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HENDERSON



LEADING THE WORLD
IN **SLIDING** AND
FOLDING DOOR
HARDWARE

www.pchenderson.com

Visit our website for more details
on the complete range of
Henderson products.

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HENDERSON



an introduction to P C Henderson

P C Henderson has been long acknowledged as the world leader in the design and manufacture of Sliding Gear Systems for domestic, commercial and industrial applications.

Established in 1921, the company is a member of Cardo Door, the largest Business Area within Cardo AB, a major European engineering products group with an annual turnover in excess of £700 million.

P C 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, with head office support from Henderson's fully trained technical sales team.



The company is committed to quality and is registered to BS EN ISO 9001:2000 Quality Systems and Environmental Management System ISO 14001:1996. As part of this commitment to the environment this brochure has been printed on paper made from 75% recycled post-consumer waste.



Henderson sliding gear systems

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 industrial gear. The **EXPERT** Service is totally free and offers fast and accurate industrial gear specification.

versatility of application Henderson's Sliding Gear Systems have been developed to enable almost any object to slide. The most common application is for sliding doors. However Henderson gear is also designed for many, perhaps more unusual, non-door sliding applications. Examples of this are sliding machinery, sliding curtains, sliding scenery and sliding sports equipment.

Sliding 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.
- ▶ 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 sliding applications give flexibility from being able to move objects easily and quickly.



gear systems are available as straight sliding, round-the-corner or folding designs. Such gear versatility and variety of application gives the customer a wide freedom in design.

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

commercial uses of gear include shops, restaurants, schools, garages, churches, offices and many others where an aesthetically pleasing installation is a high priority.

industrial uses of gear encompass those where function and reliability as in a factory or agricultural environment, are of more importance than aesthetics. Common applications are doors 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, for example, industrial curtains, theatre scenery, over-head production lines and climbing rope gear.

domestic and industrial gear A domestic gear 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 gear is given later in this brochure.

technical support from Henderson Henderson's Technical Sales Department can give expert advice on all aspects of the selection, installation, maintenance and spares provisions for every type of Sliding Gear. The service is based on worldwide experience with all types of installation, and is available to customers both in the UK and overseas.

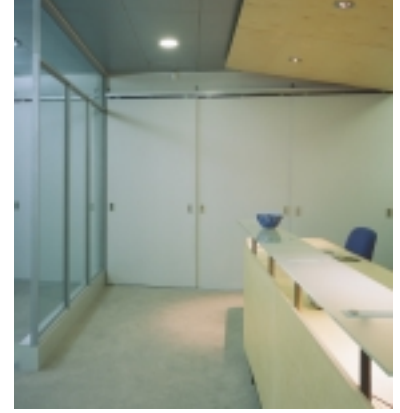
replacement parts for repair and refurbishment are available for Henderson sliding gear and your local stockist or Henderson's Technical Sales Department will happily assist in giving new life to well-used installations.

design features

- ▶ individual door weights of up to 100kg
- ▶ straight sliding or folding doors
- ▶ pre-drilled track, permitting face fixing or soffit fixing
- ▶ jump-proof tracks to prevent door coming off track
- ▶ height adjustment for precise fit
- ▶ top hanging or bottom rolling options
- ▶ nylon or steel wheel options to cater for all loadings
- ▶ fire resistant designs available
- ▶ corrosion-free aluminium or galvanised track for smooth operation



HENDERSON



domestic sliding gear

Typical applications for domestic gear are on sliding doors in domestic or light-use commercial interiors.

For example - cabinets, cupboards, wardrobes, interior doors and room dividers.

Sliding doors save room space as the door does not require a swing space to open. Using sliding doors therefore makes perfect sense where space is at a premium.

Henderson domestic sliding gear is designed and engineered with particular attention to aesthetic appearance, smooth and silent operation and ease of installation.

Domestic sliding gear is supplied in standard individual kits.



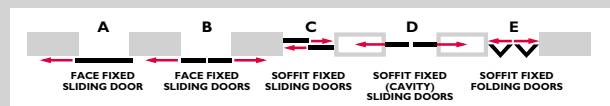
All the necessary parts and fixing instructions are included in each kit, making the selection and fitting of every installation a simple task.

choosing the right domestic sliding gear

1 Determine application. Wardrobe, Cupboard, Cabinet or Room Divider.

2 Choose Sliding Doors (single doors) or **Folding Doors** (joined pair of doors).

3 Choose fixing method. Face Fixed (onto side of wall) or Soffit Fixed (into lintel or wall cavity).



Sliding doors can be Face Fixed with single line of track which allows access to the full width of the opening - but you need wall space where the door(s) can park (A,B).

Soffit Fixed with 2 lines of track which allows doors to by-pass each other, giving a partial opening (C).

Soffit Fixed with single line of track for cavity installations (D).

Folding doors are normally Soffit Fixed where there is no wall space for the doors to slide to (E).

4 Measure width of opening and determine track length.

Face Fixed = width of opening x 2 (to allow for door parking space).

Soffit Fixed = width of opening.

= width of opening x 2 (cavity sliding doors).

5 Choose the doors and note material of door.

6 Measure width and thickness of each door.

Face Fixed note that the total width of all the doors should be slightly wider than the opening to prevent any gaps. Soffit Fixed note that the total width of all the doors must be exactly equal to the width of the opening to allow proper closing.

7 Identify how many doors you need.

8 Identify the weight of each single door.

9 Choose correct Henderson Domestic gear and kit number.

Use the table and your information from questions 1-8.

10 Fix your doors.

Pellets We recommend that you fix a pelmet the length of the track to cover the track and hangers when installed and to give a pleasing appearance to your sliding doors.

NOTE: If the door weight exceeds the Domestic Gear choice, you need Henderson Industrial gear shown on page 12 of this brochure. To double check your choice of gear against application, please read the descriptions on the next pages.

