Interroll Dynamic Storage CoE

Carton Wheel Flow – Floway II

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CARTON WHEEL FLOW FLOWAY 2

Carton flow bed presentation

Maxi load: 200kg/m²

max. cantilever on loading*:200 mm
*500 mm on demand

Adjustable drop-out tray

15° drop-out tray

5° drop-out tray

Standard bed with end stop

Fits easily in any racking with universal connectors

32mm in std – 23mm in option

max. cantilever on unloading: 500 mm
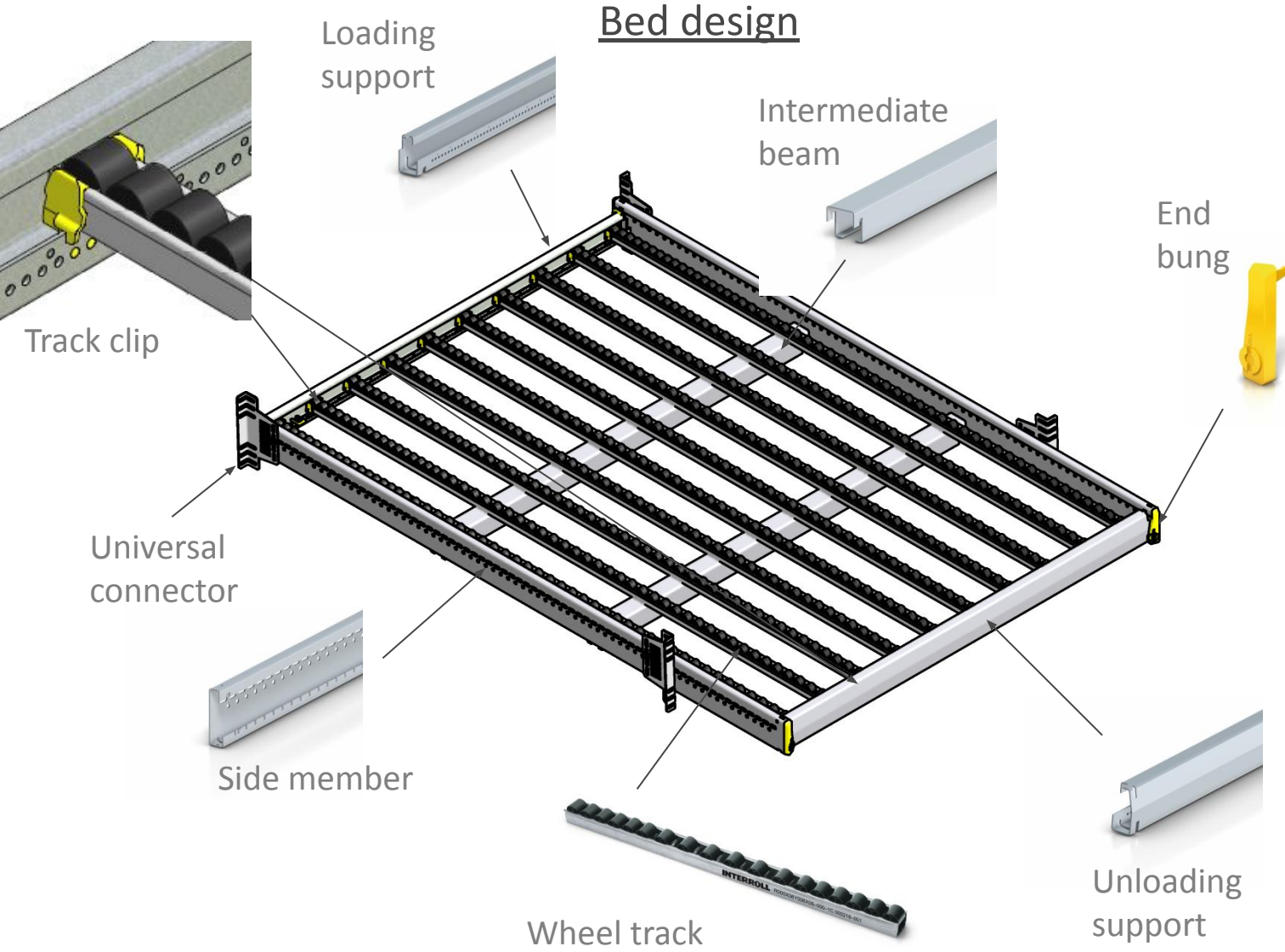
CARTON WHEEL FLOW FLOWAY 2
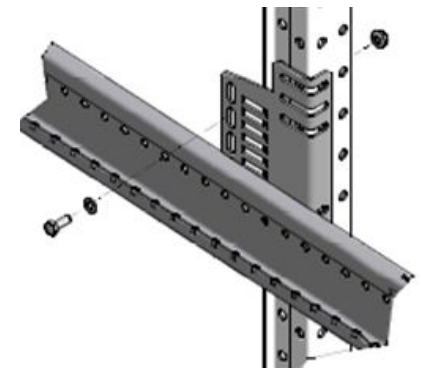
Loads / limits of use

