SpanTech®

... your Material Handling Specialist

V6-8 Series

MultiSpan® and MiniLink®

SpanTech

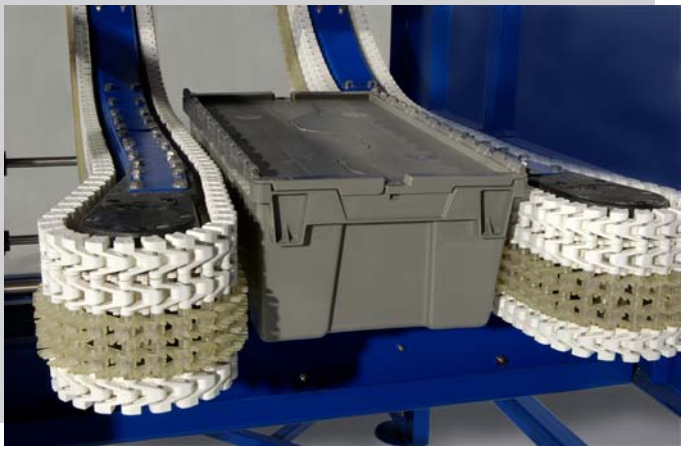
SpanTech — Your Material Handling Specialist

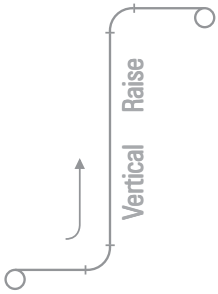
SpanTech

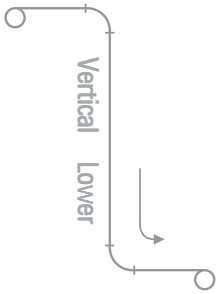
Material Handling Systems that do more than transport ... they DELIVER.

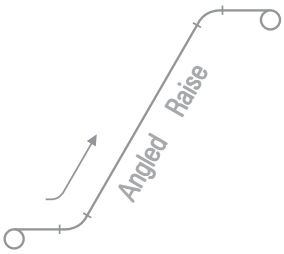
The SpanTech WG-Series Wedge unit is designed to move product vertically up or down. The Wedge is a classic all-mechanical design, requiring no sensors or computer interface. The WG-Series offers the simple reliability of all-mechanical movement; it grabs the parts on the sides, and off they go. All products in a given production run must be the same size and must be rigid, like cartons or other containers. Wedge units are available in an abundance of configurations to suit your layout.

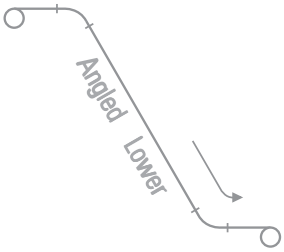
Each WG-Series Wedge unit is built and backed by SpanTech, a company that has earned its reputation as one of the finest in the material handling industry. Founded in 1978, SpanTech provides conveyors and material handling systems to customers in locations around the world.

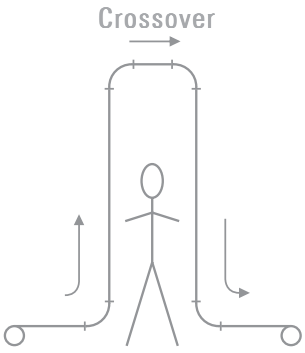












SpanTech — Your Material Handling Specialist

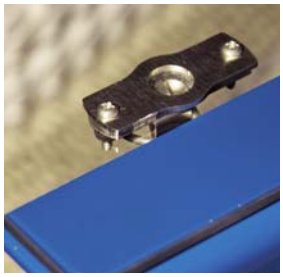
WG-Series

Engineered for dependable, nearly maintenance-free operation. Configurable for a wide variety of applications.

The WG-Series Wedge Conveyors are ideal for applications where elevation changes are required with very little floor space. They can raise and lower bottles, cartons, cases, and a wide variety of other products, provided that all products in a given production run are of the same size. The Wedge Units are available in two models: the MiniLink for lightweight products, and the MultiSpan for heavier products.

