

Belt Curves: Interroll Portec Belt Curve

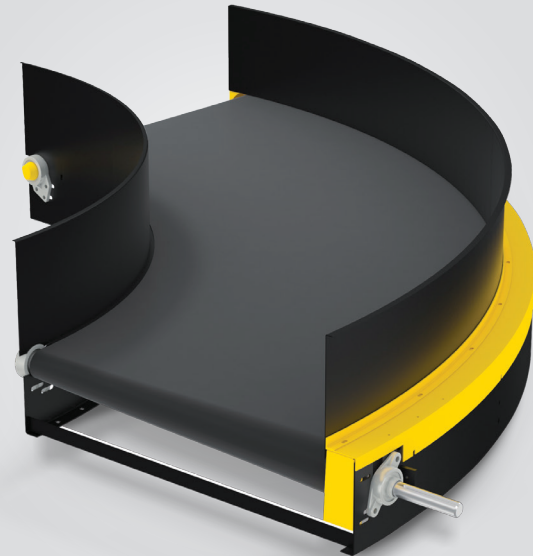
INTERROLL PORTEC BELT CURVE

> Interroll Portec Belt Curve

The Interroll Portec Belt Curve has been specifically designed to provide trouble-free performance for many years in a variety of applications.

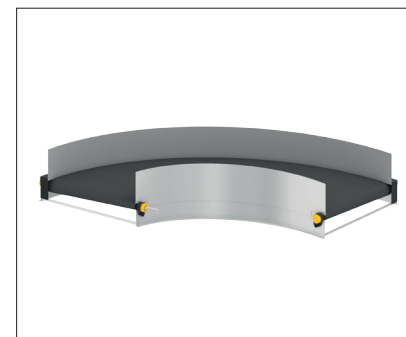
Proven Interroll Portec Technology

- Smooth product transfers
- Low noise operation
- Complies with latest safety and sanitary standards
- Wide conveying widths available
- Custom designed for your specific application
- Low belt tension for long component life
- Rugged steel construction - no shortcuts or inferior materials
- Positive drive belt system means no end roll slip
- Simplified maintenance enhancements



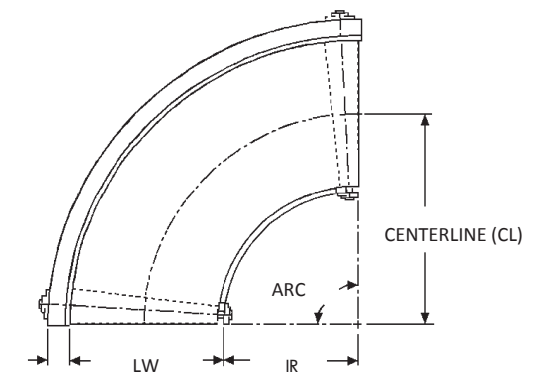
The design accommodates many variations in width, arc, and weight conveyance. The laced belt can be changed within a very short time and does not require the removal of the drive package. Our Belt Curve can operate in much higher and lower ambient temperatures than a friction-driven conveyor and reaches speeds of more than 3 meters per second (600+ feet / minute).

The combination of heavy duty equipment, durability and simple maintenance matched with quiet, high speed operation make Interroll the company of choice for material handling professionals the world over.



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
General Technical Data			
Max Load Capacity	30 lbs./ft.	50 lbs./ft. w/o Bedrolls 75 lbs./ft. w/o Single bedrolls 150 lbs./ft. w/o Double bedrolls	50 lbs./ft. w/o Bedrolls 75 lbs./ft. w/o Single bedrolls 150 lbs./ft. w/o Double bedrolls
Max Conveyor Load	250 lbs. OCR <=47" OCR	500 lbs. OCR <=87"	500 lbs. OCR <=168"
Conveyor speed at CL	0 - 250 FPM	0 - 375 FPM	0 - 560 fpm
Ambient temperature	5° - 176° F	5° - 176° F	5° - 176° F
Drive Data			
Rated voltage	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
Power	.5HP - 2HP	.5HP - 5HP	5HP - 7.5HP
Motor Type	Gear Motor	Gear Motor	Gear Motor
Drive Mount	Shaft Mounted	Shaft Mounted	Shaft Mounted
End roll diameter at OR	3 in	5 in	7.5 in
Materials			
Belt Material	Flexam EF 10/2 0+A22 Black AS FR Others upon request	Flexam EF 10/2 0+A22 Black AS FR Others upon request	Flexam EF 10/2 0+A22 Black AS FR Others upon request
Construction	12 Gauge Steel / 2.5 mm	12 Gauge Steel / 2.5 mm	12 Gauge Steel / 2.5 mm
Shaft Size	1" - 1-3/16" 25mm - 30mm	1-3/16" - 1-7/16" 30mm - 35mm	1-7/16" - 1 15/16" 35mm - 45mm
Drive Chain	Tsubaki #50 Sidebow	Tsubaki #50 Sidebow	Tsubaki #50 Sidebow
Finish	RAL DTM	RAL DTM	RAL DTM
Bearing	Peer MHS	Peer MHS	Peer MHS
Dimensions			
Frame Height	7 in / 177 mm	8.5 in / 216 mm	12 in / 305 mm
Angle	15 - 180 Degrees	15 - 180 Degrees	15 - 180 Degrees
Inner Radius (IR)	12" - 87"	17" - 87"	17" - 168"
LW Clearance (BSG)	Dependent on IR	Dependent on IR	Dependent on IR
Min TOB Height	7 in / 177mm	8.5 in / 216 mm	12 in / 305 mm
Side Guards	0" - 12"	0" - 12"	0" - 12"
Options			
Vulcanized Unit			
Drip Hands Optional			
Drive Mount Style			
Nickel Plate Components			
Underguarding	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
Supports	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