B	Min.	6	10	20
	Max.	24	25	63
D		8.5	10.5	17

# 280/SS, 290/SS, 301/SS

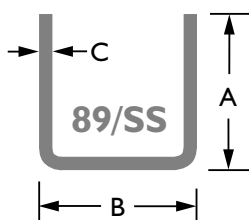
## TRACK, GUIDE CHANNEL, GUIDES

Track	Dimensions mm			Capacities for straight sliding doors		
	C	A	B	Max. Door weight	Max. Door height	Door thickness
280/SS	1	28.5	31.7	50/100kg	2400	20 to 50
290/SS	1.5	45	39	150kg	3000	35 to 48
301/SS	2.5	68	56	270kg	3600	43 to 57

Material: All track and channel in grade 316L (A4) stainless steel

Supply lengths: 2000mm and 3000mm

Channel	Dimensions mm		
	C	A	B
89/SS	1.5	20	20.5

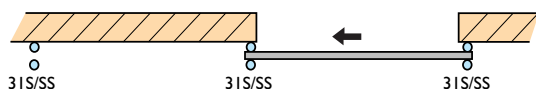
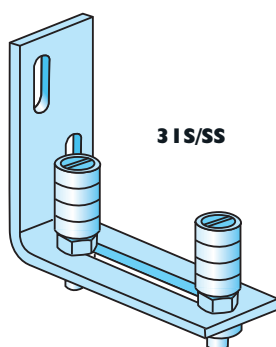


Guides and guide channels are essential for stability, safety and functioning of the system

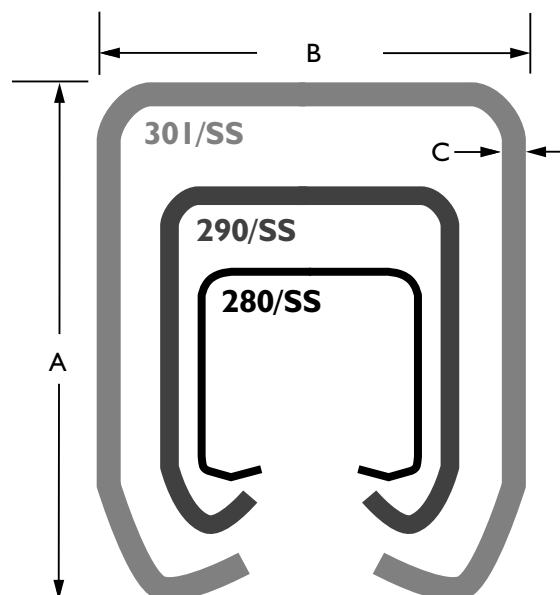
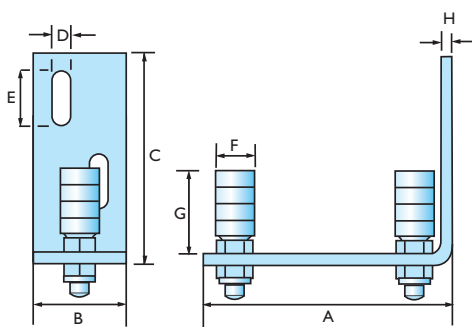
### Guide 31S/SS

Grade 316(A4) stainless steel angle with horizontal adjustable nylon guiding wheels on grade 304(A2) stainless steel bolts.

Guide 31S/SS gives unhindered access and is suitable for applications where dirt might enter the guide channel and hinder sliding.



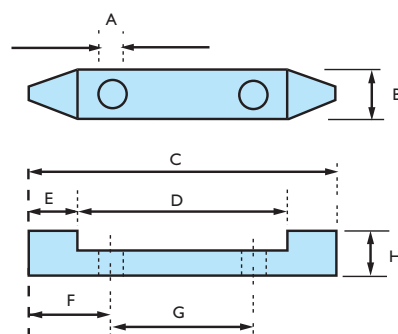
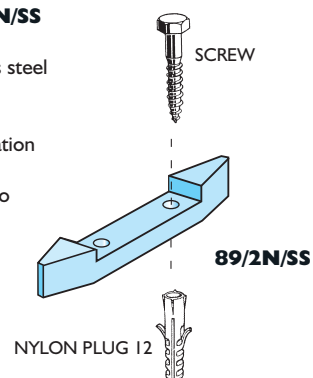
Guide	Dimensions mm							
	A	B	C	D	E	F	G	H
31S/SS	135	50	115	11	25	22	60	4
89/2N/SS	9	16	150	80	35	48	54	25



### Torpedo guide 89/2N/SS screw-in type

Nylon guide with stainless steel fixings.

Torpedo guide in combination with 89/SS guide channel rebated in door or fixed to underside of door.





