YOUR PASSION OUR COMMITMENT

Hardware Catalogue
SA Sliding Door Sales has long been acknowledged as the market leader in the design and manufacture of sliding door gear systems for domestic, commercial and industrial applications. All our systems have been manufactured to meet exceptionally high standards and are carefully designed and engineered with particular attention to aesthetic appearance as well as smooth and silent operation.

SA Sliding Door Sales’ Head Office and manufacturing plant is based in the prestigious Longmeadow Business Estate in Modderfontein, Johannesburg. Branches and agencies are also located in Durban, Cape Town, and Port Elizabeth.

Versatility of Application:
SA Sliding Door Sales’ systems have been developed to enable almost any object to slide. The most common application is for sliding doors. However, SAS gear is also developed for windows and more unusual sliding applications such as sliding machinery, sliding truck curtains, sliding scenery and sliding sports equipment, etc.

Replacement Parts for repair and refurbishment are available for SAS gear. Your local stockist or any of the branches and agencies will happily assist in giving new life to well-used installations.
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1. All prices provided in quotations and price lists Exclude VAT. This also includes any price given verbally.

2. All prices are based on current costs to ourselves and are subject to price adjustments in accordance with the fluctuating rand. SA Sliding Door Sales reserves the right to increase (or decrease) any listed prices.

3. All information provided in our price lists, brochures and catalogues are to give a general description of goods. As we are continually trying to improve our products, we reserve the right to change any product, product finish or specification given without notice.

4. Prices include packaging and road transport delivery in the following cases:
   - Free Local Deliveries (Branch Specific)
   - Rest of South Africa if the value exceeds R2500.00 (NB We use an economy rate courier service with transit times of 48/72 hours. Any overnight transport requirements are for the customer’s expense and are to be arranged with their couriers.)
   - Transport outside South African borders is for the customer’s account.

5. The risk of the goods shall pass to the buyer in the Branch Specific area when the goods are delivered and signed for. Outside the Branch Specific area when the goods are loaded onto the courier vehicle for dispatch. If insurance is required, it is the responsibility of the customer to notify SA Sliding Door Sales and is for their account.

6. No queries pertaining to goods being short / incorrectly supplied will be entertained if not queried within 48 hours of the delivery and if not checked with the driver when goods are delivered.

7. SA Sliding Door Sales will not be held liable for any delays in production / delivery if orders are placed without all the relevant information having been furnished.

8. Return of goods is by prior arrangement only, and MUST be returned at the purchaser’s expense. Any goods returned must be accompanied by a copy of the original invoice or a goods returned note containing the original invoice number. All goods returned are subject to a handling fee.

9. PLEASE NOTE: We will not accept back for credit any items that have been made specifically to your specifications.

10. All goods returned will be credited and NO cash refunds given.

11. For approved accounts, payment is due no later than 30 days from date of statement. SA Sliding Door Sales reserves the right to charge interest on overdue accounts.

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Port Elizabeth
Domestic Sliding Gear Range

choosing the correct domestic sliding gear

- **Determine application.** Cabinet, Cupboard, Wardrobe or Room divider.
- **Choose Sliding Doors.** Single Sliding, Bi-Parting or Folding Doors (joined pair of doors).
- **Choose fixing method.** Face fixed (onto side of wall) or Soffit Fixed (into lintel or wall cavity).

**Sliding doors** can be Face Fixed with a single line of track which allows access to the full width of opening - but you will 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). Refer to commercial gear. Soffit Fixed with a single line of track for cavity installations (D). Refer to commercial gear.

**Folding doors** are normally Soffit Fixed where there is no space for the doors to slide (E). Refer to commercial gear.

- **Measure width of opening and determine track length.**
  - Face Fixed = width of opening x 2 (to allow space for doors to park).
  - Soffit Fixed = width of opening x 2 (cavity sliding doors).

- **Choose the doors and note the material of the door.**
- **Identify how many doors you need.**
- **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 the doors must be exactly equal to the width of the opening to allow proper closing.
- **Identify the weight of each single door.** (table provided under technical information)
- **Choose the correct SA Sliding Door Sales Domestic gear and kit number.**
  Use the table and your information from questions 1-8.
- **Fix your doors.**
  - **Pelmets:** 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 SA Sliding Door Sales’ Commercial or Industrial gear. To double check your choice of gear against application please read the descriptions on the next pages.

### TABLE

<table>
<thead>
<tr>
<th>NAME</th>
<th>DOOR TYPES</th>
<th>FIXING</th>
<th>MAX DOOR WEIGHT</th>
<th>STANDARD OPENING WIDTHS (mm)</th>
<th>MAX DOOR THICKNESS (mm)</th>
<th>NUMBER OF LEAVES EACH KIT WILL HANG</th>
</tr>
</thead>
<tbody>
<tr>
<td>LISBON</td>
<td></td>
<td></td>
<td>23 Kg</td>
<td>900;1200;1500;1800</td>
<td>45</td>
<td>2</td>
</tr>
<tr>
<td>ZURICH 1</td>
<td></td>
<td></td>
<td>20 Kg</td>
<td>900;1200;1500;1800</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>ZURICH 2</td>
<td></td>
<td></td>
<td>25 Kg</td>
<td>1200;1500;1800</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>SALONIKA</td>
<td></td>
<td>BOTTOM ROLLING</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLTAVA</td>
<td></td>
<td></td>
<td>36 Kg</td>
<td>750-900</td>
<td>45</td>
<td>1</td>
</tr>
<tr>
<td>VALENCIA SINGLE</td>
<td></td>
<td></td>
<td>45 Kg</td>
<td>600;750;900</td>
<td>40</td>
<td>1</td>
</tr>
<tr>
<td>VALENCIA DOUBLE</td>
<td></td>
<td></td>
<td>45 Kg</td>
<td>1200;1500;1800 2100;2400</td>
<td>40</td>
<td>2</td>
</tr>
<tr>
<td>MODENA 55</td>
<td></td>
<td></td>
<td>55 Kg</td>
<td>750;900;1050;1200;1500</td>
<td>50</td>
<td>1</td>
</tr>
<tr>
<td>MODENA 90</td>
<td></td>
<td></td>
<td>90 Kg</td>
<td>900;1050;1200;1500;1800;2000</td>
<td>50</td>
<td>1</td>
</tr>
</tbody>
</table>
Domestic Sliding Gear Range

**Lisbon 23kg** the cabinet twin slider

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

<table>
<thead>
<tr>
<th>Specification</th>
<th>opening width</th>
<th>no. doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>max leaf weight 23kg</td>
<td>max 900mm</td>
<td>2</td>
</tr>
<tr>
<td>max leaf size 900x1800x45mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>kits</th>
<th>opening width</th>
<th>no. doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3</td>
<td>max 900mm</td>
<td>2</td>
</tr>
<tr>
<td>D4</td>
<td>max 1200mm</td>
<td>2</td>
</tr>
<tr>
<td>D5</td>
<td>max 1500mm</td>
<td>2</td>
</tr>
<tr>
<td>D6</td>
<td>max 1800mm</td>
<td>2</td>
</tr>
</tbody>
</table>

**Zurich 1 & 2 20kg & 25kg** the glass cabinet slide

- for show cases, bookcases, display panels, interior windows & glass doors
- precision made, natural anodised aluminium gear with woolpile strips in rail guide
- silent & easy to glide

<table>
<thead>
<tr>
<th>Specification</th>
<th>opening width</th>
<th>no. doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>max leaf weight 20kg (Zurich 1)</td>
<td>max 900mm</td>
<td>2</td>
</tr>
<tr>
<td>max leaf weight 25kg (Zurich 2)</td>
<td>max 1200mm</td>
<td>2</td>
</tr>
<tr>
<td>max leaf size 1m² width 900mm</td>
<td>max 1500mm</td>
<td>2</td>
</tr>
<tr>
<td>max leaf thickness 6mm</td>
<td>max 1800mm</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>kits</th>
<th>opening width</th>
<th>no. doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z3</td>
<td>Z09/2</td>
<td>2</td>
</tr>
<tr>
<td>Z4</td>
<td>Z12/2</td>
<td>2</td>
</tr>
<tr>
<td>Z5</td>
<td>Z15/2</td>
<td>2</td>
</tr>
<tr>
<td>Z6</td>
<td>Z18/2</td>
<td>2</td>
</tr>
</tbody>
</table>

*lock not included in kits

**Salonika 30kg** the economy room divider

- for doors between rooms
- for composite doors
- silent - nylon guides & hangers on aluminium track
- floor component - guide only

<table>
<thead>
<tr>
<th>Specification</th>
<th>opening width</th>
<th>no. doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>max leaf weight 30kg</td>
<td>750 - 900mm</td>
<td>1</td>
</tr>
<tr>
<td>max leaf size 900x2400x45mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Domestic Sliding Gear Range

**Poltava 36kg** the room divider

- for doors between rooms
- for timber, timber framed or composite doors
- silent - nylon guides & hangers on aluminium track
- floor component - guide only (poltava)
- floor component - aluminium channel (poltava 2)

### Specification

- max leaf weight 36kg
- max leaf size 900x2400x45mm

<table>
<thead>
<tr>
<th>kits</th>
<th>opening width</th>
<th>no. doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poltava</td>
<td>750-900mm</td>
<td>1</td>
</tr>
<tr>
<td>Poltava 2</td>
<td>750-900mm</td>
<td>1</td>
</tr>
</tbody>
</table>

Poltava2 with guide channel fitted under door

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**Valencia Single & Double 45kg** the wardrobe slide

- for timber framed or composite doors
- silent-nylon wheeled ball bearing hangers & aluminium track
- floor component - guide only

### Specification

- max leaf weight 45kg
- max leaf size 900x2400x40mm

<table>
<thead>
<tr>
<th>kits</th>
<th>opening width</th>
<th>no. doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST12</td>
<td>max 600mm</td>
<td>1</td>
</tr>
<tr>
<td>ST15</td>
<td>max 750mm</td>
<td>1</td>
</tr>
<tr>
<td>ST18</td>
<td>max 900mm</td>
<td>1</td>
</tr>
<tr>
<td>W12</td>
<td>max 1200mm</td>
<td>2</td>
</tr>
<tr>
<td>W15</td>
<td>max 1500mm</td>
<td>2</td>
</tr>
<tr>
<td>W18</td>
<td>max 1800mm</td>
<td>2</td>
</tr>
<tr>
<td>W21</td>
<td>max 2100mm</td>
<td>2</td>
</tr>
<tr>
<td>W24</td>
<td>max 2400mm</td>
<td>3</td>
</tr>
<tr>
<td>W01</td>
<td>extra door kit</td>
<td>1</td>
</tr>
</tbody>
</table>

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**Modena 55kg & 90kg** the heavy duty slide

- for heavy duty domestic timber, timber framed or composite doors
- rugged ball bearing trace & aluminium track
- can be used externally if gear is adequately protected against the weather

### Specification

- max leaf weight 55kg (junior)
- max leaf weight 90kg (senior)
- max leaf size 2000x3000x50mm

<table>
<thead>
<tr>
<th>kits</th>
<th>opening width</th>
<th>no. doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>55kg</td>
<td>400 - 750mm</td>
<td>1</td>
</tr>
<tr>
<td>90kg</td>
<td>750 - 900mm</td>
<td>1</td>
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<tr>
<td>J4</td>
<td>900 - 1050mm</td>
<td>1</td>
</tr>
<tr>
<td>J5</td>
<td>1050 - 1200mm</td>
<td>1</td>
</tr>
<tr>
<td>J6</td>
<td>1200 - 1500mm</td>
<td>1</td>
</tr>
<tr>
<td>J7</td>
<td>1500 - 1800mm</td>
<td>1</td>
</tr>
<tr>
<td>J8</td>
<td>1800 - 2000mm</td>
<td>1</td>
</tr>
</tbody>
</table>
Helsinki 75kg & 100kg

Application

- Helsinki straight sliding is a highly versatile sliding door system
- For use with medium weight doors
- Easily adaptable for timber or aluminium doors
- Nylon wheels on aluminium track provide a smooth, silent ride
- To accommodate different building designs, doors can slide to one or both sides
- The Helsinki system can be used both internally and externally
- This system is commonly used for aluminium shutters

Door Specification

For Individual Doors:  
H75  H100  
Max door height (mm) 2400 2400
Max door weight 75kg 100kg
Door thickness (mm) 16-30
Door height ≤ 3 times door width

Timber doors can be solid or glazed.  
Aluminium framed doors of a suitable profile  
Helsinki is suitable for use with aluminium shutters

Gear Specification

Track:
Material: aluminium extrusion
Standard Lengths (mm): 1800;2400;3000;3600;6000
Removable joint: 280/RJ

Brackets:
For single track (face fixing): 281
For single track (soffit fixing): track can be drilled for soffit fixing
Fix at 250-300mm centres (maximum)

Fascia:
Face / soffit fixed track: 280F

Hangers 2 per door:  
75kg  100kg
Wood doors - concealed fixing: 284N 284
Wood doors - side plate fixing: 284/L
Aluminium doors - concealed fixing: 284N 284
Aluminium doors - box section: 285N 285

All 75kg hangers have silent running nylon wheels. The 100kg hangers have sealed steel bearing wheels with nylon casing. 
Vertical adjustment is simple and positive

Guides:
Aluminium doors: 106N/94
Wood doors: TOR/94
102N/93

All steel parts are zinc plated

Channel:
94B  brass extrusion
93X  aluminium extrusion
94X  aluminium extrusion

Standard Lengths:  
94B (mm): 1800;2500;3000;3600;5000
93X, 94X (mm): 1500;1800;2400;3000;3600;6000

Lengths are pre-drilled and countersunk for wood or lugging into concrete.