| NAME | DOOR TYPES | | | | | FIXING | | MAXIMUM DOOR WEIGHT | TRACK LENGTH mm (GEAR KIT No.) See Notes Below | MAXIMUM DOOR THICKNESS mm | NUMBER OF SINGLE DOORS EACH KIT WILL HANG | NUMBER OF LEAVES (PAIRS) EACH KIT WILL HANG |
|------------------|----------------------------|------------------|---------------------|----------------------------|---------------------|----------------------------|------|---------------------|--|---------------------------|---|---|
| | SLIDING | | | FOLDING | | SOFFIT | FACE | | | | | |
| | WARDROBE & CUPBOARD (WOOD) | CUPBOARD (GLASS) | ROOM DIVIDER (WOOD) | WARDROBE & CUPBOARD (WOOD) | ROOM DIVIDER (WOOD) | | | | | | | |
| SLIPPER | ● | | | | | ● | | 9 Kg | 1200 (SS4) 1500 (SS5) 1800 (SS6) | 30 | 2 | |
| ZENITH | | ● | | | | BOTTOM ROLLER (see note 3) | | 25 Kg | 1200 (Z12) 1500 (Z15) 1800 (Z18) | 6 | 2 | |
| LORETTO | ● | | | | | | | 23 Kg | 1200 (D4) 1500 (D5) 1800 (D6) | 45 | 2 | |
| CELLO | ● | | | | | | | 25 Kg | 1500 (C15) 1800 (C18) 2400 (C24) | 40 | 2 or 3 | |
| SENATOR | | | ● | | | | ● | ● | 30 Kg | 1500 (SEN) | 35 | 1 |
| PHANTOM | | | ● | | | ● | ● | 45 Kg | 1525 (P9) | 50 | 1 | |
| DOUBLE TOP | ● | | | | | ● | | 45 Kg | 1200 (W12) 1500 (W15) 1800 (W18) 2400 (W24) | 40 | 2 or 3 | |
| SINGLE TOP | ● | | | | | ● | ● | 45 Kg | 1200 (ST12) 1500 (ST15) 1800 (ST18) | 40 | 1 | |
| HUSKY 50 | ● | | ● | | | ● | ● | 50 Kg | 1500 (H15) 1800 (H18) 2000 (H20) 2400 (H24) | 50 | 1 | |
| MARATHON 55 | | | ● | | | ● | ● | 55 Kg | 750 (J2) 900 (J3) 1050 (J4) 1200 (J5) 1500 (J6) | 50 | 1 | |
| MARATHON 90 | | | ● | | | ● | ● | 90 Kg | 900 (S3) 1050 (S4) 1200 (S5) 1500 (S6) 1800 (S7) 2000 (S8) | 50 | 1 | |
| HUSKY 100 | ● | | ● | | | ● | ● | 100 Kg | 1500 (H100D/15) 1800 (H100D/18) 2000 (H100D/20) 2400 (H100D/24) | 50 | 1 | |
| BIFOLD | | | | ● | | ● | | 14 Kg | 1000 (B10/2) 1500 (B15/4) 2000 (B20/4) | 35 | | 2(1) 4(2) |
| HUSKY FOLDING 25 | | | | ● | ● | ● | | 25 Kg | 1200 (HF25/12) 2400 (HF25/24) | 40 | | 2(1) 4(2) |
| HUSKY FOLDING 40 | | | | ● | ● | ● | | 40 Kg | 1500 (HFD40/15) 3000 (HFD40/30) | 40 | | 2(1) 4(2) |

Notes: (1) To give 2 or more Face Fixed Sliding Doors buy 2 or more 'one door' kits and join track lengths.

(2) For Soffit Fixed Sliding Doors, kits that hang 2 doors have a double track.

(3) Zenith, Loretto and Cello run on bottom rail.

(4) If longer track length is required please consult your Henderson Stockist.

If you have any queries ring Henderson's Technical Sales Department on +44(0)191 377 7345

domestic sliding gear range



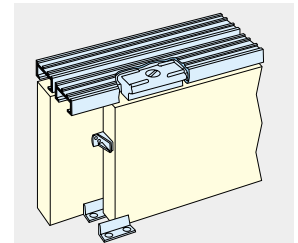
SLIPPER the cupboard twin slide

- ▶ for fitted furniture of all kinds eg kitchens, bathrooms, serving hatches of lightweight wood or chipboard
- ▶ quiet nylon slides on attractive aluminium track
- ▶ easily top fixed
- ▶ simple to remove doors for cleaning and decorating

specification

| | |
|-----------------|---------|
| max door weight | 9kg |
| max door width | 900mm |
| max door height | 1800mm |
| door thickness | 16-30mm |

| kit | opening width | no. doors |
|-----|---------------|-----------|
| SS4 | max 1200mm | — — — — |
| SS5 | max 1500mm | — — — — |
| SS6 | max 1800mm | — — — — |



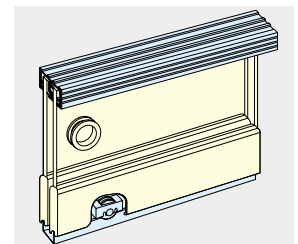
ZENITH the glass cabinet slide

- ▶ for showcases, bookcases, display panels, hatches, interior windows and glass doors
- ▶ a precision made, satin-anodised finish aluminium gear with brush-pile strips in guide rail
- ▶ silent and easy to glide

specification

| | |
|-----------------|-----------------|
| max door weight | 25kg |
| max door width | 900mm |
| max door area | 1m ² |
| door thickness | 6mm |

| kit | opening width | no. doors |
|-----|---------------|-----------|
| Z12 | max 1200mm | — — — — |
| Z15 | max 1500mm | — — — — |
| Z18 | max 1800mm | — — — — |



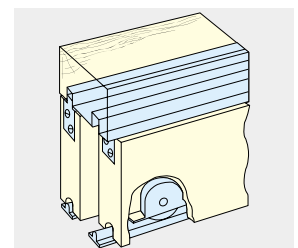
LORETTO the cupboard twin slide

- ▶ for cupboards, bookcases and other good quality cabinet work
- ▶ for timber framed, glazed or flush doors
- ▶ quiet and smooth - nylon guides and rollers, with aluminium rail

specification

| | |
|-----------------|---------|
| max door weight | 23kg |
| max door width | 900mm |
| max door height | 1800mm |
| door thickness | 20-45mm |

| kit | opening width | no. doors |
|-----|---------------|-----------|
| D4 | max 1200mm | — — — — |
| D5 | max 1500mm | — — — — |
| D6 | max 1800mm | — — — — |






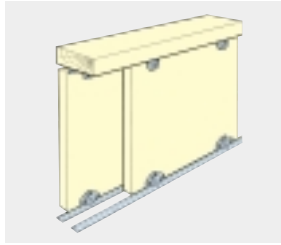
CELLO the wardrobe/cupboard twin slide

- ▶ for cupboards and wardrobes
- ▶ for timber, timber framed or composite doors
- ▶ quiet and smooth - nylon guides and rollers, with aluminium rail

specification

max door weight 25kg
 max door width 920mm
 door thickness 40mm

| kit | opening width | no. doors |
|-----|---------------|---|
| C15 | max 1500mm |  |
| C18 | max 1800mm |  |
| C24 | max 2400mm |  |



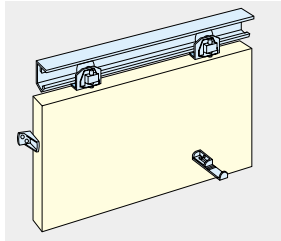
SENATOR the entry door slide

- ▶ for entrance doors and doors between rooms
- ▶ for timber, timber framed or composite doors
- ▶ silent - nylon guides and hangers on aluminium track
- ▶ floor component - guide only

specification

max door weight 30kg
 max door width 900mm
 max door height 2400mm
 door thickness 20-35mm

| kit | opening width | no. doors |
|-----|---------------|--|
| SEN | max 900mm |  |



