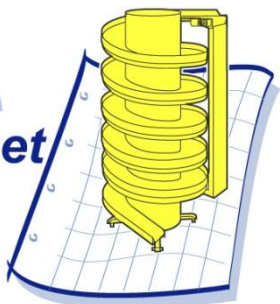
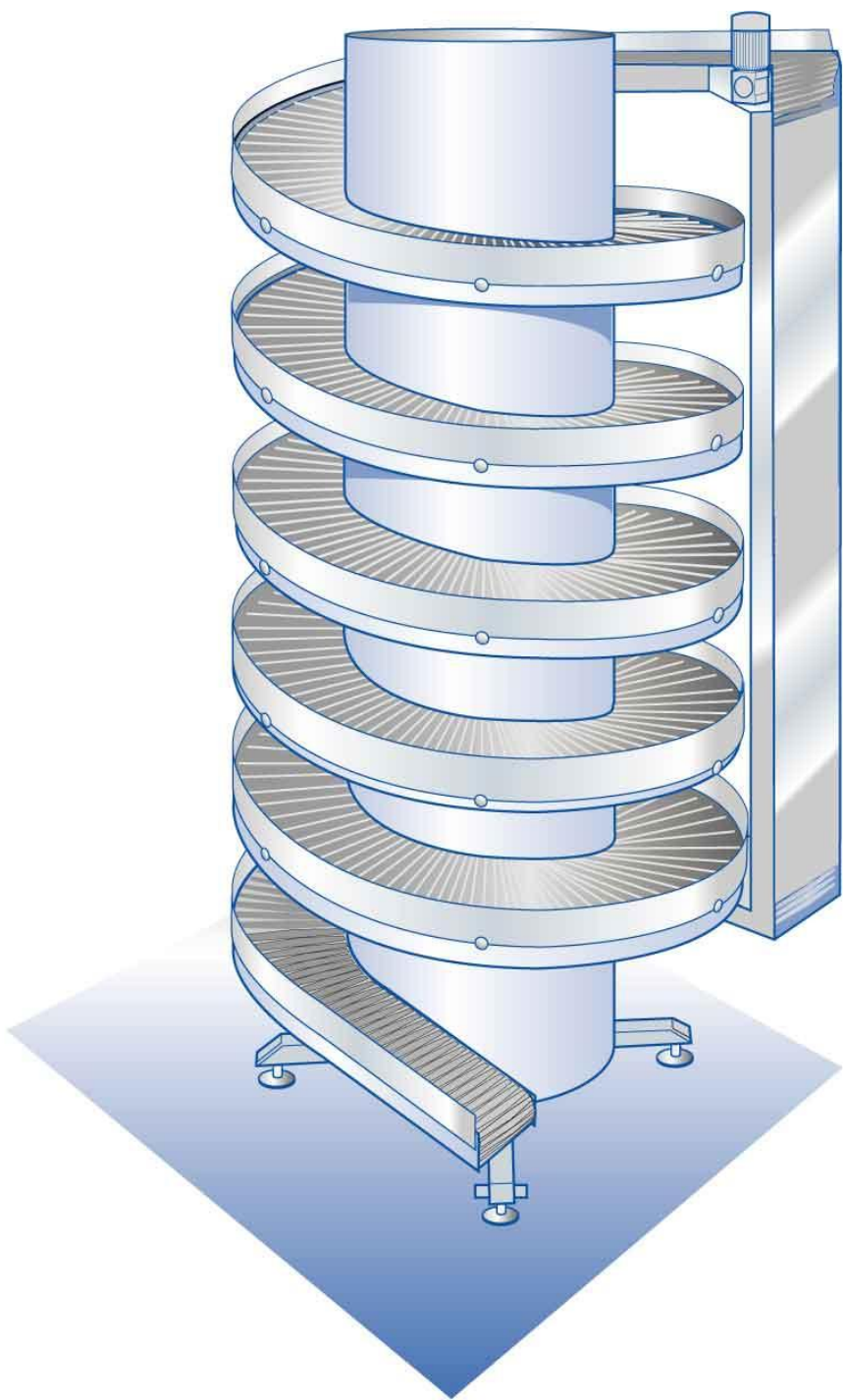


# PDS

Product Data Sheet



## SpiralVeyor® General



- 1** Frame
- 2** Belt
- 3** Guides
- 4** Accessories
- 5** Packages
- 6** Application
- 7** Documentation

# Introduction



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## How to read this document

This Product Data Sheet describes the relevant standard features, options, accessories and approved application of the SpiralVeyor®

Many special applications and features can be designed on customer demand to complete customized SpiralVeyor® products by our Engineered Product program. So if your feature or application is not mentioned in this document ask us for the possibilities at



Thanks to the large installed base, our decades of experience and our library of concepts we can satisfy almost all requests.

## Index

To increase the readability and focus the content, the SpiralVeyor Product Data Sheet is build-up of different chapters.

- **SpiralVeyor General**  
This chapter deals with all general information that apply for most of the below chapters.
- **SpiralVeyor SVs**  
This chapter deals with the specific extra information, parameters and options for small conveyor width ranging from 100 up to 140 mm belt width.  
Typically applied for single file container handling
- **SpiralVeyor SV**  
This chapter deals with the specific extra information, parameters and options for medium conveyor width ranging from 200 up to 600 mm belt width.  
Typically applied for logistics and secondary packaging
- **SpiralVeyor SVe**  
This chapter deals with the specific extra information, parameters and options for extra wide conveyor width ranging from 600 and wider and build up from more co-operating parallel belt tracks building one wider common conveyor belt for large items or mass flow of single items.  
Typically applied for logistics, parcels and luggage
- **SpiralVeyor SVm**  
This chapter deals with the specific extra information, parameters and options for the spiral conveyor with a belt build up from one or more co-operating belt tracks building one larger common and stable conveyor surface especially suited for container mass flow applications.  
Typically applied for mass flow bottling and canning.

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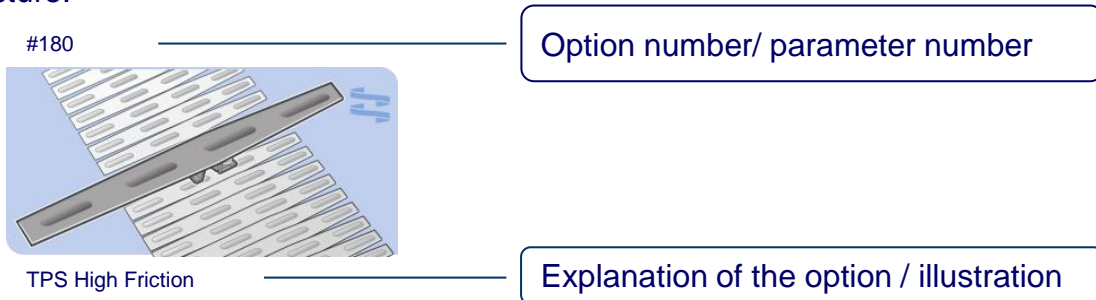
## Technical specifications

In case of a proposal quoted or order confirmed, this document serves as the base for the application and technical features. The separate quotation or order confirmation includes technical specifications (📄) listing up the options from this document. The technical specifications may describe extra features, special design or applications which are only available upon request. The technical specifications in the proposal quoted or order is leading and overrules this product sheet.

Not all options and configuration can be combined. In case an impossible combination is requested the AmbaFlex sales engineering department will inform you and suggest a better configuration or combination.

### Legend:

Example Picture:



📄 = Symbol referring to the Technical Specification in quotation or order confirmation

⚠️ = May need additional explanation/ measures to comply with the CE regulations.

📄 = link to a pdf document with additional information/explanation.

📄 = link to an accompanying autocad drawing.

#### \* Disclaimer:

Illustrations shown are indicative. Illustrations can differ on details for the supply. Illustrations may show options that are not in the scope of supply unless specified in the quotation / order. All dimensions specified in this document are design meant to be dimensions. For the as build dimensions, larger functional tolerances should be considered.

The latest Product Data Sheet for this machine is available on the below hyperlink.

[http://www.ambaflex.com/assets/www.ambaflex.com/downloadables/spiralveyor/PDS/SV\\_PDS\\_EN.pdf](http://www.ambaflex.com/assets/www.ambaflex.com/downloadables/spiralveyor/PDS/SV_PDS_EN.pdf)

# Frame

## Explanation machine code

Machine code

#500

SpiralVeyor SV Single track parameters

Example: SV-400-1300-803-S-4-A-15-TU-TPSHF1

- **SpiralVeyor® Type** SV
- **Belt width belt (b)** 400mm
- **Centerline diameter belt (D)** 1300mm
- **Pitch belt (P)** 803mm
- **Material configuration** S
- **No of windings belt (W)** 4
- **Configuration belt** A
- **Speed belt** 15
- **Transport direction** TU
- **Slat type: TPS High Friction1 (ratio)** TPSHF1

SpiralVeyor SV X Multi track parameters

In all multi track configuration the parameters are numbered starting from spiral outside to inside. Example in case of a triple track; h2.1 is the elevation for the outer spiral track, h2.2 the elevation of the central track and h2.3 is the indication for the inner track.

Example: SV X-400/400-1743-803/803-S-4/4-A/A-15/23-TU/TU-TPS4HF1

- **SpiralVeyor® Type** SV X
- **Belt width outer belt (b1)** 400mm
- **Belt width inner belt (b2)** 400mm
- **Centerline diameter belt (D)** 1743mm
- **Pitch outer belt (P1)** 803mm
- **Pitch inner belt (P2)** 803mm
- **Material configuration** S
- **No of windings outer belt (W1)** 4
- **No of windings inner belt (W2)** 4
- **Configuration outer belt** A
- **Configuration inner belt** A
- **Speed outer belt** 15
- **Speed inner belt** 23
- **Transport direction outer belt** TU
- **Transport direction inner belt** TU
- **Slat type TPS High Friction1 (ratio)** TPSHF1



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# Frame

## A) Frame Dimensions



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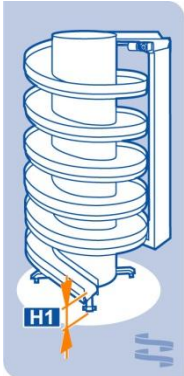
Application

7

Documentation

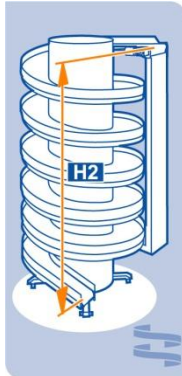
### i. Heights

#171



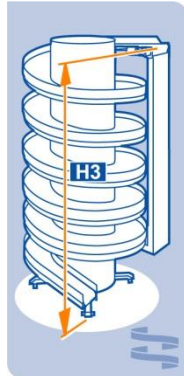
Lower end  
H1

#370

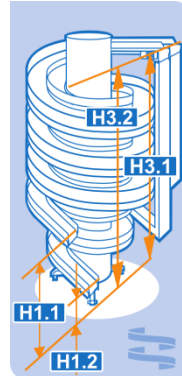


Elevation  
H2

#348



Upper end  
H3



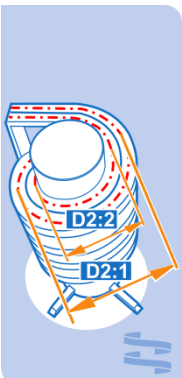
SV X  
H1.1, H1.2, H1.n  
H3.1, H3.2, H3.n