# STAINLESS STEEL BRACKETS

## SOFFIT/FACE FIXED

I/SS	Dimensions mm					
	A	B	C	D	E	Bolt
28I/SS	20	7	28	40	-	M5
I/290/SS	86	20	50	42	25	M8
I/301/SS	110	27	66	66	33	M10

IX/SS	Dimensions mm					
	A	B	C	D	E	Bolt
IX/290/SS	86	20	50	100	25	M8
IX/301/SS	110	27	66	113	33	M10

3/SS	Dimensions mm					
	A	B	C	D	E	Bolt
3/290/SS	76	-	88	40	65	M8
3/301/SS	99	-	136	60	106	M10

3X/SS	Dimensions mm						
	A	B	C	D	E	F	Bolt
3X/290/SS	76	-	88	40	65	-	M8
3X/301/SS	99	-	136	60	106	-	M10

### Brackets and centre-to-centre distance

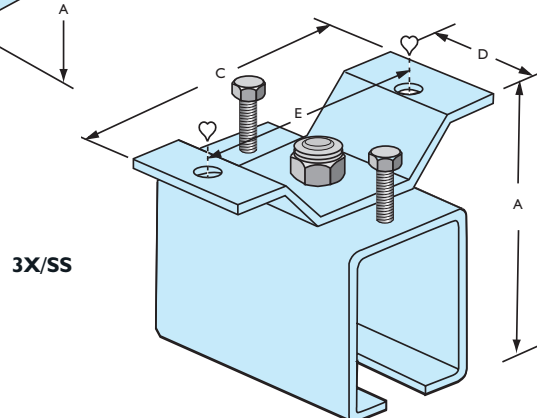
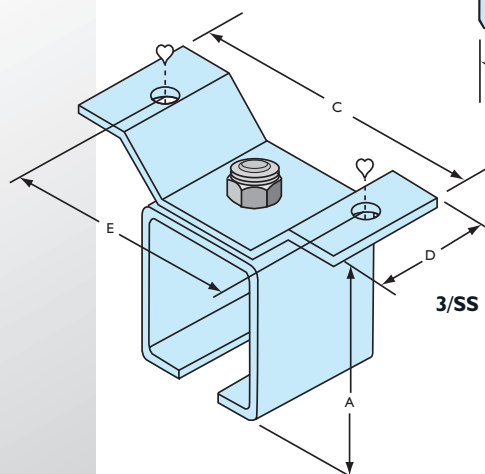
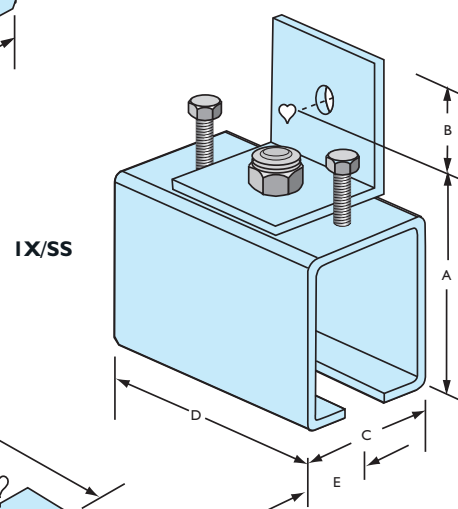
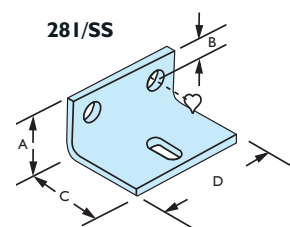
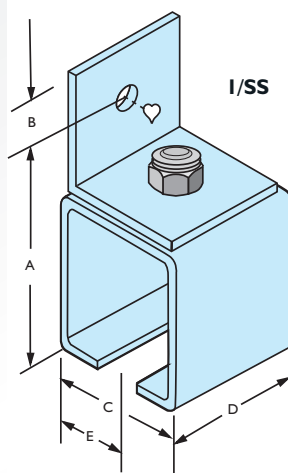
The centre-to-centre distance of the brackets can vary depending on track length. Recommended spacing is 600mm and in case of maximum load 500mm.

Joining brackets are required at each track joint, the letter 'X' denotes the joining bracket.

It is recommended should stainless steel brackets or track be fitted directly to a material which is not of stainless steel that a packing be placed between the two surfaces to avoid possible contact corrosion.

All brackets are made in grade 316(A4) stainless steel, all nuts and bolts in grade 304(A2) stainless steel.

**For fixing of all stainless steel sliding door hardware stainless steel fixings must be used.**



# STAINLESS STEEL BRACKETS

## SOFFIT FIXED

4/SS	Dimensions mm					
	A	B	C	D	E	Bolt
4/290/SS	76	-	40	88	65	M8
4/301/SS	99	-	60	136	106	M10