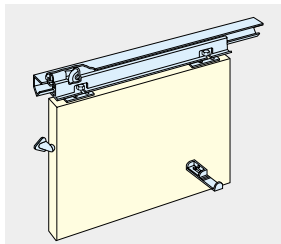
PHANTOM the silent slide

- ▶ for room dividers - for domestic, hospital and hotel use
- ▶ for timber, timber framed or composite doors
- ▶ ultra silent, frictionless, easy operation
- ▶ floor component - guide only
- ▶ simultaneous action option

specification

max door weight 45kg
 max door width 610-915mm
 max door height 2400mm
 door thickness 30-50mm

| kit | opening width | no. doors |
|-----|---------------|---|
| P9 | 610-915mm |  |






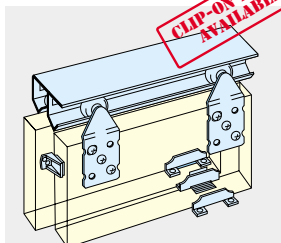
DOUBLE TOP the wardrobe/cupboard twin slide

- ▶ for heavy duty applications - wardrobe, cupboards, in hotels, schools, hospitals and offices
- ▶ for timber, timber framed or composite doors
- ▶ silent - nylon wheeled ball bearing hangers and aluminium track
- ▶ easily adjusted door height
- ▶ floor component - guide with channel as non-standard option

specification

max door weight 45kg
 max door width 900mm
 max door height 2400mm
 door thickness 16-40mm

| kit | opening width | no. doors |
|-----|---------------|---|
| W12 | max 1200mm |  |
| W15 | max 1500mm |  |
| W18 | max 1800mm |  |
| W24 | max 2400mm |  |



domestic sliding gear range



Two kits required

Two kits required



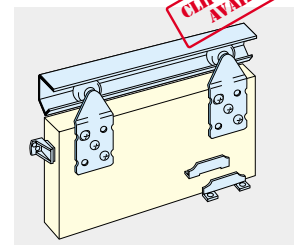
SINGLE TOP the wardrobe slide

- ▶ for timber framed or composite doors
- ▶ silent - nylon wheeled ball bearing hangers and aluminium track
- ▶ easily adjusted door height
- ▶ floor component - guide only

specification

| | |
|-----------------|---------|
| max door weight | 45kg |
| max door width | 900mm |
| max door height | 2400mm |
| door thickness | 16-40mm |

| kit | opening width | no. doors |
|------|---------------|-----------|
| ST12 | max 600mm | — |
| ST15 | max 750mm | — |
| ST18 | max 900mm | — |



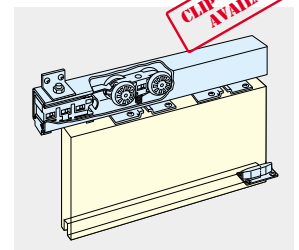
HUSKY 50 the wardrobe and room divider slide

- ▶ for timber, timber framed, composite or metal doors
- ▶ for medium weight doors
- ▶ quiet operation - galvanised steel track with nylon rollers
- ▶ floor component - guide only

specification

| | |
|-----------------|---------|
| max door weight | 50kg |
| max door width | 1250mm |
| max door height | 2400mm |
| door thickness | 20-50mm |

| kit | opening width | no. doors |
|--------|---------------|-----------|
| H50/15 | max 800mm | — |
| H50/18 | max 950mm | — |
| H50/20 | max 1050mm | — |
| H50/24 | max 1250mm | — |



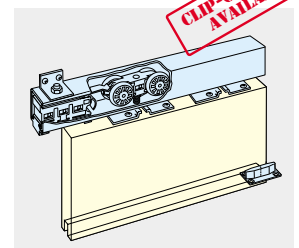
HUSKY 100 the room divider slide

- ▶ for heavy weight room dividers
- ▶ for timber, timber framed, composite or metal doors
- ▶ easily adjustable door height
- ▶ end clip stop to hold door in open position
- ▶ floor component - guide with channel as non-standard option

specification

| | |
|-----------------|---------|
| max door weight | 100kg |
| max door width | 1250mm |
| max door height | 2400mm |
| door thickness | 20-50mm |

| kit | opening width | no. doors |
|---------|---------------|-----------|
| H100/15 | max 800mm | — |
| H100/18 | max 950mm | — |
| H100/20 | max 1050mm | — |
| H100/24 | max 1250mm | — |





FASCIA domestic clip-on aluminium fascia

- ▶ for use with Single Top, Double Top, Husky 50 and Husky 100 kits
- ▶ easy to install clip-on fascia
- ▶ made from anodised aluminium

specification

max. door thickness

Single/Double Top F134 16-34mm

F138 16-18mm

Husky 50/100

F134 20-40mm

F138 20-28mm

kit

F134/15

max 800mm

F134/18

max 950mm

F134/20

max 1050mm

F134/24

max 1250mm

opening width

F138/15

max 800mm

F138/18

max 950mm

F138/20

max 1050mm

F138/24

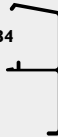
max 1250mm



F138



F134



MARATHON 55 the heavy duty slide

- ▶ for heavy-duty domestic and light commercial applications, doors, partitions
- ▶ for timber, timber framed or composite doors
- ▶ easily adjusted door height
- ▶ can be used externally if gear is adequately protected against the weather
- ▶ simultaneous action option

specification

max door weight

55kg

max door width

1500mm

max door height

3000mm

door thickness

32-50mm

kit door width

no. doors

J2 400-750mm

—

J3 750-900mm

—

J4 900-1050mm

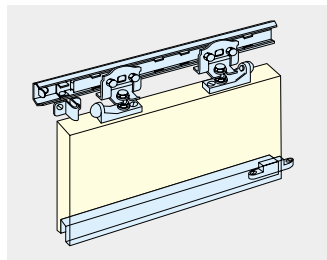
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J5 1050-1200mm

—

J6 1200-1500mm

—



MARATHON 90 the heavy duty slide

- ▶ for heavy-duty domestic and light commercial applications, doors, partitions
- ▶ for timber, timber framed or composite doors
- ▶ easily adjusted door height
- ▶ can be used externally if gear is adequately protected against the weather
- ▶ simultaneous action option
- ▶ fire door kit option available

specification

max door weight

90kg

max door width

1500mm

max door height

3000mm

door thickness

32-50mm

kit door width

no. doors

S3 750-900mm

—

S4 900-1050mm

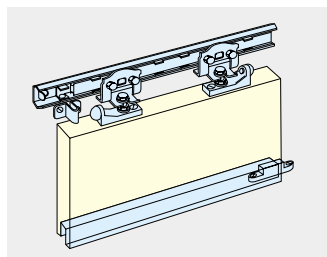
—

S5 1050-1200mm

—

S6 1200-1500mm

—



Two kits required

Additional pivots required





Additional pivots required

domestic sliding gear range

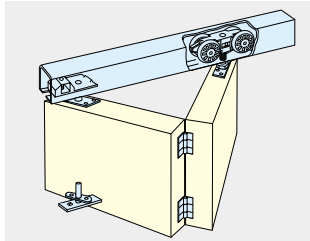
HUSKY FOLDING 25 the folding wardrobe slide