### ii. Top View

#561

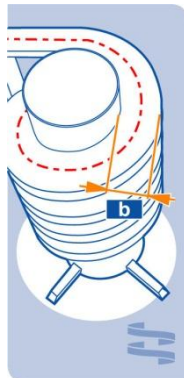


Centerline diameter  
D2

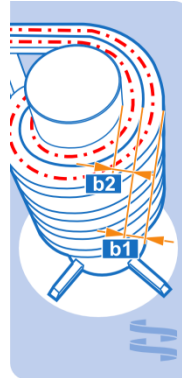


Centerline diameter  
D2.1, D2.2, D2.n

#560



Belt width  
b



Belt width  
b1, b2, bn

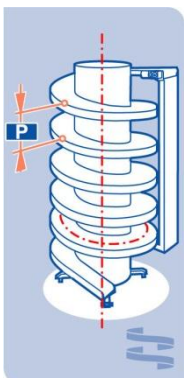
#562



Footprint  
X1 and X2

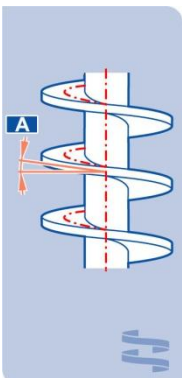
### iii. Incline

#347

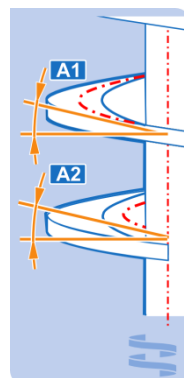


Pitch  
P1, P2, Pn

#371



Centerline angle  
A



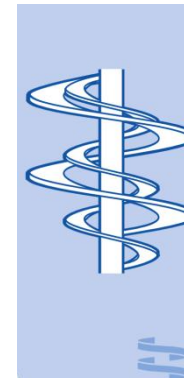
Centerline angle  
A1, A2, An

#160



Number of windings  
W1, W2, Wn  
Picture -> W=3

Example



2/3



## B) In/ Out feed configurations

#158



Example

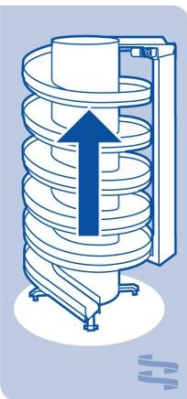


D/F



## C) Transport directions

#242



Transport Up (TU)

#243

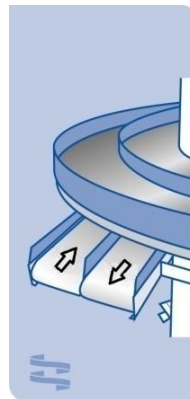


Transport Down (TD)

#244



Transport Alternate (TA)



TU/TD

## D) Support

#175



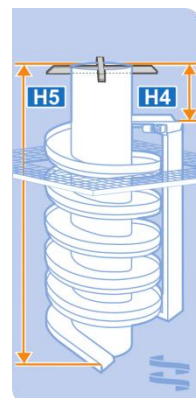
Floor mounted

#921



Elevated feet

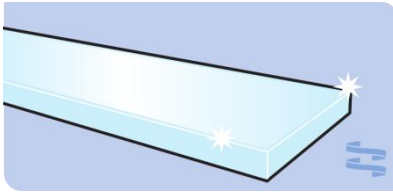
#488



Ceiling mounted

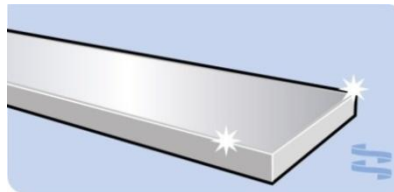
## E) Frame

#157



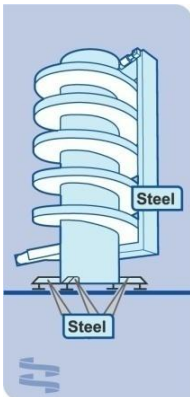
Carbon steel

#159



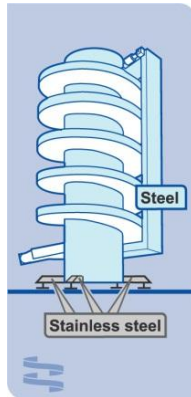
Stainless steel 304

#200



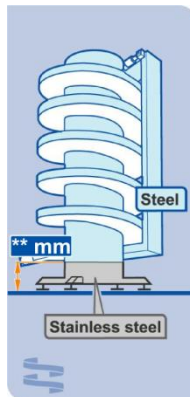
Full Carbon Steel

#198



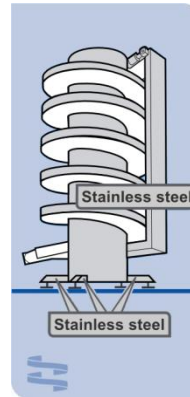
Carbon Steel frame  
Stainless steel support

#199



Carbon Steel frame  
Stainless steel pedestal

#201

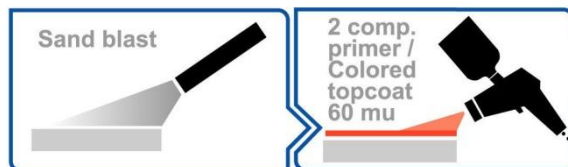
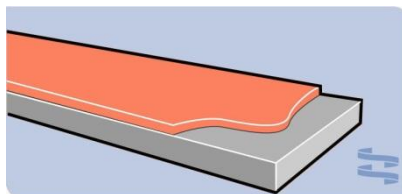


Full Stainless Steel

## F) Finishes

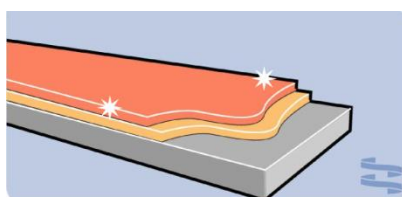
### I. Industrial Coating

#949



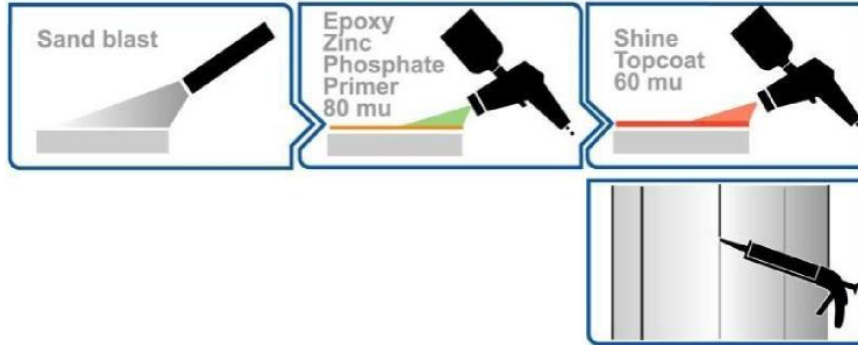
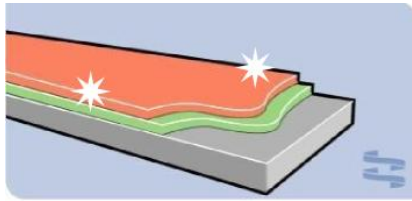
### II. High Gloss Coating

#384



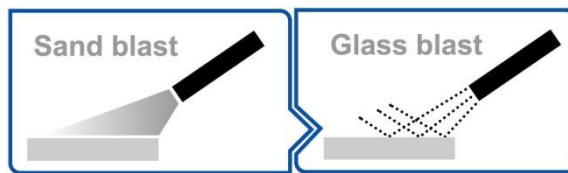
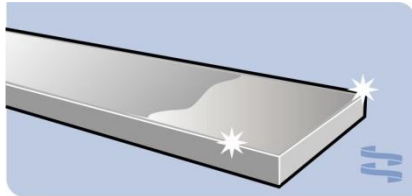
### III. High corrosion Protected Coating

#721



### IV. Blast Finish

#389



### V. Colour

#948



RAL colour code

#385



EFT colour code

#392



NCS colour code

#388



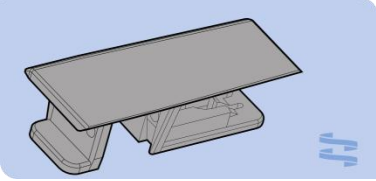
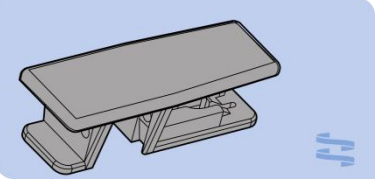
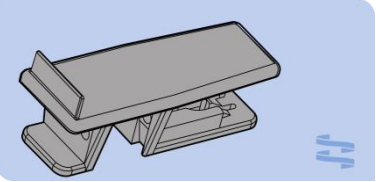
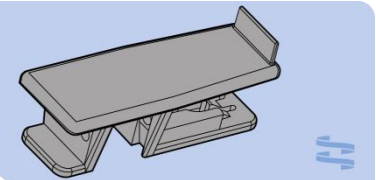
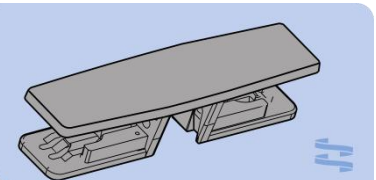
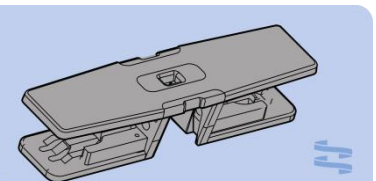
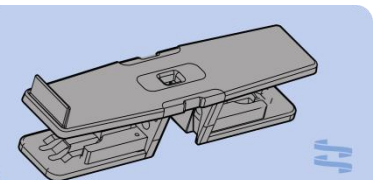
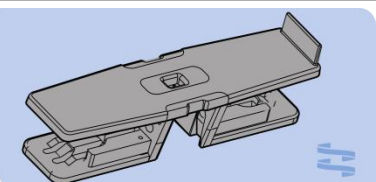
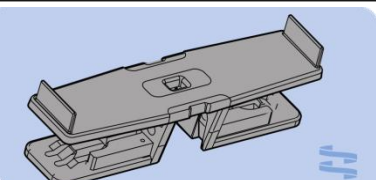
Colour sample



# Belt

## A) Slat type



Belt type	Shape	Friction	Material		Colour		Slat width [mm]	
			Belt	Friction	Belt	Friction	100	140
TPC		Standard	PP		Black		782	
TPS		Standard	PP		Black		783	
		High friction	PP	TPE	Black		784	
		Medium friction	PP	TPE	Black	White	785	
		Standard Tip guide left	PP		Black		786	
		High friction Tip guide left	PP	TPE	Black		787	
		Medium friction Tip guide left	PP	TPE	Black	White	788	
		Standard Tip guide right	PP		Black		789	
		High friction Tip guide right	PP	TPE	Black		790	
		Medium friction Tip guide right	PP	TPE	Black	White	791	
		Standard	PP		Black			792
		High friction	PP	TPE	Black			793
		Medium friction	PP	TPE	Black	White		794
		Standard	PP		Black			795
		High friction	PP	TPE	Black			796
		Medium friction	PP	TPE	Black	White		797
		Standard Tip guide left	PP		Black			798
		High friction Tip guide left	PP	TPE	Black			799
		Medium friction Tip guide left	PP	TPE	Black	White		800
	Standard Tip guide right	PP		Black			801	
	High friction Tip guide right	PP	TPE	Black			802	
	Medium friction Tip guide right	PP	TPE	Black	White		803	
	Standard Tip guide dual	PP		Black			804	
	High friction Tip guide dual	PP	TPE	Black			805	
	Medium friction Tip guide dual	PP	TPE	Black			806	

