



## HD140

“The Heavy Duty floor conveyor”



## SINGLE LINE - FLOOR CONVEYOR

### CALDAN HD140

The new HD140 is the next generation of highly reliable heavy duty floor conveyors, designed for meeting the customers demand for handling even larger, heavier and unbalanced jigs.

The high accuracy in guiding is obtained by the 4 horizontal guide bearings, and the fully adjustable track sections. Requires minimum level of control system compared to traditional skid systems or roller conveyors due to limited use of drive units and sensors.

Further system advantages:

- high reliability due to the use of well-proven standard components
- very low maintenance - less moving sensible parts require less attention
- full flexibility in designing stage
- compact profile design to minimise restriction in airflow in spray booths, flash offs and ovens. Simplifies plant design
- unique “goose neck” design to prevent power wash fluids entering the conveyor system
- compact design minimises overspray dust settling on the conveyor. The dust is not carried through the full system - a lower level of cleaning is therefore required





## Caldan Conveyor Solutions - simply perfect.

### Specifications:

The Single Line floor conveyor type HDI40 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 laser cut and folded

plates assembled with a minimum of welding operations. Maximum load per trolley - 551 Lbs.

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

Conveyance with loads in rise and fall sections is possible due to a uniquely designed link between the chain carriers and the trolley.

Chain carrier pitch:  
7.08 / 10.62 / 11.81 inches

Max. temperature (surroundings):  
482 °F

Max. load per 4-wheeled trolley:  
551 Lbs.

Max. load per wagon  
(load bar with two trolleys):  
1102 Lbs.

Standard length, straight profile:  
118.11 inches

Trolley bearings:  
Closed and greased for low maintenance

Horizontal curves:  
Degree: 90° / 45° / 30° / 15°  
Radius: Min. 49.21 inches and larger

Vertical curves:  
Degree (depending on work-load):  
30° / 15°  
Radius: Min. 78.74 inches

Special dimensions on request.

Drive unit:  
Straight double sided version with  
caterpillar chain drives

Tension unit:  
Manual and pneumatic version

Lubrication:  
Pneumatic fog or point lubrication -  
automatic

Accumulation possibilities:  
None