Roller Shutter Systems

1. Introduction - What is a Tambour Door?
   - Where and why is it used?

2. Roller Shutter System Information & Componentry

1. Introduction

Tambour Doors, or Roller Shutters are used in Kitchens, Office and Domestic Furniture, Shopfitting, Caravan/Campervans and many other applications. They provide a functional and efficient alternative to conventional doors.

Tambour Doors maintain the aesthetics and security of hinged or sliding doors, but also offer greater accessibility and space-saving.

Clear, unobstructed access without impacting on usable adjacent space is unique to the Tambour Door unit, whether it be a floor or overhead cabinet.
Floorspace Comparison

1. Conventional hinged door cabinets (typically 1-2 doors/cabinet):
   * Home/Domestic sector: Kitchen, bathroom, living room and bedroom furniture
   * Commercial sector: Shopfitting display/dispensing cabinets, Office furniture storage and filing
   * Leisure/Recreational sector: Caravans, Campervans, Mobile Homes – Floor/Overhead cupboards

2. Sliding door cabinets (typically 2 doors):
   * Home/Domestic sector: Bedroom furniture, bathroom/laundry, general storage cupboards
   * Commercial sector: Office furniture, storage/display cabinets
   * Leisure/Recreational sector: Caravans, Campers, Mobile/Transportable Homes

3. Roller Shutter cabinets with horizontal or vertical doors:
   * Home/Domestic sector – Tambour Doors offer strong advantages in all these applications.
   * Commercial sector – Tambour Doors offer ease of access and design/colour advantages.
   * Leisure/Recreational sector – Tambour Doors are light-weight, rigid and OHS-safe.
## Floor Space Comparison

Roller Shutters - maximise usable space inside the cabinet  
- maximise floorspace adjacent to the cabinet

<table>
<thead>
<tr>
<th>Opening System</th>
<th>Hinged door 2 doors 1200x400x1913</th>
<th>Sliding door * 2 doors 1200x467x1913</th>
<th>Roller shutter 2 doors 1200x400x1913</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Area</td>
<td>0.48m²</td>
<td>0.56m²</td>
<td>0.48m²</td>
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<tr>
<td>Opening</td>
<td>100%</td>
<td>48%</td>
<td>100%</td>
</tr>
<tr>
<td>Space for opening</td>
<td>0.71m²</td>
<td>0.24m²</td>
<td>0.24m²</td>
</tr>
<tr>
<td>Space for walk through</td>
<td>0.60m²</td>
<td>0.60m²</td>
<td>0.60m²</td>
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<tr>
<td>Space requirement m²</td>
<td>1.79m²</td>
<td>1.40m²</td>
<td>1.32m²</td>
</tr>
<tr>
<td><strong>Space requirement %</strong></td>
<td><strong>136%</strong></td>
<td><strong>106%</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

### Diagrams

1. Conventional hinged door cabinet  
2. Sliding Door Cabinet  
3. Roller Shutter cabinet
2. Roller Shutter System

The basic principle is simple... the individual tambour slats slide together to form the Shutter ‘Mat’, which glides in a track system. In a timber cabinet, the track is fixed within a routered groove, while in a metal cabinet, the track is fixed to the metal surface.

Routered in (Cabinet carcass is routered to fit track into the groove).

Surface (Top) Mounted (Track is simply fixed to the surface of the board/panel).
2. Roller Shutter System:

The construction of a Roller Shutter or Tambour Door consists of the basic parts which are designed to fit and interact together very simply.

For specific designs or applications, there is also a range of options and extras which can customise the appearance and action of the Tambour.
Surteco offers the complete system:

- Roller Shutter Slats – individual slats fit together seamlessly
- Roller Shutter Mat – option of pre-assembled ‘mats’ – custom-made to your size
- Pelmet/Lisene – colour-matched cover profile for cabinet top / sides
- Lockbars – aluminium, plastic or colour-matched combination.
- Gliders/Middle Grips/Centre Stops – enhancing smooth action and ease of use
- Running Tracks – Straight / 90°Corner / Custom Bent
- Large and Small Snails – efficient space-saving design
- Stock Colour Range – also made-to-order options (min. order quantities apply)
Vertical Opening Doors

- In this application, the Roller Shutter door opens in a vertical direction (e.g. tall filing cabinet/bookcase).
- The shutter slats are at right angles to the direction of travel and the tambour door opens upwards in the cabinet. The track is fixed into the left/right side of the cabinet.
- Design options include the track returning behind a false cupboard back (Dia. 1) or winding up via a moulded spiral ‘snail’ (Dia. 2). Timber cabinets use standard track in a routered groove. Metal cabinets use ‘top-mounted’ track fixed to the metal surface.

