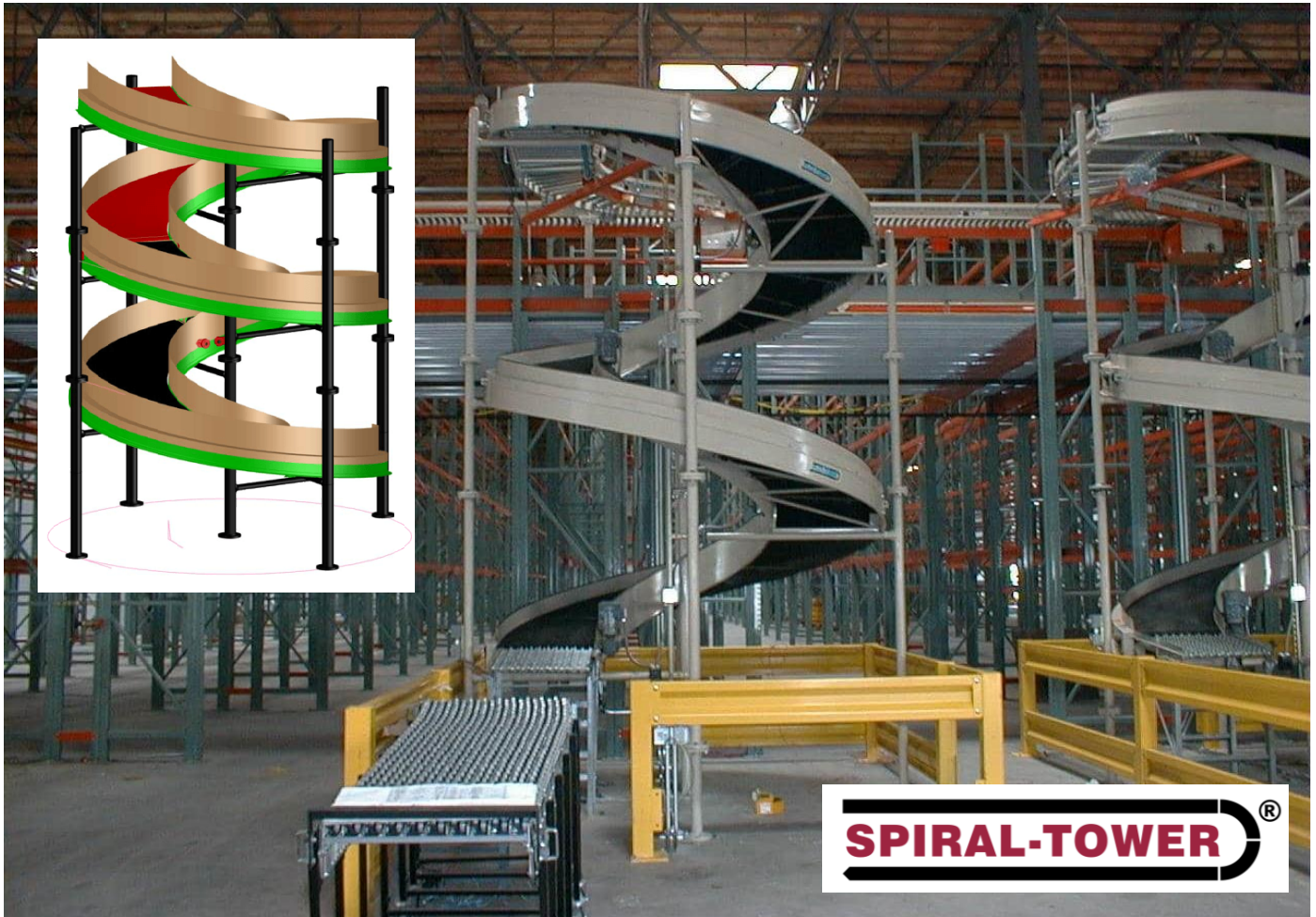




The Next Generation of Turns

Spiral-Tower Power Belt Lifts



FLOW-TURN's **Spiral-Towers** solve elevation change problems when other spirals or lifts can't do the job:

- 10 Ga. Heavy Duty Frames – Superior Reliability
- Product is Conveyed on Belts – Minimum Slippage
- Efficient, Modular Design with Distributed Drives – High Load Capacity & High Elevation Changes Possible
- Loose Belt Technology with Clipper Lacing – Easy Replacement
- Wide Belt Widths Available with Large Speed Range
- Quick Delivery and Small Quantities
- Low Maintenance
- Conforms with All Safety Requirements
- All Production in our Workshop

720-degree Spiral-Tower with 24" Inside Radius
(Model B-SP-24_35-720)

Markets & Applications

- ☐ Warehousing & Distribution
- ☐ Food & Beverage
- ☐ Baggage Handling
- ☐ Industrial & Manufacturing
- ☐ Package & Parcel

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www.flow-turn.com

Custom design is a FLOW-TURN specialty.

We manufacture to rigid specifications and provide answers to unusual requirements.