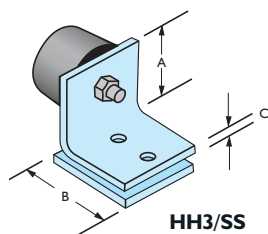
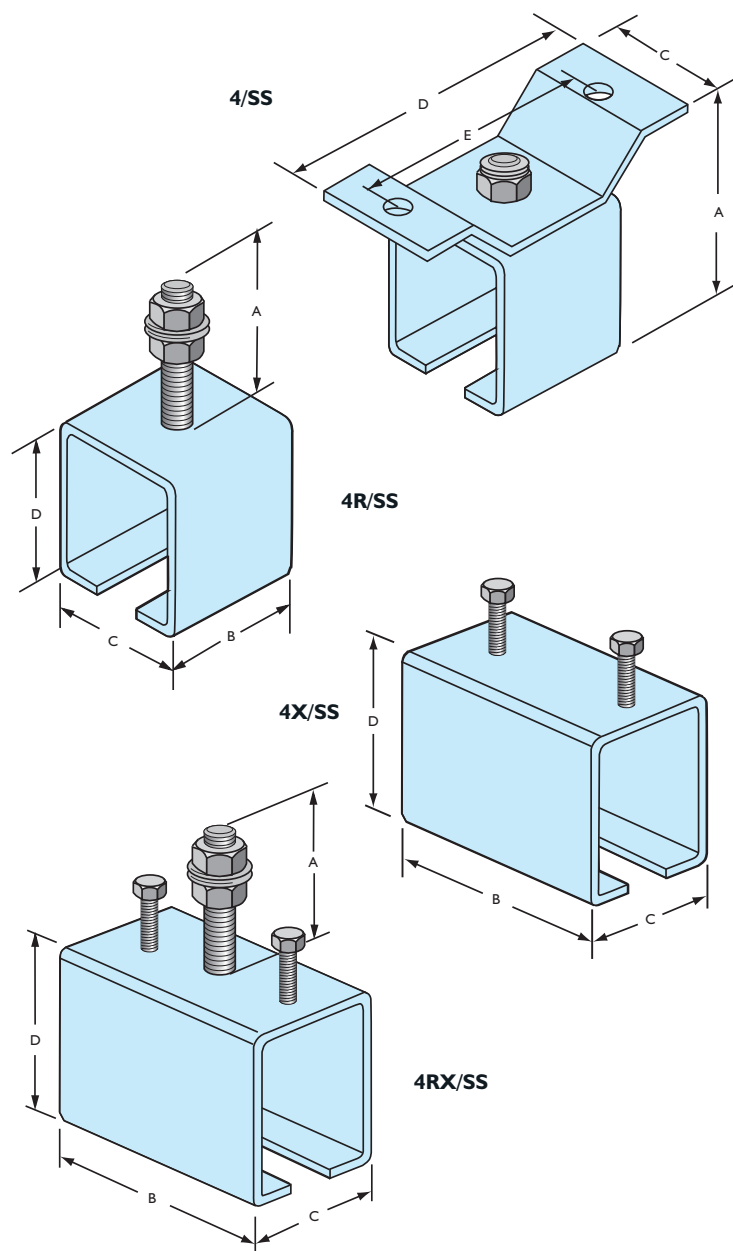
4R/SS	Dimensions mm					
	A	B	C	D		Bolt
4R/280/SS	50	50	37	39		M8
4R/290/SS	50	42	50	56		M10
4R/301/SS	65	66	66	80		M12

4X/SS	Dimensions mm					
	A	B	C	D		Bolt
4X/290/SS	-	100	50	56		M10
4X/301/SS	-	113	66	80		M12

4RX/SS	Dimensions mm					
	A	B	C	D		Bolt
4RX/280/SS	50	50	37	39		M8
4RX/290/SS	50	100	50	56		M10
4RX/301/SS	65	113	66	80		M12

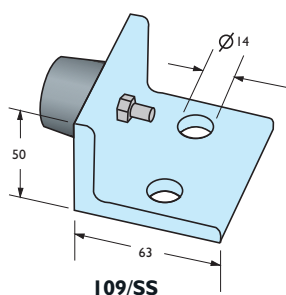
HH3/SS	Dimensions mm		
	A	B	C
HH3/290/SS	31	31	4
HH3/301/SS	40	40	5

I09/SS	Dimensions mm		
	A	B	C
I09/SS	63	50	14



### HH3/SS Stops

Stops HH3/290/SS and HH3/301/SS for fitting in 290 and 301 track. Complete with rubber stop and grade 304(A2) stainless steel hexagonal screws.



### I09/SS Doorstop

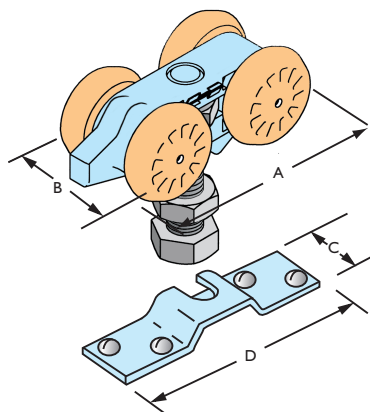
Doorstops can be fitted at ground height or on the wall of an opening. (2/3 of the door height from the ground).

# STAINLESS STEEL HANGERS

Track type	Hanger	Dimensions mm					Max. door capacity*
		A	B	C	D	Ø	
280	<b>284N/SS</b>	62.5	27.5	21	80	8	50kg
280	<b>285N/SS</b>	62.5	27.5	-	-	8	50kg
280	<b>284/SS</b>	62.5	27.5	21	80	8	100kg
280	<b>285/SS</b>	62.5	27.5	-	-	8	100kg

Hanger body and wheels of high-performance nylon. All metal components in grade 304(A2) stainless steel.

\* Maximum door capacity means the maximum weight of each door carried by two hangers.