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# Belt

## A) Slat type\*

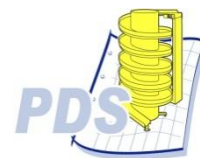


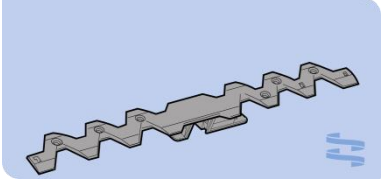
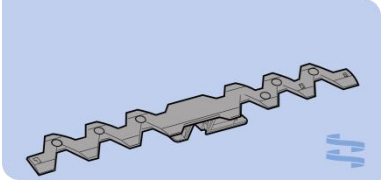
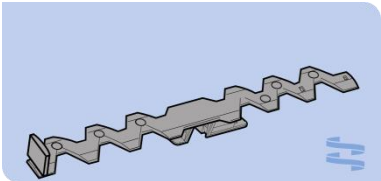
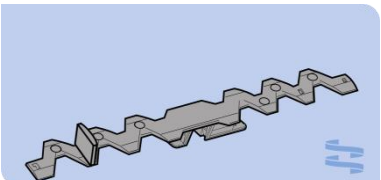
Belt type	Shape	Friction	Material		Colour	Slat width [mm]				
			Belt	Friction		200	300	400	500	600
TPS		Standard	POM		Black	807	808	809	810	811
		High friction	POM TPE		Black	812	813	814	815	816
		High friction food grade	POM TPE		White	817	818	819	820	821
		Standard	POM		Black	822		823		
		High friction	POM TPE		Black	824		825		
TPO		High friction	POM TPE		Black		826	827		

\*) Pictures based on 400 mm belt width, looking in transport direction and column at the right side

# Belt

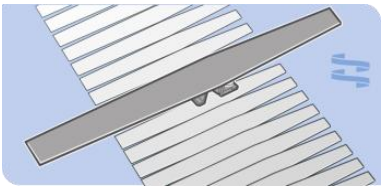
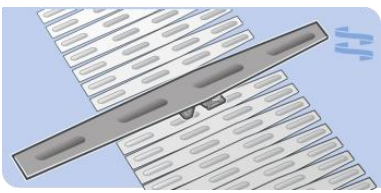
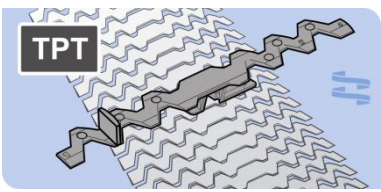
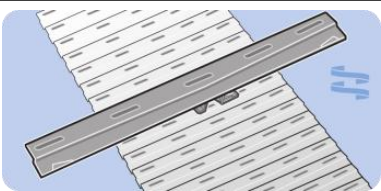
## A) Slat type\*



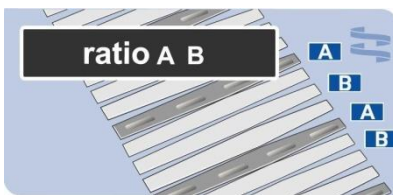
Belt type	Shape	Friction	Material		Colour	Slat width [mm]				
			Belt	Friction		200	300	400	500	600
TPT		Standard	POM		Grey			828		
		High friction	POM TPE		Grey			829		
		High friction Tip guide outer radius	POM TPE		Grey			830		
		High friction Tip guide outer radius with inset	POM TPE		Grey			831		

\*) Pictures based on 400 mm belt width, looking in transport direction and column at the right side

## B) Pre defined belt configuration\*

Belt type	Shape	Friction	Material		Colour	Belt width [mm]								
			Belt	Friction		100	140	200	300	400	500	600		
TPS		Standard belt	PP		Black	220	221	222						
		High friction belt	PP	TPE	Black	223	224							
		Medium friction belt	PP	TPE	White	225	226							
		Full friction belt	POM	TPE	Black			227	228	180	229	230		
		Full friction belt Food grade	POM	TPE	White			231	232	233	234	235		
TPT		Full friction belt Tip guide outer radius with inset	POM	TPE	Grey							182		
TPO		Full friction belt	POM	TPE	Black + grey							181		

## C) Customized Belt Configuration\*

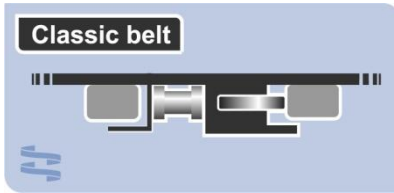


- #213 First slat type A
- #214 Second slat type B
- #215 Ratio= A/(A+B) Picture -> 1:4

\*) Pictures based on 400 mm belt width

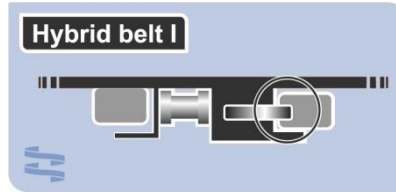
## D) Belt guide

#957



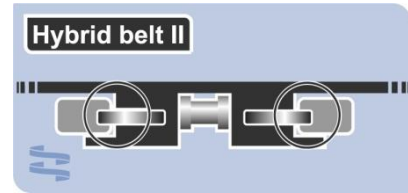
Belt roller guide system, classic

#958



Belt roller guide system, Hybrid

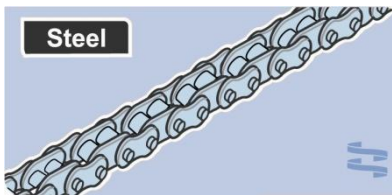
#757



Belt roller guide system, full Hybrid rolling belt (high capacity conveyor)

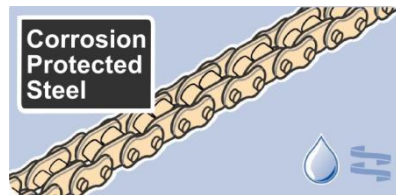
## E) Chain

#193



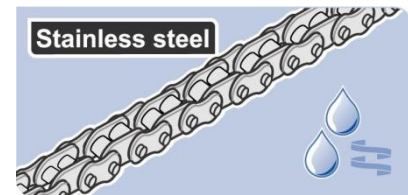
Belt base chain, carbon steel

#738



Belt base chain, corrosion protected, carbon steel

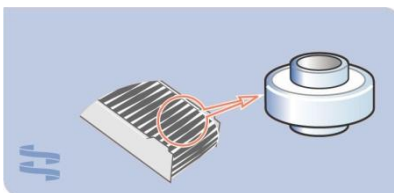
#195



Belt base chain, stainless steel

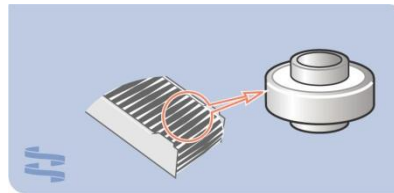
## F) Bearings

#429



Steel z-seal

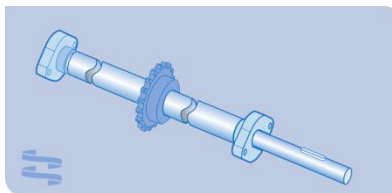
#430



Stainless rs-seal

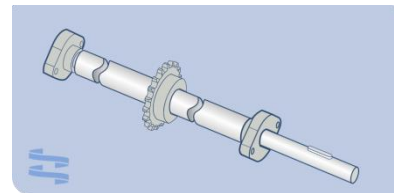
## G) Shafts & Sprockets

#196



Carbon steel shaft, bearings, sprockets, fasteners

#197



Stainless steel shaft, bearings, sprockets, fasteners

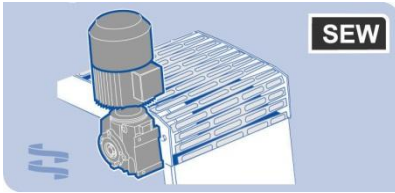


# Accessories

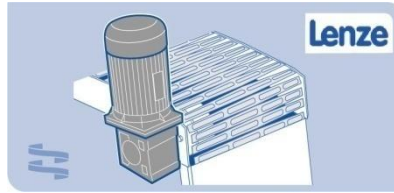


## A) Gear motors

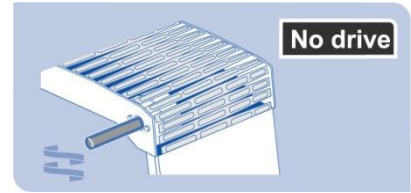
#378



#211

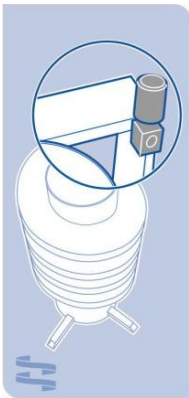


#203



## B) Drive positions

#204



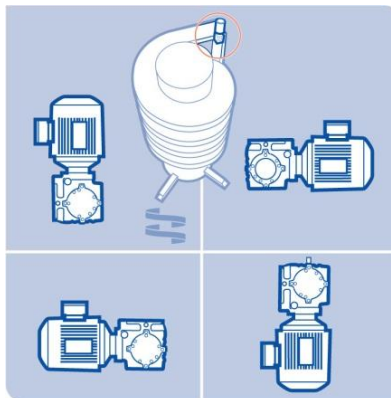
Inside

#205



Outside

#208



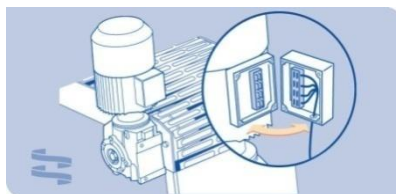
#207  
Drive orientation

#649

#209

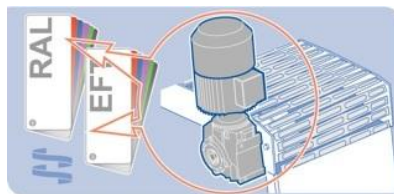
## C) Drive options

#419



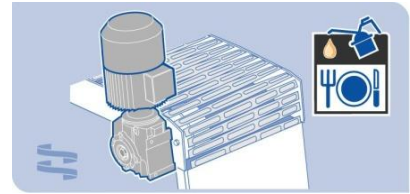
IS connector

#720



Customer specific colour

#923



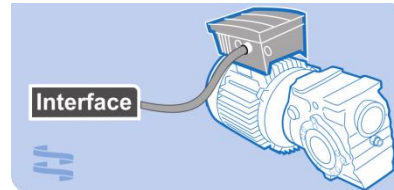
Food grade oil

#718



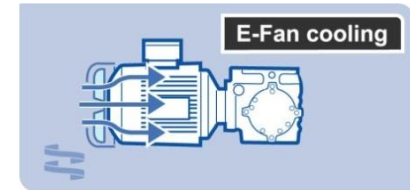
Integrated frequency inverter

#719



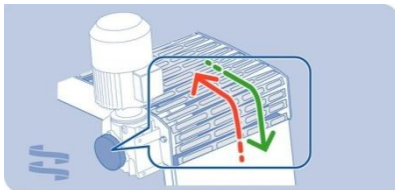
Interface on integrated frequency inverter

#440



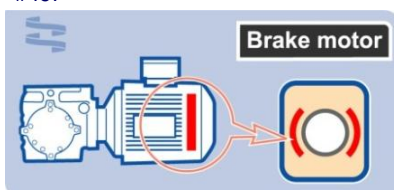
f < 18 Hz

#744



+ backstop (up running only!)

