



Single Line
“Keeps your materials
handling on track”



SINGLE LINE - OVERHEAD CONVEYOR

CALDAN S180 & S270

The flexible and reliable system for demanding materials handling in tough working environments.

The single line conveyor, type S180 and S270:

- can be used as a storage facility between different steps in the production flow
- is the perfect system for transportation of items through working processes in the plant
- only requires a minimum of maintenance and user training

The consequent use of tested high quality components increases functional dependability and lifetime of the system.

The use of easy combinable, modular standard components offer various customized solutions.

More than 40 years experience in solving handling problems, and our expert assessment of user's needs, will ensure that the design chosen contributes fully to a cost effective overall system.





Caldan Conveyor Solutions - simply perfect.

Specifications:

The single line conveyor type S180 and S270 consists of a standard Caldán profile, combined with horizontal and vertical curves. A cardan chain with fixed carriers is driven in the standard profile - the chain is powered by one or several drive units, with fixed or variable speed.

The items are conveyed suspended either directly from the carriers, or in specially constructed suspension devices/work jigs (customized designs).

To avoid contamination of the work pieces (e.g. drops of oil or dirt) the single conveyor can be delivered with the track opening upwards. C-hooks are then attached to the cardan chain to carry the work pieces.

Typical suspension versions are e.g.:

- one point turning device, with or without fixation
- load bar attached to 2 or 4 chain carriers

Chain pitch - S150 / S180 / S200:

5.90 / 7.08 / 7.87 inches

Chain pitch - S270 / S300:

10.62 / 11.81 inches

Chain bearings:

Open or sealed and greased version

Max. temperature (surroundings):

482 °F

Max. load per carrier:

198 Lbs.

Max. load per load bar, 8-wheeled:

794 Lbs.

Standard length, straight profile:

236.22 inches. Available equipped with flanges

Horizontal curves - S150 / S180 / S200:

Degree: 90° / 45° / 30° / 15°

Radius: 12.40 / 19.68 / 27.55 / 39.37 inches

Vertical curves - S150 / S180 / S200:

Degree (depending on work-load):

15° / 30° / 45° / 90°

Radius: 27.55 / 39.37 inches

Horizontal curves - S270 / S300:

Degree: 90° / 45° / 30° / 15°

Radius: 27.55 / 39.37 inches

Vertical curves - S270 / S300:

Degree (depending on work-load):

15° / 30° / 45° / 90°

Radius: 39.37 inches

All horizontal / vertical curves can be manufactured in special radii on request

Drive unit:

Straight version with double or single sided caterpillar drive or 90° version with driving wheel. Gear motor with fixed or variable speed

Tension unit:

Manual or pneumatic/ weight-loaded

Pneumatic lubrication:

Semi- or fully automatic version. Point- or fog lubrication of the cardan chain