The Next Generation of Turns

Spiral-Tower Power Belt Lifts

FLOW-TURN's Spiral-Towers are manufactured in multiple segments with a maximum arc of 270-degree. This allows for quick and efficient shipping and installation. As each segment is individually powered, very high elevation differences are possible. Product is conveyed continuously. Bulk flow is possible; product singulation or product metering is not required. High grip or rough-top belting allows to optimize the number of spiral revolutions, often less than with comparable plastic slat spiral systems.

Whenever possible, segments are identical in size and utilize the same belts – this minimizes the amount of spare parts.



900-degree **Spiral-Tower** used in a liquor distribution center. Net elevation difference of 154", consisting of 2x 270-deg. and 2x 180-deg. spiral segments. (Model B-SP-SQ-24_35-900-154). Above right: Spiral-Turn segments prepared for truck shipment



Two (2) 360-degree **Spiral-Towers** B-SP-SQ-34_25-360-52 in CCW-UP-3 configuration, consisting of two (2) Square-Turn Belt Spirals with 2.5" Dia. End Rolls, used in a bag packaging system

About FLOW-TURN

Flow-Turn Inc. is a New Jersey based manufacturer with more than 40 years of experience in the design and build of powered curve conveyors for a large variety of applications, ranging from small production systems to large industrial warehouses.

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The Next Generation of Turns

Spiral-Tower Data Sheet

Spiral-Tower Model Code

Spiral-Towers typically are made from multiple spiral segments of up to 270-degree arcs. Both the tower and each segment is named as shown below:

