

# Belt Curves: Spiral Lift

## > Continuous Vertical Unit Handling

The answer to your vertical conveying needs

### Spiral-Lift Applications

- Beverages
- Printing Plants/Newspapers
- Mail Order Companies
- Distribution Centers
- Factories
- Airport Baggage Handling
- Medical Devices
- Food Processing Facilities

### Convey It Up or Down

- Saves floor space
- Requires no metering, accumulation or indexing
- Positive drive belt system means no end roll slip
- Wide selection of entry and exit combinations
- Custom designed for your particular operation
- Durable all steel construction
- Fully assembled or modular construction
- High conveying speeds available
- Steep angles of incline/decline available (over 21° @ centerline)
- Wide belt widths available
- Over 40 years experience building spiral belt conveyors
- No exposed pinch points over or under belt

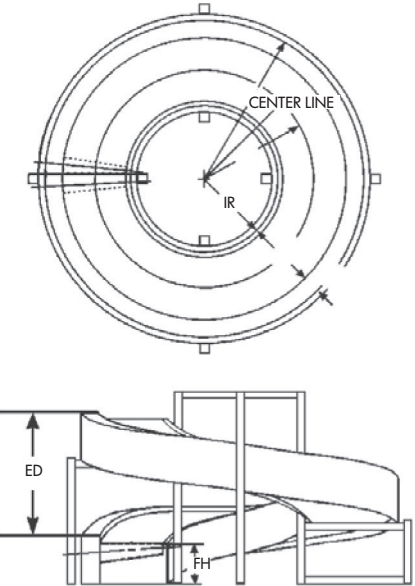


# SPIRAL-LIFT

## Technical Specifications

Sprocket size	17	27	40
<b>General Technical Data</b>			
<b>Max Load Capacity per module</b>	50 lbs/ft	50 lbs/ft 75 lbs/ft w/ Single Bedrolls 150 lbs/ft w/ Double Bedrolls	50 lbs/ft 75 lbs/ft w/ Single Bedrolls 150 lbs/ft w/ Double Bedrolls
<b>Max Module Load</b>	290 lbs OCR <=37"	500 lbs OCR <=87"	500 lbs OCR <=168"
<b>Conveyor Speed At CL</b>	0 - 140 fpm	0 - 300 fpm	0 - 350 fpm
<b>Max Ed per 360°</b>	Angle Dependent on OCR	Angle Dependent on OCR	Angle Dependent on OCR
<b>Ambient temperature</b>	-20°F to 225°F (-29°C to 107°C)	-20°F to 225°F (-29°C to 107°C)	-20°F to 225°F (-29°C to 107°C)
<b>Drive Data</b>			
<b>Rated voltage</b>	400V / 50HZ / 3PH 460V / 60HZ / 3PH 110V / 220V / 60HZ / 1PH	400V / 50HZ / 3PH 460V / 60HZ / 3PH 110V / 220V / 60HZ / 1PH	400V / 50HZ / 3PH 460V / 60HZ / 3PH 110V / 220V / 60HZ / 1PH
<b>Power</b>	.5HP - 2HP	.5HP - 5HP	.5HP - 7.5HP
<b>Motor Type</b>	Gear Motor	Gear Motor	Gear Motor
<b>Drive Mount</b>	Shaft Mounted OR	Shaft Mounted OR	Shaft Mounted OR
<b>End Roll Diameter</b>	3 in	5 in	7.5"
<b>Materials</b>			
<b>Belt Material</b>	PHR 2-160 GR11 RTxBB Black Others upon Request	PHR 2-160 GR11 RTxBB Black Others upon Request	PHR 2-160 GR11 RTxBB Black Others upon Request
<b>Construction</b>	12 gauge / 2.5mm	12 gauge / 2.5mm	12 gauge / 2.5mm
<b>Shaft Size</b>	1" - 1-3/16" 25mm - 30mm	1-3/16" - 1-7/16" 30mm - 40mm	1-7/16" - 1-15/16" 35mm - 45mm
<b>Drive Chain</b>	Tsubaki #50 Sidebow	Tsubaki #50 Sidebow	Tsubaki #50 Sidebow
<b>Finish</b>	RAL DTM	RAL DTM	RAL DTM
<b>Bearing</b>	Peer MHS	Peer MHS	Peer MHS
<b>Dimensions</b>			
<b>Frame Height</b>	7 in / 177mm	8.5 in / 216mm	12 in / 305mm
<b>Module Arc</b>	Dependent on IR and LW	Dependent on IR and LW	Dependent on IR and LW
<b>Inner Radius (IR)</b>	20" - 87"	20" - 87"	20" - 90"
<b>LW Clearance (BSG)</b>	Dependent on IR	Dependent on IR	Dependent on IR
<b>Min TOB Height</b>	7 in / 177mm	8.5 in / 216mm	12 in / 305mm
<b>Side Guards</b>	0" - 12"	0" - 12"	0" - 12"
<b>Options</b>			
<b>Underguarding</b>	Expanded Metal Solid Steel Plastic Mesh	Expanded Metal Solid Steel Plastic Mesh	Expanded Metal Solid Steel Plastic Mesh
<b>Drive Mount Styles</b>			
<b>Drip Pan</b>	Standard Standard w/ Drain Plug	Standard Standard w/ Drain Plug	Standard Standard w/ Drain Plug

### Spiral Belt Conveyor



### > Application Specials

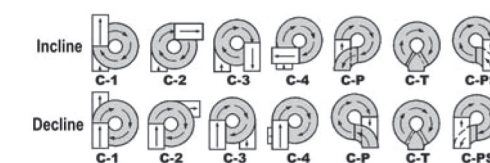
Interroll can design and build the Spiral-Lift to meet your special application requirements.

### > Positive Drive Belt System

The conveyor belt is positively driven by a shaft mounted sprocket engaging a precision sidebow chain which is attached directly to the outside edge of the belt. This positive drive system is unaffected by changes in loading, tension, temperature, humidity, and foreign material on the belt. The positive drive belt system ensures continuous, reliable operation even in harsh and difficult environments with minimal maintenance.

### Entry/Exit Orientation

Clockwise (Right-hand)



Counter-Clockwise (Left-hand)