- ▶ for timber, timber framed or composite doors
- ▶ for light residential folding partitions
- ▶ neatly stacking at one or both sides
- ▶ concealed fixing
- ▶ floor component - pivot only

specification

max leaf weight 25kg
 max leaf width 600mm
 max door height 2400mm
 leaf thickness 20-40mm

| | | |
|---------|---------------|------------|
| kit | opening width | no. leaves |
| HF25/12 | max 1200mm | |
| HF25/24 | max 2400mm | |



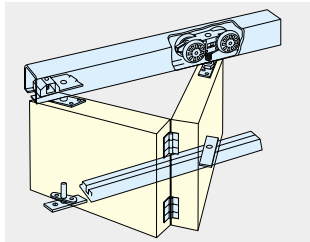
HUSKY FOLDING 40 the folding room divider

- ▶ for timber, timber framed or composite doors
- ▶ for medium weight residential folding partitions
- ▶ neatly stacking at one or both sides
- ▶ concealed fixing
- ▶ floor components - channel and pivots

specification

max leaf weight 40kg
 max leaf width 750mm
 max door height 2400mm
 leaf thickness 20-40mm

| | | |
|---------|---------------|------------|
| kit | opening width | no. leaves |
| HF40/15 | max 1500mm | |
| HF40/30 | max 3000mm | |



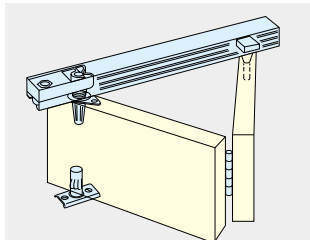
BIFOLD the folding cupboard slide

- ▶ for timber, timber framed or composite doors
- ▶ stable and smooth running
- ▶ suitable for jambless openings
- ▶ silent and easy to fix - nylon spring-loaded guides with attractive aluminium top track
- ▶ leaves fold back completely

specification

max leaf weight 14kg
 max leaf width 530mm
 max door height 2400mm
 leaf thickness 20-35mm

| | | |
|-----|---------------|------------|
| kit | opening width | no. leaves |
| B10 | max 1065mm | |
| B15 | max 1525mm | |
| B20 | max 2135mm | |





HENDERSON

industrial sliding gear

Henderson industrial gear is for individual door weights of up to 8 tonnes and encompasses doors up to 20 metres in height.

Over 70 years expertise at the forefront of sliding gear production has resulted in excellent product design, combining trouble-free installation and use with the versatility to meet almost any door and non-door sliding application.

Henderson industrial gear is suitable for interior and exterior applications, in both commercial and heavy industrial applications.

Commercial door applications typically include shops, restaurants, schools, garages, churches, offices and other applications where an aesthetically pleasing installation is required. Gear is also available for shop fronts and patios using aluminium framed glazed panels.

Industrial door applications include factories and warehouses where functionality and ability to withstand wear and tear is of higher priority than aesthetics. A wide range of door weights and heights can be accommodated.

Agricultural applications include farm doors, barns and gates.

Non-door applications include overhead systems - transporting objects on overhead track, industrial curtains, theatre scenery and climbing rope gear.

Replacement Parts for repair and refurbishment are available through Henderson.



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 the Henderson Technical Sales Department using any of the following:

-  Tel: +44 (0) 191 377 7345
-  Fax: +44 (0) 191 377 3116
-  Website: www.pchenderson.com
-  e-mail: sales@pchenderson.com
-  Post: Henderson Technical Sales Dept.,
Durham Road, Bowburn,
Co. Durham, DH6 5NG
England

Based on the answers you give to a series of questions (opening size, door size and weight etc.) we will 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
- ▶ fixing 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!



design options Industrial gear gives three main design options for doors with the additional option of doors being top hung or on bottom rollers.

Design options include:

- ▶ Straight Sliding - requiring wall space where the door can park.
- ▶ Round-the-Corner - utilising a second wall area usually at 90° to the opening.
- ▶ Internal Folding and External Folding - where wall space is short, stacking can be at the end(s) or in the centre.



Top hung doors are recommended wherever possible, providing the building structure is capable of carrying the weight of the doors and each door does not weigh more than 2000kg. This gives maximum stability and keeps load bearing components away from possible dirt and damage. Where there are structural limitations or each door weighs more than 2000kg, the bottom roller design is used.