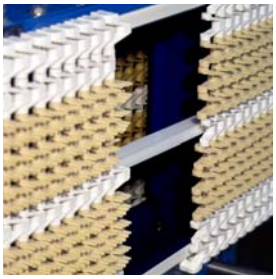
Features & Benefits

- *Two models available to suit a variety of Wedge conveyor applications*
- *Variable speed range available*
- *No computers, software, or logic components needed*
- *Flared entrance and exit for gentle product release*
- *Choice of Santoprene or Polyurethane chain (MultiSpan model) provides durability and quiet operation*
- *Identical design for inclining or declining*
- *Speeds of up to 180 fpm (higher speeds available following engineering evaluation)*
- *Elevation changes of up to 30 feet*
- *Readily interfaces with SpanTech conveyors or other existing conveyors*
- *No catenary takeup – chain remains captured to the frame at all times*
- *Compact design saves valuable floor space*
- *Optional "adjustable" version accommodates changes in product size and pinch pressure*
- *Available with powder coated steel or all-stainless construction*
- *Stainless steel drive and idler shafts are standard*
- *Stainless steel fasteners are standard*



Safety Guarding

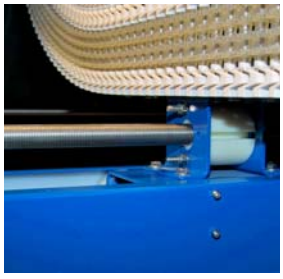
The Wedge unit is fully guarded. Plastic panels are hinged and equipped with latches for both convenience and safety. The swing of each panel is reversible, and the panels can only be opened with a screwdriver.