**284N/SS** for wood doors - 50kg  
**285N/SS** for metal doors - 50kg  
**284/SS** for wood doors - 100kg  
**285/SS** for metal doors - 100kg

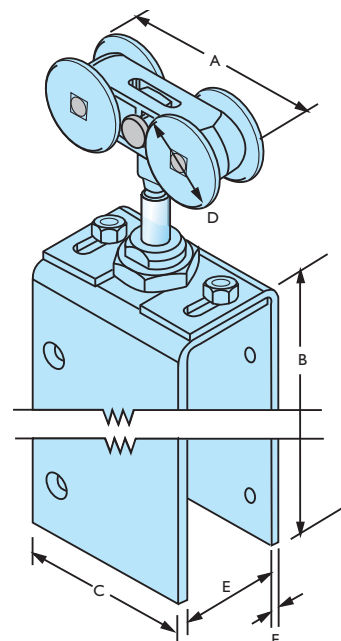
Track type	Hanger	Dimensions mm						Max. door capacity*
		A	B	C	D	E	F	
290	<b>53/290/SS</b>	87	180	77	37	43/58	3	150kg
301	<b>53/301/SS</b>	135	180	77	49.5	43/53	3	270kg

**53/290/SS** Hanger body of high-performance nylon. All other components in grade 304(A2) stainless steel.

**53/301/SS** Complete in grade 304(A2) stainless steel.

\* Maximum door capacity means the maximum weight of each door carried by two hangers.

**53/SS for wood doors**



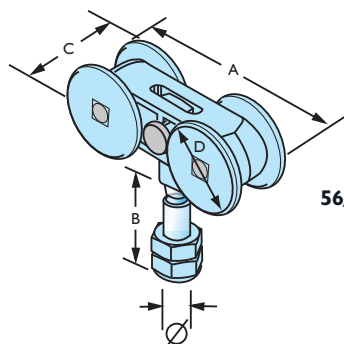
Track type	Hanger	Dimensions mm					Max. door capacity*
		A	B	C	D	Ø	
290	<b>56/290/SS</b>	87	40	30	37	M10	150kg
301	<b>56/301/SS</b>	135	78	43	49.5	M16	270kg

**56/290/SS** Hanger body of high-performance nylon. All other components in grade 304(A2) stainless steel.

**56/301/SS** Complete in grade 304(A2) stainless steel.

\* Maximum door capacity means the maximum weight of each door carried by two hangers.

**56/SS for metal doors**



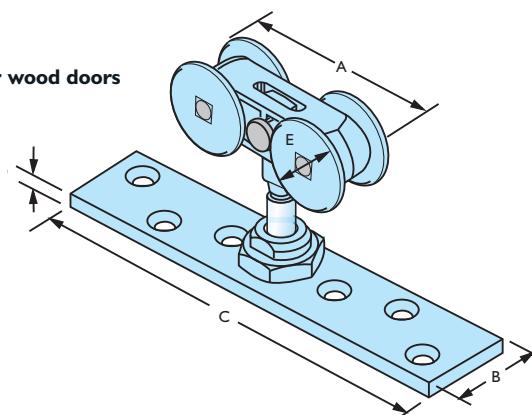
Track type	Hanger	Dimensions mm					Max. door capacity*
		A	B	C	D	E	
290	<b>57/290/SS</b>	87	39	187	3	37	150kg
301	<b>57/301/SS</b>	135	39	187	3	49.5	270kg

**57/290/SS** Hanger body of high-performance nylon. All other components in grade 304(A2) stainless steel.

**57/301/SS** Complete in grade 304(A2) stainless steel.

\* Maximum door capacity means the maximum weight of each door carried by two hangers.

**57/SS for wood doors**



# 280/SS

## STAINLESS STEEL HARDWARE FOR TOP-HUNG WOOD OR METAL STRAIGHT SLIDING DOORS

### CAPACITY

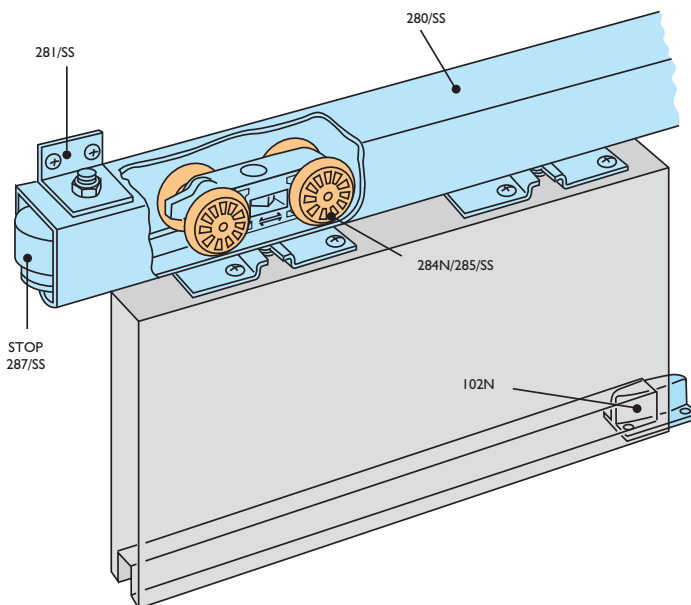
Max. door weight:	50kg or 100kg
Max. door height:	2400mm
Door thickness:	20-50mm