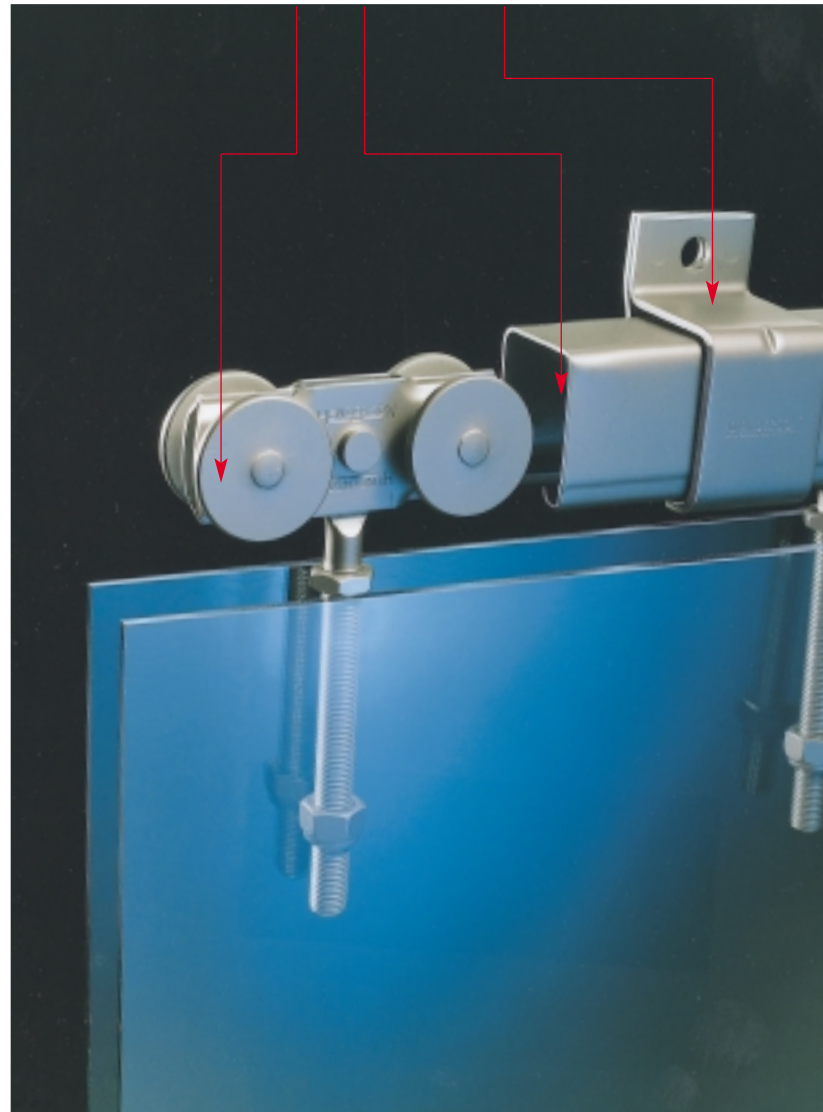


Top-Hung design keeps load bearing components away from possible dirt and damage, ensuring smooth operation and long term reliability.

Adjustable hangers permit precise fitting of door.

Galvanised or zinc plated inverted U section track prevents corrosion and ensures free running of the hanger.

Supporting open bracket along with closed end brackets and jointing brackets prevent any movement of the track.





STRAIGHT SLIDING TOP HUNG 290-307

TIMBER OR METAL DOORS

150kg to 2000kg Maximum door weights

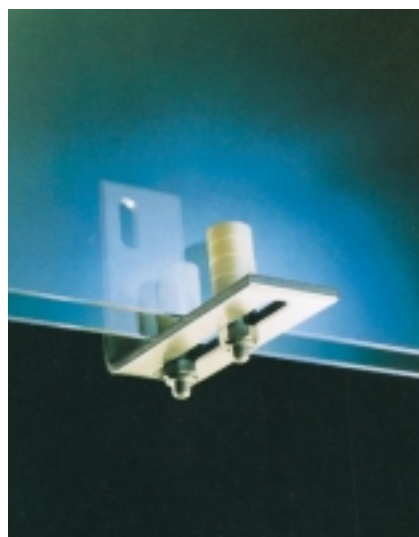
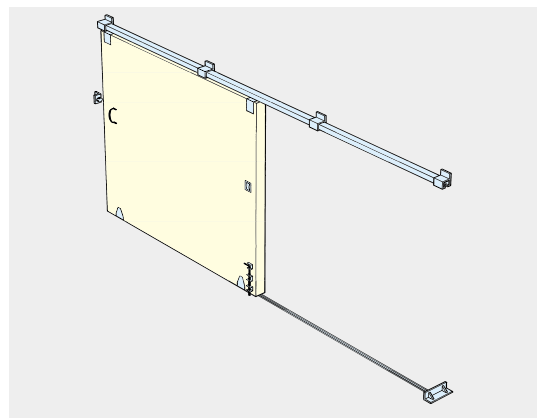
APPLICATIONS:

Farm Buildings, Workshops, Garages, Hospitals, Theatre Scenery, Disabled Access Doors

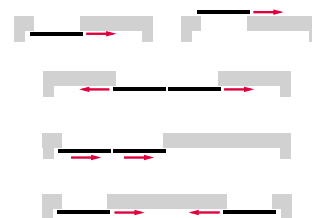
WOOD DOORS



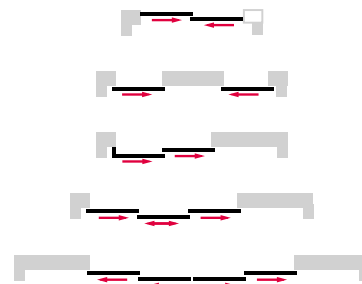
METAL DOORS



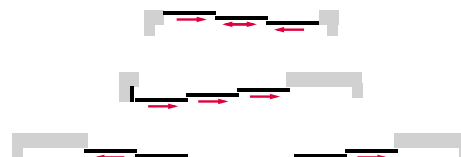
SINGLE RUN



DOUBLE RUN



TRIPLE RUN



| STRAIGHT SLIDING | 290 | 290 | 301 | 301 | 301H | 305 | 307 |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|
| Maximum Door Height (mm) | 3000 | 3000 | 3600 | 3600 | 4200 | 4800 | 6000 |
| Maximum Door Weight (kg) | 150 | 200 | 300 | 400 | 450 | 700 | 2000 |
| Door Thickness (mm) | 35-48 | 35-48 | 43-57 | 43-57 | 43-57 | 43-57 | 60-70 |



industrial sliding gear

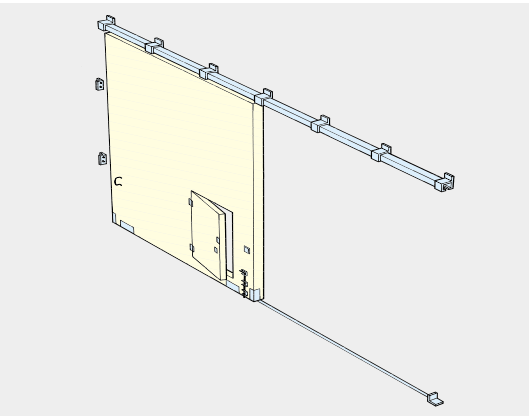
STRAIGHT SLIDING BOTTOM ROLLER

Max. Door Weight

MANSION - Timber Doors 55kg or 170kg
MAJESTIC - Timber Doors 270kg
STERLING - Timber Doors 225kg or 2000kg
STERLING - Metal Doors 225kg to 8000kg

APPLICATIONS:

Mansion, Majestic - High class joinery installations: patios, room dividers.
Sterling - Factory Gates and Workshops, Large Metal Decorative Gates or Doors, Aircraft Hangers.



