

# Belt Curves: Spiral Curves

## SPIRAL CURVE

### > Elevation and Directional Unit Handling

#### Proven Interroll Technology

- High speed capacity
- Low noise operation
- Positive drive belt system means no end roll slip
- Rugged steel construction - no shortcuts, such as wood components
- Low belt tension for long component life
- Wide conveying widths available
- Simplified maintenance enhancements
- Complies with latest safety standards
- Over 57 years experience  
Interroll invented the Spiral Curve belt conveyor



### Getting up and around made easy...

#### Interroll Spiral Curve

#### > 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.

### Technical Specifications

Sprocket size	17	27	40
<b>General Technical Data</b>			
<b>Max Load Capacity</b>	30 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 Conveyor Load</b>	250 lbs OCR <=47"	500 lbs OCR <=87"	500 lbs OCR <=87"
<b>Conveyor speed at CL</b>	0 - 250 fpm	0 - 350 fpm	0 - 350 fpm
<b>Inclined / Declined</b>	Angle Dependent on OCR	Angle Dependent on OCR	Angle Dependent on OCR
<b>Ambient temperature</b>	5° - 176° F	5° - 176° F	5° - 176° F
<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	Shaft Mounted	Shaft Mounted
<b>OR End Roll Diameter</b>	3 in	5 in	7.5"
<b>Materials</b>			
<b>Belt Material</b>	PHR 2-160 GR11 RTxBB Black PHR2-160 LI 3/64 X BB Others upon Request	PHR 2-160 GR11 RTxBB Black PHR2-160 LI 3/64 X BB Others upon Request	PHR 2-160 GR11 RTxBB Black PHR2-160 LI 3/64 X BB 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" - 1-7/16" 25mm - 35mm	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>Angle</b>	15 - 180 Degrees	16 - 180 Degrees	17 - 180 Degrees
<b>Inner Radius (IR)</b>	12" - 87"	17" - 87"	17" - 168"
<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" - 21"	0" - 21"	0" - 21"
<b>Options</b>			
<b>Underguarding</b>	Expanded Metal Solid Metal Pinned Solid Steel Plastic Mesh	Expanded Metal Solid Metal Pinned Solid Steel Plastic Mesh	Expanded Metal Solid Metal Pinned Solid Steel Plastic Mesh
<b>Drive Mount Styles</b>			
<b>Mark and Tag</b>	Vinyl Stencil	Vinyl Stencil	Vinyl Stencil
<b>Supports</b>	2" Square tubing 3" Square Tubing H/S Supports Floor Blocks Ceiling Hanger	2" Square tubing 3" Square Tubing H/S Supports Floor Blocks Ceiling Hanger	2" Square tubing 3" Square Tubing H/S Supports Floor Blocks Ceiling Hanger
<b>Drip Pan</b>	Standard Standard w/ Drain Plug	Standard Standard w/ Drain Plug	Standard Standard w/ Drain Plug