### APPLICATIONS

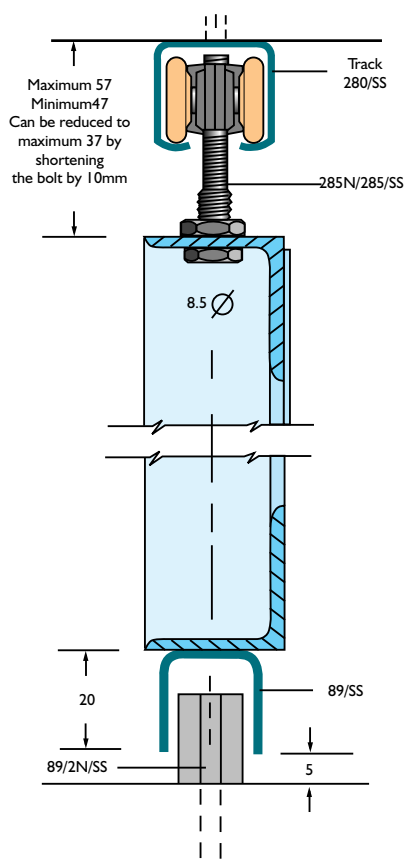
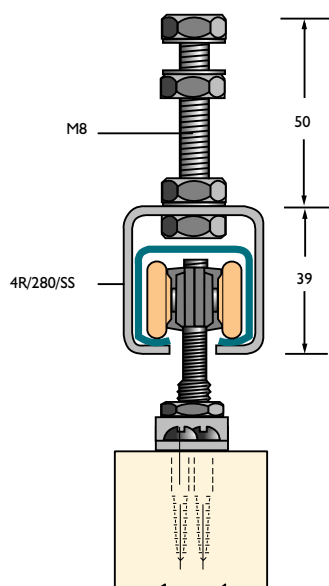
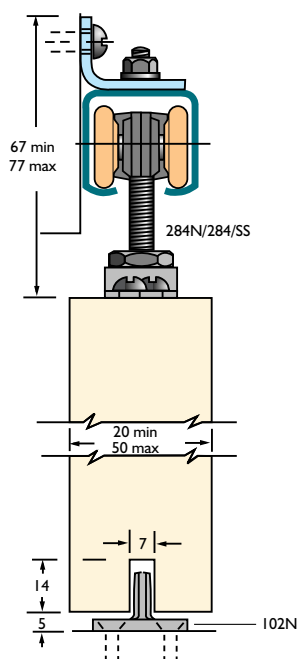
For sliding doors or gates in abattoirs, oil rigs, boats, chemical plants.

### TECHNICAL INFORMATION

280/SS Track:	Grade 316L(A4) stainless steel provided with 5mm punched holes for direct soffit fixing.
Hangers:	284N/SS and 285N/SS nylon body, nylon wheels, non bearing, for door weight of up to 50kg. 284/SS and 285/SS nylon body, nylon wheels, stainless steel bearings and axles, for door weight of up to 100kg. Fixing plates, bolts and nuts in grade 304(A2) stainless steel.
Guide:	102N Nylon guide
Guide:	89/2N/SS Nylon guide used in conjunction with stainless steel channel 89/SS.
Guide channel:	89/SS Grade 316L(A4) stainless steel.
Face bracket:	281/SS face fixed in grade 316L(A4) stainless steel.
Face bracket:	4R/280/SS soffit fixed in grade 316L(A4) stainless steel.
Stop:	287/SS rubber stop with stainless steel plate and bolt.