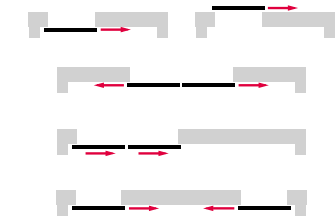
MANSION 55 & 170



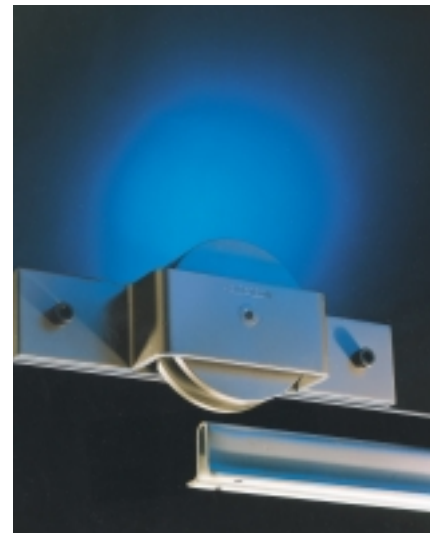
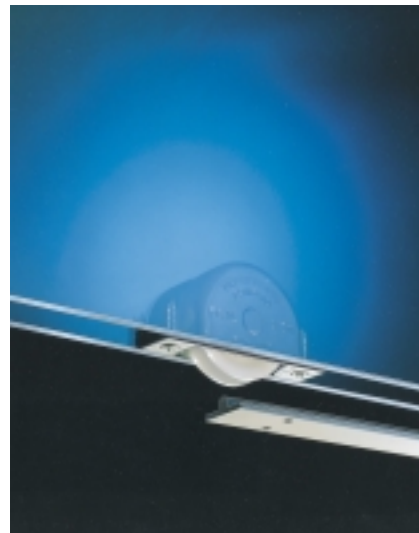
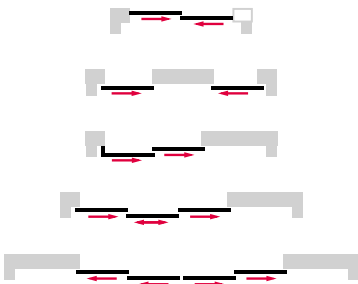
STERLING



SINGLE RUN



DOUBLE RUN



MANSION/MAJESTIC

| | Mansion 55 | Mansion 70 | Majestic |
|--------------------------|------------|------------|----------|
| | Timber | | |
| Maximum Door Height (mm) | 2600 | 2600 | 3300 |
| Maximum Door Weight (kg) | 55 | 170 | 270 |
| Door Thickness (mm) | 30-57 | 30-57 | 44-57 |

STERLING

| | 225 | 350 | 800 | 2000 | 3600 | 3600 |
|--------------------------|----------------|-------|-------|-------|--------|--------|
| | Timber & Metal | | | | Metal | |
| Maximum Door Height (mm) | 3300 | 4000 | 5200 | 7500 | 12500 | 20000 |
| Maximum Door Weight (kg) | 225 | 350 | 800 | 2000 | 3600 | 8000 |
| Door Thickness (mm) | 44-50 | 44-50 | 54-63 | 58-70 | 152min | 152min |

ROUND THE CORNER TANGENT 290-305

TOP HUNG TIMBER DOORS

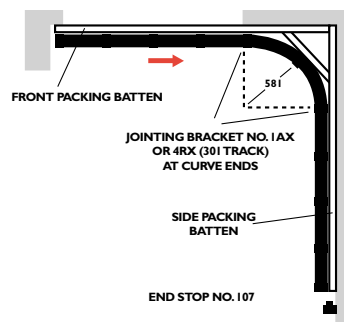
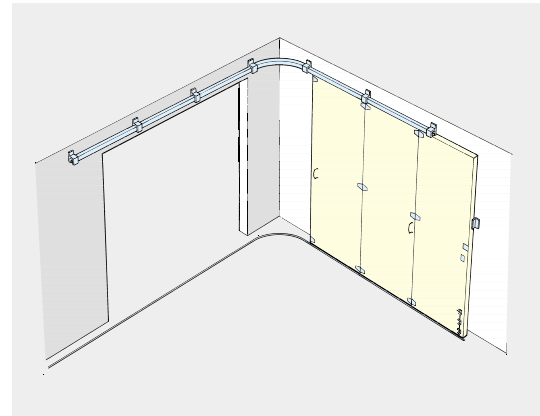
35kg to 80kg Maximum leaf weight standard or with deluxe range of fittings.

APPLICATIONS:

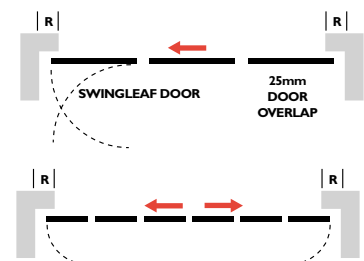
Garages (Domestic or Commercial)
Workshops, Storerooms, Sports Halls, Hangers,
Loading Bays, Shop Fronts.



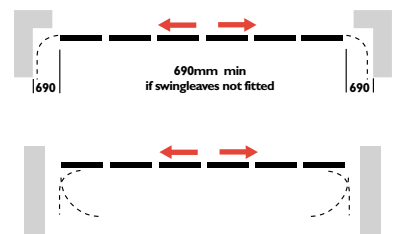
TANGENT 290



EXAMPLE PLAN DETAILS



For convenient locking R should not exceed 360mm, but 115mm - 230mm is ideal. If the swingleaf under the curve is not required R should be a minimum of 690mm to accommodate the corner curve



ROUND THE CORNER TANGENT

| | 290 | 301 | 301H | 305 |
|--------------------------|-------|-------|-------|-------|
| Maximum Leaf Height (mm) | 2400 | 3300 | 3600 | 4500 |
| Maximum Leaf Weight (kg) | 35 | 55 | 70 | 80 |
| Maximum Leaf Width (mm) | 900 | 900 | 900 | 900 |
| Leaf Thickness (mm) | 35-50 | 45-55 | 45-55 | 45-55 |



industrial sliding gear

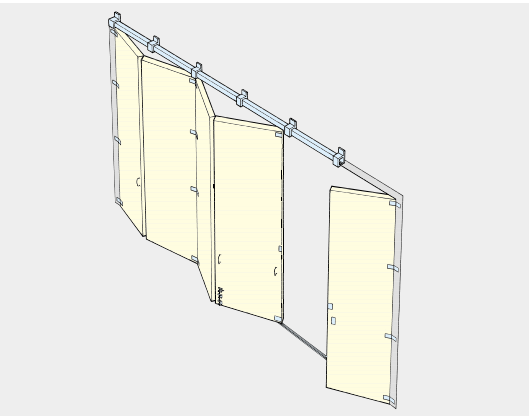
EXTERNAL FOLDING DOORS TANGENT FOLDING 290-305

TOP HUNG TIMBER OR METAL DOORS

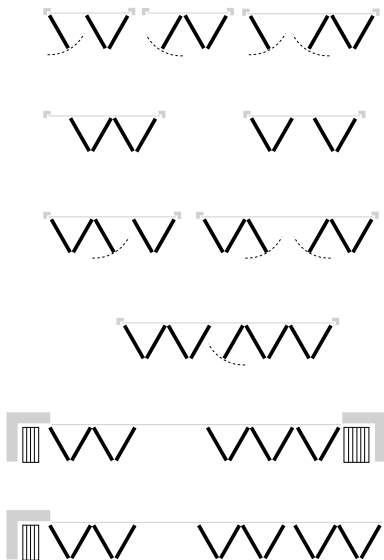
35kg to 80kg Maximum leaf weight standard or with deluxe range of fittings.