- Mostly for

  - Cartons with 5,5% slope

  - Plastic boxes with 3,5% slope

  - Max. 25 kg (see Ergonomic norms)
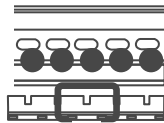
- Temperature range: - 30 °C to + 45 °C
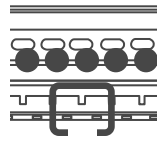
CARTON WHEEL FLOW FLOWAY 2

Bed design

Loading support

Intermediate beam

End bung

Track clip

Universal connector

Side member

Wheel track

Unloading support

Bed design

Intermediate beam

40 mm
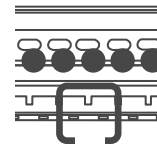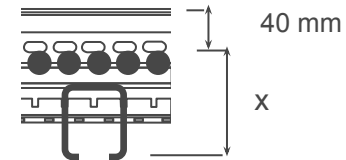
x

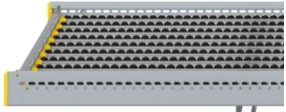X= 67   X= 79   X= 88   X= 100

Beam height automatically defined by calculation program
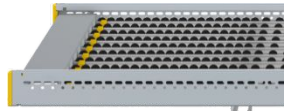
CARTON WHEEL FLOW FLOWAY 2
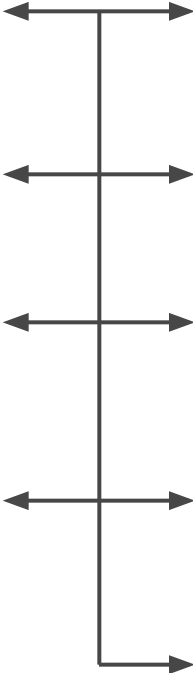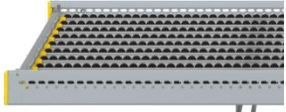
The different configurations

LR

LS (non std)
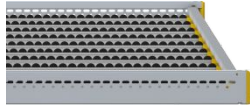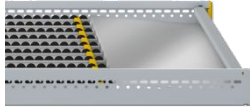Stacker crane
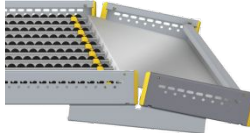Back stop needed

LP
Loading plate

LIFO

UR

U05
Drop Out Tray 5°

U15-400
Drop Out Tray 15°
Boxes 400 mm

U15-600
Drop Out Tray 15°
Boxes 600 mm

UAD
Adjustable
Drop Out Tray

CARTON WHEEL FLOW FLOWAY 2

The wheel track

- Pyramidal shape to never open under heavy loads. The heavier the load, the better the profile is closing

- Full width steel axle 3mm diameter

- Strong polymer bearing Y shape design

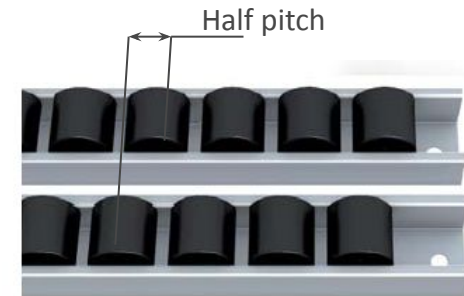- Galvanized finish for better protection against corrosion

Std color

Non std color

7

Possibilities of optimisation

Half pitch

Staggered wheel tracks

- Better restart
- To reduce the noise

Bed frame

- Adaptable to the required load with a large choice of intermediate beams

  - 66mm
  - 54mm
  - 45mm
  - 33mm

CARTON WHEEL FLOW FLOWAY 2

Possible combinations

Stand alone Rack

Picking tunnel

Rack with static buffer

Integrated conveyors

To summarize

Beds

• Compatible with any racking
   Universal connector

• Many possible configurations
   Combination with Conveyors, automatic loading system
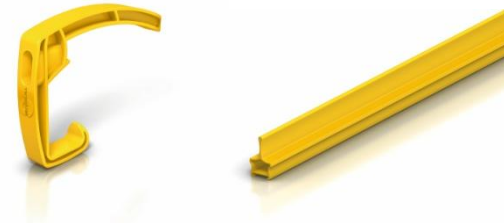
Tracks

• Never open under loads
   Pyramidal shape
   The heavier the load, the better the profile is closing

• Excellent flowability
   Full width steel axle
   Reduced slope:
   • More space
   • Less noise
   • Reduced impacts
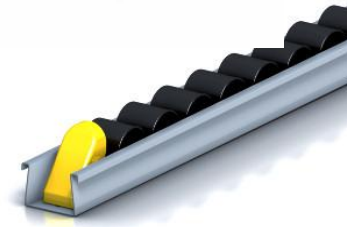   • Reduced lane pressure
   • Additional level possible
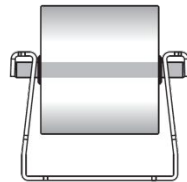
Guides

Brake clip

Back stop

Applications

Applications

Thank you