Accessories:  
Pull Handles, Flush Pulls, Flush Bolts, Locks & Stops 

Lucia 100kg

Application

- Sleek frameless design adds a modern feel to any door installation
- Ideally suited for glass doors but can be used on timber doors
- Stainless steel bearing wheels on a stainless steel pipe
- Kits can be joined to allow doors to slide to both sides
- SAS Lucia is a sleek contemporary version of the ever popular barn door style

Door Specification

For Individual Doors:
Max door height (mm)  2400
Max door weight   100kg
Max door width (mm)  1000
Max door thickness (mm)  12 (tempered glass) 44 (timber door)
Door height ≤ 3 times door width

Timber doors can be solid or glazed. Doors must be constructed with solid top and bottom rails for secure fixing of hangers and guide rails.

Gear Specification

Track:
Material    25ømm Stainless Steel Pipe
Standard Lengths (mm)  2000, 3000

Kits:
The Lucia system comes standard in kit form.
NB: Pipe not included in kit

Kits include: 2 x Hangers
2 x Stops
4 x Fixing Brackets
1 x Finger Pull (not included for timber doors)
1 x Guide

Kit Options:
Hardware available in Polished or Satin Stainless Steel
L/F9002 For glass door fixing to glass panel
L/F9003 For glass door fixing to wall
L/F9010 For timber door fixing to wall

Guides:
Glass Doors GG812/ADJ/PSS
Wood doors    L/GUIDE/9010/PSS

Channel:
Fitted to underside of timber door 93X aluminium extrusion
Standard Lengths: 93X (mm) 1500;1800;2400;3000;3600;6000

Accessories:
Flush pulls for timber doors

---

**Office**

Sales

Door Sliding Gear Range

call dimensions in mm
Commercial Sliding Gear Range

Waterberg 150kg

Application
- Waterberg straight sliding is a highly versatile sliding door system
- Easily adaptable for timber, glass, aluminium or metal doors, with its stylish facia, this system compliments any modern interior design.
- Nylon wheels on aluminium track provide a smooth, silent ride
- To accommodate different building designs, doors can slide to one or both sides
- The Waterberg system can be used both internally and externally & has the option of a clip on woolpile port for additional weather proofing

Door Specification
For Individual Doors:
- Max door height (mm) 3000
- Max door weight 150 kg
- Door thickness (mm) 35-50
- Door height ≤ 3 times door width

Timber doors can be solid or glazed.
Metal doors can be of angle or box section.
Aluminium framed doors of a suitable profile
Waterberg is suitable for use with glass rail.

Gear Specification

Track:
- Material: aluminium extrusion
- Standard Lengths (mm): 1500;2000;2500;3000;3500;4000;4500;6000
- Removable joint: 650/RJ

Brackets:
- For single track (face fixing): 1/650
- For single track (soffit fixing): track can be drilled for soffit fixing
- Fix at 500-750mm centres (maximum)

Fascia:
- Face fixed track: 650/F1
- Woolpile port: 650/WP1
- Soffit fixed track (woolpile port only): 650/WP1

Hangers 2 per door:
- Wood doors - concealed fixing: 57B
- Wood doors - angle plate fixing: 21B/4
- Aluminium doors - concealed fixing: 57B
- Metal doors - angle frame: 56B
- Metal doors - box frame: 56BX

Guides:
- Aluminium doors: 106N/94
- Wood doors: TOR/94
- Metal doors - angle frame: 106R/94
- Metal doors - box frame: 104P/89

Channel:
- 89: galvanised steel
- 94B: brass extrusion
- 94T: aluminium extrusion
- 94X: aluminium extrusion

Standard Lengths:
- 94B (mm): 1800;2500;3000;3600;5000
- 94X (mm): 1500;1800;2400;3000;3600;6000
- 89 (mm): 1800;2100;2400;3000;3600;4000;6000
- 94T (mm): 3000;4500;6000

Lengths are pre-drilled and countersunk for wood or lugging into concrete.

Accessories: Pull Handles, Flush Pulls, Flush Bolts & Stops

all dimensions in mm
Barn Door Kit 150kg

Application

- Adds a rustic feel to any door installation
- Ideally suited for timber doors of all types
- Modern steel bearing wheels on a steel track
- Kits can be joined to allow doors to slide to both sides
- SAS Barn Door Kits provide modern performance combined with an attractive finish while maintaining a rustic look

Door Specification

For Individual Doors:
Max door height (mm)  2400
Max door weight   150kg
Max door width (mm)  1500
Max door thickness (mm)  44
Door height ≤ 3 times door width

Timber doors can be solid or glazed. Doors must be constructed with solid top and bottom rails for secure fixing of hangers and guide channel.

Gear Specification

Track:
Material    mild steel
Standard Lengths (mm)  1500;1800;2100;2400;3000
Finishes    Black Powder Coated; Galvanised

Brackets:
Fixing brackets pre-fitted to the track
Fixing at 400-600mm centres dependent on the kit

Hangers 2 per door:
Wood Doors   BARN/HANG

Guides:
Wood doors    106N/94
TOR/94
All steel parts on guides are zinc plated

Channel:
Fitted to underside of door  94B  brass extrusion
94X  aluminium extrusion
Standard Lengths:  94B (mm)  1800;2500;3000;3600;5000
94X (mm)  1500;1800;2400;3000;3600;6000

Stops:
Stops pre-fitted to the track

Accessories:  Pull Handles, Flush Pulls & Flush Bolts
Commercial Sliding Gear Range

top hung straight sliding door systems

Magaliesberg 200kg & 250kg

Application

- Magaliesberg straight sliding is a highly versatile commercial sliding door system
- Ideally suited for timber, glass, aluminium or metal this system compliments the modern arena of shop-fronts, offices & other stylish interiors
- Nylon wheels on aluminium track provide a smooth, silent ride
- To accommodate different building designs, doors can slide to one or both sides
- The Magaliesberg system can be used both internally and externally & has the option of a clip on aluminium fascia

Door Specification

For Individual Doors:
Max door height (mm) 3000
Max door weight 200kg, 250kg
Door thickness (mm) 35-50
Door height ≤ 3 times door width

Timber doors can be solid or glazed.
Metal doors can be of angle or box section.
Aluminium is dependant on the profile used.
Magaliesberg is suitable for use with glass rail.

Gear Specification

Track:
Material: aluminium extrusion
Standard Lengths (mm): 1500;2000;2500;3000;3500;4000;4500;6000
Removable joint: 600/RJ

Brackets:
For single track (face fixing): 1B
For single track (soffit fixing): 4/550A (track can be drilled for soffit fixing)
Jointing bracket: 1BX
Fix at 500-750mm centres (maximum)

Fascia:
Face fixed track: 600/F1
Soffit fixed track: 600/F3

Hangers 2 per door:
Wood doors - concealed fixing: 57B, 57B/450
Wood doors - angle plate fixing: 21B/4
Aluminium doors - concealed fixing: 57B, 57B/450
Metal doors - angle frame: 56B
Metal doors - box frame: 56BX

Guides:
Aluminium doors: 106N/94
Wood doors: TOR/94
Metal doors - angle frame: 106R/94
Metal doors - box frame: 104P/89

Channel:
89 galvanised steel
94B brass extrusion
94T aluminium extrusion
94X aluminium extrusion

Standard Lengths:
94B (mm): 1800;2500;3000;3600;5000
94X (mm): 1500;1800;2400;3000;3600;6000
89 (mm): 1800;2100;2400;3000;3600;4000;6000
94T (mm): 3000;4500;6000

Lengths are pre-drilled and countersunk for wood or lugging into concrete.

Accessories: Pull Handles, Flush Pulls, Flush Bolts & Stops
Drakensberg 300 & 500kg

Application

Drakensberg straight sliding is a highly versatile commercial sliding door system
Ideally suited for timber, glass, aluminium or metal this system compliments the modern arena of shop-fronts, offices & other stylish interiors
Stainless steel bearing wheels on aluminium track
To accommodate different building designs, doors can slide to one or both sides
Drakensberg is the choice of gear for any site that requires high performance and an attractive finish

Door Specification

For Individual Doors:
Max door height (mm) 6000 6000
Max door weight 300kg 500kg
Door thickness (mm) 40-100 (timber or aluminium framed)
10-12 (tempered glass)
Door height ≤ 3 times door width

Glass to meet SAGGA specifications.
Timber doors can be solid or glazed.
Aluminium framed doors of a suitable profile.
Drakensberg is ideally suited for use with glass rail & tempered glass panels.

Gear Specification

Track:
Material: aluminium extrusion
Standard Lengths (mm): 1500;2000;2500;3000;3500;4000;4500;6000
Removable Joint 550/RJ

Brackets:
For single track (face fixing) 1/550S
For single track (soffit fixing) 3/550S
4/550A
Fix at 500mm centres (maximum)
Jointing strip 551/80

Hangers 2 per door: (hanger only) 558 558
Fixing plates:
Glass rail AG06 AG06
Wood / Aluminium doors - concealed fixing 61 61H
Wood / Aluminium doors - angle fixing 21 21H

Guides:
Wood / Aluminium doors 106N/94 / TOR/94
Metal doors - angle frame 106R/94
Metal doors - box frame 104P/89
Metal doors - extended version 104PX/89

Channel:
89 galvanised steel
94B brass extrusion
94T aluminium extrusion
94X aluminium extrusion

Standard Lengths: 94B (mm) 1800;2500;3000;3600;5000
94X (mm) 1500;1800;2400;3000;3600;6000
89 (mm) 1800;2100;2400;3000;3600;4000;6000
94T (mm) 3000;4500;6000

Glass Rail:
80mm glass rail GR80 (8-10mm glass)
97mm glass rail GR97 (10-12mm)
105mm glass rail GR105 (15-19mm)

Accessories: Pull Handles, Flush Pulls, Flush Bolts & Stops
Helsinki 25 & 40kg Folding Systems

Application

- For light and medium weight residential folding doors
- For timber, timber framed or composite doors
- Aluminium shutters and louvres
- Neatly folding to one or both sides
- Nylon wheels on aluminium track provide a smooth, silent ride
- Concealed fixing
- The Helsinki system can be used both internally and externally & has the option of a clip-on aluminium fascia

Door Specification

For Individual Doors:
Max door height (mm) 2400
Max door weight 25 & 40kg (endfold)
Door width (mm) 600-750
Door thickness (mm) 35-50

Timber doors can be framed or composite doors. Aluminium shutters and louvres of suitable profile

Gear Specification

Track:
- Material: aluminium extrusion
- Standard Lengths (mm): 1800; 2100; 2400; 3000; 3600; 6000
- Removable joint: 280/RJ

Brackets:
- For single track (face fixing): 281
- For single track (soffit fixing): track can be drilled for soffit fixing
- Fix at 250mm centres (maximum)

Fascia:
- Face fixed track: 280F (end folding only)

Hangers:
- Endfold: 283N (25kg), 283 (40kg)

Pivots:
- Top Pivot: 289T
- Bottom pivot: 289B

Hinges:
- For timber doors: 403AB
- Aluminium shutters: 403A

Guides:
- Endfold: 106HF/93, 106HF/94

Channel:
- 93X, 94X (aluminium extrusion)

Standard Lengths: 93X, 94X (mm) 1500; 1800; 2400; 3000; 3600; 6000

Lengths are pre-drilled and countersunk for wood or lugging into concrete.

Configurations:
Endfold Max 2 leaves to each side: 2 or 2+2 combinations allowed

Accessories:
Handles, Flush Pulls, Flush Bolts & Stops
Magaliesberg 70kg Folding Systems

Application

- Magaliesberg folding systems are designed for both interior and exterior applications
- Magaliesberg folding systems can be used as endfold or centrefold partitions
- Ideally suited for timber, aluminium or metal, this system complements the modern arena of shop-fronts, offices & other stylish interiors
- Nylon wheels on aluminium track provide a smooth, silent ride
- The Magaliesberg system has the option of a clip-on aluminium fascia

Door Specification

For Individual Doors:
Max door height (mm)  2700
Max door weight   70kg   (both endfold and centrefold)
Door width (mm)   600-900   (endfold)
600-1000   (centrefold)
Door thickness (mm)  35-50

Timber doors can be solid or glazed.
Metal doors can be of angle or box section.
Aluminium framed doors of a suitable profile.

Gear Specification

Track:
Material    aluminium extrusion
Standard Lengths (mm)  1500;2000;2500;3000;3500;4000;6000
Removable joint   600/RJ

Brackets:
For single track (face fixing)  1B
For single track (soffit fixing)  4/550A   (track can be drilled for soffit fixing)
Jointing bracket   1BX
Fix at 500mm centres (maximum)

Fascia:
Face fixed track   600/F3   (end folding only)

Hangers:
Endfold    21B/4
Centrefold   61B/4

Hinges:
For timber doors   403AB
For aluminium doors  403A

Guides:
Endfold    21KR/94
Centrefold   106R/94
All steel parts are zinc plated

Channel:
94B   brass extrusion
94T   aluminium extrusion
94X   aluminium extrusion
Standard Lengths:  94B (mm) 1800;2500;3000;3600;5000
94X (mm)  1500;1800;2400;3000;3600;6000
94T (mm) 3000;4500;6000

Lengths are pre-drilled and countersunk for wood or lugging into concrete.

Configurations:
Endfold    Max 7 leaves to each side:  1;2;3;4;5;6;7 combinations allowed
Centrefold  Max 6½ leaves to each side  1½;2½;3½;4½;5½;6½ combinations allowed

Accessories:  Flush Pulls, Flush Bolts, & Stops
Drakensberg Folding

Application

- The Drakensberg folding system is a highly versatile commercial sliding door system.
- Ideally suited for timber, glass or aluminium, this system complements the modern arena of shop-fronts, offices & other stylish interiors.
- For applications where space is limited, folding systems keep open doors out of the way when in the open position.
- Drakensberg is the choice of gear for any site that requires high performance and an attractive finish.
- Drakensberg can be used both as endfold and centrefold partitions.