APPLICATIONS:

Garage Showrooms, Workshops, Yard Entrances.
Deluxe option for Shopfronts and patios.



EXAMPLE PLAN DETAILS



TANGENT FOLDING



TANGENT FOLDING

| | 290S | 290D | 301S | 301D | 301HS | 301HD | 305S |
|---|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|
| FINISH | Standard | Deluxe | Standard | Deluxe | Standard | Deluxe | Standard |
| Maximum Folding Leaf Height (mm) | 2400 | 2400 | 3300 | 3300 | 3600 | 3600 | 4500 |
| Maximum Folding Leaf Weight (kg) | 35 | 35 | 55 | 55 | 70 | 70 | 80 |
| Maximum Folding Leaf Width (mm) | 900 | 900 | 900 | 900 | 900 | 900 | 900 |
| Leaf Thickness (mm) | 35-50 | 35-50 | 45-55 | 45-55 | 45-55 | 45-55 | 45-55 |



INTERNAL FOLDING PARTITIONS

ENDFOLD PARTITION (Council) 290-305

Top Hung Timber Doors 35kg to 80kg max. leaf weight

CENTREFOLD PARTITION (Council) 290-305

Top Hung Timber Doors 35kg to 80kg max. leaf weight

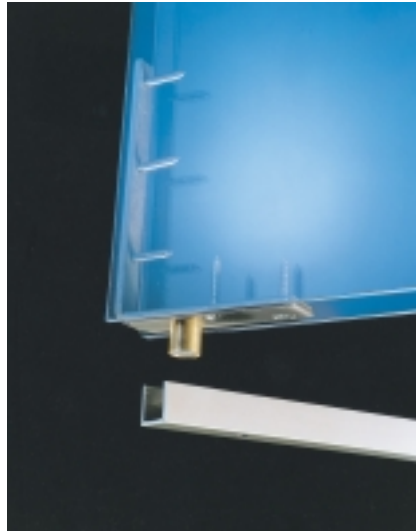
COLLEGE ENDFOLD & CENTERFOLD 70 & 140

Bottom Roller Timber Doors 70kg to 140kg max. leaf weight

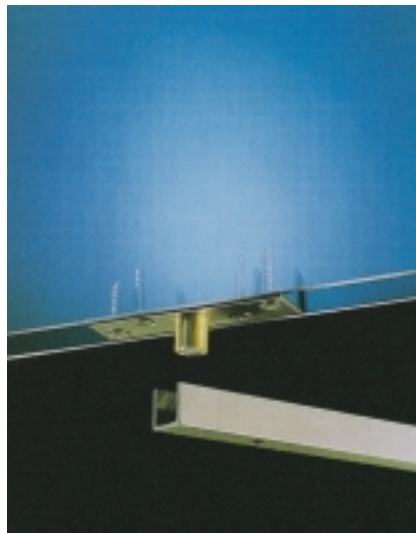
APPLICATIONS:

Partition Room Dividers for Conference Rooms, Sports Halls, Churches, Pubs, Clubs, Restaurants. Domestic, Commercial and Industrial Applications.

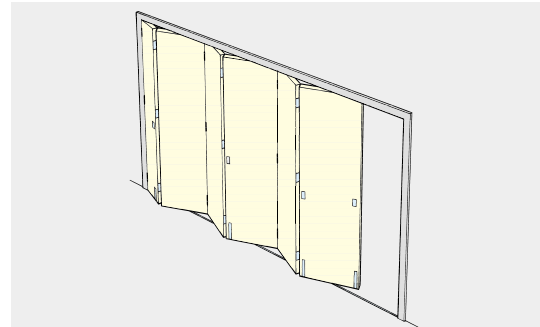
ENDFOLD 301



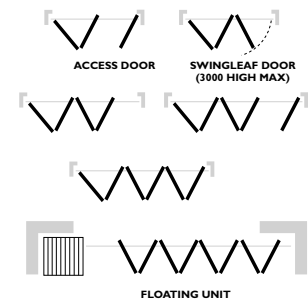
CENTREFOLD 301



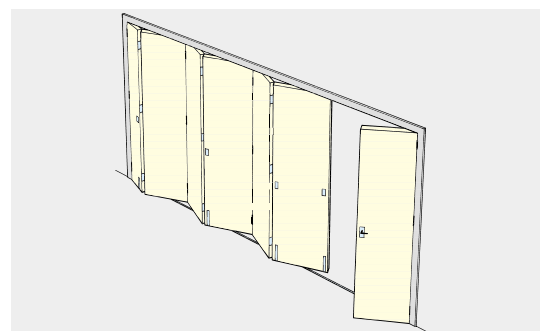
ENDFOLD PARTITION



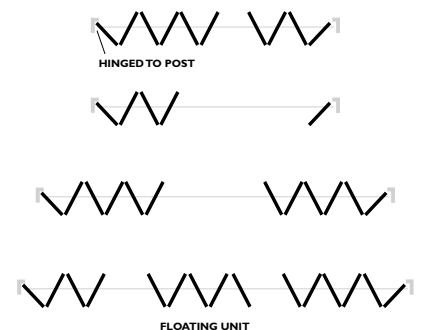
EXAMPLE PLAN DETAILS - ENDFOLD



CENTREFOLD PARTITION



EXAMPLE PLAN DETAILS - CENTREFOLD



| ENDFOLD, CENTREFOLD PARTITION | 290 | 301 | 301H | 305 | COLLEGE | 305 | 305 |
|------------------------------------|-------|-------|-------|-------|---------|-------|------|
| Maximum Leaf Height (mm) | 2700 | 3300 | 3600 | 4500 | | 3600 | 5500 |
| Maximum Leaf Weight (kg) | 35 | 55 | 70 | 80 | | 70 | 140 |
| Maximum Leaf Width (mm) Endfold | 900 | 900 | 900 | 900 | | 900 | 900 |
| Maximum Leaf Width (mm) Centrefold | 1000 | 1000 | 1000 | 1000 | | 1000 | 1000 |
| Leaf Thickness (mm) | 35-44 | 44-47 | 44-47 | 44-47 | | 44-50 | 54 |

commercial sliding gear

- 20 introduction to commercial sliding gear
- 21 straight sliding
- 22 folding
- 23 multidirectional



HENDERSON



commercial sliding gear

Henderson commercial gear is suitable for doors weighing up to 500kg.

It is ideal for applications such as shop fronts, hotels, conference centres and offices, where smooth action, high performance and aesthetics are important.

There are three models in the range - Husky Glass, Pacer and Flexirol. Between them they provide options for timber, aluminium and glass doors.

Henderson commercial gear offers three modes of operation, straight sliding, folding and multidirectional stacking systems.



