

Twin tracks : 2400 Series

Description

Twin tracks 2400 series is a motorized handling system for heavy loads. It is made of parallel rails including one for the chain and the second for trolleys which carry the loads. The chain which receives the overriding dogs may be located indifferently to the right or left of trolley track. The juxtaposition of both tracks has a great advantage about the low height of the system. Twin tracks conveyors from CONVOYNORT have for main characteristic the high simplicity of drive and accumulation processes.



Specifications

Trolleys rail section height 120mm x width 100mm x thickness 6mm

Chain rail section height 68mm x width 60mm x thickness 4mm

The cardan chain of the twin tracks 2400 series is identical to the chain used on monorail 1000 series.

The chain is fitted with horizontal and vertical bearings, mechanical parts and forged parts. Trolleys are fitted with horizontal and vertical bearings and/or side guides.

Curves or bends of twin tracks conveyor are arched sections. They require no idler wheel, no carrier or rotation guide, which eases the maintenance.

Accumulation and drive principle are very simple. The retraction of the overriding dogs of the conveyor chain does not require any spring, clutch or tie rod.

Maximum temperature 250°C.

Maximum weight per trolley : 1000 KG

Components

- | | |
|--------------------|------------------------------------|
| + Track | + Switch |
| + Horizontal curve | + Adressable carrier |
| + Rotation | + Lifting station |
| + Lubrication unit | + Manual or automatic tension unit |
| + Stop station | + Straight or wheel drive unit |

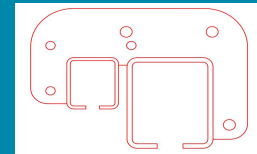
The CONVOYNORT's P&F conveyor 2400 series is a motorized handling system which may include manual areas (See manual monorail - 400 series) . Inside the same conveyor installation, different speeds for pieces moves can be organized according to the needs. Based on the length of the route and the total carried load, the chain conveyor may receive one or several drive units.

Assembly conveyor

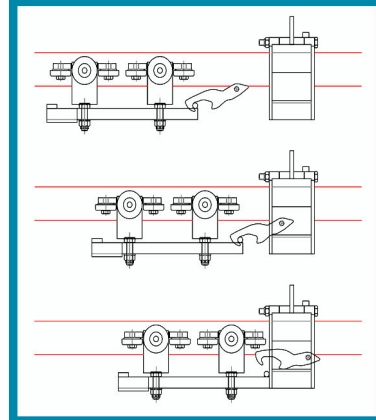
As for all CONVOYNORT conveyors, delivered components will be assembled on site to each other by bolting, according to the provided assembly drawing. Thus, the assembly time of the aerial conveyor is reduced.

INFORMATION

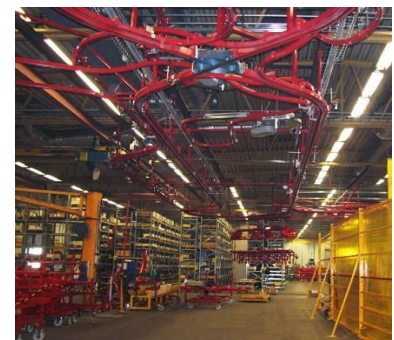
Side section view of twin tracks.



Below, principle of stop station process for twin tracks conveyor.



Realizations



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