Door Specification

<table>
<thead>
<tr>
<th>For Individual Doors:</th>
<th>Endfold</th>
<th>Centrefold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max door height (mm)</td>
<td>4500</td>
<td>4500</td>
</tr>
<tr>
<td>Max door weight</td>
<td>70-120kg</td>
<td>150-250kg</td>
</tr>
<tr>
<td>Max door width (mm)</td>
<td>1200</td>
<td>1200</td>
</tr>
<tr>
<td>Door thickness (mm)</td>
<td>40-100</td>
<td>(timber or aluminium framed)</td>
</tr>
<tr>
<td>Frameless tempered glass doors Max door height (mm)</td>
<td>10-12mm</td>
<td>10-12mm</td>
</tr>
<tr>
<td>Max door weight</td>
<td>70-120kg</td>
<td>150-250kg</td>
</tr>
<tr>
<td>Max door width (mm)</td>
<td>600-900</td>
<td>600-900</td>
</tr>
</tbody>
</table>

Gear Specification

<table>
<thead>
<tr>
<th>Track:</th>
<th>550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>aluminium extrusion</td>
</tr>
<tr>
<td>Standard Lengths (mm)</td>
<td>1500;2000;2500;3000;3500;4000;4500;6000</td>
</tr>
<tr>
<td>Removable Joint</td>
<td>550/RJ</td>
</tr>
</tbody>
</table>

| Fixing Plates:           | AG06, AG06 |
| Glass Rail:              | AG104    |
| Wood / Aluminium doors - concealed fixing | 61 |
| Wood / Aluminium doors - angle fixing | 21 |

| Hinges:                  | 403/97   |
| For timber doors         | 403/AB   |

| Glass Rail:              | GR97     |
| 97mm glass rail          |

| Endfold                  |
| Centrefold               |
| Glass rail               |

| Channel:                 | 94B, 94T, 94X |
| brass extrusion          |
| aluminium extrusion      |

| Standard Lengths (mm)    | 1800;2500;3000;3600;5000 |
| 94B (mm)                 |
| 94X (mm)                 | 1500;1800;2400;3000;3600;6000 |
| 94T (mm)                 | 3000;4500;6000 |

| Configurations:          | 1;2;3;4;5;6;7 combinations allowed |
| Endfold                  | Max 7 leaves to each side: |
| Centrefold               | Max 6½ leaves to each side |
|                          | 1⅜; 2⅜; 3⅜; 4½; 5¾; 6½ combinations allowed |

Accessories: Flush Pulls, Flush Bolts, Locks & Stops

All dimensions in mm
Drakensberg Multi-Directional Stacking

Application
- The Drakensberg stacking system is a highly versatile commercial sliding door system.
- Ideally suited for timber, glass or aluminium, this system compliments the modern arena of shop-fronts, offices & other stylish interiors.
- For applications where space is limited, parallel or 90° stacking systems keep doors out of the way when in the open position.
- Requires no floor guide channel, flush bolts are used in the closed position.
- Drakensberg is the choice of gear for any site that requires high performance and an attractive finish.

Door Specification

<table>
<thead>
<tr>
<th></th>
<th>Drakensberg 250</th>
<th>Drakensberg 500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max door height (mm)</td>
<td>6000</td>
<td>6000</td>
</tr>
<tr>
<td>Max door weight</td>
<td>250kg</td>
<td>500kg</td>
</tr>
<tr>
<td>Door thickness (mm)</td>
<td>40-100 (timber or aluminium framed)</td>
<td>10-19 (tempered glass)</td>
</tr>
</tbody>
</table>

Door height ≤ 3 times door width

Timber doors can be solid or glazed.
Aluminium framed doors of a suitable profile
Drakensberg is ideally suited for use with glass rail.

Gear Specification

<table>
<thead>
<tr>
<th>Track:</th>
<th>550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>aluminium extrusion</td>
</tr>
<tr>
<td>Standard Lengths (mm)</td>
<td>stacking rigs are made to client specifications</td>
</tr>
<tr>
<td>Removable Joint</td>
<td>550/RJ</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>For single track (soffit fixing)</td>
<td></td>
<td>(side fixing)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jointing strip</td>
<td>551/80</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fix at 500mm centres (maximum)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Hangers 2 per door: (hanger only) | 556 | 556 |
|Fixing plates:          | AG06 | AG06 |
|Glass rail              | 61   | 61H  |
|Wood / Aluminium doors - concealed fixing | 21   | 21H  |
|Wood / Aluminium doors - angle fixing |

<table>
<thead>
<tr>
<th>Glass Rail:</th>
<th>GR80</th>
<th>GR97</th>
<th>GR105</th>
</tr>
</thead>
<tbody>
<tr>
<td>80mm glass rail</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>97mm glass rail</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>105mm glass rail</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Configurations:
- 90° cranked system
- parallel cranked system
- parallel system
- 90° cranked system
- parallel cranked system
- parallel system

Accessories: Knobs, Flush Bolts, Locks, Dirt Sockets & Stops
Alu-pat 25, 70 & 120kg

Application

- Alupat high quality bottom roller gear and fittings are ideally suited to aluminium patio door and shopfront installations.
- The bottom roller design is suited to applications where the supporting structure or lintel is insufficient for the weight of the door, or where headroom is limited.
- To cover a larger opening, a number of doors can be used on single or multiple lines of track.
- To accommodate different building designs, doors can slide to one or both sides.

Door Specification

<table>
<thead>
<tr>
<th></th>
<th>Alupat25</th>
<th>Alupat70</th>
<th>Alupat120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max door height (mm)</td>
<td>2300</td>
<td>2600</td>
<td>2600</td>
</tr>
<tr>
<td>Max door weight</td>
<td>25kg</td>
<td>70kg</td>
<td>120kg</td>
</tr>
<tr>
<td>Door thickness (mm)</td>
<td>25</td>
<td>44</td>
<td>44</td>
</tr>
</tbody>
</table>

Gear Specification

Top Guide Channel:
- 94X aluminium extrusion
- 94B brass extrusion
- 900 aluminium extrusion

Standard Lengths: 94X (mm)
- 1500; 1800; 2400; 3000; 3600; 6000

94B (mm)
- 1800; 2500; 3000; 3600; 5000

900 (mm)
- 1800; 2400; 3000; 3600; 6000

Brackets:
- 94B and 94X top guide channel is screwed directly into the soffit
- 900 channel (side fixing) 1/900
- (soffit fixing) 3/900

Fix at 600-900mm centres (maximum)

Guides 2 per door:
- Top fixing 106N/94
- Top Guide Roller 902

Bottom Rollers 2 per door:
- 912N (25kg)
- 914N (70kg)
- 914B (120kg)
- 914B/B (120kg)

Weights given are per pair.
Rollers suffixed 'N' are nylon, 'B' are mild steel passivated, 'B/B' are brass.

Bottom Rail:
- 915X (T rail) aluminium extrusion
- 918X (E rail) aluminium extrusion

Standard lengths: 915X, 918X (mm)
- 1800; 2400; 3000; 3600; 6000

915B (T rail) brass extrusion
- 918 (E rail) brass extrusion

Standard lengths: 915B, 918 (mm)
- 1800; 2500; 3000; 3600; 5000

Pre-drilled & countersunk for wood or lugging into concrete.

Accessories:
- Handles, Flush Pulls, Flush Bolts & Stops.
### Namib 55 & 170kg  Kalahari 225 & 270kg

**Application**

- Namib and Kalahari high quality bottom roller gear and fittings are ideally suited to high class joinery installations
- Suited to doors that are good quality sliding partitions, glazed, flush or panelled doors
- The bottom roller design is suited to applications where the supporting structure or lintel is insufficient for the weight of the door, or where headroom is limited
- Any number of doors can be used on single or multiple lines of track
- To accommodate different building designs, doors can slide to one or both sides

**Door Specification**

<table>
<thead>
<tr>
<th></th>
<th>Namib 55</th>
<th>Namib 170</th>
<th>Kalahari</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max door height (mm)</td>
<td>2600</td>
<td>2600</td>
<td>3300</td>
</tr>
<tr>
<td>Max door weight</td>
<td>55kg</td>
<td>170kg</td>
<td>225 &amp; 270kg</td>
</tr>
<tr>
<td>Door thickness (mm)</td>
<td>30-57</td>
<td>30-57</td>
<td>44-57</td>
</tr>
</tbody>
</table>

Doors must be constructed with bottom sections to accommodate the concealed mortised roller. Mortising of 50mm for 813 & 913 rollers, 70mm for 916 rollers. Door weight is carried on the floor permitting the use of a light overhead structure.

**Gear Specification**

**Top Guide Channel:**

<table>
<thead>
<tr>
<th></th>
<th>93X</th>
<th>93X</th>
<th>900</th>
</tr>
</thead>
<tbody>
<tr>
<td>94X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>94B</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Material:
- 93X, 94X, 900 aluminium extrusion
- 94B brass extrusion

Standard Lengths (mm):
- 93X: 1500;1800;2400;3000;3600;6000
- 94B: 1800;2500;3000;3600;5000

**Brackets:**

- For single track (face fixing) N/A N/A 1/900
- For single track (soffit fixing) N/A N/A 3/900
- For double track (face fixing) N/A N/A 5/900

93X, 94X & 94B top guide channel is screwed directly into the soffit. Fix at 600-900mm centres (maximum).

**Guides 2 per door:**

- Edge fixing 113N/93 113R/93 203/900
- Edge fixing 113N/94 113R/94 207/900

Brass top plate available for 113 guides

- Top fixing 106N/93 106R/93 901/919S
- Top fixing 106N/94 106R/94

**Bottom Rollers 2 per door:**

- Weights given are per pair
- Rollers suffixed ‘N’ are nylon
- Rollers suffixed ‘B/B’ are brass
- Rollers suffixed ‘B’ are steel pasivated

<table>
<thead>
<tr>
<th>Weight</th>
<th>813N (55kg)</th>
<th>913BN (70kg)</th>
<th>916L (225kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>813B (90kg)</td>
<td>913B (170kg)</td>
<td>916 (270kg)</td>
</tr>
<tr>
<td></td>
<td>813B/B (90kg)</td>
<td>913B/B (170kg)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>913TAB adjustable (170kg)</td>
<td></td>
</tr>
</tbody>
</table>

**Bottom Rail:**

<table>
<thead>
<tr>
<th>Material</th>
<th>915X, 918X aluminium extrusion</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>915B, 918 brass extrusion</td>
</tr>
</tbody>
</table>

Standard Lengths: 915X,918X (mm) 1800;2400;3000;3600;6000
Standard Lengths: 915B,918 (mm) 1800;2500;3000;3600;5000

Pre-drilled & countersunk for wood or lugging into concrete.

**Accessories:**

Handles, Flush Pulls, Flush Bolts & Stops
**Viewfold 70kg**

**Application**
- The Viewfold system is suitable for all domestic Aluminium door and window applications
- All components are stainless steel or of non corrosive materials
- Endfolding weather resistant system
- Effortlessly smooth sliding, the Viewfold bottom rolling system is ideal for applications where the lintel is not sufficient to carry the weight of the doors
- A hard wearing powder coat finish available in a range of colours

**Door Specification**

For Individual Doors:
- Max door height (mm) 2700
- Max door weight 70kg
- Door width (mm) 600-900
- Door thickness (mm) 44

Aluminium glazed doors constructed from Clip 44 R1, R4, R5 WP profiles.
Glazing with 6.38 laminated or 5mm toughened glass.

**Gear Specification**

<table>
<thead>
<tr>
<th>Top Guide Channel:</th>
<th>94X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>aluminium extrusion</td>
</tr>
<tr>
<td>Standard Lengths (mm)</td>
<td>1500;1800;2400;3000;3600;6000</td>
</tr>
</tbody>
</table>

**Fixing:**
The Viewfold system is fixed through outer frame into construction

**Guides 1 per 2 doors:**
- Sinkless: 773S
- Butt: 773

**Hinges:**
- 772S
- 772
- 775S
- 775

**Bottom Rollers 1 per 2 doors:**
- 771S
- 771

**Bottom Rail:**
- Bottom rail: 918(E-rail)brass extrusion
- 918L(E-rail)brass extrusion
- 918X (E-rail)aluminium extrusion

<table>
<thead>
<tr>
<th>Standard Lengths: 918,918L(mm)</th>
<th>1800;2500;3000;3600;5000</th>
</tr>
</thead>
<tbody>
<tr>
<td>918X(mm)</td>
<td>1800;2400;3000;3600;6000</td>
</tr>
</tbody>
</table>

**Side Jamb:**
- Side Jamb: 767 aluminium extrusion

| Standard lengths: 767 (mm) | 2250;3000;4500;6000 |

**Configurations:**
- Max 7 leaves to each side: 1;3;5;7 combinations allowed

**Standard Finishes:**
- Natural anodised; Bronze, Black, White, Silver Powder Coated

**Accessories:**
- Handles, Flush Pulls, Flush Bolts

---

**Commercial Sliding Gear Range**

bottom rolling aluminium folding door systems
Afrifold 70kg

Application

- The Afrifold system is suitable for all domestic timber door and window applications
- Effortlessly smooth sliding, the Afrifold bottom rolling system is ideal for applications where the lintel is not sufficient to carry the weight of the doors
- Easily adjustable hinges allow for timber swelling
- Designed for rebated doors the Afrifold system is weather resistant
- Stainless steel or nylon wheels on either brass or aluminium rail
- Afrifold with its warm timber finish complements the modern arena of restaurant, shop and patio doors

Door Specification

For Individual Doors:
Max door height (mm) 2700
Max door weight   70kg
Max door width (mm) 900
Door thickness (mm) 44
Timber doors can be solid or glazed
A depth of bottom section should be adequate to rebate the roller

Gear Specification

Top Guide Channel: 94X
Material aluminium extrusion
Standard Lengths (mm) 1500;1800;2400;3000;3600;6000

Fixing:
The Afrifold system is fixed through outer frame into construction

Guides 1 per 2 doors:
Sinkless 723S Butt 723
Hinges: 722S 722
Adjustable Hinge 724 724
Handle Hinge 725S 725

Bottom Rollers 1 per 2 doors:
721S 721

Bottom Rail:
918 (E-rail) brass extrusion
918X (E-rail) aluminium extrusion
Standard Lengths: 918B (mm) 1800;2500;3000;3600;5000
918X (mm) 1800;2400;3000;3600;6000

Configurations:
Max 7 leaves to each side: 1;3;5;7 combinations allowed

Standard Finishes:
Pearl Gold & Natural Anodised, Royal Gold, Bronze & Silver Powder coated

Accessories: Handles, Flush Pulls, Flush Bolts, & Latches
Industrial Sliding Gear Range

top hung straight sliding timber or metal doors

Inline 75kg & 100kg

Application

- Widely used in light commercial & industrial applications
- Appropriate for internal security doors and gates
- To cover any width opening, any number of doors can be used on single or multiple lines of track
- To accommodate different building designs, doors can slide to one or both sides
- Where doors are fitted externally, a canopy is recommended

Door Specification

Track

For Individual Doors:
Max door height (mm) 2400
Max door weight Nylon Wheel 75kg
Max door weight Steel Wheel (nylon casing) 100kg
Door thickness (mm) 16-40
Door height ≤ 3 times door width

Timber doors for interior use can be of flush construction or glazed.
Timber doors for industrial applications should be framed ledged & braced.
Metal doors should be constructed of channel or angle framing, well braced & clad with flat or corrugated sheets.