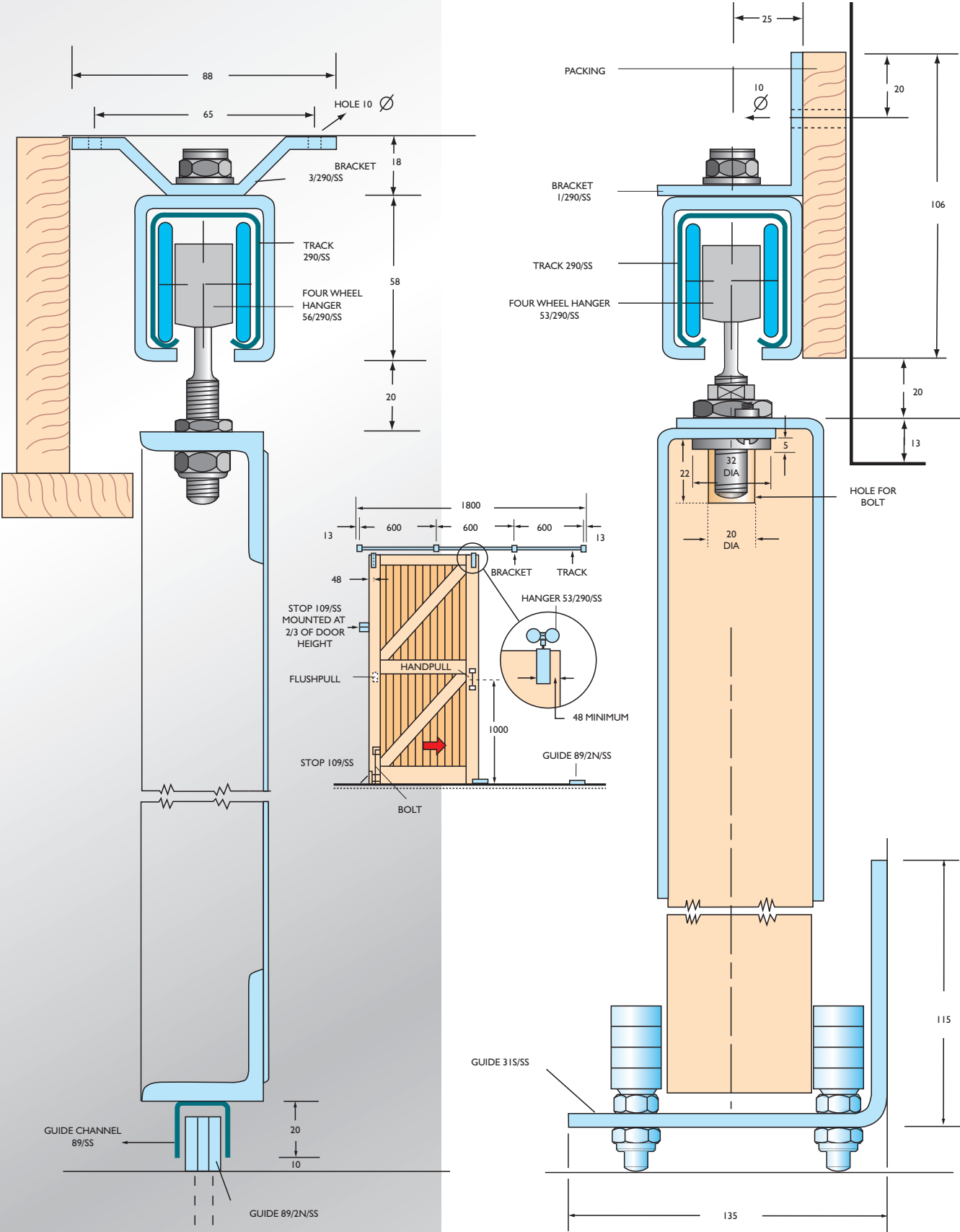


\* Track, brackets and hangers in stainless steel cannot be used with the standard Henderson non-stainless 280 range.



# 290/SS

## STAINLESS STEEL HARDWARE FOR STRAIGHT SLIDING DOORS





# 290/SS

## STAINLESS STEEL HARDWARE FOR TOP-HUNG WOOD OR METAL STRAIGHT SLIDING DOORS

### CAPACITY

Max. door weight:	150kg
Max. door height:	3000mm
Door thickness:	35-48mm

### APPLICATIONS

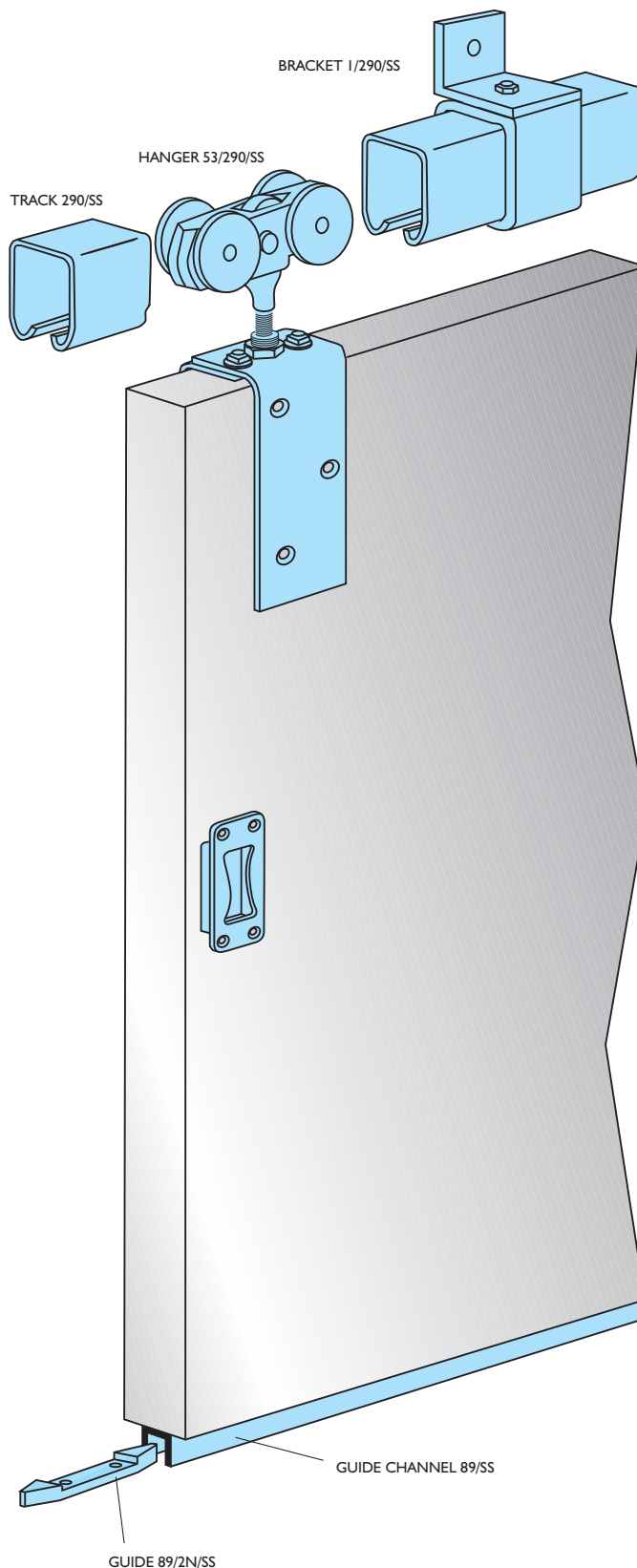
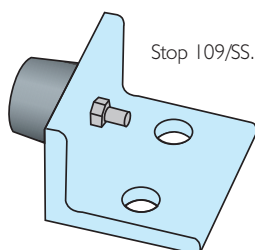
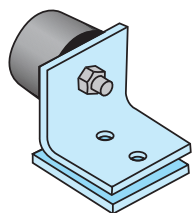
For lightweight doors in abattoirs, boats, oil rigs, food industry, chemical plants etc.

