

System:

LAT Flex

Technical Data Sheet



System Features

Intrinsically safe design

No protective enclosure required

No accumulation loads

- Complete decoupling in case of accumulation/stop
- Workpiece carrier fully separated from conveyor medium

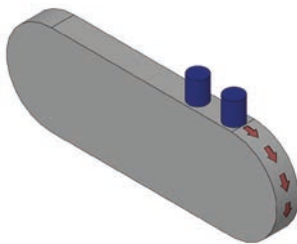
Accumulation trough deflections possible

Basic version fully electric, 230V

Applications – Variation of Orientation

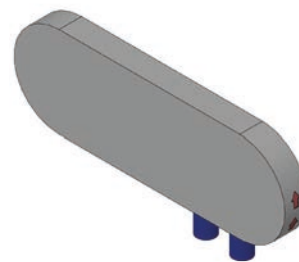
Upright Installation

Parts transport on top,
empty return below



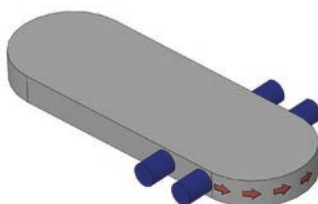
Overhead Conveyor

Parts transport below,
empty return on top



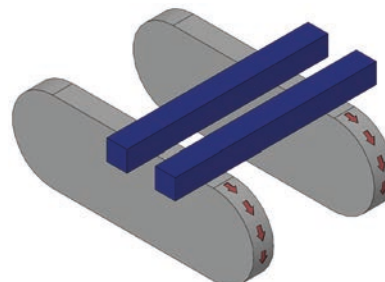
Rotated System, Horizontal

Parts transport possible on both sides



Multi-Lane, Upright Installation

(for large parts, e.g., bumpers)



Operating Conditions

Conditions	indoor only
Ambient temperature During storage	5 - 40 °C
Ambient temperature during pperation	5 - 40 °C
Humidity up to +31°C	< 80 % (non-condensing)
From +32°C Up to +45°C	< 70 % (non-condensing)

The ambient air during operation and storage must be free from acids, bases, and other aggressive substances

Performance Data

Drive system	standard: WA10 for farger systems: WA20
Conveying speed	Approx. 8 m/min
Load capacity / performance	max. 5 kg per chain link max. 20 kg per workpiece carrier chain WA10: max. 25 workpiece carriers in the system WA20: max. 25 workpiece carriers in the system
Max. system length	25 m
Stopper	electromagnetic
Positioning accuracy	X and Y $\pm 0,3$ mm Z $\pm 0,5$ mm

Workpiece Carrier – Dimensions

Width	40 mm
Segment length	50 mm (drive, intermediate element)
End element length	70 mm (for workpiece carrier chain)
Total length (min.)	80 mm (drive element with end piece)
Total length (max.)	1570 mm (workpiece carrier chain with 31 segments)