Serviceability

Chain can be taken apart at any link

Handcrank & Counter – Adjustable version



Width adjustment mechanism is corrosion-proof and washdown tolerant

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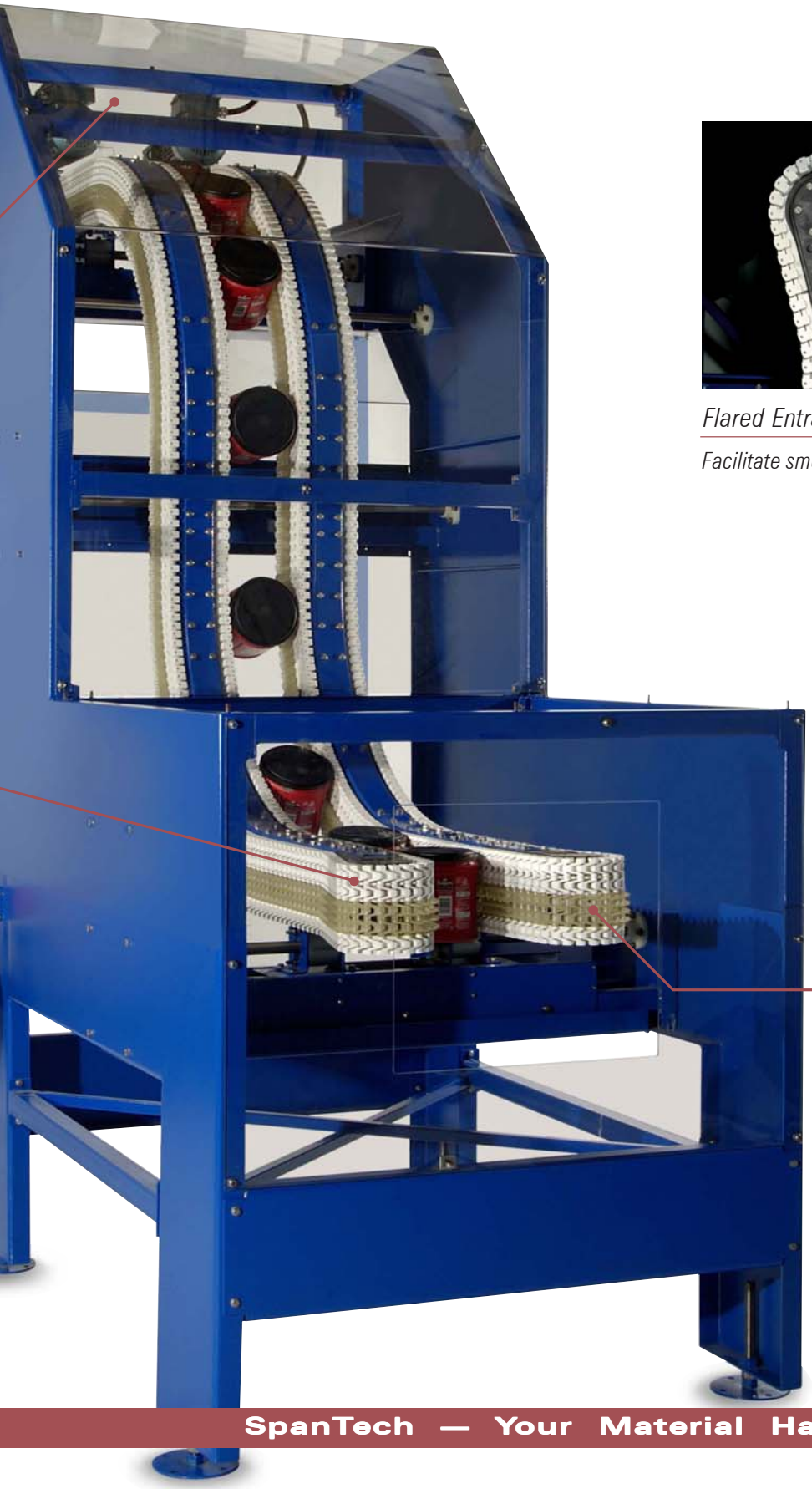
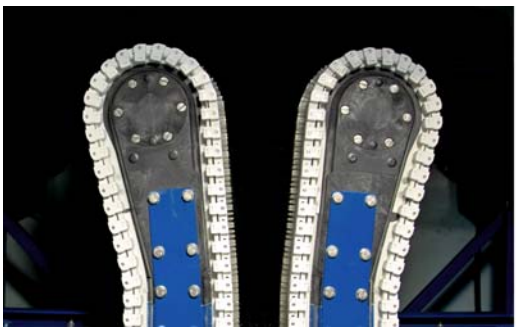
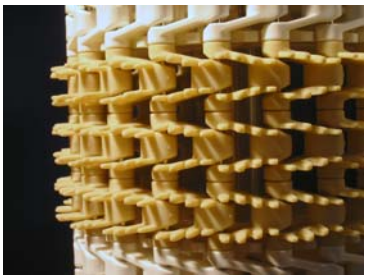
SpanTech





Flared Entrance and Exit

Facilitate smooth product transitions

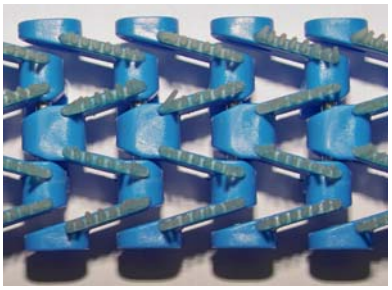


Continuous Gripping Chain Surface

V-shape of high-friction brush provides a continuous gripping contact. Chain links intermesh for smooth, secure grip. Santoprene links for delicate products; Polyurethane links for products with more abrasive surfaces.

MiniLink

MiniLink Wedge Conveyor

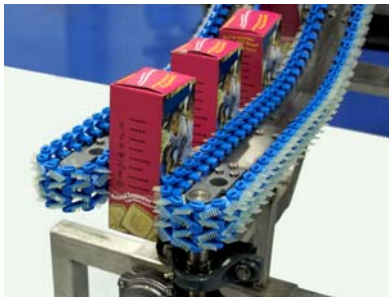


SpanTech's WG-MIN MiniLink Wedge Conveyor, with its 2.36" [60mm] wide, 0.4" [10mm] Brush-Top Polyurethane chain, is ideal for small products. The MiniLink Wedge can accommodate a range of lightweight products, from 1" [25.4mm] to 10" [254mm] in height. Product width is adjustable from zero to 12" [305mm]. The conveyor uses an all stainless steel "I-Beam" frame, eliminating plastic wear strips and providing a cleaner, washdown-tolerant design. Support structures of powder-coated steel or stainless steel are available.