### DOOR TYPES

Timber doors, either solid or glazed, for industrial use require a strong, solid frame. Metal doors can be of angle or box section.

### TECHNICAL INFORMATION

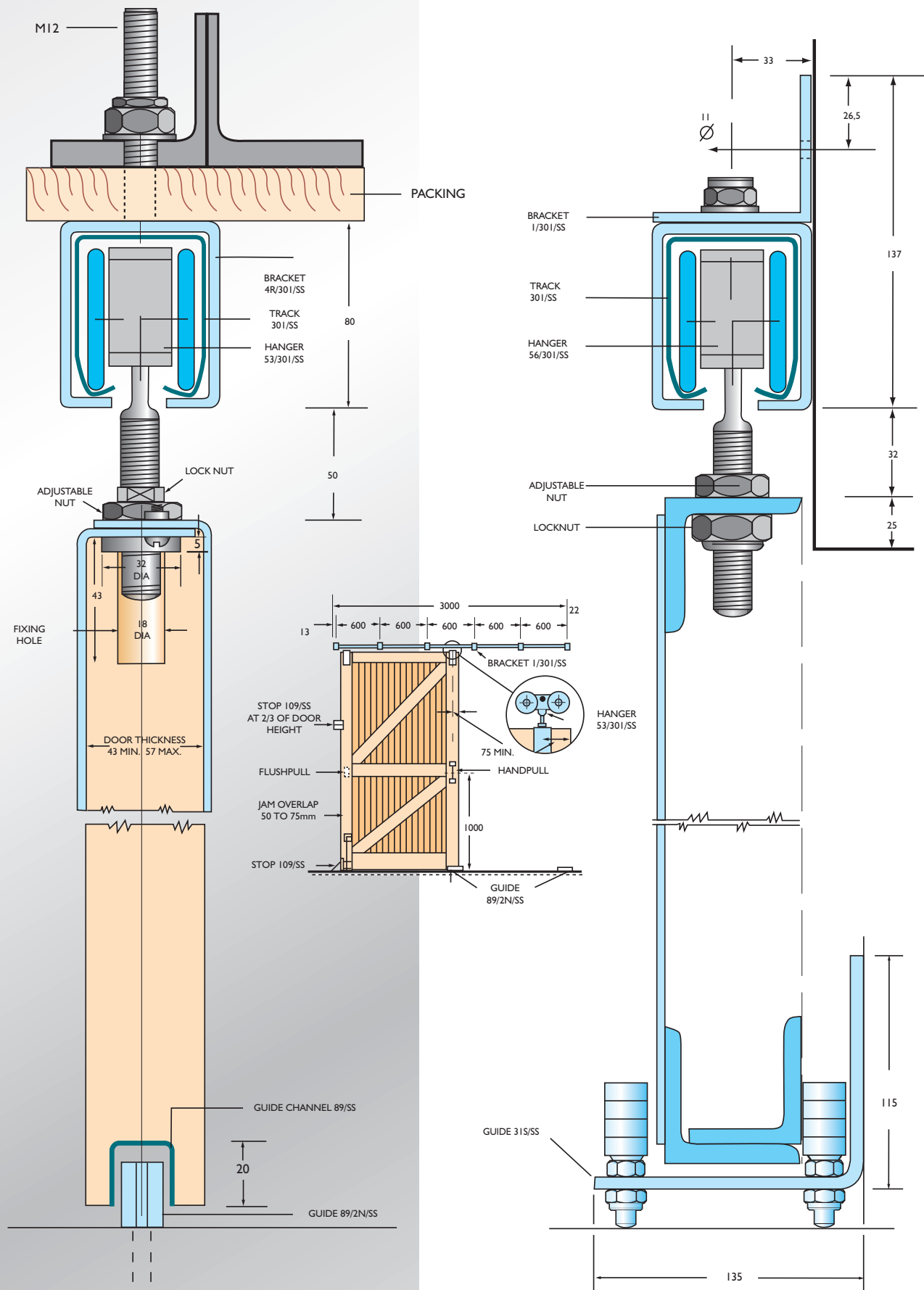
Track:	290/SS made from 1.5mm thick grade 316L (A4) stainless steel, available in 2000mm and 3000mm lengths.
Brackets:	1/290/SS in grade 316L (A4) stainless steel for face-fixing or 3/290/SS for soffit mounting. The centre-to-centre distance of the brackets can vary depending on track length. Recommended spacing is 600mm and in case of maximum load 500mm.
Hangers and guides:	Hangers 53/290/SS, 57/290/SS and guides 89/2N/SS and 31S/SS are for timber doors. Hangers 56/290/SS with guides 89/2N/SS and 31S/SS are for metal doors. Standard hangers are supplied with a nylon body and grade 304 (A2) stainless steel wheels.
Accessories:	Trackstop HH3/290/SS.



\* Track, brackets and hangers in stainless steel cannot be used with the standard Henderson non-stainless 290 range.