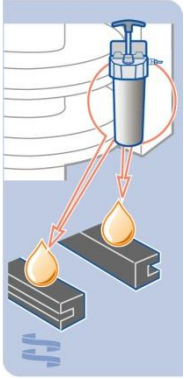
#467



+ manual brake release

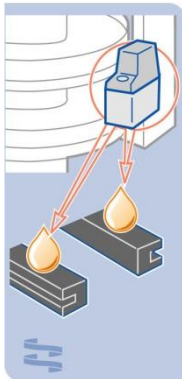
## D) Belt guide slide film applicator

#431



Manual

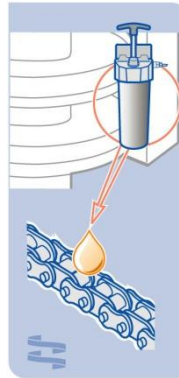
#568



Electric

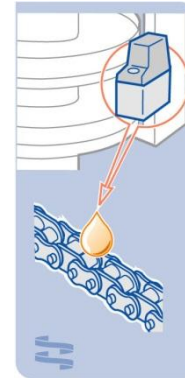
## E) Chain lubrication

#681



Manual

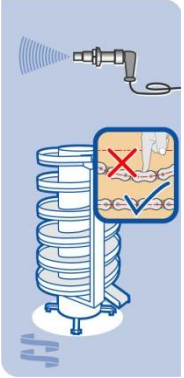
#682



Electric

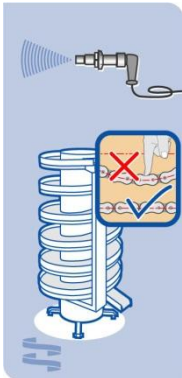
## F) Alert options

#736



Chain overlength sensors  
24V DC

#926



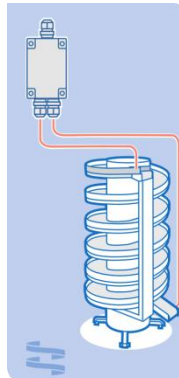
Chain overlength sensors  
110V AC/DC

#692



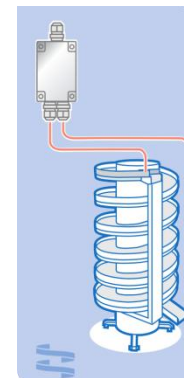
Missing slat & tab detection sensors  
24V DC only

#759



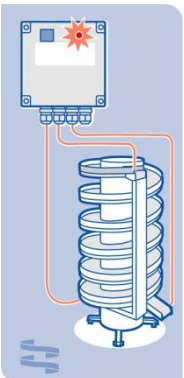
Junction box  
Polycarbonate

#918



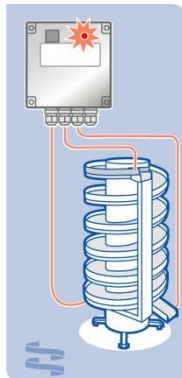
Junction box  
Stainless Steel

#690



Maintenance Alert System (MAS)  
Polycarbonate  
24V DC only

#691



(MAS) Stainless Steel  
24V DC only

## G) Specials

#444



# Packages



1

Frame

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Guides

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Accessories

5

Packages

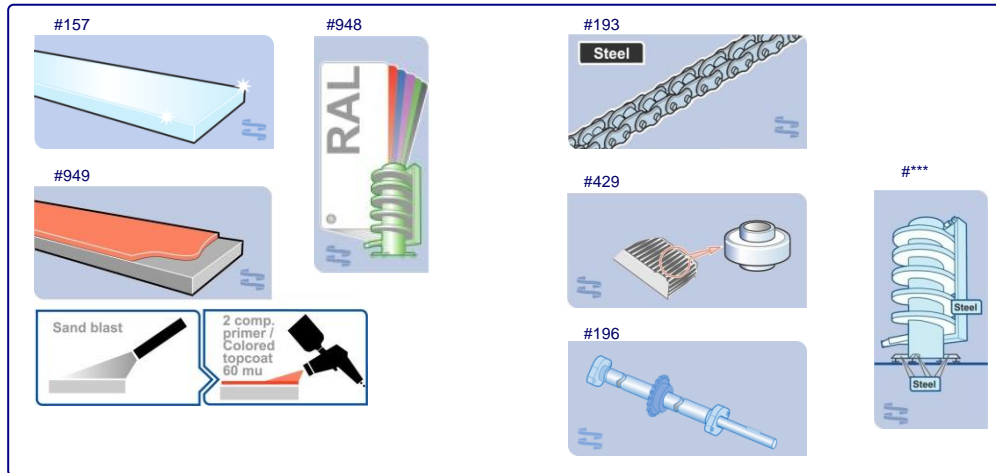
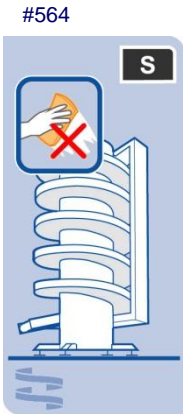
6

Application

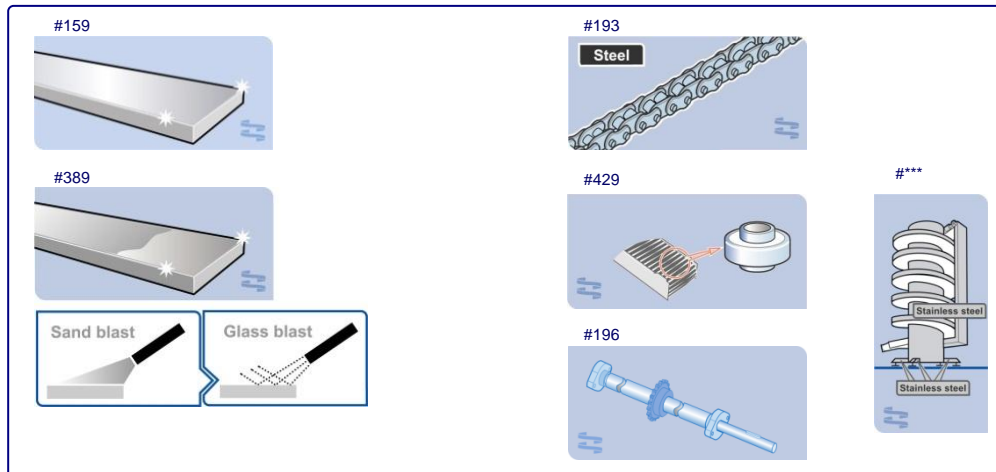
7

Documentation

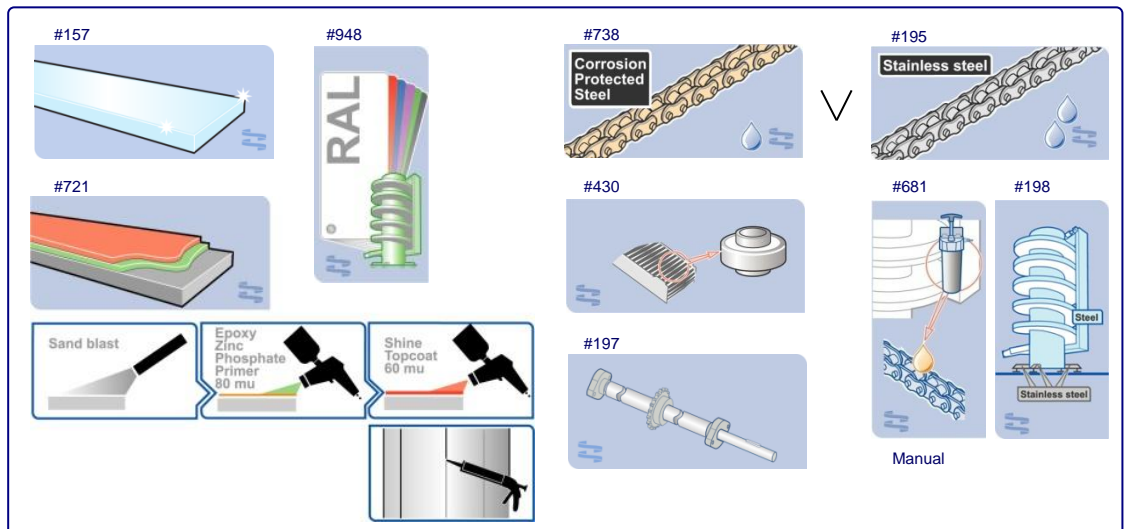
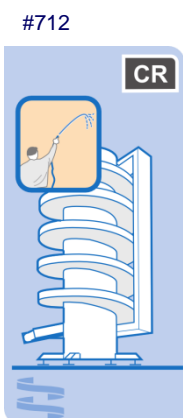
## A) Dry use (S)



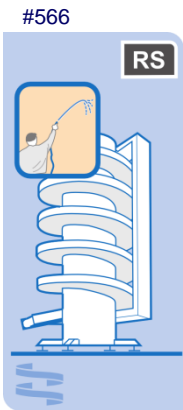
## B) Wipe Down (R)

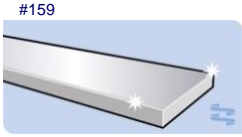
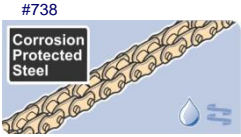

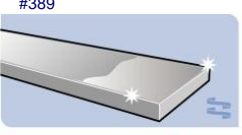
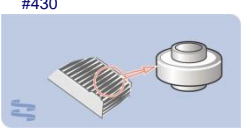
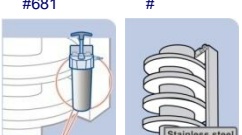

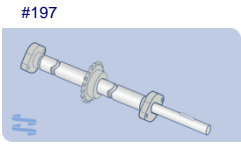



## C) Wash down Economic (CR)

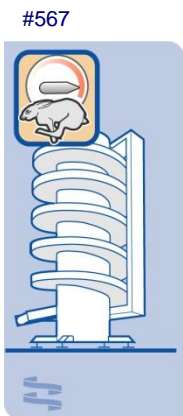


## D) Wash down (RS)



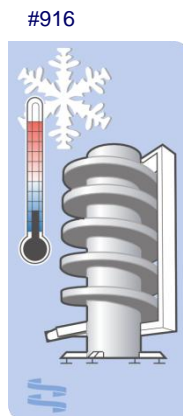
<p>#159</p> 	<p>#738</p> <p>Corrosion Protected Steel</p> 	<p>#195</p> <p>Stainless steel</p> 
<p>#389</p> 	<p>#430</p> 	<p>#681</p> 
<p>Sand blast</p> <p>Glass blast</p> 	<p>#197</p> 	<p>Manual</p> 

## E) High Speed Pack



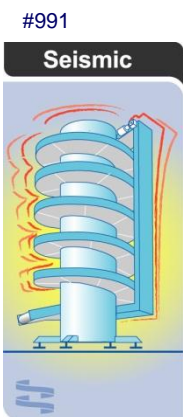
High Speed pack

## F) Polar Pack



Polar pack

## G) Seismic Pack



Seismic

Standard the SpiralVeyor® is not designed for installation in a seismic hazardous zone.