Gear Specification

Track: 280
Material 280B (1.6mm) oil and pickled steel
280G (1.2mm) galvanised steel
Standard Lengths (mm) 1800;2100;2400;3000;3600;4000;6000

Brackets:
For single track (face fixing) 281 pressed steel galvanised
1/280S
Fix at 250-300mm centres (maximum).

Hangers 2 per door:
75kg 100kg
Aluminium Doors - apron fixing 284N 284
Wood Doors - concealed fixing 284N 284
Metal Doors - box frame 285N 285

Curtain Hanger: 20kg
288 288S (with S hook)

All 75kg hangers have silent running nylon wheels. The 100kg hangers have sealed steel bearing wheels with nylon casing.
Vertical adjustment is simple and positive.

Guides:
Wood Doors 102N/93 106N/93
Metal Doors 106N/94 106N/94
All steel parts are zinc-plated.

Channel:
89 galvanised steel
93X aluminium extrusion
94X aluminium extrusion

Standard Lengths: 89(mm) 1800;2100;2400;3000;3600;4000;6000
93X, 94X(mm) 1500;1800;2400;3000;3600;6000

Pre-drilled & countersunk for wood or lugging into concrete.

Accessories: Flush Pulls, Flush Bolts & Stops

---

*all dimensions in mm*
Industrial Sliding Gear Range

**Inline 150kg & 200kg**

**Application**
- Widely used in light commercial & industrial applications
- To cover any width opening, any number of doors can be used on single or multiple lines of track
- To accommodate different building designs, doors can slide to one or both sides
- A wicket door for easy access may be incorporated into a sliding door
- Where doors are fitted externally, a canopy is recommended

**Door Specification**

<table>
<thead>
<tr>
<th>Track</th>
<th>290</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max door height (mm)</td>
<td>3000</td>
</tr>
<tr>
<td>Max door weight Nylon/Steel Hanger</td>
<td>150kg</td>
</tr>
<tr>
<td>Max door weight Steel bearing Hanger</td>
<td>200kg</td>
</tr>
<tr>
<td>Door thickness (mm)</td>
<td>35-40</td>
</tr>
<tr>
<td>Door height ≤ 3 times door width</td>
<td></td>
</tr>
</tbody>
</table>

Timber doors for interior use can be of flush construction or glazed.
Timber doors for industrial applications should be framed ledged & braced.
Metal doors should be constructed of channel or angle framing, well braced & clad with flat or corrugated sheets.

**Gear Specification**

**Track:**
- 290 (2mm)
- Material: 290B oil and pickled steel
- 290G galvanised steel
- Standard Lengths (mm): 1800;2100;2400;3000;3600;4000;6000;6500

**Brackets:**
- For single track (face fixing) 1/290S pressed steel galvanised
- For single track (soffit fixing) 3/290S pressed steel galvanised
- Fix at 600-900mm centres (maximum).

**Hangers 2 per door:**
- 150kg (Nylon) 53K/N 53K/S 53KB/S
- 150kg (Steel) 53K/X/N 53K/X/S 53KB/X/S
- 200kg 56K/N 56K/S 56KB/S

All hangers suffixed ‘N’ have silent running nylon wheels & ‘S’ have steel wheels. Nylon wheels should not be used on installations with temperatures over 80°C. 200kg Hangers are fitted with needle bearings. Vertical adjustment is simple and positive.

**Guides:**
- Wood Doors 106R/94 106R/94 106R/94
- Metal Doors - angle frame 104P/89 104P/89 104P/89
- Metal Doors - box frame 104PX/89 104PX/89 104PX/89

All steel parts are zinc-plated.

**Channel:**
- 89 galvanised steel
- 94B brass extrusion
- 94X aluminium extrusion
- Standard Lengths: 89 (mm) 1800;2100;2400;3000;3600;4000;6000
- Standard Lengths: 94B (mm) 1800;2500;3000;3600;5000
- Standard Lengths: 94X (mm) 1500;1800;2400;3000;3600;6000

Pre-drilled & countersunk for wood or lugging into concrete.

**Accessories:**
- Handles, Flush Pulls, Flush Bolts & Stops
Industrial Sliding Gear Range

**Inline 300kg, 400kg & 450kg**

**Application**

- Widely used in light commercial & industrial applications
- To cover any width opening, any number of doors can be used on single or multiple lines of track
- To accommodate different building designs, doors can slide to one or both sides
- A wicket door for easy access may be incorporated into a sliding door
- Where doors are fitted externally, a canopy is recommended
- Suitable for Fire Resistant applications

**Door Specification**

<table>
<thead>
<tr>
<th>Track</th>
<th>301/302B</th>
<th>301H</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Individual Doors:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max door height (mm)</td>
<td>3600</td>
<td>4200</td>
</tr>
<tr>
<td>Max door weight Nylon Hanger</td>
<td>300kg</td>
<td></td>
</tr>
<tr>
<td>Max door weight Steel Hanger</td>
<td>400kg</td>
<td>450kg</td>
</tr>
<tr>
<td>Door thickness (mm)</td>
<td>43-57</td>
<td>43-57</td>
</tr>
<tr>
<td>Door height ≤ 3 times door width</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Timber doors for interior use can be of flush construction or glazed. Timber doors for industrial applications should be framed ledged & braced. Metal doors should be constructed of channel or angle framing, well braced & clad with flat or corrugated sheets.

**Gear Specification**

**Track:**

- 301G (2mm)
- 302B (2.5mm) oil and pickled steel
- 301G galvanised steel
- Standard Lengths (mm): 1800;2100;2400;3000;3600;4000;6000

**Material**

- 302B (2.5mm) oil and pickled steel
- 301G galvanised steel

**Brackets:**

- For single track (face fixing): 1/301S pressed steel zinc plated
- For double track (face fixing): 5/301S pressed steel zinc plated
- For single track (soffit fixing): 3/301S pressed steel zinc plated
- Fix at 600-900mm centres (maximum).

**Hangers 2 per door:**

- Wood Doors - concealed fixing: 57A/N, 57A/S, 57A/S
- Metal Doors - angle frame: 56A/N, 56A/S, 56A/S
- Metal Doors - box frame: 56AX/N, 56AX/S, 56AX/S

All hangers suffixed ‘N’ have silent running nylon wheels & ‘S’ have steel wheels. Nylon wheels should not be used on installations with temperatures over 80°C. Hangers are fitted with maintenance free sealed bearings. Vertical adjustment is simple and positive.

**Guides:**

- Wood Doors: 106R/94, 106R/100, 106R/100
- Wood Doors - concealed fixing: 106R/94, 106R/100, 106R/100
- Metal Doors - angle frame: 104P/89, 104P/100, 104P/100
- Metal Doors - box frame: 104PX/89, 104PX/100, 104PX/100

All steel parts are zinc-plated.

**Channel:**

- 89 galvanised steel
- 100 galvanised steel

Standard lengths: 89 (mm): 1800;2100;2400;3000;3600;4000;6000
- 100 (mm): 1800;2100;2400;3000;3600;6000

**Accessories:**

- Handles, Flush Pulls, Flush Bolts & Stops
Industrial Sliding Gear Range

Inline 700kg

Application

- Widely used in light commercial & industrial applications where robust gear is required
- To cover any width opening, any number of doors can be used on single or multiple lines of track
- To accommodate different building designs, doors can slide to one or both sides
- A wicket door for easy access may be incorporated into a sliding door
- Where doors are fitted externally, a canopy is recommended
- Suitable for Fire Resistant applications

Door Specification

Track: 305
For Individual Doors:
Max door height (mm): 4800
Max door weight (Steel Hanger): 700kg
Door thickness (mm): 43-57
Door height ≤ 3 times door width

Timber doors for interior use can be of flush construction or glazed.
Timber doors for industrial applications should be framed ledged & braced.
Metal doors should be constructed of channel or angle framing, well braced & clad with flat or corrugated sheets.

Gear Specification

Track:
Material: galvanised steel
Standard Lengths (mm): 1800;2000;2400;3000;3600;4000;6000

Brackets:
For single track (face fixing): 1/305S galvanised steel
For double track (face fixing): 5/305S galvanised steel
For single track (soffit fixing): 3/305S galvanised steel
Fix at 600-900mm centres (maximum).

Hangers 2 per door:
Wood Doors - apron fixing: 53C/S
Wood Doors - angle plate fixing: 21C/4S
Wood Doors - concealed fixing: 57C/S
Metal Doors - angle frame: 56C/S
Metal Doors - box frame: 56CX/S
Metal Doors - concealed plate: 57C/S

Hangers are fitted with steel wheels on maintenance free sealed for life precision bearings. Vertical adjustment is simple and positive.

Guides:
Wood Doors: 106R/100
Wood Doors - concealed fixing: 106R/100
Metal Doors - angle frame: 104P/100
Metal Doors - box frame: 104PX/100

All steel parts are zinc-plated.

Channel:
Standard lengths: 100 (mm): 1800;2100;2400;3000;3600;6000

Accessories:
Handles, Flush Pulls, Flush Bolts & Stops

all dimensions in mm
Industrial Sliding Gear Range
bottom rolling straight sliding timber or metal doors

Sahara 225kg - 8000kg

Application
- Sahara gear is designed for a wide range of commercial and industrial applications
- The bottom roller design is suited to applications where the supporting structure or lintel is insufficient for the weight of the door
- The top guide channel may be soffit or face fixed
- To accommodate different building designs, doors can slide to one or both sides
- Wicket doors for easy access may be incorporated into a sliding door
- Where doors are fitted externally, a canopy is recommended to protect the top guide channel and rollers

Door Specification

<table>
<thead>
<tr>
<th>For Individual Doors:</th>
<th>STE225</th>
<th>STE350</th>
<th>STE800</th>
<th>STE2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max door height (mm)</td>
<td>3300</td>
<td>4000</td>
<td>5200</td>
<td>7500</td>
</tr>
<tr>
<td>Max door weight</td>
<td>225kg</td>
<td>350kg</td>
<td>800kg</td>
<td>2000kg</td>
</tr>
<tr>
<td>Max door thickness (mm)</td>
<td>44-50</td>
<td>44-54</td>
<td>54-63</td>
<td>58-70</td>
</tr>
</tbody>
</table>

It is recommended that the door width should be at least 50% of the door height.
In timber doors, rollers should be positioned in the bottom leaf section clear of the joint between bottom rail and stiles. On metal doors, rollers should be positioned in the bottom door frame section by welding or bolting.
A minimum depth of bottom section should be 230mm for Sahara 255 & 350.
A minimum depth of bottom section should be 300mm for Sahara 800 & 2000.

Gear Specification

Top Guide Channel:

<table>
<thead>
<tr>
<th>Material</th>
<th>900 aluminium extrusion</th>
<th>99</th>
<th>99</th>
<th>13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Lengths (mm)</td>
<td>1800;2400;3000;3600;6000</td>
<td>13</td>
<td>99</td>
<td>galvanised steel</td>
</tr>
<tr>
<td>Standard Lengths (mm)</td>
<td>13 channel 3000;5000. 99 channel 3000;6000</td>
<td>13</td>
<td>99</td>
<td>galvanised steel</td>
</tr>
</tbody>
</table>

Brackets:
- Single track (face fixing) 1/900 31 31 1/13
- Single track (soffit fixing) 3/900 drilled for soffit fixing 2/13
- Double track (face fixing) 5/900 35 35 5/13
- Fix at 600-900mm centres (maximum)

Guides 2 per door:
- For timber doors 53/900 53/99 53/99 53/13
- For metal doors 104/99 104/99 104/99 104/13

Bottom Rollers 2 per door:
- For timber doors 5 2 3 4J
- For metal doors 5S 1S 3S 4SJ

Sahara bottom roller is zinc plated and has maintenance free sealed for life bearing

Bottom Rail:
- Material galvanised steel
- standard Lengths (mm) 5000

Accessories: Handles, Flush Pulls, Flush Bolts & Stops

Sahara 3600 & 8000

<table>
<thead>
<tr>
<th>STE3600</th>
<th>STE8000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max door height</td>
<td>12500mm</td>
</tr>
<tr>
<td>Max door weight</td>
<td>3600kg</td>
</tr>
<tr>
<td>Door thickness</td>
<td>152mm (minimum)</td>
</tr>
</tbody>
</table>

Where door requirements are between 2000kg & 8000kg please contact SA Sliding Door Sales’ technical department for expert advice on selecting the correct gear.
## Patch fittings & handles

### Patch fittings with stainless steel cover plates
- **FT10** floor spring patch fitting
- **FT10/100** hydraulic patch fitting
- **FT20** top pivot patch fitting
- **FT22** transom patch fitting
- **FT30** toplite patch fitting with pivot
- **FT40** sidelite to toplite patch fitting with pivot
- **FT41** sidelite to toplite patch fitting with pivot & fin
- **FT50** bottom corner lock
- **FT52** centre lock
- **FT53** centre lock keep
- **FT54** centre hook lock and keep set
- **FT55** centre wingbolt lock and keep set
- **GL337** glass lock and keep with thumb turn (no cutout)
- **GL338** glass lock and keep with key turn (no cutout)
- **GL339** glass lock & keep with cylinder & thumbturn (no cutout)
- **GL1175** glass latch lock and keep set

### Pull handles

Stainless steel pull handles are available in a range of sizes. Please confirm sizes and hole centres on order.