C-SP-SQ-42_45-900-154

Group Identifier

IR Inside Radius

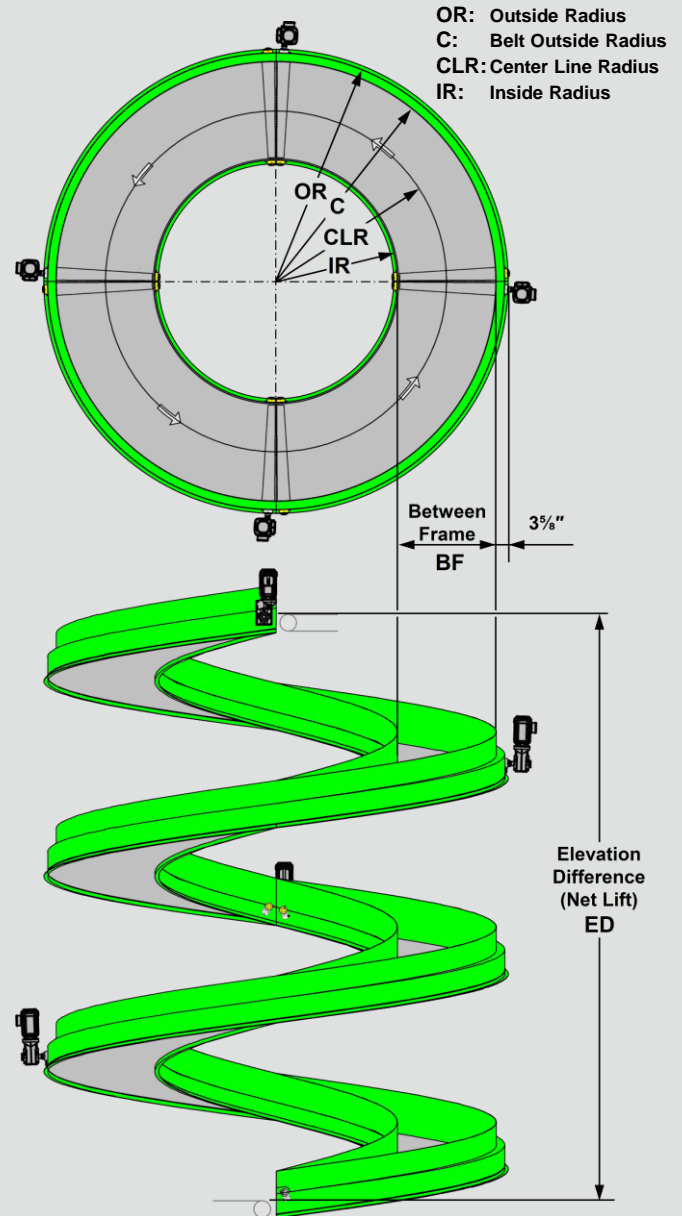
BF Between Frame

ARC Total (Accumulated) Angle

ED Elevation Difference

Group Identifier	Model No.	C Belt Outside Radius	IR Inside Radius	BF Between Frame	CLR Center Line Radius	F Pulley Dia. @ CL
A-SP-SQ (A-SP)	32_15	47"	32"	15"	39.5"	2.90"
	30_17		30"	17"	38.5"	2.84"
	28_19		28"	19"	37.5"	2.77"
	26_21		26"	21"	36.5"	2.70"
	24_23		24"	23"	35.5"	2.64"
	22_25		22"	25"	34.5"	2.57"
B-SP-SQ (B-SP)	36_23	59"	36"	23"	47.5"	3.09"
	34_25		34"	25"	46.5"	3.02"
	32_27		32"	27"	45.5"	2.96"
	30_29		30"	29"	44.5"	2.65"
	28_31		28"	31"	43.5"	2.60"
	26_33		26"	33"	42.5"	2.55"
	24_35		24"	35"	41.5"	2.50"
	22_37		22"	37"	40.5"	2.44"
C-SP-SQ (C-SP)	62_25	87"	62"	25"	74.5"	3.00"
	60_27		60"	27"	73.5"	2.96"
	58_29		58"	29"	72.5"	2.92"
	56_31		56"	31"	71.5"	2.89"
	54_33		54"	33"	70.5"	2.85"
	52_35		52"	35"	69.5"	2.81"
	50_37		50"	37"	68.5"	2.78"
	48_39		48"	39"	67.5"	2.74"
	46_41		46"	41"	66.5"	2.70"
	44_43		44"	43"	65.5"	2.67"
	42_45		42"	45"	64.5"	2.63"
	40_47		40"	47"	63.5"	2.59"
	38_49		38"	49"	62.5"	2.56"
X-SP-SQ (X-SP)	Special Spiral-Tower Sizes Upon Request					

General Overview



Common Dimensions

Group Identifier	OR Outside Radius	C Belt Outside Radius	FH Frame Height
A	50.625"	47"	6.75"
B	62.625"	59"	8.75"
C	90.625"	87"	8.75"

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Direction of Flow and Entry/Exit Options

Flow-Turn Spiral-Towers can convey up or down and come in a variety of flow configurations.

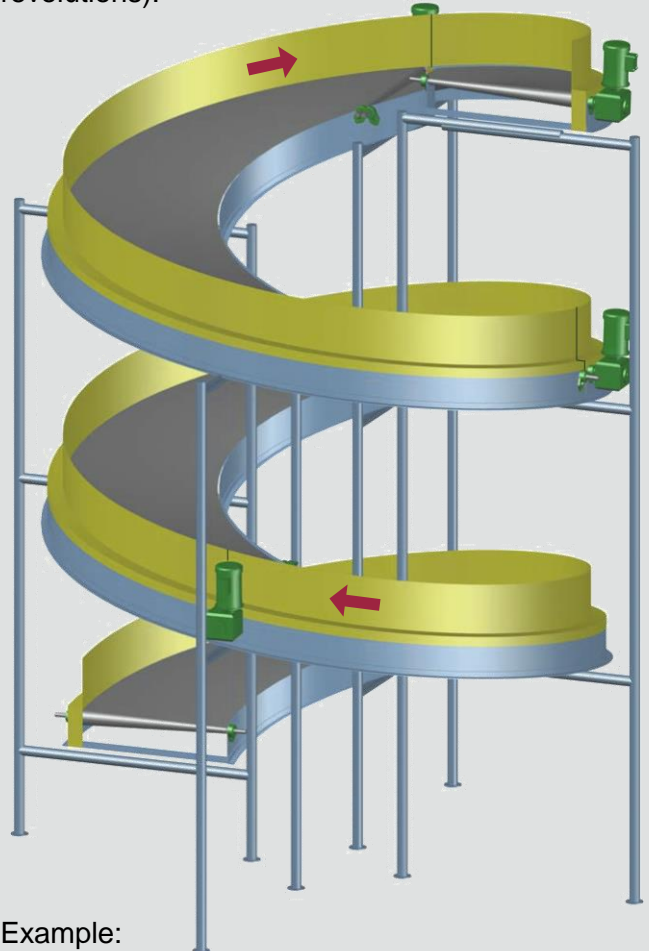
Please see the table below for standard configurations:

CONVEYING UP		CONVEYING DOWN	
CW	CCW	CW	CCW
CW-UP-1	CCW-UP-1	CW-DN-1	CCW-DN-1
CW-UP-2	CCW-UP-2	CW-DN-2	CCW-DN-2
CW-UP-3	CCW-UP-3	CW-DN-3	CCW-DN-3
CW-UP-4	CCW-UP-4	CW-DN-4	CCW-DN-4
CW-UP-5	CCW-UP-5	CW-DN-5	CCW-DN-5
CW-UP-6	CCW-UP-6	CW-DN-6	CCW-DN-6

Note: Straight conveyors shown in light gray are not part of the Spiral-Tower and are to be provided separately

Configuration Example

Spiral-Tower **CW-UP-3** consisting of four (4) segments for a total of 900 degrees (2.5 full circle revolutions):



Example:

Spiral-Tower B-SP-24_35-900-154 consisting of:

3x Spiral-Turn B-SP-24_35-270-46.2
1x Spiral-Turn B-SP-24_35-90-15.4

Sizes and options given are only a small example of the power belt lifts made by Flow-Turn. Please inquire if your project requires other sizes or has special requirements.

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Please refer to the Data Table on the front page for detailed dimensions and technical specs.