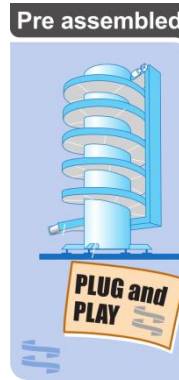
Ask for our special seismic option pack.



## A) Delivery



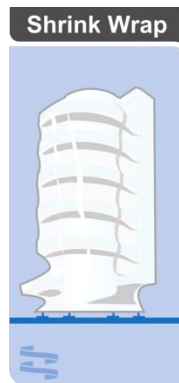
**Pre tested**  
All SpiralVeyor® are delivered pre-tested and ready to run after integration unless specified in the □. In case the SpiralVeyor® does not fit in the building or truck we refer to the non-assembled delivery options.



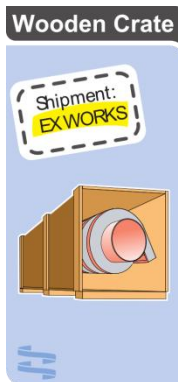
**Pre assembled**  
All SpiralVeyor® are delivered pre-assembled and ready for integration unless specified in the □.



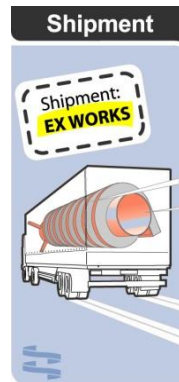
**Stretch Wrap** #703  
All SpiralVeyor® leave the factory wrapped in stretch foil for light protection. Special packaging is available on request. Normally the SpiralVeyor® is transported in the horizontal position, however due to transport limitations it may be delivered upright.



**Shrink Wrap** #753  
Packaging suited for open truck

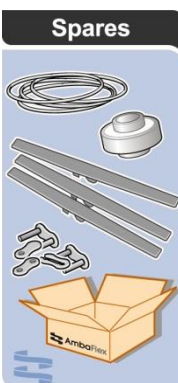


**Wooden Crate** #734  
Packed in wooden crate



**Shipment** #704  
The equipment is supplied Ex Works, excluding installation and integration. Installation assistance is available on request.

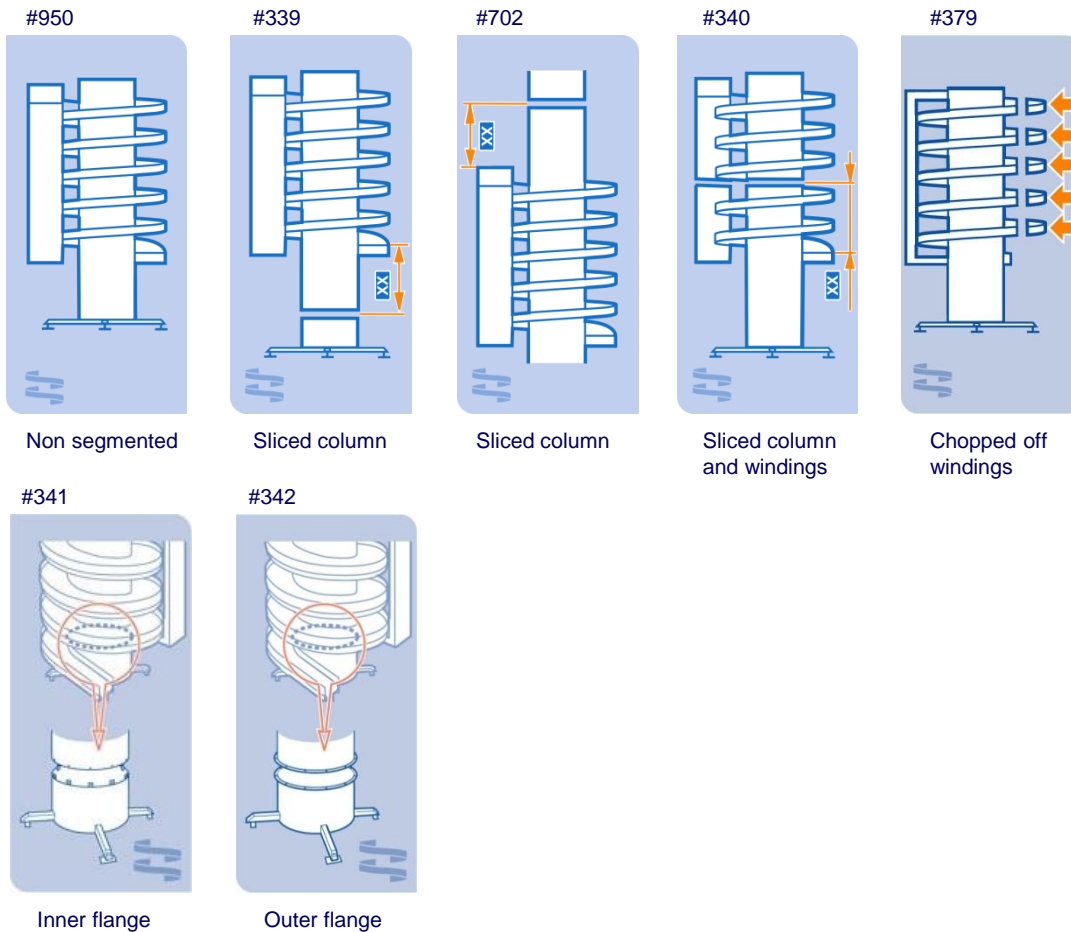
## B) Spares



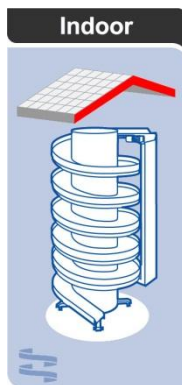
**Spares** #328  
The SpiralVeyor® will be delivered with a standard spare parts package. We refer to our spare parts package options for small maintenance work and less downtime periods.



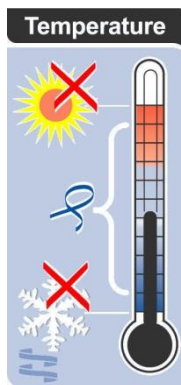
## C) Segmentation



## D) Environment



The SpiralVeyor® is designed to be used indoors.  
For outdoor use AmbaFlex can offer special SpiralVeyor®



The SpiralVeyor® is designed to operate in non-freezing conditions. (temperature range of 0-35°)  
See our Polar options for freezing applications.

## E) Cleaning



Wet cleaning is allowed for certain component materials. See the available material packages choices.



High pressure cleaning should be avoided. If unavoidable ensure that there is no high pressure water contact with seals, bearings and electrical components.



A list of approved cleaning detergents for various component materials is available on request.

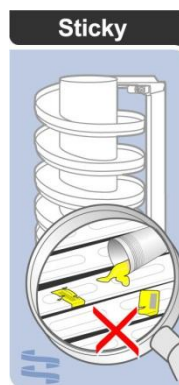
## F) Contamination



Any contamination that may harm the SpiralVeyor® or its function must be avoided.



The SpiralVeyor® is not designed to cope with abrasive or aggressive spillage, dirt, glass or atmosphere. AmbaFlex will, when asked, give advice. A wear resistant package may be an option.



Make sure any spillage, dirt or glass that may become sticky is avoided. Otherwise a proper cleaning program within the cleaning possibilities of the SpiralVeyor® should be maintained. Sticky contamination may cause the SpiralVeyor® to be blocked and may overload the drive gear or cause chain damage.



Contamination from foreign objects or leaking products must be avoided. They may block the chain or other moving parts in their function and can cause substantial damage. Let our sales engineers advice you.

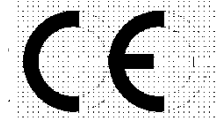


Contamination from upstream conveyors like leakage and specially dry lubrication should be avoided unless specified and custom designed.

# CE regulations and documentation

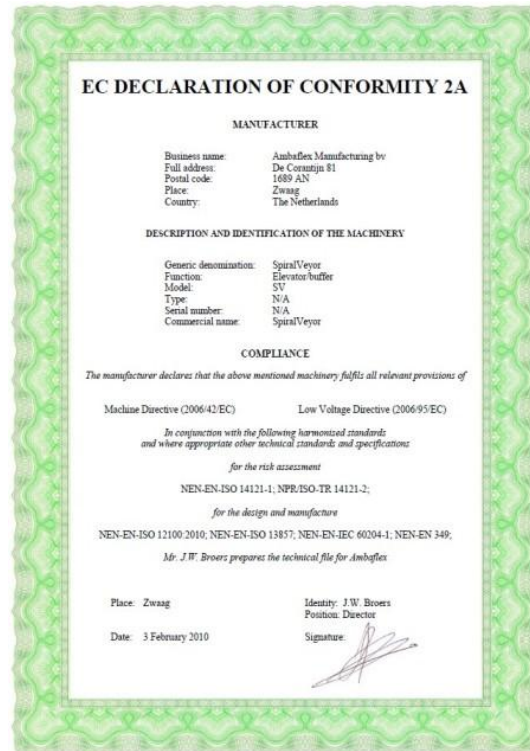
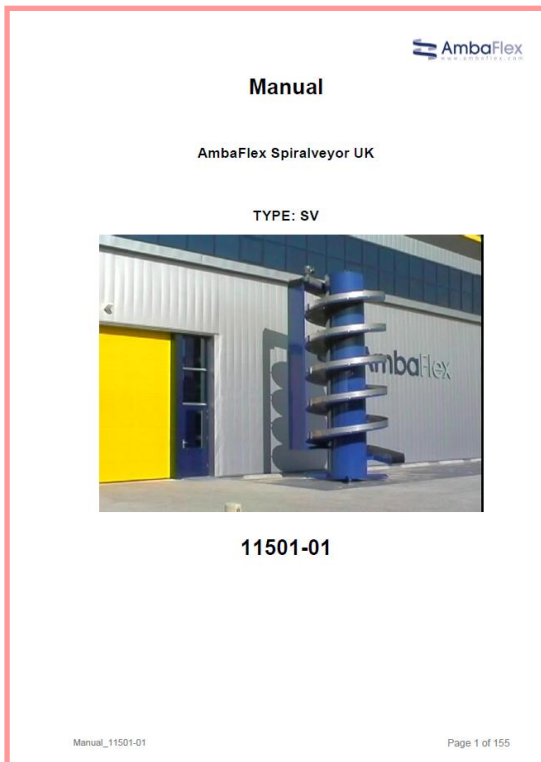


The SpiralVeyor® will be delivered according to the CE classifications. However these classifications do not always comply with local regulations. Ask for advice in case of doubt.



Delivery of the SpiralVeyor® is including instructions according to the actual CE directive. For reasons of environmental protection, these instructions will be delivered as one copy in English (original) and one copy as a translation into one of the official languages of an EU member state only. These manuals will also be delivered on one CD only.

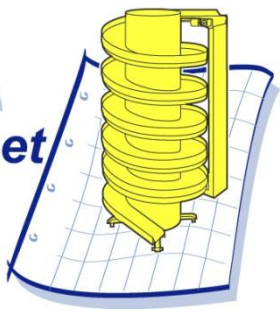
Should additional copies and/or other languages be required, we can send you an offer on request.