1. Track running behind false back – using straight track with 90deg corners.
2. Track running into ‘snail’, enclosed by false inside top.
Horizontal Opening Doors
- In this application, the Roller Shutter Door opens in a horizontal direction (e.g. floor cabinet or credenza) with slats at right angles to the direction of travel.
- There are several design options:
  1. Single shutter – one false end/one false back panel.
  2. Single shutter with ‘Snail’ – one false end with ‘snail’ (moulded one-piece spiral track).
  3. Two separate shutters - open from the middle, with false end on either side and a false cupboard back (if required).
  4. Two separate shutters with ‘Snails’ - open from the middle with ‘snails’ behind both false end panels.
8mm System Components:
Shutter Slat:

**DUO 15/8**

- **Slat length:** 2900mm
- **Slat width:** 30mm Cover
- **Radius:** minimum 35mm
- **Main use:** kitchens, general cabinets
- **Colours:** Silver (#700146), White (#700275), Charcoal (#700402)
8mm System Components:

Lockbar / Handle Options:

* Flush PP Lockbar
  Silver (#700102)
  2.9m lengths
  (PP plastic)

* Fingerpull
  Silver (#700138): White (#700139)
  2.9m lengths

* Mid-Grip
  Silver (#700324): Charcoal (#700406)
  2.9m lengths
8mm System Components:

Roller Shutter Track is designed to promote smooth, quiet travel of the shutter, along straight sections and through corners.

- 8mm Track is available in straight lengths, 90 degree corners and also made-to-order custom-bent track sections.
- Injection moulded ‘snails’ are also available for cabinets where the track is designed to wind-up at one end.
8mm System Components:

Running Track

8mm Track — 2.9m straight lengths (for routered groove)
-Black (#700332)

8mm Track - Corner - 90° Corner 150mm x 150mm
-Black (#700333) - (for routered groove)
8mm System Components

Centre Stop

Located centrally in the track – used with horizontally opening doors. Allows for two shutters to meet centrally or in a designated position.

Centre Stops can also be used as End Stops, which terminate shutter travelling past a designated point.
8mm System Components:
Custom Bent Corners – made-to-order

Surteco offers the unique one piece custom bent track, made to specified length and corner radius. This allows fast efficient fitting into the routered groove in one piece and promotes smooth, quiet operation. Note: Subject to minimum order quantity and quoted lead time.

8mm 90 ° Corner – Black (for routered groove)
Length up to 1450mm (#700172)
Length up to 2900mm (#700176)

8mm 180 ° Corner – Black (for routered groove)
Length up to 1450mm (#700173)
Length up to 2900mm (#700177)

8mm 270 ° Corner – Black (for routered groove)
Length up to 1450mm (#700174)
Length up to 2900mm (#700178)

8mm 450 ° Corner – Black (for routered groove)
Length up to 1450mm (#700175)
Length up to 2900mm (#700179)
8mm System Components:
Snail Track (moulded pieces)

8mm Snail (Small/Left)
- Used for shutter mats up to 695mm wide
  — Black (#700028)

8mm Snail (Small/Right)
- Used for shutter mats up to 695mm wide
  – Black (#700027)

8mm Snail Track
Black (#700020)

8mm Centre Stop – suit Snail Track (#700029)

Snail Tracks are used with specially designed Snail Track, which provides flush joins for smooth noise-free shutter travel.
12mm System Components
Shutter Slat:

**DUO 30/11**

- **Slat length:** 2900mm
- **Slat width:** 30mm / element-60mm overall
- **Radius:** minimum 60mm
- **Main use:** Commercial, wooden / steel cabinets
- **Material:** Frictionless gliding achieved through using polypropylene
- **Colours:** Silver R711 (#700378), White R436 (#700386), Charcoal R437 (#700401) Translucent (#700423)
2. 12mm System Components:
   Lockbar / Handle Options:

![Diagram](image)

30mm Aluminium Lockbar
(#700297)
- Available in 2.9m lengths

30mm Lockbar Cover
- Silver (#700259)
- White (#700257)
- Charcoal (#700258)
- Available in 2.9m lengths

Gliders to suit
30mm Lockbar
(#700213)

or

48mm Aluminium Lockbar
(#700098)
- Available in 2.9m lengths

48mm Lockbar Cover
- Silver (#700099)
- White (#700100)
- Charcoal (#700101)
- Available in 2.9m lengths

Gliders to suit
48mm Lockbar
(#700051)

48mm Aluminium Pull-Handle
- Silver (#700218) - Foil wrapped
- Available in 2.9m lengths

Pull-Handle Glider
(#700219)

= Complete 30mm Lockbar

= Complete 48mm Lockbar

= 48mm Pull-Handle Profile
12mm System Components

Running Track

- **12mm Track (for routered groove)**
  - Black (#700330)
  - Available in 2.9m lengths

- **12mm Track (‘Top Mount’ for metal cabinets)**
  - Black (#700328)
  - Available in 2.9m lengths

- **12mm 90° Corner 150x150mm (for routered groove)**
  - Black (#700331)

- **12mm 90° Corner 150x150mm (‘Top Mount’ for surface mounting on cabinets)**
  - Black (#700137)
12mm System Components: Custom Bent Corners – made-to-order

Surteco offers the unique service of one piece custom bent track, made to specified length and corner radius. This allows fast efficient fitting into routered groove in one piece. Note: Subject to minimum order quantity and quoted lead time.

