



**HD100 - Heavy Duty triple rail floor conveyor .**



**HD100**

**FLOOR CONVEYOR SYSTEM**

With its stable, double sided support of the wagon, the HD100 floor conveyor provides a very solid base for even very large and unbalanced jigs / product carriers. Furthermore, the four to six horizontal guide wheels allow for increased guidance accuracy.

**This means:**

- higher production quality
- Increased throughput

**Further system advantages:**

- No contamination of the parts to be handled, as the work pieces are placed on top of the conveyor system
- A very space saving solution compared to more traditional conveyor systems like belt- and roller conveyors
- Only a minimum of maintenance and user training is required
- Easy access to the vital parts of the conveyor system
- The compact design allows a low overall height and takes up less space in the process areas

On customer request this floor conveyor system can be modified to a 330 Lbs (150 kg) load capacity.





**HD100**

**TECHNICAL SPECIFICATIONS**

The Floor conveyor type HD100 consists of three CALDAN standard profiles.

The two upper profiles support the wagon which is equipped with 4 vertical track wheels and 4 horizontal guiding wheels.

In the underlying profile the cardan chain is driven by one or more drive units with fixed or variable speed.

The wagon body consists of 0.23 inches (6 mm) laser cut and folded plates assembled with a minimum of welding operations.

The high accuracy in the positioning of the wagon is guaranteed by the four guiding wheels - two placed on each side of the wagon.

Turning devices non-fixable or fixable in 90° or 180° positions are mounted on the top of the wagons to customer request.

<p><b>Chain pitch:</b> 7.08 / 10.62 inches (180 / 270 mm)</p> <p><b>Trolley wheels / chain bearings:</b> Open or sealed and greased version</p> <p><b>Max. temperature (surroundings):</b> 482 °F</p> <p><b>Max. load per trolley:</b> 330 Lbs (150 kg)</p> <p><b>Standard length, straight profile:</b> 118.1 inches (3.000 mm) - equipped with flanges</p> <p><b>Horizontal curves:</b> Degree: 90° / 45° / 30° / 15° Radius: 27.55 / 39.37 inches (700 / 1.000 mm)</p>	<p><b>Vertical curves:</b> Degree (depending on work-load): 15° / 30° Radius: 98.43 (59) inches (2.500 (1.500) mm)</p> <p>All horizontal and vertical curves can be manufactured in special radii on request.</p> <p><b>Drive unit:</b> Straight version, double sided caterpillar drive. Gear motor with fixed or variable speed</p> <p><b>Tension unit:</b> Manual or pneumatic/ weight-loaded</p>	<p><b>Pneumatic lubrication:</b> Semi- or fully automatic version. Point- or fog lubrication of the cardan chain</p> <p><b>Special equipment:</b> Motorized or pneumatic turning stations</p> <p><b>Accumulation possibilities:</b> None</p>
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