Pull handles available in:
- Polished Stainless Steel (PSS), Satin stainless Steel (SSS), Combination (PSS/SSS)
Frameless shower fittings

Shower hinges
- Stainless steel adjustable shower hinges
  - SH311 wall to glass full-back hinge
  - SH312 wall to glass half back hinge
  - SH313 glass to glass 180° hinge
  - SH314 glass to glass 135° hinge (unequal)
  - SH315 glass to glass 90° hinge
  - SH316 glass to glass 135° hinge (equal)

Shower clamps
- Stainless steel glass clamps (rounded 45mm)
  - GC502 wall to glass clamp
  - GC502L wall to glass ‘L’ clamp
  - GC503 glass to glass 90° clamp
  - GC504 glass to glass 180° clamp
  - GC505 glass to glass 135° clamp
  - GC500 wall to glass slotted clamp
- Stainless steel glass clamps (beveled 50mm)
  - GC512 wall to glass clamp
  - GC512L wall to glass ‘L’ clamp
  - GC513 glass to glass 90° clamp
  - GC514 glass to glass 180° clamp
  - GC515 glass to glass 135° clamp

Shower knobs
- Chrome plated aluminium glass knobs
  - SKL751 shower / glass door knobs
  - SKL753 shower / glass door knobs
  - SKL754 shower / glass door knobs
  - SKL756 shower / glass door knobs
  - SK2 shower / glass door knobs
  - SK6 shower / glass door knobs

Stabilising components
- Chrome plated alum stabiliser components
  - SB901 stabiliser pipe wall mounting
  - SB901/45 stabiliser pipe wall mounting 45°
  - SBR903 stabiliser pipe end glass clamp 360°
  - SER903 stabilising bar ‘T’ piece
  - SB900 stabiliser pipe universal elbow
  - SBP stainless steel stabiliser pipe p/m

Shelf clamp
- Chrome plated aluminium shelf clamps
  - GSC5301 shelf clamp glass to wall mount
  - GSC5303 shelf clamp glass to glass mount
  - GC501 wall to glass shelf clamp (no cutout)

Towel rails
- Chrome plated aluminium towel rails
  - STR/H/400 towel rail+handle 16x200x400mm
  - STR/H/600 towel rail+handle 16x200x600mm
  - STR400 towel rail 16x400mm
  - STR600 towel rail 16x600mm
  - STR/K/400 towel rail+knob 16x400mm
  - STR/K/600 towel rail+knob 16x600mm

Shower sill rail
- Bright polished anodised sill rails
  - SC900 shower sill rail - half moon
  - SC901 shower sill rail - lipped
**Glass Products**

### Shower Seals

- **Polycarbonate glass seals**
  - GS90  glass to glass 90° - 8,10,12mm
  - GS180S  glass to glass 180° soft lip - 8,10,12,15mm
  - GS180SL  glass to glass 180° soft lip long - 8mm
  - GS180H  glass to glass 180° hard lip - 8,10,12mm
  - GST13  glass to glass 135° - 8,10,12mm
  - GST5  glass to glass 135° - 8,10,12mm
  - GSTB  glass to wall 180° - 8,10,12mm
  - GSW  glass to wall 135° - 8,10,12mm
  - GSWDR  glass to floor - 8.10mm
  - GS  glass bubble seal - 8,10mm
  - GS/AU/E  glass seal with woolpile port edge - 10,12mm
  - GS/AU/S  glass seal with woolpile port side - 10,12mm
  - GSM90  magnetic glass seal 90° - 8,10mm
  - GSM135  magnetic glass seal 135° - 8mm
  - GSM180  magnetic glass seal 180° - 8,10mm

### Standoff Clamps

- GST25  poster clamp standoff 25mm - (CP)
- GST30  poster clamp standoff 30mm - (CP)
- GST4035  balustrade standoff 40mm - (316)
- GST5035  balustrade standoff 50mm - (316)

### Balustrade Clamps

- BLD/G32A/CP  balustrade clamp flat - (CP)
- BLD/G32A/SN  balustrade clamp flat - (Satin Nickel)
- BLD/G32A/SSS  balustrade clamp flat satin - (316)
- GC050/SSS  balustrade clamp flat satin - (304)
- BLD/G33A/CP  balustrade clamp curved - (CP)
- BLD/G33A/SN  balustrade clamp curved (Satin Nickel)
- BLD/G33A/SSS  balustrade clamp curved satin - (316)
- GC049/SSS  balustrade clamp curved satin - (304)

### Frameless Sliding Hardware

- NA/F5004  glass sliding door hanger T shaped - (304)
- NA/F5007  glass sliding door hanger round - (304)
- 27A/NA  finger pull anodised ø30mm
- 27/70/PSS  finger pull polished ø70mm - (304)
- GG812/ADJ/PSS  glass guide adjustable - (304)

### Glass Rails

- 503  zurich glass rail - no cut out 6mm
- GR80  aluminium glass rail 80mm - no cut out 8,10mm
- GR97  aluminium glass rail 97mm - no cut out 10,12mm
- GR105  aluminium glass rail 105mm - no cut out 15,19mm
## Window gear & door closers

### Sash Window Gear

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>781G/B</td>
<td>Sash pulley galvanised body brass wheel</td>
</tr>
<tr>
<td>781G/GST</td>
<td>Sash pulley galvanised body galvanised steel wheel</td>
</tr>
<tr>
<td>781G/N</td>
<td>Sash pulley galvanised body nylon wheel</td>
</tr>
<tr>
<td>781P/B</td>
<td>Sash pulley passivated body brass wheel</td>
</tr>
<tr>
<td>781P/N</td>
<td>Sash pulley passivated body nylon wheel</td>
</tr>
<tr>
<td>781P/PST</td>
<td>Sash pulley passivated body passivated steel wheel</td>
</tr>
<tr>
<td>781SS/B</td>
<td>Sash pulley stainless steel body brass wheel</td>
</tr>
<tr>
<td>781SS/N</td>
<td>Sash pulley stainless steel body nylon wheel</td>
</tr>
<tr>
<td>813SP</td>
<td>Sash pulley brass with brass face plate (small)</td>
</tr>
<tr>
<td>813SPN</td>
<td>Sash pulley nylon (small)</td>
</tr>
<tr>
<td>782SP/BN</td>
<td>Sash face plate brushed nickel</td>
</tr>
<tr>
<td>782SP/CP</td>
<td>Sash face plate chrome plated</td>
</tr>
<tr>
<td>782SP/G</td>
<td>Sash face plate galvanised</td>
</tr>
<tr>
<td>782SP/PB</td>
<td>Sash face plate polished brass</td>
</tr>
<tr>
<td>782SP/PSS</td>
<td>Sash face plate polished stainless steel</td>
</tr>
<tr>
<td>782SP/SC</td>
<td>Sash face plate satin chrome</td>
</tr>
<tr>
<td>782SP/SSS</td>
<td>Sash face plate satin stainless steel</td>
</tr>
<tr>
<td>783SP</td>
<td>Sash pulley brass</td>
</tr>
<tr>
<td>783SF/BN</td>
<td>Sash face plate brushed nickel</td>
</tr>
<tr>
<td>783SF/CP</td>
<td>Sash face plate chrome plated</td>
</tr>
<tr>
<td>783SF/PB</td>
<td>Sash face plate polished brass</td>
</tr>
<tr>
<td>783SF/PSS</td>
<td>Sash face plate polished stainless steel</td>
</tr>
<tr>
<td>783SF/SC</td>
<td>Sash face plate satin chrome</td>
</tr>
<tr>
<td>784SL/CP</td>
<td>Sash lift chrome plated</td>
</tr>
<tr>
<td>784SL/PB</td>
<td>Sash lift polished brass</td>
</tr>
<tr>
<td>784SL/PSS</td>
<td>Sash lift polished stainless steel</td>
</tr>
<tr>
<td>784SL/SC</td>
<td>Sash lift satin chrome</td>
</tr>
<tr>
<td>785/SR</td>
<td>Sash rope</td>
</tr>
<tr>
<td>786SW</td>
<td>Sash weight 1kg</td>
</tr>
<tr>
<td>786SW/1/2</td>
<td>Sash weight 1/2kg</td>
</tr>
<tr>
<td>786SW/1/4</td>
<td>Sash weight 1/4kg</td>
</tr>
</tbody>
</table>

### Floor Springs & Pivots

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS130/PSS</td>
<td>Floor spring 130kg, hold open</td>
</tr>
<tr>
<td>FS200/PSS</td>
<td>Floor spring 200kg, hold open</td>
</tr>
<tr>
<td>FS200N/PSS</td>
<td>Floor spring 200kg, non hold open</td>
</tr>
<tr>
<td>FS250/PSS</td>
<td>Floor spring 250kg, hold open</td>
</tr>
<tr>
<td>FS300/PSS</td>
<td>Floor spring 300kg, hold open</td>
</tr>
<tr>
<td>AT110</td>
<td>Top centre</td>
</tr>
<tr>
<td>AT110/ADJ</td>
<td>Top centre adjustable</td>
</tr>
<tr>
<td>AT140</td>
<td>Top centre</td>
</tr>
<tr>
<td>AT180</td>
<td>Floor pivot with bearing 300kg</td>
</tr>
<tr>
<td>AT180S</td>
<td>Pivot strap</td>
</tr>
</tbody>
</table>

### Door Closers

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC100</td>
<td>Door closer light duty</td>
</tr>
</tbody>
</table>
Automatic door closing systems

General Purpose Automatic Sliding System

**DSL-125**

**Technical Data**
- Door Configuration: Single leaf, Double leaf
- Door Weight: ≤ 1 x 150kg, ≤ 2 x 125kg
- Leaf Width to Height Ratio: 1:3
- Voltage: 220 VAC
- Power Consumption: < 70W
- Opening Speed: 200-400mm/s (Adjustable)
- Closing Speed: 200-400mm/s (Adjustable)
- Hold-Open time: 0-9s (Adjustable)
- Manual Closing Force: < 40N
- Sliding Noise: ≤ 55Db
- Operating Temperature: -20 ~ 50°C

Heavy Duty Automatic Sliding System

**DSH-250**

**Technical Data**
- Door Configuration: Single leaf, Double leaf
- Door Weight: ≤ 1 x 300kg, ≤ 2 x 250kg
- Leaf Width to Height Ratio: 1:3
- Voltage: 220 VAC
- Power Consumption: < 100W
- Opening Speed: 300-550mm/s (Adjustable)
- Closing Speed: 200-550mm/s (Adjustable)
- Hold-Open time: 0-9s (Adjustable)
- Manual Closing Force: < 100N
- Sliding Noise: ≤ 55Db
- Operating Temperature: -20 ~ 50°C
**Components and Accessories**

**Profiles**

### Bottom Rails

<table>
<thead>
<tr>
<th>Name</th>
<th>Standard lengths:</th>
<th>Finishes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>1200;1500;1800;2100;2400;3000;3600;5000</td>
<td>Mill, Natural Anodised</td>
</tr>
<tr>
<td>80X</td>
<td>1200;1500;1800;2400;3000;3600;4000;6000</td>
<td>Mill</td>
</tr>
<tr>
<td>812A</td>
<td>1800;2400;3000;3600;4000;6000</td>
<td>Mill, Natural Anodised</td>
</tr>
<tr>
<td>80C</td>
<td>6000</td>
<td>Mill</td>
</tr>
<tr>
<td>915X</td>
<td>1800;2400;3000;3600;6000</td>
<td>Mill</td>
</tr>
<tr>
<td>918X</td>
<td>1800;2400;3000;3600;6000</td>
<td>Mill</td>
</tr>
<tr>
<td>915B</td>
<td>1800;2500;3000;3600;5000</td>
<td>Brass</td>
</tr>
<tr>
<td>918</td>
<td>1800;2500;3000;3600;5000</td>
<td>Brass</td>
</tr>
<tr>
<td>918L</td>
<td>1800;2500;3000;3600;5000</td>
<td>Brass</td>
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</table>

### Guide Channels

<table>
<thead>
<tr>
<th>Name</th>
<th>Standard lengths:</th>
<th>Finishes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rail 500</td>
<td>3000;6000</td>
<td>Steel</td>
</tr>
<tr>
<td>Rail 80X</td>
<td>1200;1500;1800;2100;2400;3000;3600;5000</td>
<td>Steel</td>
</tr>
<tr>
<td>Rail 812A</td>
<td>1800;2400;3000;3600;4000;6000</td>
<td>Steel</td>
</tr>
<tr>
<td>Rail 80C</td>
<td>6000</td>
<td>Steel</td>
</tr>
<tr>
<td>Rail 915X</td>
<td>1800;2400;3000;3600;6000</td>
<td>Steel</td>
</tr>
<tr>
<td>Rail 918X</td>
<td>1800;2400;3000;3600;6000</td>
<td>Steel</td>
</tr>
<tr>
<td>Rail 915B</td>
<td>1800;2500;3000;3600;5000</td>
<td>Steel</td>
</tr>
<tr>
<td>Rail 918</td>
<td>1800;2500;3000;3600;5000</td>
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</tr>
<tr>
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### Profiles