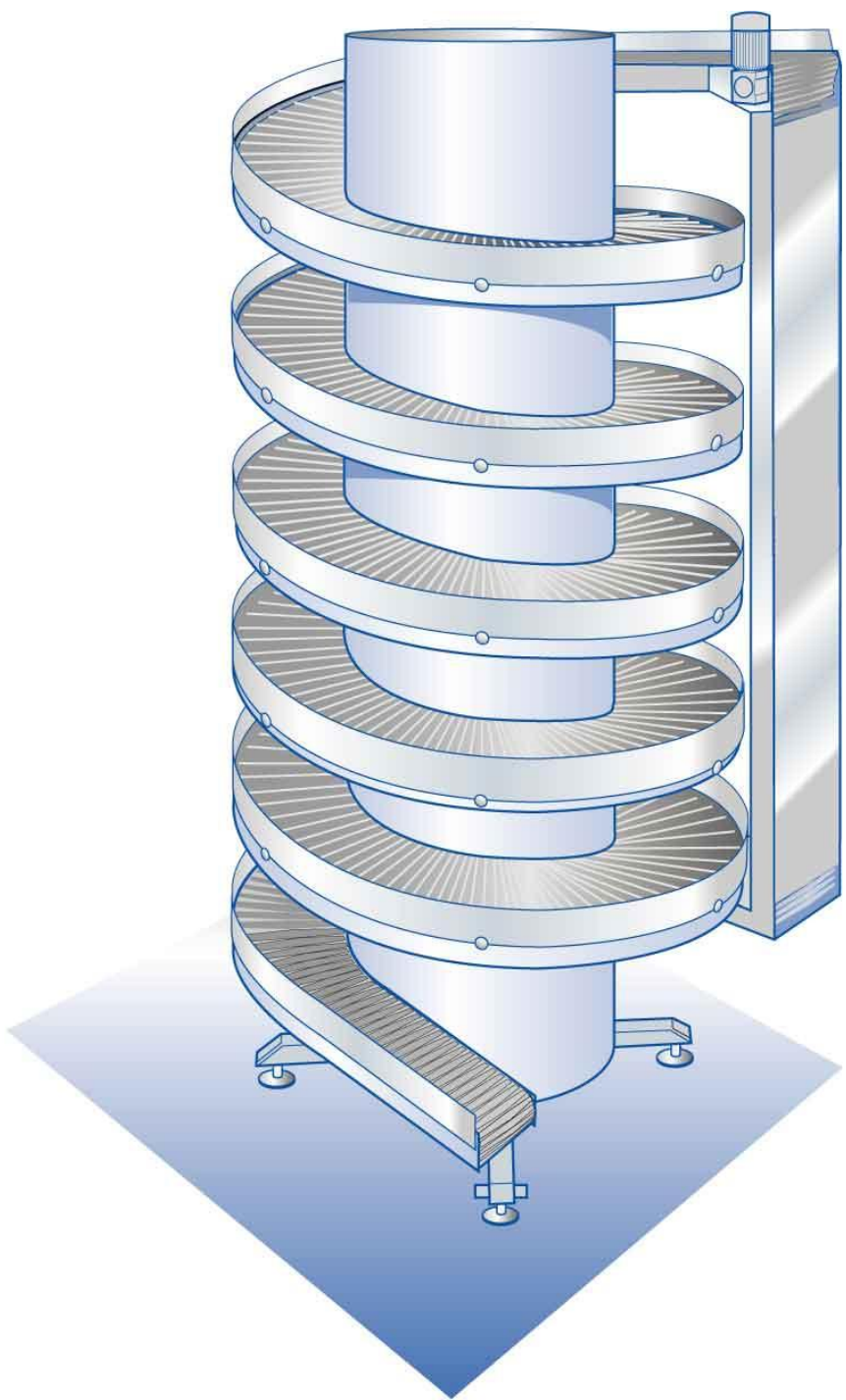
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- Belt
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- Accessories
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- Packages
- 6
- Application
- 7
- Documentation

# PDS

Product Data Sheet



## SpiralVeyor® SV Series



- 1 Frame
- 2 Belt
- 3 Guides
- 4 Accessories
- 5 Packages
- 6 Application
- 7 Documentation



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## How to read this document

This Product Data Sheet describes the relevant standard features, options, accessories and approved application of the SpiralVeyor®

Many special applications and features can be designed on customer demand to complete customized SpiralVeyor® products by our Engineered Product program. So if your feature or application is not mentioned in this document ask us for the possibilities at



Thanks to the large installed base, our decades of experience and our library of concepts we can satisfy almost all requests.

## Index

To increase the readability and focus the content, the SpiralVeyor Product Data Sheet is build-up of different chapters.

- **SpiralVeyor General**  
This chapter deals with all general information that apply for most of the below chapters.
- **SpiralVeyor SVs**  
This chapter deals with the specific extra information, parameters and options for small conveyor width ranging from 100 up to 140 mm belt width.  
Typically applied for single file container handling
- **SpiralVeyor SV**  
This chapter deals with the specific extra information, parameters and options for medium conveyor width ranging from 200 up to 600 mm belt width.  
Typically applied for logistics and secondary packaging
- **SpiralVeyor SVe**  
This chapter deals with the specific extra information, parameters and options for extra wide conveyor width ranging from 600 and wider and build up from more co-operating parallel belt tracks building one wider common conveyor belt for large items or mass flow of single items.  
Typically applied for logistics, parcels and luggage
- **SpiralVeyor SVm**  
This chapter deals with the specific extra information, parameters and options for the spiral conveyor with a belt build up from one or more co-operating belt tracks building one larger common and stable conveyor surface especially suited for container mass flow applications.  
Typically applied for mass flow bottling and canning.



# Introduction



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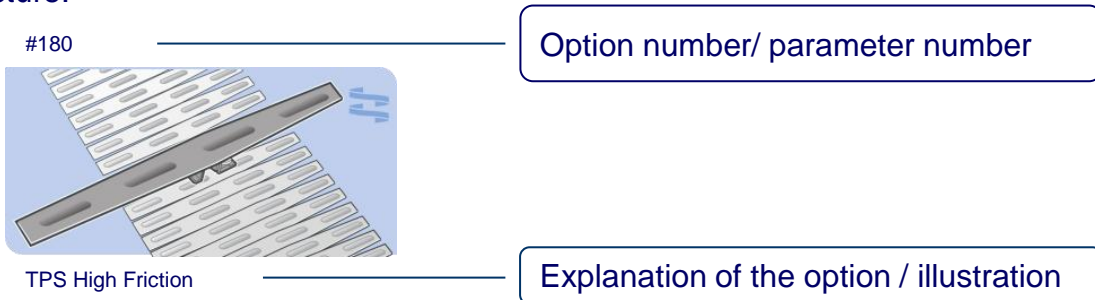
## Technical specifications

In case of a proposal quoted or order confirmed, this document serves as the base for the application and technical features. The separate quotation or order confirmation includes technical specifications (📄) listing up the options from this document. The technical specifications may describe extra features, special design or applications which are only available upon request. The technical specifications in the proposal quoted or order is leading and overrules this product sheet.

Not all options and configuration can be combined. In case an impossible combination is requested the AmbaFlex sales engineering department will inform you and suggest a better configuration or combination.

### Legend:

Example Picture:



📄 = Symbol referring to the Technical Specification in quotation or order confirmation

⚠️ = May need additional explanation/ measures to comply with the CE regulations.

📄 = link to a pdf document with additional information/explanation.

📄 = link to an accompanying autocad drawing.

#### \* Disclaimer:

Illustrations shown are indicative. Illustrations can differ on details for the supply. Illustrations may show options that are not in the scope of supply unless specified in the quotation / order. All dimensions specified in this document are design meant to be dimensions. For the as build dimensions, larger functional tolerances should be considered.

The latest Product Data Sheet for this machine is available on the below hyperlink.

[http://www.ambaflex.com/assets/www.ambaflex.com/downloadables/spiralveyor/PDS/SV\\_PDS\\_EN.pdf](http://www.ambaflex.com/assets/www.ambaflex.com/downloadables/spiralveyor/PDS/SV_PDS_EN.pdf)

# Frame SV



## A) Footprint dimensions\* X1 and X2 [mm] for SV #562

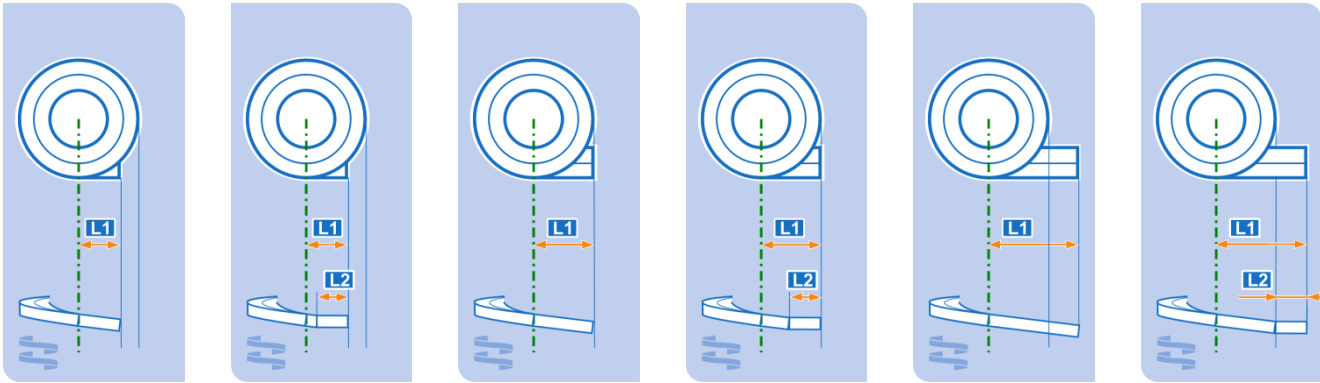
Belt b [mm]	Central diameter D2 [mm]					
	900	1000	1300	1600	1800	2300
100 See SV s						
140 See SV s						
200		1240 x 1240	1540 x 1540			
300	1240 x 1290					
400			1740 x 1740		2240 x 2240	
500			1840 x 1870			
600				2240 x 2240	2440 x 2440	2940 x 2940

## A) Footprint dimensions\* X1 and X2 [mm] for SV X #562

Belts b1, b2 [mm]	Central track diameter				Outer diameter X1, X2 [mm]
	D2.1 [mm]	D2.2 [mm]	D2.3 [mm]	D2.4 [mm]	
2/200	1500	1014			1740 x 1840
3/200	2000	1514	1028		2240 x 2640
4/200	2700	2214	1728	1242	2940 x 3340
2/300	1900	1214			2240 x 2340
3/300	2586	1900	1214		2926 x 3326
2/400	2186	1300			2626 x 2733
2/500	2386	1300			2926 x 3063