The MiniLink Wedge Conveyor is offered in a standard "positionable" version and an optional, fully adjustable version. The positionable unit is designed to be set for a single product width and then manually locked in that position. The fully adjustable unit can accommodate a variety of product widths by a few turns of the handwheel.

Ideal for . . .

Bottles

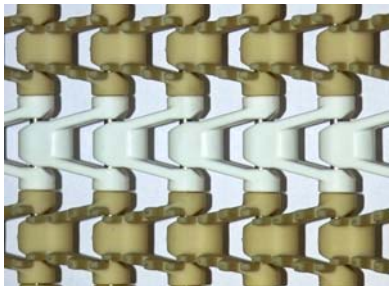


Smaller cartons

Irregularly shaped products

MultiSpan

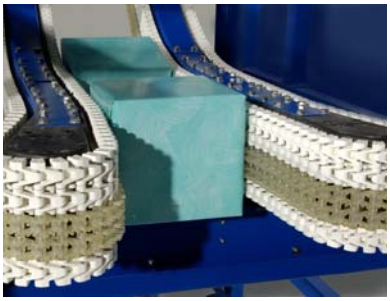
MultiSpan Wedge Conveyor



The SpanTech WG-MUL MultiSpan Wedge Conveyor, featuring both Santoprene and Polyurethane chain, is ideal for larger, heavier products. The MultiSpan Wedge can accommodate product sizes from as small as 2" [51mm] up to 24" [610mm] in height. Product width is adjustable from zero to 24" [610mm]. Support structures of powder-coated steel or stainless steel are available.

Like the MiniLink Wedge, the MultiSpan Wedge Conveyor is offered in both "positionable" and fully adjustable versions. The positionable version is designed to be adjusted to a single product width and then manually locked in that position. The fully adjustable version can accommodate a variety of product widths by a few turns of the handwheel.

Ideal for . . .



Rectangular cartons

Cylindrical containers

Non-cylindrical containers

Easy steps to determine your Wedge Unit model, size and layout ...

1 Determine the model of Wedge Unit you need to fit your application

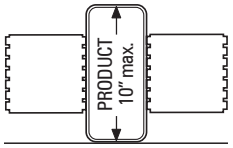
- *The decision to select a MiniLink or MultiSpan Wedge Unit is based on 3 factors:*

  1. Maximum height of your product

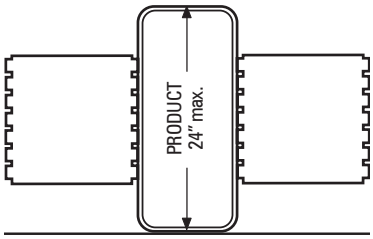
  2. Maximum running speed of Wedge Unit

  3. Total product load in Wedge Unit

  Please choose the appropriate Wedge Unit model (MiniLink or MultiSpan) using the table below:



MiniLink

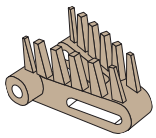


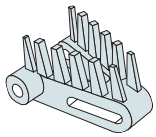
MultiSpan

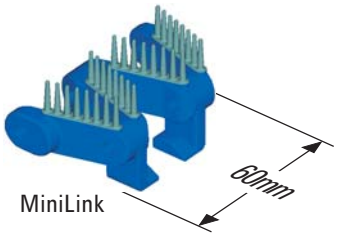
	MiniLink	MultiSpan
Product Height Capacity	*1 - 10" / 25.4 - 254mm*	*2 – 24" / 50.8 - 609.6mm*
Maximum Speed	*130 fpm / 39 mpm*	*180 fpm / 55 mpm*
Maximum Total Product Load	*This is Product Family dependent. Please see Load Charts in following section.*	

NOTE

Determination of recommended chain material (Step 2) and chain width (Step 3) applies only to MultiSpan Wedge Units. MiniLink chain is available in 60mm-wide Polyurethane only.