<table>
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<tr>
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<th>Standard lengths:</th>
<th>Finishes:</th>
</tr>
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<tr>
<td>Rail 298</td>
<td>3000;6000</td>
<td>Steel</td>
</tr>
<tr>
<td>Channel 502</td>
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<td>Channel 512</td>
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<td>Channel 81C</td>
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<tr>
<td>Channel 81X</td>
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<tr>
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<td>Steel</td>
</tr>
<tr>
<td>Channel 93X</td>
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<td>Steel</td>
</tr>
<tr>
<td>Channel 94X</td>
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</tr>
<tr>
<td>Channel 94T</td>
<td>3000;4500;6000</td>
<td>Steel</td>
</tr>
<tr>
<td>Channel 900</td>
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<td>Steel</td>
</tr>
<tr>
<td>Channel 94B</td>
<td>1800;2500;3000;3600;5000</td>
<td>Steel</td>
</tr>
<tr>
<td>Channel 13</td>
<td>3000;6000</td>
<td>Steel</td>
</tr>
<tr>
<td>Channel 89</td>
<td>1800;2100;2400;3000;3600;4000;6000</td>
<td>Steel</td>
</tr>
<tr>
<td>Channel 99</td>
<td>3000;6000</td>
<td>Steel</td>
</tr>
<tr>
<td>Channel 100</td>
<td>1800;2100;2400;3000;3600;6000</td>
<td>Steel</td>
</tr>
<tr>
<td>Channel 930/C</td>
<td>3000</td>
<td>Steel</td>
</tr>
<tr>
<td>Channel 930/L</td>
<td>6000</td>
<td>Steel</td>
</tr>
<tr>
<td>Brush holder 533</td>
<td>1800;2400;3000;6000</td>
<td>Mill, Natural Anodised, Bronze, MC, White PC</td>
</tr>
<tr>
<td>Brush holder 535</td>
<td>Mill, Natural Anodised, Bronze, MC, White PC</td>
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</tr>
<tr>
<td>Angle trim 551/AT</td>
<td>3000;6000</td>
<td>Mill, Natural Anodised, Bronze, MC, White PC</td>
</tr>
<tr>
<td>Side Jamb 767</td>
<td>Mill, Natural Anodised, Bronze, MC, White PC</td>
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</tbody>
</table>
### Components and Accessories

#### Bottom Rollers

<table>
<thead>
<tr>
<th>Bottom Rollers</th>
<th>Timber Doors</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight P/P</th>
<th>Steel/Aluminium Block Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,3,4,4J,5</td>
<td>Roller 5</td>
<td>229</td>
<td>38</td>
<td>75</td>
<td>Steel</td>
<td>225kg</td>
<td>Natural Anodised &amp; Black, Bronze, White PC</td>
</tr>
<tr>
<td></td>
<td>Roller 2</td>
<td>305</td>
<td>58</td>
<td>110</td>
<td>Steel</td>
<td>350kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Roller 3</td>
<td>381</td>
<td>64</td>
<td>146</td>
<td>Steel</td>
<td>800kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Roller 4</td>
<td>457</td>
<td>64</td>
<td>197</td>
<td>Steel</td>
<td>1150kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Roller 4J</td>
<td>457</td>
<td>64</td>
<td>197</td>
<td>Steel</td>
<td>2000kg</td>
<td></td>
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<table>
<thead>
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<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight P/P</th>
<th>Steel/Aluminium Block Finishes</th>
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</thead>
<tbody>
<tr>
<td>1S,3S,4S,4SJ,5S</td>
<td>Roller 5S</td>
<td>159</td>
<td>50</td>
<td>100</td>
<td>Steel</td>
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</tr>
<tr>
<td></td>
<td>Roller 1S</td>
<td>305</td>
<td>54</td>
<td>120</td>
<td>Steel</td>
<td>350kg</td>
</tr>
<tr>
<td></td>
<td>Roller 3S</td>
<td>381</td>
<td>63</td>
<td>150</td>
<td>Steel</td>
<td>800kg</td>
</tr>
<tr>
<td></td>
<td>Roller 4S</td>
<td>457</td>
<td>64</td>
<td>197</td>
<td>Steel</td>
<td>1150kg</td>
</tr>
<tr>
<td></td>
<td>Roller 4SJ</td>
<td>457</td>
<td>64</td>
<td>197</td>
<td>Steel</td>
<td>2000kg</td>
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#### Timber Doors

<table>
<thead>
<tr>
<th>Bottom Rollers</th>
<th>Steel Doors</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight P/P</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3/3N/22</td>
<td>57</td>
<td>11</td>
<td>19</td>
<td>nylon</td>
<td>23kg</td>
</tr>
<tr>
<td></td>
<td>3/3N/32</td>
<td>65</td>
<td>13</td>
<td>30</td>
<td>nylon</td>
<td>23kg</td>
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</table>

#### Steel Doors

<table>
<thead>
<tr>
<th>Lisboa</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight P/P</th>
</tr>
</thead>
<tbody>
<tr>
<td>83N</td>
<td>66</td>
<td>10</td>
<td>28</td>
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<td>23kg</td>
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Used with 81x bottom track.

#### Lisboa

<table>
<thead>
<tr>
<th>Bottom Rollers</th>
<th>Steel Doors</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight P/P</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>84N</td>
<td>118</td>
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<td>48</td>
<td>steel</td>
<td>170kg</td>
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#### Steel Doors

<table>
<thead>
<tr>
<th>Namib</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight P/P</th>
</tr>
</thead>
<tbody>
<tr>
<td>813B</td>
<td>80</td>
<td>16</td>
<td>40</td>
<td></td>
<td>120kg</td>
</tr>
<tr>
<td>813B/B</td>
<td>80</td>
<td>16</td>
<td>40</td>
<td>brass</td>
<td>120kg</td>
</tr>
<tr>
<td>813N</td>
<td>80</td>
<td>16</td>
<td>40</td>
<td>nylon</td>
<td>55kg</td>
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</table>

Steel passivated body.

#### Namib

<table>
<thead>
<tr>
<th>Bottom Rollers</th>
<th>Steel Doors</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight P/P</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>913B</td>
<td>118</td>
<td>25</td>
<td>48</td>
<td>steel</td>
<td>170kg</td>
</tr>
</tbody>
</table>

#### Steel Doors

<table>
<thead>
<tr>
<th>Namib</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight P/P</th>
</tr>
</thead>
<tbody>
<tr>
<td>913B/B</td>
<td>80</td>
<td>16</td>
<td>40</td>
<td>brass</td>
<td>120kg</td>
</tr>
<tr>
<td>913N</td>
<td>80</td>
<td>16</td>
<td>40</td>
<td>nylon</td>
<td>55kg</td>
</tr>
</tbody>
</table>

Steel passivated body.

#### Namib

<table>
<thead>
<tr>
<th>Bottom Rollers</th>
<th>Steel Doors</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight P/P</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>913B/L</td>
<td>120</td>
<td>32</td>
<td>50</td>
<td>steel</td>
<td>120kg</td>
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</table>

#### Steel Doors

<table>
<thead>
<tr>
<th>Alupat</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight P/P</th>
</tr>
</thead>
<tbody>
<tr>
<td>914B</td>
<td>120</td>
<td>26</td>
<td>50</td>
<td></td>
<td>120kg</td>
</tr>
<tr>
<td>914B/B</td>
<td>120</td>
<td>26</td>
<td>50</td>
<td>brass</td>
<td>120kg</td>
</tr>
<tr>
<td>914N</td>
<td>120</td>
<td>26</td>
<td>50</td>
<td>nylon</td>
<td>70kg</td>
</tr>
<tr>
<td>914B/L</td>
<td>120</td>
<td>32</td>
<td>50</td>
<td></td>
<td>120kg</td>
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#### Alupat

<table>
<thead>
<tr>
<th>Bottom Rollers</th>
<th>Steel Doors</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight P/P</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>914N/L</td>
<td>120</td>
<td>32</td>
<td>50</td>
<td>nylon</td>
<td>70kg</td>
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</tbody>
</table>

Steel passivated body.

#### Namib

<table>
<thead>
<tr>
<th>Bottom Rollers</th>
<th>Steel Doors</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight P/P</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>914B/D</td>
<td>120</td>
<td>39</td>
<td>50</td>
<td>brass</td>
<td>240kg</td>
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<tr>
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<td>914N/D</td>
<td>120</td>
<td>39</td>
<td>50</td>
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Steel passivated body.

#### Alupat
Components and Accessories

**Bottom Rollers & Hangers**

### Kalahari

<table>
<thead>
<tr>
<th>916</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight</th>
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<tbody>
<tr>
<td>225</td>
<td>35</td>
<td>95</td>
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<td>270kg</td>
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Brass wheel made to order

88S

<table>
<thead>
<tr>
<th>288</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>73</td>
<td>24</td>
<td>nylon</td>
<td>20kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- A - aluminium doors, T - timber doors, SS - stainless, G - galv

### Magaliesberg

<table>
<thead>
<tr>
<th>218/4</th>
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<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight</th>
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<tr>
<td>90</td>
<td>38</td>
<td>32</td>
<td>nylon</td>
<td>200kg</td>
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</table>

218B/4 has a swivel nut for folding doors on the fixing plate

### Hangers

**163**

Salonica

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight</th>
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<tbody>
<tr>
<td>24</td>
<td>32</td>
<td>23</td>
<td>nylon</td>
<td>30kg</td>
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Hanger 163

**222**

Valencia

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>61</td>
<td>31</td>
<td>23</td>
<td>nylon</td>
<td>45kg</td>
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</table>

Hanger 222

**283**

Helsinki

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>63</td>
<td>20</td>
<td>24</td>
<td>nylon</td>
<td>40kg</td>
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Hanger used for end folding systems

**284**

Helsinki

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>63</td>
<td>20</td>
<td>24</td>
<td>nylon</td>
<td>100kg</td>
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Hanger used for straight sliding systems

**284L**

Helsinki

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>63</td>
<td>20</td>
<td>24</td>
<td>nylon</td>
<td>100kg</td>
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</tbody>
</table>

**285**

Helsinki

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>63</td>
<td>20</td>
<td>24</td>
<td>nylon</td>
<td>100kg</td>
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</table>

Hanger used for straight sliding systems

## Sales Door Sliding SA

<table>
<thead>
<tr>
<th>916</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wheel</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>30</td>
<td>75</td>
<td>passivated</td>
<td>225kg</td>
<td></td>
</tr>
</tbody>
</table>

**A** - aluminium doors, **T** - timber doors, **SS** - stainless, **G** - galv

**Wheel Weight P/P**

| 916L | 225 | 35 | nylon | 70kg |

**SA** - stainless steel strapbolt and fixing plate

### Industrial

<table>
<thead>
<tr>
<th>53</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Track</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>92</td>
<td>28</td>
<td>37</td>
<td>290</td>
<td>150kg</td>
<td></td>
</tr>
</tbody>
</table>

**Wheel P/P**

| 53K/S | 92 | 28 | 37 | 290 | 150kg |

**Wheel P/P**

| 53K/S | 92 | 28 | 37 | 290 | 150kg |

**Wheel P/P**

| 53A/S | 140 | 44 | 53 | 301 | 400kg |

**Wheel P/P**

| 53C/S | 160 | 44 | 75 | 305 | 700kg |

**Wheel P/P**

<table>
<thead>
<tr>
<th>56</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Track</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>92</td>
<td>28</td>
<td>37</td>
<td>290</td>
<td>150kg</td>
<td></td>
</tr>
</tbody>
</table>

**Wheel P/P**

| 56K/N | 92 | 28 | 37 | 290 | 150kg |

**Wheel P/P**

| 56K/S | 92 | 28 | 37 | 290 | 150kg |

**Wheel P/P**

| 56K/S | 92 | 28 | 37 | 290 | 150kg |

**Wheel P/P**

| 56A/S | 140 | 44 | 53 | 301 | 400kg |

**Wheel P/P**

| 56C/S | 160 | 44 | 75 | 305 | 700kg |

**Wheel P/P**

| 56KN | 92 | 28 | 37 | 290 | 150kg |

**Wheel P/P**

| 56K/S | 92 | 28 | 37 | 290 | 150kg |

**Wheel P/P**

| 56KX/S | 92 | 28 | 37 | 290 | 150kg |

**Wheel P/P**

| 56A/S | 140 | 44 | 53 | 301 | 400kg |

**Wheel P/P**

| 56C/S | 160 | 44 | 75 | 305 | 700kg |

**Wheel P/P**

| 56KN | 92 | 28 | 37 | 290 | 150kg |

**Wheel P/P**

| 56K/S | 92 | 28 | 37 | 290 | 150kg |

**Wheel P/P**

| 56KX/S | 92 | 28 | 37 | 290 | 150kg |
### Components and Accessories

#### Hangers & Brackets

<table>
<thead>
<tr>
<th>Industrial</th>
<th>57 Hangers</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Track</th>
<th>Weight p/p</th>
</tr>
</thead>
<tbody>
<tr>
<td>57K/N</td>
<td>92</td>
<td>28</td>
<td>37</td>
<td>290</td>
<td>150kg</td>
<td></td>
</tr>
<tr>
<td>57K/S</td>
<td>92</td>
<td>28</td>
<td>37</td>
<td>290</td>
<td>150kg</td>
<td></td>
</tr>
<tr>
<td>57KB/S</td>
<td>92</td>
<td>28</td>
<td>37</td>
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<tr>
<td>57A/S</td>
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<td>44</td>
<td>53</td>
<td>301</td>
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<tr>
<td>57C/S</td>
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<td>44</td>
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<th>Body only, see plates below</th>
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<tr>
<td>556/NG</td>
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<tr>
<td>556/S</td>
<td>Steel guide</td>
<td>550</td>
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<tr>
<td>556C/NG</td>
<td>Coastal nylon guide</td>
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<td>556SSS</td>
<td>Full stainless</td>
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#### Brackets