\*) Excluding side guide, drive and options

## B) Lower end



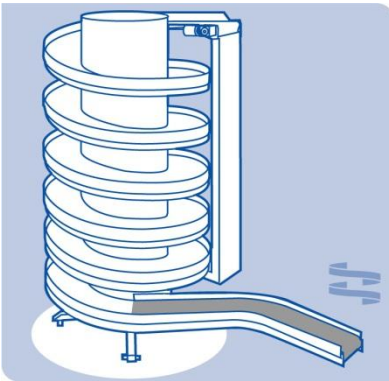
#427 = L1, Total lower-end length

#428 = L2, Horizontal lower-end length

$L1 \geq 300\text{mm} + L2$

$L2 = 0, 300, 400, 600, 800\text{mm}$

#946



Q shaped

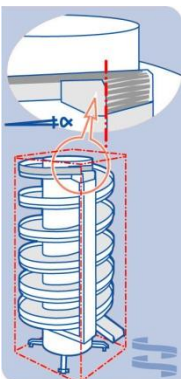
#945



Various shapes

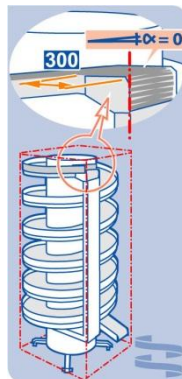
## C) Upper end

#947



Track upper end inclined

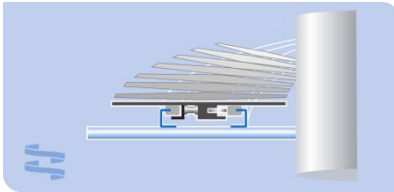
#448



Track upper end with 300mm flat end section

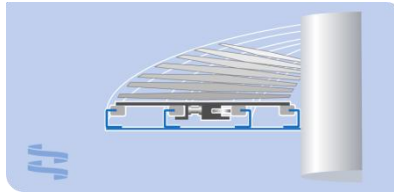
## D) Track build up

#938



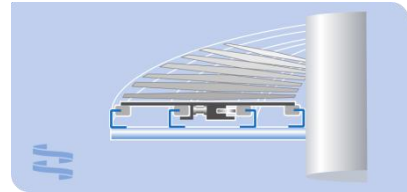
Economic track build up

#940



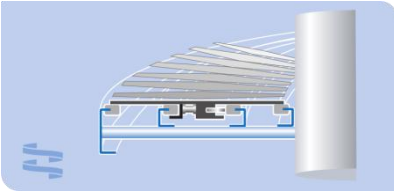
Flat track build up

#941



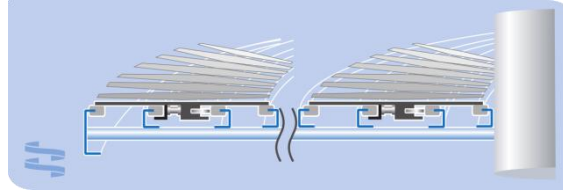
Compact track build up

#942



Heavy duty track build up

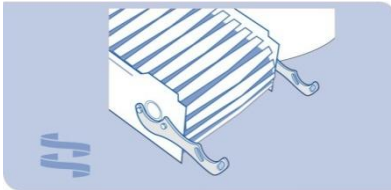
#942



Heavy duty track build up

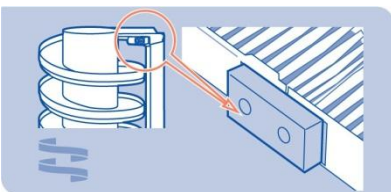
## E) Connections

#463



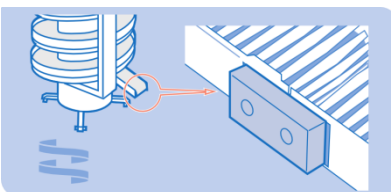
Connection brackets

#465



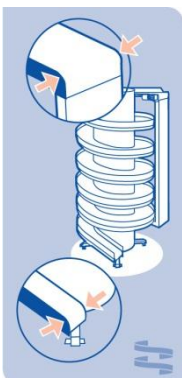
Slave drive upper end

#577



Slave drive lower end

#460



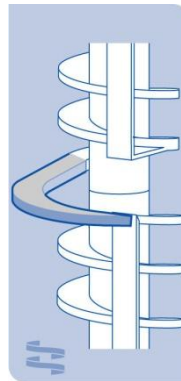
Rounded edged for knife edge connection

#702



Stacked flange

#953



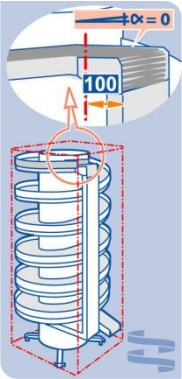
Connection loop

[\(Restrictions Apply; Download Here\)](#)



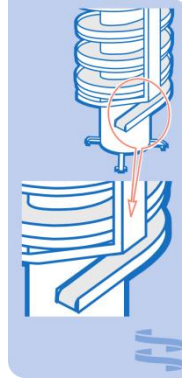
## F) Clearance options

#248



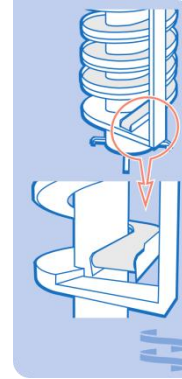
Track upper end 100mm extend for extra product width clearance

#686



Angular return channel

#689



Horizontal return chain underneath Lower-end in order to obtain more vertical clearance



# Guides



1

Frame

2

Belt

3

Guides

4

Accessories

5

Packages

6

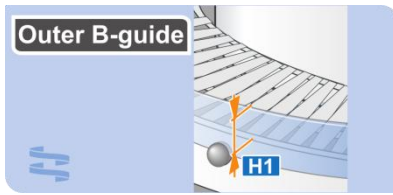
Application

7

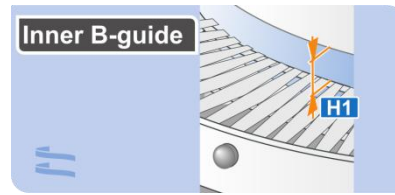
Documentation

## A) B-guides

stainless steel 430 plate



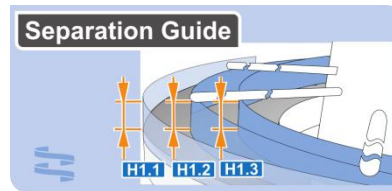
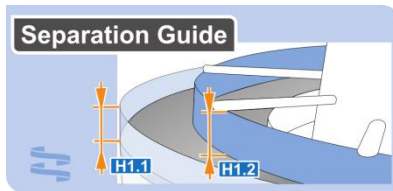
- #292 H1 = 50mm
- #281 H1 = 100mm
- #283 H1 = 175mm
- #282 H1 = 250mm



- #293 H1 = 61mm
- #284 H1 = 111mm

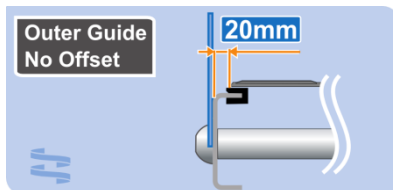
## B) Separation guides

stainless steel 430 plate

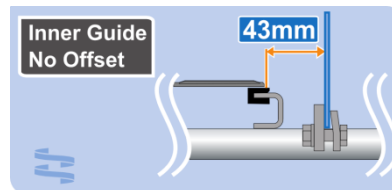


## C) Offset options

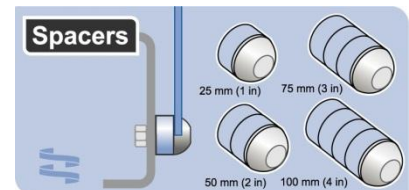
#915



#780

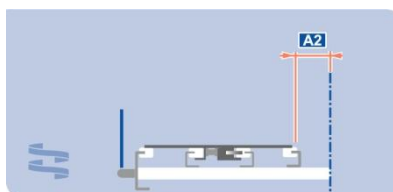


#770



## D) Column space

#928

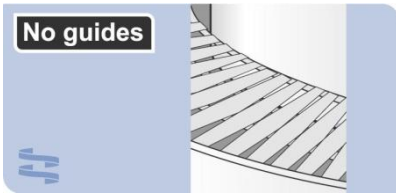


### Gap A2 [mm] between column and track

Belt b [mm]	Central diameter D2 [mm]											
	900		1000		1300		1600		1800		2300	
	Column diameter D4 [mm]	Column diameter D4 [mm]	Column diameter D4 [mm]	Column diameter D4 [mm]	Column diameter D4 [mm]	Column diameter D4 [mm]	Column diameter D4 [mm]	Column diameter D4 [mm]	Column diameter D4 [mm]	Column diameter D4 [mm]	Column diameter D4 [mm]	
100 See SV s	324		324	760	324	760	324	760	324	760	760	
140 See SV s												
200		218		150								
300	118											
400				50								
500				218								
600						318	100			200		

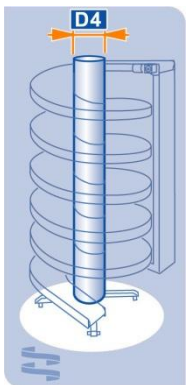
## E) No guides

#294



## F) Column diameter

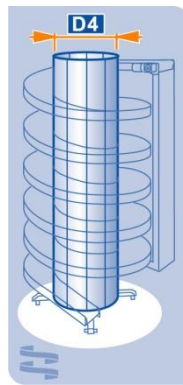
#933



Frame column, tube style

Economic solution for average application

#563



Frame column, full size

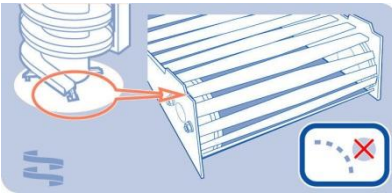
Heavy duty frame for tall and demanding applications

# Accessories SV

## G) Transfer options

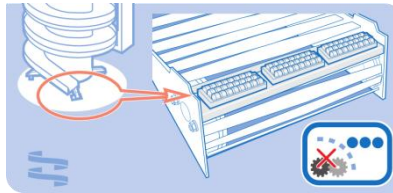


#446



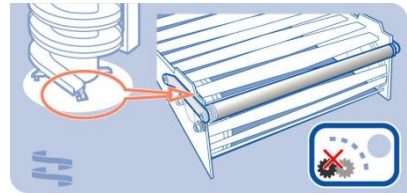
No extra product transfer provisions

#661



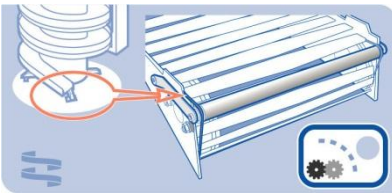
Product transfer plate with rollers (non driven)

#449



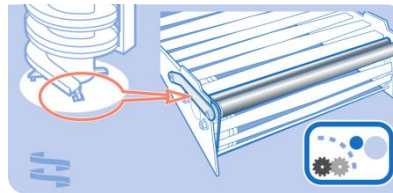
Product transfer rollers 25mm, stainless steel (non driven)

#451



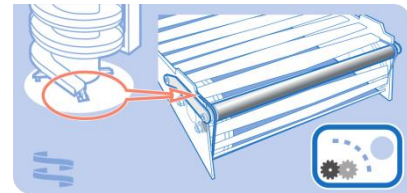
Product transfer rollers 25mm, stainless steel (driven)

#760



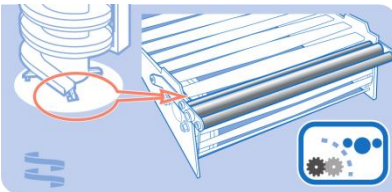
Product transfer micro roller set 12/25mm, stainless steel (driven)

#625



Product transfer grip rollers 25mm, rubber coated (driven)