# 301/SS

## STAINLESS STEEL HARDWARE FOR STRAIGHT SLIDING DOORS



# 301/SS

## STAINLESS STEEL HARDWARE FOR TOP-HUNG WOOD OR METAL STRAIGHT SLIDING DOORS

### CAPACITY

Max. door weight: 270kg  
Max. door height: 3600mm  
Door thickness: 43-57mm

### APPLICATIONS

For heavy doors or gates in abattoirs, boats, oil rigs etc. Most straight sliding doors can be accommodated.

### DOOR TYPES

Timber doors, either solid or glazed, for industrial use require a strong, solid frame. Metal doors can be of angle or box section.

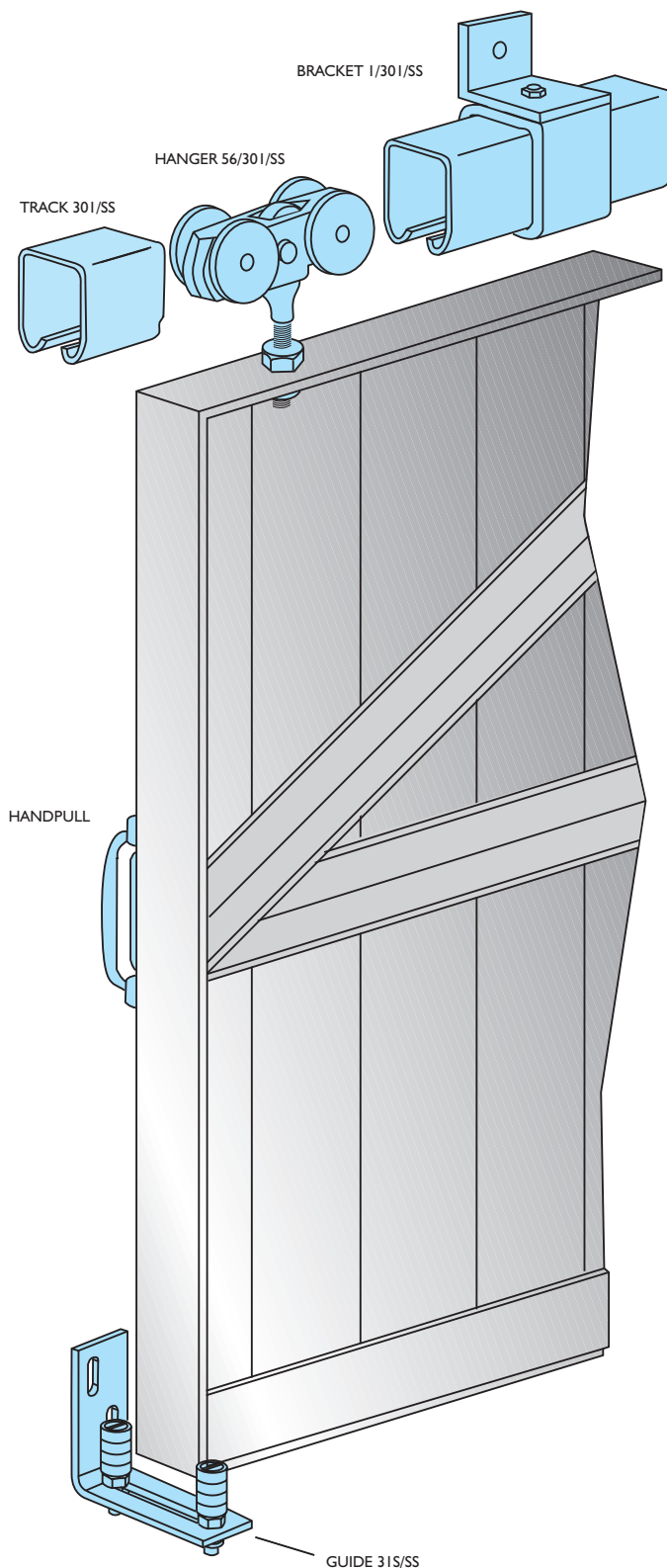
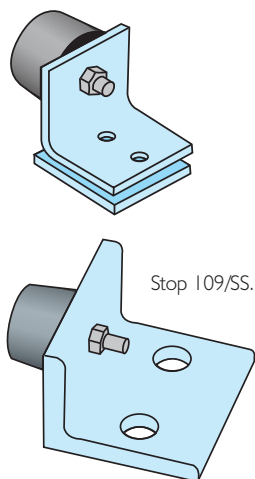
### TECHNICAL INFORMATION

**Track:** 301/SS made from 2.5mm thick grade 316L (A4) stainless steel, available in 2000mm and 3000mm lengths.

**Brackets:** 1/301/SS in grade 316L (A4) stainless steel is the most popular for face-fixing. The centre-to-centre distance of the brackets can vary depending on track length. Recommended spacing is 600mm and in case of maximum load 500mm.

**Hangers and guides:** Hangers 53/301/SS, 57/301/SS and guides 89/2N/SS and 31S/SS are for industrial timber doors. Hangers 56/301/SS with guides 89/2N/SS and 31S/SS are for metal doors. Hangers are supplied with a stainless steel body, wheels and bearings.

**Accessories:** Trackstop HH3/301/SS.



\* Track, brackets and hangers in stainless steel cannot be used with the standard Henderson non-stainless 301/301H range.

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