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<tbody>
<tr>
<td>1/280S</td>
<td>30</td>
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<td>40</td>
<td>M6</td>
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</tr>
<tr>
<td>1/290S</td>
<td>30</td>
<td>85</td>
<td>43</td>
<td>M8</td>
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</tr>
<tr>
<td>1/301S</td>
<td>50</td>
<td>119</td>
<td>66</td>
<td>M12</td>
<td>steel</td>
</tr>
<tr>
<td>1/305S</td>
<td>80</td>
<td>170</td>
<td>71</td>
<td>M16</td>
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</tr>
<tr>
<td>1/900</td>
<td>52</td>
<td>58</td>
<td>53</td>
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<th>Material</th>
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<td>3/290S</td>
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<tr>
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<td>M12</td>
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<tr>
<td>3/305S</td>
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<td>97</td>
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<td>M12</td>
<td>steel</td>
</tr>
<tr>
<td>4/305S</td>
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<td>127</td>
<td>69</td>
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<td>4R/290S</td>
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<td>67</td>
<td>M16</td>
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<td>4R/305S</td>
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<th>Material</th>
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<td>5/290S</td>
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<td>103</td>
<td>M10</td>
<td>steel</td>
</tr>
<tr>
<td>5/301S</td>
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<td>141</td>
<td>151</td>
<td>M12</td>
<td>steel</td>
</tr>
<tr>
<td>5/305S</td>
<td>80</td>
<td>190</td>
<td>200</td>
<td>M12</td>
<td>steel</td>
</tr>
<tr>
<td>5/900</td>
<td>50</td>
<td>58</td>
<td>116</td>
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<th>Material</th>
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<tbody>
<tr>
<td>6/290S</td>
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<td>78</td>
<td>67</td>
<td>M8</td>
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<td>6/301S</td>
<td>118</td>
<td>97</td>
<td>197</td>
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<td>steel</td>
</tr>
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<td>Brackets 7</td>
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<td>C</td>
<td>Bolt</td>
<td>Material</td>
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<td>-----------</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>------</td>
<td>----------</td>
</tr>
<tr>
<td>7/280S</td>
<td>30</td>
<td>100</td>
<td>120</td>
<td>M8</td>
<td>steel</td>
</tr>
<tr>
<td>7/290S</td>
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<td>110</td>
<td>159</td>
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</tr>
<tr>
<td>7/301S</td>
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<td>150</td>
<td>210</td>
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<th>C</th>
<th>Bolt</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/550S</td>
<td>50</td>
<td>100</td>
<td>170</td>
<td>M8</td>
<td>steel</td>
</tr>
<tr>
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<td>300</td>
<td>170</td>
<td>M8</td>
<td>steel</td>
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<tr>
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Adjustable soffit fix bracket

<table>
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<tr>
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<th>Material</th>
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<tbody>
<tr>
<td>8/290S</td>
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<td>M8</td>
<td>steel</td>
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<td>120</td>
<td>100</td>
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<td>M12</td>
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<th>B</th>
<th>C</th>
<th>Bolt</th>
<th>Material</th>
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<tbody>
<tr>
<td>4/550A</td>
<td>50</td>
<td>6</td>
<td>170</td>
<td>M8</td>
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Adjustable soffit fix bracket

<table>
<thead>
<tr>
<th>Sahara</th>
<th>A</th>
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<th>C</th>
<th>Bolt</th>
<th>Material</th>
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<tbody>
<tr>
<td>1/13</td>
<td>80</td>
<td>90</td>
<td>150</td>
<td>M16</td>
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<table>
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<th>B</th>
<th>C</th>
<th>Bolt</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/600</td>
<td>50</td>
<td>100</td>
<td>136</td>
<td>M8</td>
<td>comb</td>
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Double run side fix bracket

<table>
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<tr>
<th>Sahara</th>
<th>A</th>
<th>B</th>
<th>C</th>
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<th>Material</th>
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<tbody>
<tr>
<td>2/13</td>
<td>80</td>
<td>84</td>
<td>80</td>
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<td>steel</td>
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<table>
<thead>
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<th>A</th>
<th>B</th>
<th>C</th>
<th>Bolt</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/600</td>
<td>100</td>
<td>6</td>
<td>170</td>
<td>M8</td>
<td>comb</td>
</tr>
<tr>
<td>Drakensberg</td>
<td>6/550</td>
<td>100</td>
<td>6</td>
<td>270</td>
<td>M12 comb</td>
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Double run soffit fix bracket

<table>
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<th>B</th>
<th>C</th>
<th>Bolt</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/13</td>
<td>50</td>
<td>50</td>
<td>52</td>
<td>M8</td>
<td>aluminium</td>
</tr>
<tr>
<td>1BX</td>
<td>70</td>
<td>50</td>
<td>52</td>
<td>M8</td>
<td>aluminium</td>
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X=extended plate

<table>
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<th>B</th>
<th>C</th>
<th>Bolt</th>
<th>Material</th>
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</thead>
<tbody>
<tr>
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Triple run side fix bracket

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<th>B</th>
<th>C</th>
<th>Bolt</th>
<th>Material</th>
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<tbody>
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Triple run soffit fix bracket

<table>
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<th>Side Fix</th>
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<th>B</th>
<th>C</th>
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<th>Material</th>
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<tbody>
<tr>
<td>1R/301S</td>
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<td>80</td>
<td>80</td>
<td>M16</td>
<td>steel</td>
</tr>
<tr>
<td>1R/305S</td>
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<td>80</td>
<td>80</td>
<td>M16</td>
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</tr>
<tr>
<td>1/550S</td>
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<td>80</td>
<td>80</td>
<td>M10</td>
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</tr>
<tr>
<td>1/650</td>
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<th>C</th>
<th>Bolt</th>
<th>Material</th>
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Jointing strip

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<td>281</td>
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<th>B</th>
<th>C</th>
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<tbody>
<tr>
<td>2/550S</td>
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</table>

2/550S bracket made to client specification
Components and Accessories

Guides

162
162
162 light duty guide, adjustable to suit door up to 45mm thick

102N
102N
102N 5.5 nylon

102N/93
102N/93
102N/93 12.7 nylon

104P
104P

104P/89 16 brass
104P/100 19 brass
104PX/89 16 brass
104PX/100 19 brass
x = extended bolt

106HF/93N
106HF/93N

106HF/93N 13 brass
106HF/93N 13 nylon
106HF/94 16 brass
106HF/94N 16 nylon
Finish: brass, galvanised, stainless

106N/93
106N/93

106N/93 13 nylon
106N/94 16 nylon
106R/93 13 brass
106R/94 16 brass
106R/100 19 brass

106EN/94
106EN/94

106EN/94 16 nylon
106ER/94 16 brass

113/81X
113/81X

113/81X 5 nylon

113N/93
113N/93

113N/93 13 nylon
113N/94 16 nylon
113R/93 13 brass
113R/94 16 brass

113N
113N

113N 13 nylon
113N/93 13 nylon
113N/94 16 nylon
113R/93 13 brass
113R/94 16 brass

114N/94B
114N/94B

114N/94 16 nylon
114R/93 13 nylon
114R/94 16 brass
Finish: brass

207/900
207/900

207/900 40 nylon
Finish: galvanised, stainless

203/900
203/900

203/900 40 nylon
Finish: galvanised, stainless

21KR/94N
21KR/94N

21KR/93 13 160 brass
21KR/94 16 160 brass
21KR/94N 16 160 nylon
21R/94 16 100 brass
21R/94N 16 100 nylon

24/25
24/25

24-25 guide nylon
24-25 light duty guide, used with Valencia Double bi-passing system

31S
31S

31S 135 nylon
Finish: galvanised

31C
31C

31D 220 nylon
Finish: galvanised

53/13
53/13

53/13 55 steel
53/99 35 steel
53/900 40 steel
Finish: galvanised

GK GUIDE
GK GUIDE

GateKit 36 nylon

104/13
104/13

104/13 55 steel
104/99 35 steel
104/900 40 steel
Finish: galvanised

TOR/94
TOR/94

TOR/94 15 nylon

Finish:

901/909S 41 short neck
901/909L 41 long neck
901/909H 41 heavy duty

901/919S 41 short neck
901/919L 41 long neck
901/919H 41 heavy duty

902 37 nylon
Finish: black powder coat

902D 37 nylon
Finish: black powder coat

924/93N 13 nylon
924/94N 16 nylon
924/94 16 brass
Finish: galvanised

101 16 brass
101/93 13 brass

104P/89 16 brass
104P/100 19 brass
104PX/89 16 brass
104PX/100 19 brass
x = extended bolt

106HF/93N 13 brass
106HF/93N 13 nylon
106HF/94 16 brass
106HF/94N 16 nylon
Finish: brass, galvanised, stainless

106N/93 13 nylon
106N/94 16 nylon
106R/93 13 brass
106R/94 16 brass
106R/100 19 brass

106EN/94 16 nylon
106ER/94 16 brass

113/81X 5 nylon
113N/93 13 nylon
113N/94 16 nylon
113R/93 13 brass
113R/94 16 brass

113N 13 nylon
113N/93 13 nylon
113N/94 16 nylon
113R/93 13 brass
113R/94 16 brass
## Components and Accessories

### Stops, Pivots & Endcaps

<table>
<thead>
<tr>
<th>Stops</th>
<th>Pivots</th>
<th>Endcaps</th>
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<tbody>
<tr>
<td>28P</td>
<td>289T/HD</td>
<td>506</td>
</tr>
<tr>
<td></td>
<td>289T</td>
<td>516</td>
</tr>
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<td>298T/HD/SS</td>
<td>506BL</td>
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<td>289B</td>
<td>1A/290EC</td>
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<td>289B/HD/SS</td>
<td>290 endcap</td>
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<td>287</td>
<td>21/550P</td>
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<td>21/550P/GR</td>
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<td>AT180S</td>
<td>650/F2/EC</td>
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</tbody>
</table>

### Stops
- **28P** Valencia Stop
- **110N** Helsinki Stop
- **287** Helsinki Stop
- **107** Wall stop with double buffer
- **109** Wall stop
- **109/600** Wall stop
- **AU/STOP/125** Auto door stop

### Pivots
- **289T/HD** Drakensberg pivot set
- **289B/HD/SS** Helsinki bottom pivot set
- **21/550P** Drakensberg pivot set
- **21/550P/GR** Drakensberg glass rail pivot set
- **AT110** Top centre
- **AT110ADJ** Adjustable top centre
- **AT140** Top centre
- **AT180** Floor pivot with bearing 300kg
- **AT180S** Pivot bottom strap

### Endcaps
- **506** Zurich endcap silver PC
- **506BL** Zurich endcap black
- **516** Zurich II endcap black
- **550/EC** Drakensberg endcap
- **555/EC** Magaliesberg pivot set
- **600/EC** Magaliesberg endcap for track only
- **600/F1/EC** Magaliesberg endcap for track and F1 facia (Straight sliding)
- **600/F3/EC** Magaliesberg endcap for track and F3 facia (Folding)
- **650/F1/EC** Waterberg endcap for track and F1 facia (Straight Sliding)
- **650/F2/EC** Waterberg endcap for track and F2 facia (Folding)
**Components and Accessories**

### Endcaps, Hinges & Flush Bolts

#### Glass rail hinge for 97mm glass rail system

**Finish:** Black PC

**Available in:** 304

#### Afrifold butt hinge

**Finish:**
- 722N - Natural Anodised
- 722PG - Pearl Gold
- 722SIL - Silver PC

#### Afrifold sinkless hinge

**Finish:**
- 722S/N - Natural Anodised
- 722S/PG - Pearl Gold
- 722SIL - Silver PC

#### Afrifold butt handle hinge

**Finish:**
- 725N - Natural Anodised
- 725PG - Pearl Gold
- 725SIL - Silver PC

#### Afrifold sinkless handle hinge

**Finish:**
- 725S/N - Natural Anodised
- 725S/PG - Pearl Gold
- 725SIL - Silver PC

#### Viewfold butt hinge

**Finish:**
- 772W - White PC
- 772BZ - Bronze PC
- 772BL - Black PC
- 772N - Natural Anodised

#### Viewfold sinkless hinge

**Finish:**
- 772S/N - Natural Anodised
- 772S/PG - Pearl Gold
- 772SIL - Silver PC

#### Viewfold butt handle hinge

**Finish:**
- 775W - White PC
- 775BZ - Bronze PC
- 775BL - Black PC
- 775N - Natural Anodised

#### Viewfold sinkless handle hinge

**Finish:**
- 775S/N - Natural Anodised
- 775S/PG - Pearl Gold
- 775SIL - Silver PC

#### Aluminium flat shoot

**Finish:**
- 333A/BA - Brushed Anod
- 333A/BL - Black PC
- 333A/BR - Bronze PC
- 333A/MC - Matt Charcoal
- 333A/N - Natural Anodised
- 333A/PG - Pearl Gold
- 333A/SIL - Silver PC

#### Aluminium flat shoot with crank

**Finish:**
- PG - Pearl Gold PC
- BL - Black PC
- BZ - Bronze PC
- W - White PC
- MC - Matt Charcoal PC
- N - Natural Anodised

#### Brass flat shoot

**Finish:**
- 333B - Polished Brass

**Std sizes:**
- 150; 300; 400; 500; 600; 900

**Other sizes to order**

#### Lever action for aluminium doors.

**Std with:**
- 300mm rod & 12mm SS tip

**Finish:**
- 333BL/BL - Black PC
- 333BL/BR - Bronze PC
- 333BL/W - White PC
- 333BL/N - Natural Anodised

#### Lever action for aluminium doors. std with 750mm rod & 12mm SS tip

**Finish:**
- 333ALE/BL - Black PC
- 333ALE/BR - Bronze PC
- 333ALE/W - White PC
- 333ALE/N - Natural Anodised

#### Lever action for aluminium doors. std with 750mm rod & 16mm nylon tip

**Finish:**
- 333AF/BL - Black PC
- 333AF/BR - Bronze PC
- 333AF/W - White PC
- 333AF/N - Natural Anodised

#### Lever action for aluminium doors. std with 750mm rod & ’L’ tip

**Finish:**
- 333AF/BL - Black PC
- 333AF/BR - Bronze PC
- 333AF/W - White PC
- 333AF/N - Natural Anodised

**Note:** Nylon and stainless steel tips are available in 12,16,19mm
### Components and Accessories

#### Flush Bolts, Flush Pulls & Locks

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Finish Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>333DT/W</td>
<td>Double throw lever action for aluminium doors</td>
<td>BL - Black PC, BZ - Bronze PC, MC - Matt Charcoal PC, SIL - Silver PC, W - White</td>
</tr>
<tr>
<td>333AF/K</td>
<td>Double throw tip kit for aluminium doors</td>
<td></td>
</tr>
<tr>
<td>333WF/K</td>
<td>Double throw tip kit for weatherfold doors</td>
<td></td>
</tr>
<tr>
<td>994</td>
<td>Heavy duty flush bolt</td>
<td>Galvanised</td>
</tr>
</tbody>
</table>