12mm 90 ° Corner – Black (for routered groove)
Length up to 1450mm (#700168)
Length up to 2900mm (#700164)
Top Mount (for metal cabinets)
Length up to 1450mm (#700329)
Length up to 2900mm (#700147)

12mm 180 ° Corner – Black (for routered groove)
Length up to 1450mm (#700169)
Length up to 2900mm (#700165)
Top Mount (for metal cabinets)
Length up to 1450mm (#700152)
Length up to 2900mm (#700148)

12mm 270 ° Corner – Black (for routered groove)
Length up to 1450mm (#700170)
Length up to 2900mm (#700166)
Top Mount (for metal cabinets)
Length up to 1450mm (#700153)
Length up to 2900mm (#700149)

12mm 450 ° Corner – Black (for routered groove)
Length up to 1450mm (#700171)
Length up to 2900mm (#700167)
Top Mount (for metal cabinets)
Length up to 1450mm (#700154)
Length up to 2900mm (#700150)
12mm System Components

Centre Stop

Located in the track of a cabinet at the point where the shutters meet. This is generally at the centre, where the horizontally opening shutters meet, or at a specified point, according to the design of the cabinet. This Centre Stop is suitable for both routered track and snail tracks.

12mm Centre Stop
(for routered and snail track)
Black (#700024)

12mm Centre Stop
(for Track / Snail Injection Moulded section (Steel Cabinets)
Black (#700237)
12mm System Components:

Snail Track (moulded pieces) – for Routered groove

A one-piece moulded component designed to fit perfectly into routered section of board. Specially designed interlocking straight track is also available for use with snails. This creates a flush joint and promotes smooth, noise-free shutter travel. Depending on design needs, snails are an alternative to custom bent track.

12mm Large Snail Left - Black (#700044)
12mm Large Snail Right - Black (#700045)

12mm Small Snail Left - Black (#700052)
12mm Small Snail Right - Black (#700043)

12mm Black Snail Track (#700021)
12mm Roller Shutter System
Moulded Track & Snail - for Metal Cabinets

Injection-moulded interlocking parts

12mm Snail Corner Left
- Black (#700234)
- Top Mount

12mm Snail Corner Right
- Black (#700233)
- Top Mount

12mm Moulded Track - Left
- Black (#700236)
- Top Mount

12mm Moulded Track - Right
- Black (#700235)
- Top Mount
Roller Shutter Systems

Additional Accessories

Pelmet: (sometimes referred to as Lisene) is an optional cover mould, located at the sides or top of the cabinet to cover where the roller shutter mat moves through the corner and out of sight. Pelmets enhance the appearance of the cabinet, but are also practical in preventing dust or foreign objects lodging between the panel and the shutter.

Pelmet (with Barb)
- Silver (#700105)
- White (#700106)
- Charcoal (#700107)
- Available in 2.9m lengths
- Suits both 8mm & 12mm system

Reinforced Tape (#700032)
- Clear, Fibreglass-reinforced tape, affixes to the back of the shutter mat
- Enhances smooth, uniform shutter travel, shutter rigidity and reduces noise.

Magnetic Strip (#700336)
- Suits lockbars #700098 / #700297
- 100m Rolls
- Assists aluminium lockbars to close perfectly and also acts as ‘dust-seal’.

Shutter Glider – suit 8mm (#700417)
- Suits 8mm shutter slats.
- Reduces friction and enhances smooth shutter travel in the track.

Shutter Glider – suit 12mm (#700418)
- Suits 12mm Shutter slats
- Reduces friction and enhances smooth shutter travel in the track.
Features / Benefits

Surteco Roller Shutter Systems offer a range of exclusive features:

✓ **Polypropylene (PP) Shutters**
  ✓ low noise, low-friction
  ✓ high rigidity
  ✓ lightweight

✓ **‘FF’ Surface Finish (hard wearing UV-cured melamine)**
  ✓ superior scratch / abrasion resistance
  ✓ enhanced colour-fastness (UV protected)
  ✓ uniform colour-consistency across the shutter
  ✓ matching parts (lockbars, handles, pelmets etc)

✓ **Environmentally Safe**
  ✓ LGA Nuremberg tested-no harmful incineration emissions
  ✓ Polypropylene is Chlorine free
  ✓ Recyclable – trouble free disposal
  ✓ Resistant to substances in accordance with DIN 68 861
Surteco Roller Shutter -
Check the Benefits:

- Impressive style at reasonable cost
- Space saving - efficient use of limited space
- Exceptional quality, great design options
- Environmentally responsible
- OH&S – rounded components offer safety benefits
- Simple to install
- Horizontal / vertical applications offer design flexibility
- Designer colours (uni-colour, woodgrain, abstract options)
- Range of shutter-slat profiles and sizes
- Customise with matching accessories
- Readily available – immediate delivery
Colour Options

In addition to the Surteco stock range, custom solid colour, wood grain finish, & designer effects are also possible.

- Custom decors can be created*
- Access to wide variety of colours from the Surteco Design Library
- Bold contrast options, designer matches or abstracts – you decide!

*MOQ’s apply