

## Chutes & Glacis

### Application

Straight chutes, curved chutes and glacis are used throughout baggage handling systems to perform a multitude of functions. These include:

- Sortation chute fed from Tilt Tray or similar sorting device.
- Late 'bag drop' at boarding gate.
- Temporary storage device.
- Vertical downward transportation of bags between floor levels.

### Chutes & Glacis

**Straight Chutes:** Daifuku Logan straight chutes are designed to handle a wide range of product and convey them in a controlled manner whilst causing the minimum disruption to baggage flow.

**Glacis:** Daifuku Logan glacis are similar in design to our straight chutes but are capable of giving an optimum amount of storage area combined with the most effective use of floor space.

**Spiral Chutes:** Daifuku Logan spiral chutes are designed with the same principals in mind as straight chutes but have the added advantages of being able to accept multiple inputs into the same chute within a limited floor space. They have also been designed and profiled to allow product to 'self start' from any position along the chute

**Specific Chutes:** Daifuku Logan also offer a range of specialised chutes, designed to perform specific tasks or functions within baggage handling systems. Such examples include 'Petty Wheel' transition chutes, gated chutes, dual output chutes, etc.



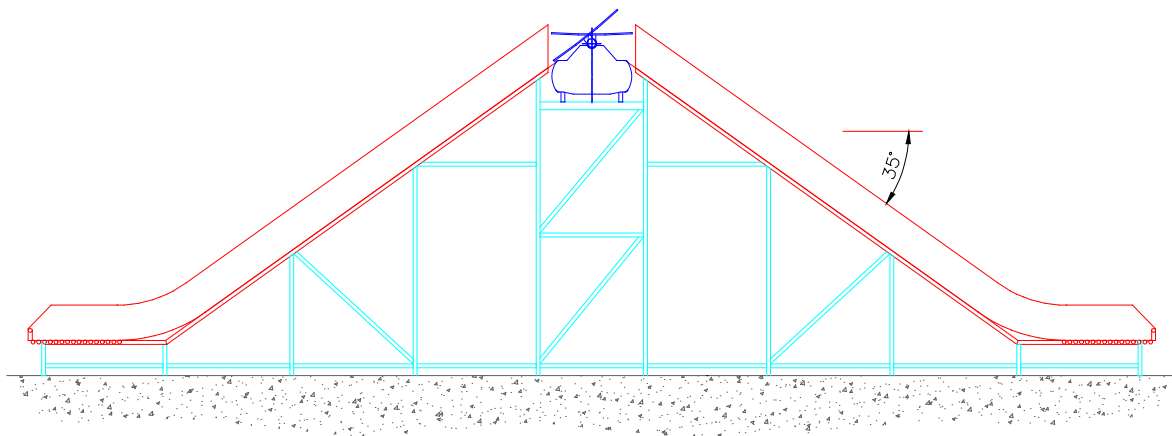
Features	Application Benefits
<b>General</b>	
Profiled Entry / Exit Sections	Allows chutes to be fed by or to feed most types of conveyor or sorting device
High Storage Capacity	Chutes or Glacis can eliminate the need for Early Bag storage lanes within a BHS
Specialised Coatings or Materials	Controls the flow of products down the chute, even with differing product finishes
Space Saving Abilities	Chutes or glacis usually present an effective solution were other products will be too complex or will not fit.
Low Maintenance	No moving parts removes the need for sustained maintenance
Specific Designs	Chutes and Glacis are designed to suit individual products and customer requirements
<b>Straight Chutes &amp; Glacis</b>	
Compact Chute Spacing	Optimum number of destination chutes within limited floor space
Variable Angle of Decent	High decent rate with smooth and controlled run-out
<b>Spiral Chutes</b>	
Profiled Bed Plate	Controls speed and flow of product down the chute
Multiple Inputs	Allows two tiers (or more) of sortation devices
Self Start	Product stopped on the chute, from accumulation, will start decent by gravity alone

## Chutes & Glacis – General Description

### Straight Chutes & Glacis

Straight Chutes are custom designed to suit the product and application. However, the design reflects proven chute practices based upon many years of experience within the industry. Chutes may be constructed from a range of materials, having bedplates from either, Stainless Steel, Mild Steel, Wood, Plastic, Rollers or a combination of the above materials.

The chute length, total fall in height, angle of decent (or combined angles for complex chutes) and chute width are custom designed to fit within the working area whilst being designed to convey the product in the safest manner. Glacis are essentially wide straight chutes, in which a number of sorts can be performed to the single work surface. These sorts are generally spread across a longer chute surface, generally from 3 metres wide to the maximum space available within the working area. All the design variations that are available for straight chutes are also available to Glacis.



### Spiral Chutes

Spiral chutes are produced to a choice of bed profiles, which can be either Safeglide or Daifuku Logan curved profile. Chutes may be manufactured from Stainless Steel, Mild Steel or GRP (Glass Reinforced Plastic). Where Mild Steel and GRP chutes are used it is common to apply a low friction coating to the chute surface to assist the self starting properties of the chutes. The chute radius and pitch of fall may be varied to suit the product being conveyed and the specific installation within which the chute is being installed.

