

Elevator

Contents

XSpiral elevator453

Spiral elevator

The Spiral elevator is a compact and high throughput solution for up or down elevation.

No controls are needed. The Spiral provides a continuous product flow and is as simple and reliable as a normal straight conveyor.

The compact spiral-shaped track is the key to its unique compact construction that saves valuable floor space.

The application range is wide, from the handling of individual parcels or totes to handling of packed items such as shrink-wrapped bottle packs or cartons.

The Spiral elevator is applied in filling and packing lines.

Principles of operation

The purpose of the Spiral Elevator is to transport products / goods vertically to bridge a difference of height or to function as buffer zone.

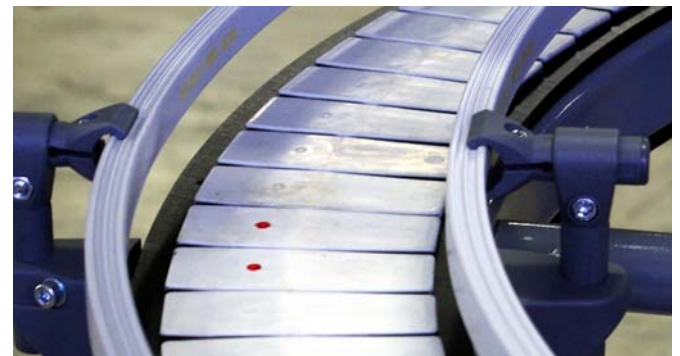


Technical specifications

- 500 mm inclination per winding (9 degree) X65
- 3-8 windings for the Standard Spiral elevator and for Fast track Spiral elevator, 3-4 windings. X65P
- 1000 mm center diameter X85
- Speed 5-60 meter/minute X85P
- Lower height: XH
 - 600, 700, 800,900 or 1000
 - Adjustable -50/+70 mm
- Max load 10 Kg/m XK
- Max product height is 300 mm XKP
- Drive and idler ends are horizontal X180
- Chain width 100 mm X300
- Friction top chain X300
- Steel chain with bearings running on the inner guide rail GR
- Column diameter 160 mm CS
- M8 thread for guide rail XT

Note! Drive end is always at the top of the spiral.

Standard features (not included)



- Standard guide rail brackets WK
- Plastic guide rail XC
- SEW gearmotor type SA37/SA47 XF

Ordering information

Use online configurator when ordering.

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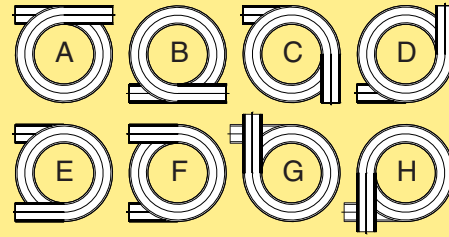
Example of a string obtained from the configurator:

Item no	A	B	C	D	E	F	G	H	I	
5995512	100	-	1000	-500	-S	-A	-TU	-800	-3	-25

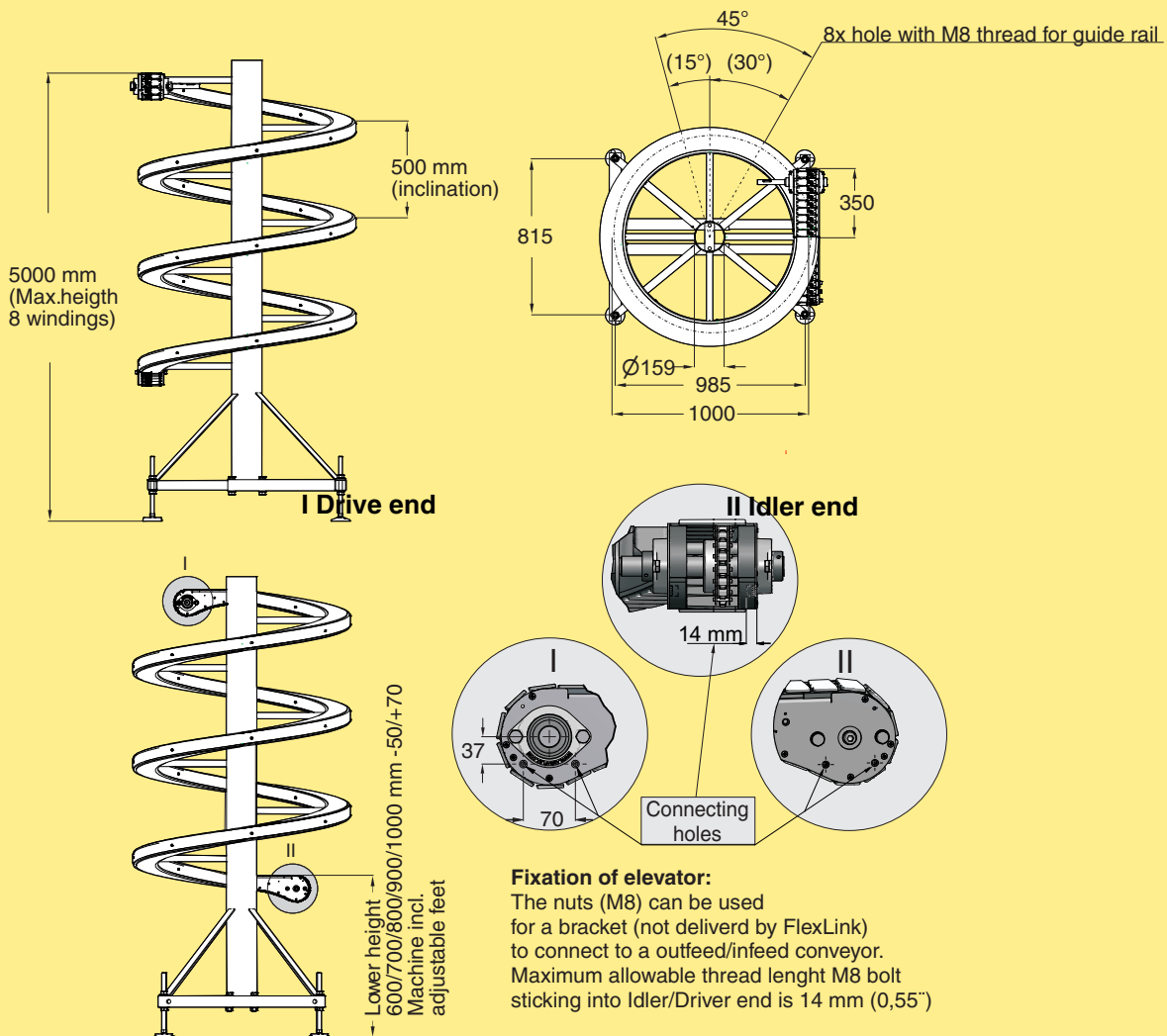
5995512- Item number (Standard)

- A Chain width
- B Spiral center of chain diameter
- C Incline per winding
- D Mild steel (S) material configuration
- E Configuration e.g. A
- F Transport direction up/down TU or TD
- G Lower height 600/700/800/900/1000
- H Number of windings 3-8 (Standard)
- I Shaft diameter 20 mm (SA37), 25 mm (SA47) and 30 mm (SA47)

In/ Out Feed Configurations



Spiral elevator, Standard



Fixation of elevator:
 The nuts (M8) can be used for a bracket (not delivered by FlexLink) to connect to a outfeed/infeed conveyor. Maximum allowable thread lenght M8 bolt sticking into Idler/Driver end is 14 mm (0,55")

Spiral elevator (Standard)
 Lower height 600, 700, 800, 900 or 1000 mm

5995512

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