



**ANSIR
SYSTEMS**

Overlapping Slat Carousel Tech Specs



ansir.com.au



+61 (03) 9768 3303



sales@ansir.com.au



6 Latchford Rd
Cranbourne West VIC 3977
Australia



Function

The carousel is designed to recirculate baggage on a continuous basis until it is removed from the conveyor. The overlapping slat carousel can be used as an arrivals carousel or make-up loop. Whilst the design of the conveyor modules has been standardised, it allows for many different configurations of length and top of belt height to suit different applications.

Features

- Lightweight and innovative construction.
- Glass reinforced composite drive chain.
- Reduced energy consumption.
- Recyclable materials.
- Flame retardant slats.
- Low Noise (friction drive).
- No tools required for slat installation or removal.
- Large support wheel for low noise and long life.
- Low Maintenance and efficient drive unit (no lubrication needed)
- Modular Construction.
- Long Life.
- Modular components provide flexibility in design.

Arrivals Reclaim Carousel

- Typically, 410mm (top of slat) in height to allow for easy removal of baggage. Stainless steel clad in passenger area.

Departures Make-up Carousel

- Located airside. Typically 600 mm to 800 mm in height to allow for easy unloading of baggage into / onto a container / trailer. Galvabond or powder coated finish.

Technical Specifications

General | Product

Live Load (Peak)

150 kg/m

Static Load (Max)

270 kg/m

Noise Level

59dB(A)

Standard Speed

0.3 m/s to 0.5 m/s (30 m/minute)

Slats

Flame retardant

Slat Width

1000mm

Technical | Mechanical and Electrical

Support Wheel

98mm

Centre Wheel

98mm

Drive

Friction Drive

Motor Gearbox

Nord / SEW

Number of Drives

Based on carousel length – additional redundant motor and drive optional

Safety System

Emergency stop buttons and housings (included as part of SS trim section in public areas)

Power Requirements

3-phase voltage to suit site requirements

Trim

Stainless steel (public area). Galvanised or powder coated mild steel (air side)

Frame

- Cross members 5mm mild steel
- Side channels 3mm mild steel

Carriage

Mild steel powder coated

Chain Link

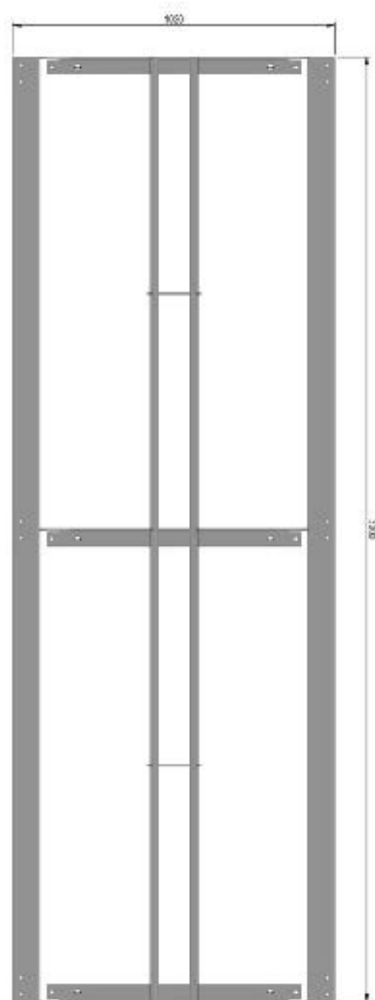
Made from glass reinforced composite. Each individual link has a cam adjustment take up of 5mm negating the need for site cut frame sections at installation.

Top Cover / Infill

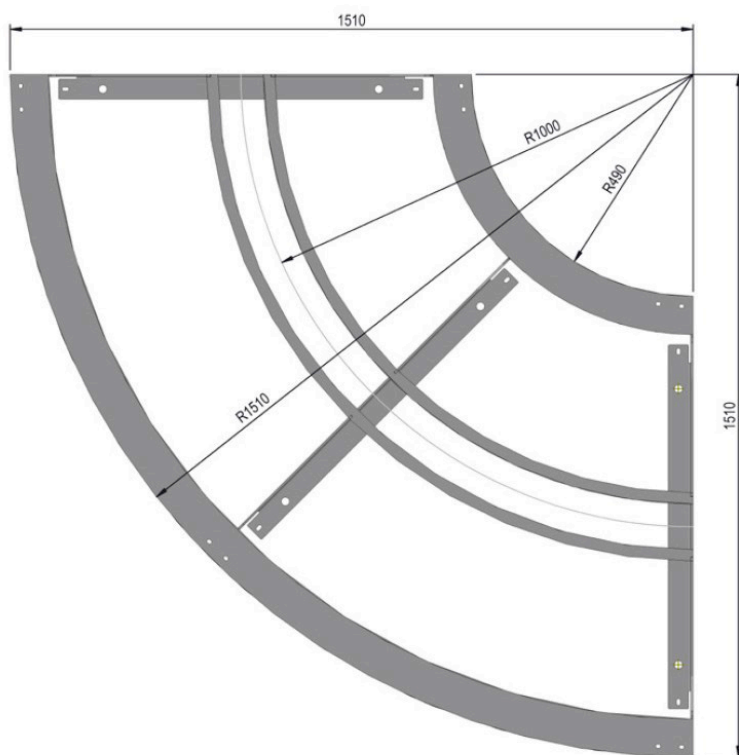
Optional—To suit airport specifications

General Dimensions

Straight Section module

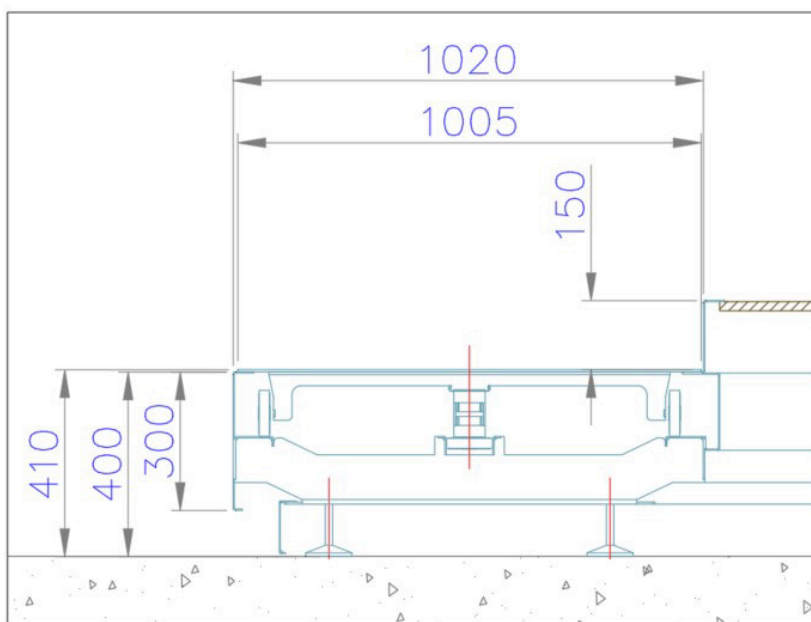


Curve Module



General Dimensions

Cross Section



Standard Configuration