All commercial gear systems use aluminium track which can be painted to match interior colours and ceilings. Husky Glass and Pacer track also have the option of clip-on aluminium fascia.

STRAIGHT SLIDING



HUSKY GLASS straight sliding

8mm and 10mm glass panels up to 75kg in weight.

APPLICATIONS

Lightweight glass applications such as office doors and small glass partitions.



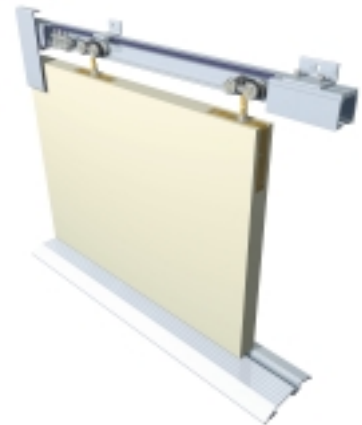
PACER straight sliding

8mm, 10mm and 12mm glass panels up to 130kg in weight.

Timber and Metal doors up to 200kg in weight.

APPLICATIONS

Accommodates both sliding and fixed door panels, making it ideal for interior dividers in offices and shops as well as modern buildings and complexes. Metal doors can be of angle or box section.



FLEXIROL straight sliding

Glass, Timber and Metal doors up to 500kg in weight.

APPLICATIONS

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





FOLDING

WEATHERFOLD folding

Top hung Weatherfold gear for end folding exterior timber doors up to 75kg in weight and 57mm thick. Designed to maximise the flexibility of a room's living space.

APPLICATIONS

Residential and Commercial timber exterior end folding doors. Specially suited for coastal environments, featuring stainless steel components with high resistance to corrosion. Folding systems can fold to one side or both and have the option of a swing door. An ideal solution for people seeking designs that allow an indoor/outdoor lifestyle.



PACER folding

Interior timber doors up to 75kg in weight. Available in centrefold and endfold configurations. Also available for exterior applications using endfold timber, glass or aluminium doors up to 65kg in weight.

APPLICATIONS

Residential and Commercial centrefolding (interior only) and endfold doors. Pacer endfold for glass doors accommodates 8mm or 10mm thick tempered glass panels. Ideal for shopfronts and room dividers where space is limited.



FLEXIROL folding

Interior timber doors up to 125kg in weight. Available in centrefold and endfold configurations. Also available for exterior applications using endfold, timber, glass or aluminium doors up to 125kg in weight.

APPLICATIONS

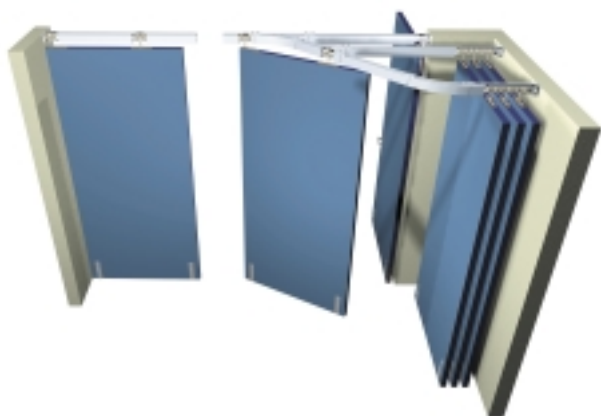
Heavy commercial centrefolding (interior only) and endfolding doors. Flexirol folding glass profiles accommodate 10mm or 12mm thick tempered or laminated glass panels. Ideal for shopfronts and room dividers using heavy or large folding doors.



MULTIDIRECTIONAL

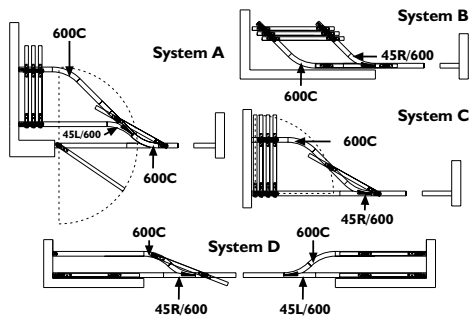
APPLICATIONS

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



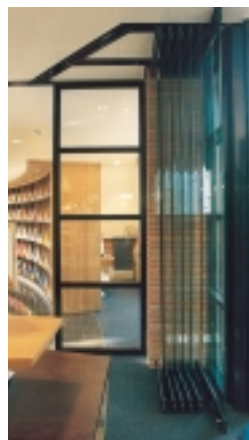
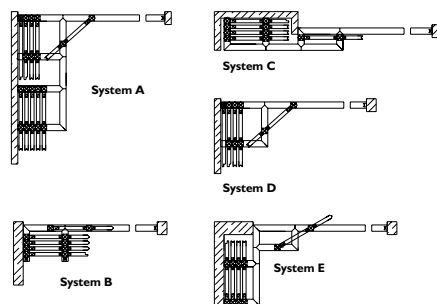
PACER multidirectional

Timber, aluminium and glass doors up to 120kg. Glass panels can be 10mm or 12mm thick tempered or laminated glass. Doors move through a 135° switch to allow the doors to be stacked clear of the opening.



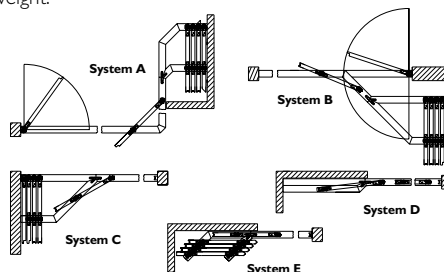
FLEXIROL 90° multidirectional

Flexirol 90° multidirectional systems carry timber, aluminium or glass doors up to 100kg in weight.



FLEXIROL 135° multidirectional

Flexirol 135° multidirectional systems carry timber, aluminium or glass doors up to 500kg in weight.



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how to obtain your Henderson
sliding and folding door hardware

We reserve the right to introduce improvements to design and changes to specification. This is not a controlled document.

For more information on the comprehensive range of Henderson Sliding and Folding door hardware, or to find details of your local Henderson stockist - wherever you may be in the world - contact us on the numbers below:

HENDERSON

A company in the Cardo Group

P.C. Henderson Limited

Durham Road, Bowburn, County Durham DH6 5NG, England
www.pchenderson.com

P.C. Henderson (Ireland) Ltd

Weat Link Industrial Estate, Kylemore Road, Dublin 10, Eire
Telephone 01626 0444 Facsimile 01626 0455
www.pchenderson.ie sales@pchenderson.ie

Customer Services Department

Telephone 44 (0)191 377 7345 Facsimile 44 (0)191 377 3116
e-mail:sales@pchenderson.com

Export Department

Telephone 44 (0)191 377 0701 Facsimile 44 (0)191 377 0755
e-mail:international@pchenderson.com