#### Flush Pulls

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Material Options</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Material Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>400B</td>
<td>Brass flush pull</td>
<td>400B - Polished Brass, 400SN - Satin Nickel, 400PSS-Polished Stainless Steel, 400SSS - Satin Stainless Steel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Material Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>Oval brass flush pull</td>
<td>400B/0 - Polished Brass, 400SSS/O - Satin Stainless Steel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Material Options</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Material Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>414</td>
<td>Industrial flush pull</td>
<td>414 - Zinc, 414/PSS - Polished Stainless Steel, 414/SSS - Satin Stainless Steel</td>
</tr>
</tbody>
</table>

#### Locks

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Finish Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>402</td>
<td>Ring pull</td>
<td>402/PB - Polished Brass, 402/CP - Chrome Plated, 402/SSS - Satin Stainless, 402/PSS - Polished Stainless</td>
</tr>
<tr>
<td>406</td>
<td>Hold back catch</td>
<td>406/P - Brown</td>
</tr>
<tr>
<td>406P</td>
<td>Hold back catch plastic</td>
<td></td>
</tr>
</tbody>
</table>

#### Sash Window Gear

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Finish Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>813</td>
<td>sash pulley nylon wheel</td>
<td>Brass, Chrome, Stainless Steel, Satin Chrome</td>
</tr>
<tr>
<td>781</td>
<td>Sash pulley</td>
<td>See pg 26 for further combinations</td>
</tr>
<tr>
<td>784SL</td>
<td>Sash lift</td>
<td>Finishes: Brass, Chrome, Stainless Steel, Satin Chrome</td>
</tr>
</tbody>
</table>
## Components and Accessories

### Sash Window Gear & Glass Rail

| 783SF   | 783SF Sash fastener
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Finishes: Brass, Chrome, Stainless Steel, Satin Chrome</td>
</tr>
</tbody>
</table>

| 786SW   | 786SW Sash weight
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Std Sizes: 1/4kg, 1/2kg, 1kg</td>
</tr>
</tbody>
</table>

| 782SP   | 782SP 814SP/BP Sash plate only
|---------|-------------------------------|
|         | 333A/KP Flush bolt keep
|         | 333B/KP Flush bolt keep |

### Glass Rail

<table>
<thead>
<tr>
<th>503</th>
<th>503 Zurich glass rail</th>
</tr>
</thead>
<tbody>
<tr>
<td>503</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>80 Glass rail with 80mm cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitable for 8,10mm glass</td>
</tr>
<tr>
<td>Finishes: Mill, Natural Anodised, Black, Bronze Matt Charcoal &amp; White PC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>80 Glass rail with 100mm cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitable for 8,10mm glass</td>
</tr>
<tr>
<td>Finishes: Mill, Natural Anodised, Bronze PC, White PC</td>
</tr>
</tbody>
</table>

### Glass Seals

#### GS90
- Polycarbonate Glass Seals
- Glass to glass 90°
- Available in 8,10,12mm

#### GS180
- Polycarbonate Glass Seals
- Soft lip & Hard lip
- Glass to glass 180°
- Available in 8,10,12mm

#### GS180 Long Lip
- Polycarbonate Glass Seals Soft lip only
- Glass to glass 180°
- Available in 8mm

#### GSM90
- Polycarbonate Glass Seals
- Magnetic glass seal 90°
- Available in 8, 10mm

#### GSM135
- Polycarbonate Glass Seals
- Magnetic glass seal 135°
- Available in 8,10mm

#### GS/AU/E
- Polycarbonate Glass Seals
- Glass seal with woolpile port edge
- Available in 10,12mm

#### GS/AU/S
- Polycarbonate Glass Seals
- Glass seal with woolpile port side
- Available in 10,12mm

#### GSM180
- Polycarbonate Glass Seals
- Designed for 180° glass seals
- Available in 8, 10mm
## Components and Accessories

### Hollow Core Doors (40mm thick)

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Kg/door</th>
</tr>
</thead>
<tbody>
<tr>
<td>2032 mm x 610 mm</td>
<td>12.00</td>
</tr>
<tr>
<td>2032 mm x 762 mm</td>
<td>13.10</td>
</tr>
<tr>
<td>2032 mm x 813 mm</td>
<td>14.10</td>
</tr>
</tbody>
</table>

### Steel Sheets & Cladding

<table>
<thead>
<tr>
<th>Material</th>
<th>Thickness</th>
<th>Kg/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel sheet</td>
<td>0.50</td>
<td>3.93</td>
</tr>
<tr>
<td>Steel sheet</td>
<td>0.60</td>
<td>4.71</td>
</tr>
<tr>
<td>Steel sheet</td>
<td>0.80</td>
<td>6.28</td>
</tr>
<tr>
<td>Steel sheet</td>
<td>1.00</td>
<td>7.85</td>
</tr>
<tr>
<td>Steel sheet</td>
<td>1.20</td>
<td>9.42</td>
</tr>
<tr>
<td>Steel sheet</td>
<td>1.60</td>
<td>12.56</td>
</tr>
<tr>
<td>Steel sheet</td>
<td>2.00</td>
<td>15.70</td>
</tr>
<tr>
<td>Steel sheet</td>
<td>2.50</td>
<td>19.66</td>
</tr>
<tr>
<td>Steel sheet</td>
<td>3.00</td>
<td>23.56</td>
</tr>
<tr>
<td>Steel cladding</td>
<td>0.50</td>
<td>5.03</td>
</tr>
<tr>
<td>Steel cladding</td>
<td>0.60</td>
<td>5.98</td>
</tr>
<tr>
<td>Steel cladding</td>
<td>0.70</td>
<td>6.90</td>
</tr>
<tr>
<td>Steel cladding</td>
<td>0.90</td>
<td>8.82</td>
</tr>
</tbody>
</table>

### Semi-Solid Doors (40mm thick)

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Kg/door</th>
</tr>
</thead>
<tbody>
<tr>
<td>2032 mm x 762 mm</td>
<td>25.30</td>
</tr>
<tr>
<td>2032 mm x 813 mm</td>
<td>27.00</td>
</tr>
</tbody>
</table>

### Solid Doors (40mm thick)

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Kg/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>2032 mm x 762 mm</td>
<td>45.00</td>
</tr>
<tr>
<td>2032 mm x 813 mm</td>
<td>50.00</td>
</tr>
</tbody>
</table>

### Softwood Doors - FL & FB

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Kg/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 mm finished thickness</td>
<td>13.80</td>
</tr>
<tr>
<td>44 mm finished thickness</td>
<td>17.10</td>
</tr>
<tr>
<td>57 mm finished thickness</td>
<td>21.97</td>
</tr>
<tr>
<td>70 mm finished thickness</td>
<td>27.34</td>
</tr>
</tbody>
</table>

### Chipboard, Hardboard, Plywood

<table>
<thead>
<tr>
<th>Material</th>
<th>Kg/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>3mm thick standard hardboard</td>
<td>3.50</td>
</tr>
<tr>
<td>3mm thick duo faced hardboard</td>
<td>4.00</td>
</tr>
<tr>
<td>6mm thick plywood</td>
<td>3.60</td>
</tr>
<tr>
<td>12mm thick acoustic board</td>
<td>4.00</td>
</tr>
<tr>
<td>18mm thick chipboard</td>
<td>2.00</td>
</tr>
<tr>
<td>25mm thick blockboard</td>
<td>12.20</td>
</tr>
</tbody>
</table>

### Solidwoods & Hardwoods

<table>
<thead>
<tr>
<th>Material</th>
<th>Kg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ash</td>
<td>704.90</td>
</tr>
<tr>
<td>Beech</td>
<td>736.90</td>
</tr>
<tr>
<td>Mahogany</td>
<td>640.80</td>
</tr>
<tr>
<td>Maple</td>
<td>752.90</td>
</tr>
<tr>
<td>Meranti</td>
<td>722.00</td>
</tr>
<tr>
<td>Oak</td>
<td>769.00</td>
</tr>
<tr>
<td>Pine</td>
<td>656.80</td>
</tr>
<tr>
<td>Teak</td>
<td>720.90</td>
</tr>
</tbody>
</table>

### Aluminium, Glass & Lead Sheets

<table>
<thead>
<tr>
<th>Material</th>
<th>Thickness</th>
<th>Kg/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium sheet</td>
<td>1.2</td>
<td>3.25</td>
</tr>
<tr>
<td>Aluminium sheet</td>
<td>1.6</td>
<td>4.33</td>
</tr>
<tr>
<td>Aluminium sheet</td>
<td>2.0</td>
<td>5.40</td>
</tr>
<tr>
<td>Glass sheet</td>
<td>4.0</td>
<td>10.00</td>
</tr>
<tr>
<td>Glass sheet</td>
<td>6.0</td>
<td>15.00</td>
</tr>
<tr>
<td>Glass sheet</td>
<td>12.0</td>
<td>30.00</td>
</tr>
<tr>
<td>Lead sheet</td>
<td>2.0</td>
<td>22.70</td>
</tr>
<tr>
<td>Lead sheet</td>
<td>2.5</td>
<td>28.40</td>
</tr>
<tr>
<td>Lead density</td>
<td></td>
<td>11340Kg/m³</td>
</tr>
</tbody>
</table>

### Steel Flat Bar

<table>
<thead>
<tr>
<th>Material</th>
<th>Kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 mm x 5 mm</td>
<td>1.60</td>
</tr>
<tr>
<td>40 mm x 8 mm</td>
<td>2.50</td>
</tr>
<tr>
<td>50 mm x 5 mm</td>
<td>2.00</td>
</tr>
<tr>
<td>50 mm x 6 mm</td>
<td>2.40</td>
</tr>
<tr>
<td>50 mm x 12 mm</td>
<td>4.70</td>
</tr>
<tr>
<td>50 mm x 16 mm</td>
<td>6.30</td>
</tr>
<tr>
<td>50 mm x 20 mm</td>
<td>7.90</td>
</tr>
<tr>
<td>80 mm x 6 mm</td>
<td>3.80</td>
</tr>
<tr>
<td>100 mm x 6 mm</td>
<td>4.70</td>
</tr>
<tr>
<td>100 mm x 8 mm</td>
<td>6.30</td>
</tr>
</tbody>
</table>

### Equal Angles

<table>
<thead>
<tr>
<th>Material</th>
<th>Kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 mm x 25 mm x 3 mm</td>
<td>1.10</td>
</tr>
<tr>
<td>40 mm x 40 mm x 3 mm</td>
<td>1.80</td>
</tr>
<tr>
<td>40 mm x 40 mm x 5 mm</td>
<td>2.90</td>
</tr>
<tr>
<td>50 mm x 50 mm x 5 mm</td>
<td>3.70</td>
</tr>
<tr>
<td>50 mm x 50 mm x 8 mm</td>
<td>5.80</td>
</tr>
<tr>
<td>60 mm x 60 mm x 6 mm</td>
<td>5.40</td>
</tr>
<tr>
<td>100 mm x 100 mm x 10 mm</td>
<td>17.80</td>
</tr>
</tbody>
</table>

### Unequal Angles

<table>
<thead>
<tr>
<th>Material</th>
<th>Kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td>65 mm x 50 mm x 6 mm</td>
<td>5.20</td>
</tr>
<tr>
<td>75 mm x 50 mm x 6 mm</td>
<td>5.60</td>
</tr>
<tr>
<td>100 mm x 65 mm x 8 mm</td>
<td>9.90</td>
</tr>
<tr>
<td>100 mm x 75 mm x 10 mm</td>
<td>13.00</td>
</tr>
</tbody>
</table>

### Channels

<table>
<thead>
<tr>
<th>Material</th>
<th>Kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td>76 mm x 38 mm x 5.1 mm</td>
<td>6.70</td>
</tr>
<tr>
<td>100 mm x 50 mm x 6.0 mm</td>
<td>10.60</td>
</tr>
<tr>
<td>120 mm x 55 mm x 7.0 mm</td>
<td>13.40</td>
</tr>
<tr>
<td>152 mm x 76 mm x 6.4 mm</td>
<td>17.90</td>
</tr>
<tr>
<td>160 mm x 85 mm x 7.5 mm</td>
<td>18.80</td>
</tr>
<tr>
<td>200 mm x 75 mm x 8.5 mm</td>
<td>25.30</td>
</tr>
<tr>
<td>220 mm x 80 mm x 9.0 mm</td>
<td>29.40</td>
</tr>
<tr>
<td>240 mm x 85 mm x 9.5 mm</td>
<td>33.20</td>
</tr>
</tbody>
</table>

### Square Tubes

<table>
<thead>
<tr>
<th>Material</th>
<th>Kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 mm x 20 mm x 1.6 mm</td>
<td>0.90</td>
</tr>
<tr>
<td>20 mm x 20 mm x 2.0 mm</td>
<td>1.10</td>
</tr>
<tr>
<td>40 mm x 40 mm x 1.6 mm</td>
<td>1.90</td>
</tr>
<tr>
<td>40 mm x 40 mm x 2.0 mm</td>
<td>2.40</td>
</tr>
</tbody>
</table>

---

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