#454



Triple transfer rollers

1

Frame

2

Belt

3

Guides

4

Accessories

5

Packages

6

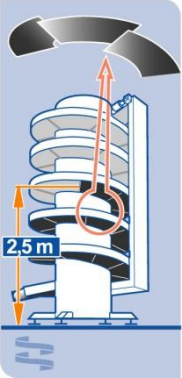
Application

7

Documentation

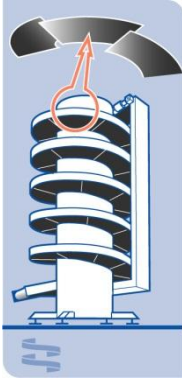
## H) Guarding

#684



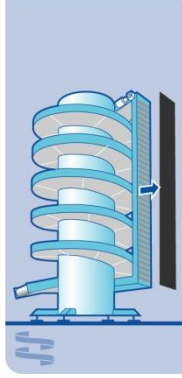
Partial PS underguarding

#683



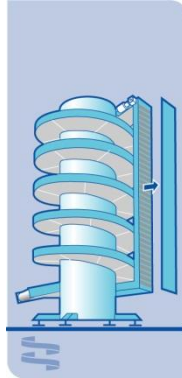
Full height PS underguarding

#951



Return guarding in black ps

#952

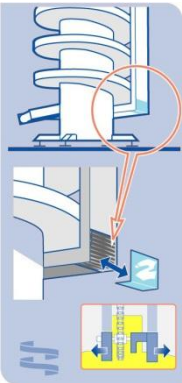


Return guarding in spiral color



## I) Extra service access

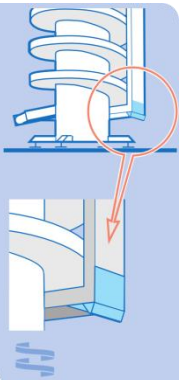
#735



Transparent panel  
Quick release guides  
for maintenance

## J) Funnel

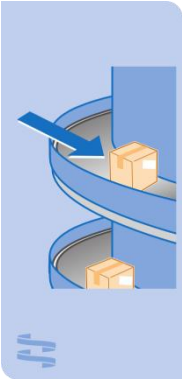
#962



Dirt funnel

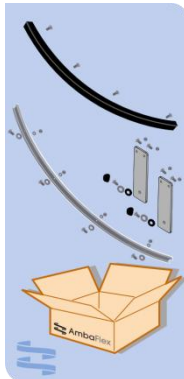
## K) Multi level

#733



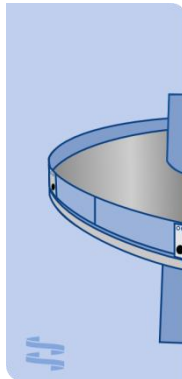
Pre-treated belt friction for "Multi Level" purpose

#732



xx mounting kit(s) for merge-/divert conveyor(s)

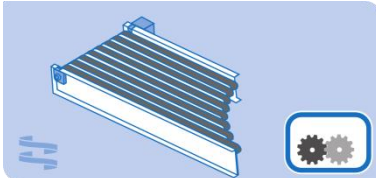
#731



SpiralVeyor prepared for xx merge(s)/divert(s) according drawing

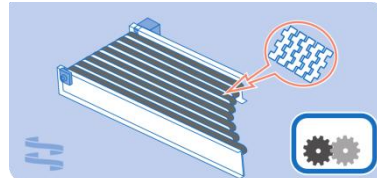
## Connection conveyor, Types

#739



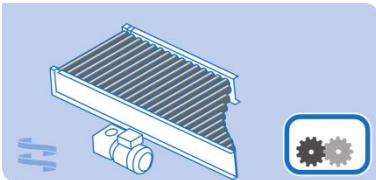
Strip belt conveyor

#740



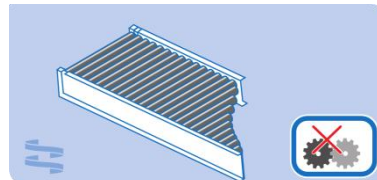
Strip modular belt conveyor

#741



Driven roller conveyor

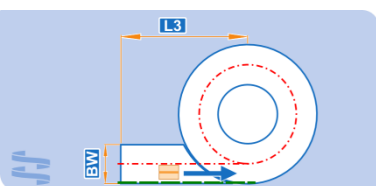
#742



Gravity roller conveyor

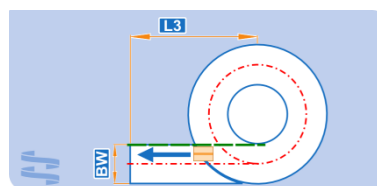
## Connection conveyor, Dimensions

Merge at outer radius



BW = 400mm, 600mm

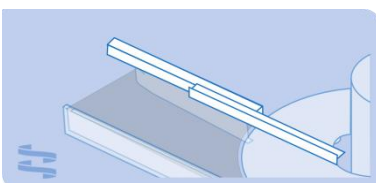
Divert at divert guide side



BW = 400mm, 600mm

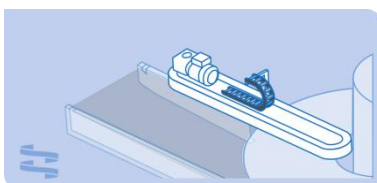
## Divert options

#709



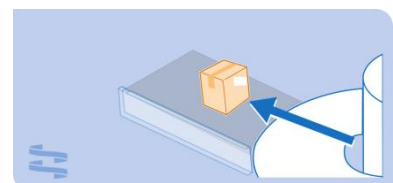
Divert guide

#710



Driven divert belt

#707



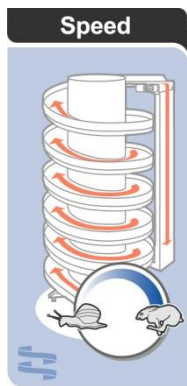
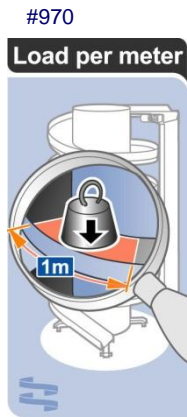
pusher



# Integration / Application

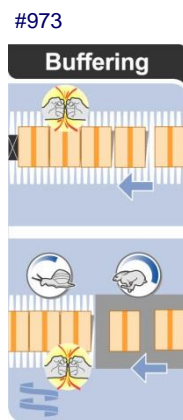


## A) Capacity

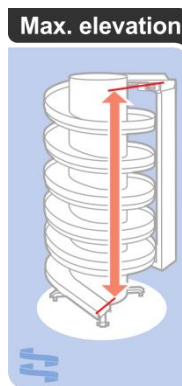


The design frequency range is 18-50hz.

Specials on request.



Unless specified in the □, the SpiralVeyor® is not designed for accumulation of products or belt slip under the product.

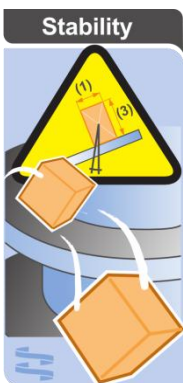


Basically unlimited. Depending on the application, see □.

## B) Product to handle



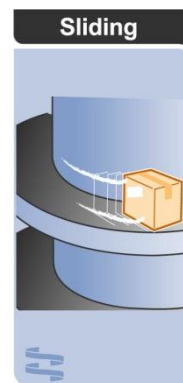
The SpiralVeyor® is designed for a wide range of products. The range of secondary packed products, that the standard configuration can handle is based on good stability and good condition.



Product stability depends on speed, incline angle and acceleration. Illustration is a general rule. In case less stable products must be transported we refer to the □.



Warning: be careful with deformed products and odd shapes.



For information about sliding angles in dry and clean environments. These figures are in combination with the full friction surface TPS slats.

1

Frame

2

Belt

3

Guides

4

Accessories

5

Packages

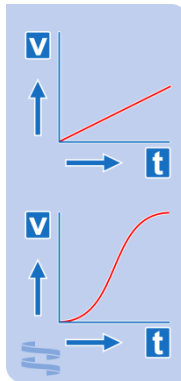
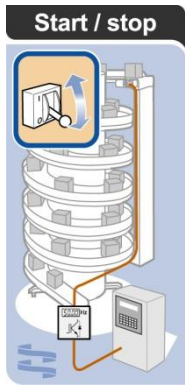
6

Application

7

Documentation

## C) Integration

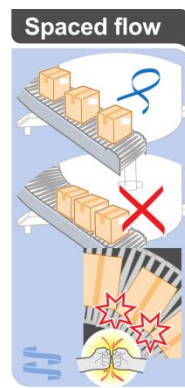


The SpiralVeyor® is designed to run continuously. In case of start/ stop or indexing operation a frequency inverter is required.

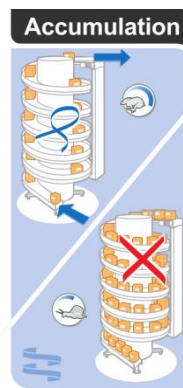
In those cases the acceleration and deceleration time must be set as following:

Linear controls velocity  
 $t [s] = 1,5 * v [m/min]/30$

S-curve controls velocity to limit acceleration and deceleration  
 $t [s] = 1,5 * v [m/min]/60$



Goods should arrive at the SpiralVeyor® with a recommended minimum spacing of 1/3rd of their length



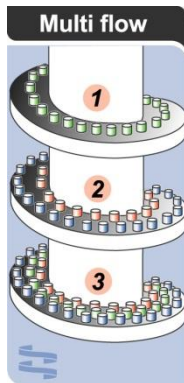
#\*984

The SpiralVeyor® is designed for transporting goods up or down. Only if specified and as recommended in the □, the SpiralVeyor® can be used as an accumulator or buffer. For specialized accumulation concepts see our website at [www.accuveyor.com](http://www.accuveyor.com).



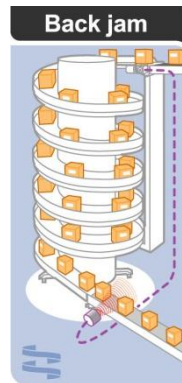
#985

Goods may arrive at the SpiralVeyor® as a mass flow if specified and as recommended in the □. Standard items should be fed individually.

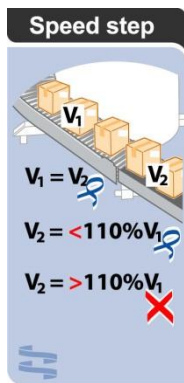


#524

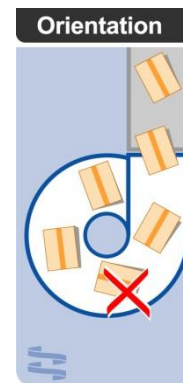
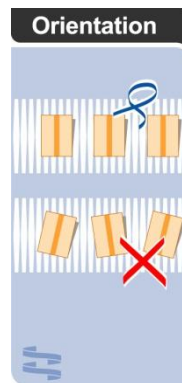
The SpiralVeyor® is standard designed to handle a single stream of products. More parallel rows are possible if mentioned in the □.



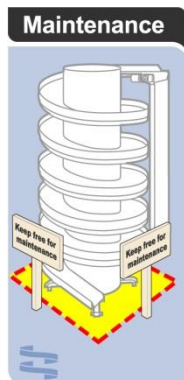
In order to avoid back jamming, a detection device must be installed on the downstream conveyor.



Ideally the speed of the connection conveyor should be similar to the spiral belt speed. If that is not practical a speed difference of less than 10% will be allowed. Notice that speed differences will affect the life time of the belt. The SpiralVeyor® may never be used to pull the required gaps between the goods. In case of a special application we refer to the □.



Products should arrive at the SpiralVeyor® orientated in the direction of flow. Otherwise jamming may occur. Never force an orientation change on the SpiralVeyor® but use upstream conveyors for that purpose. In case of a special application we refer to the □.



We refer to our installation instructions supplied with the SpiralVeyor® for appropriate maintenance access. We recommend to keep that space around the machine free of obstacles. In case the space is not available, maintenance may require more time.