MultiSpan Santoprene


MultiSpan Polyurethane



MiniLink

2 For MultiSpan Wedge Units – Use the Table below to determine your Product Family and the appropriate recommended chain material

Product Family	Recommended Chain Material
Corrugated Cardboard	*Polyurethane*
Printed Cardboard	*Santoprene*
Textured Plastic	*Santoprene*
Wet Non-Textured Plastic	*Santoprene*
Dry Metal / Glass	*Santoprene*

3 For MultiSpan Wedge Units – Determine the appropriate chain width for your product

Height of Product (inches)	Recommended Chain Width
2.0 – 6.9"	*6.13" / 155.6mm*
7.0 – 11.9"	*7.31" / 185.6mm*
12.0 – 16.9"	*8.49" / 215.6mm*
17.0 – 21.9"	*9.67" / 245.6mm*
22.0 – 24.0"	*10.85" / 275.6mm*

4 Determine the minimum gap required for your product

- *The spacing between products ("gap") is critical to the layout of the Wedge Unit. If the gap is too small, products could contact and interfere with each other through the curves. Use the following formula to determine the minimum gap for your product.*

INCHES

$$Gap_{min} = \frac{(L+1)}{\left[\frac{2R}{H}\right] - 1}$$

MM

$$Gap_{min} = \frac{(L+25.4)}{\left[\frac{2R}{H}\right] - 1}$$

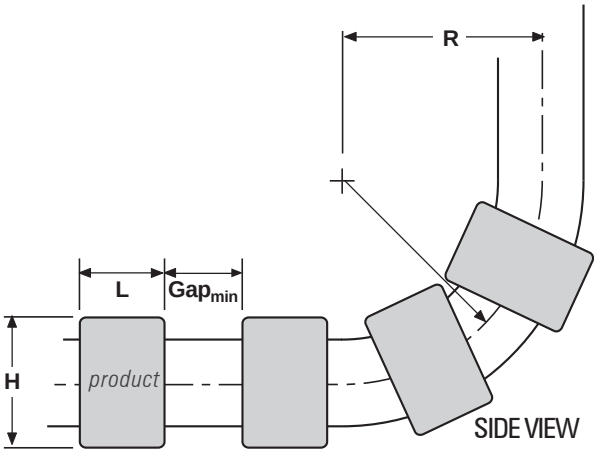
Chain Width	Radius of Curve
6.13" / 155.6mm	21.0" / 533.4mm
7.31" / 185.6mm	22.81" / 579.4mm
8.49" / 215.6mm	26.49" / 672.8mm
9.67" / 245.6mm	30.45" / 773.4mm
10.85" / 275.6mm	33.85" / 859.8mm

R = Radius of curve (see table at right)

H = Height of product

L = Length of product

Gap_{min} = Minimum gap required for your product



- *If your incoming product does not meet the minimum gap requirements, you may increase the velocity of the Wedge Unit to pull the needed gap. Use the basic formula below to find the necessary velocity of the Wedge Unit.*

$$V_W = V_O \left[\frac{L + Gap_{min}}{L + Gap_i}\right]$$

V_w = Desired velocity of Wedge Unit (fpm / m/min)

V_o = Initial velocity of incoming conveyor (fpm / m/min)

Gap_{min} = minimum gap required (found in previous step)

Gap_i = initial product gap (before entering Wedge Unit)

NOTE
The formula at left is suitable for use with Metric units [mm] or English units [decimal feet].

NOTES

Maximum velocity of a standard MultiSpan Wedge Unit is 180 fpm (55 mpm). Please contact SpanTech if your velocity requirements exceed this limit.

Wedge conveyors must be equipped with a Variable Frequency Drive (VFD) with soft start/stop capability. The VFD can be customer-supplied or provided by SpanTech.

A special MultiSpan Wedge Unit has been designed specifically for the paper converting industry. Contact SpanTech for more information on this specialized Unit.

5 Refer to "Dynamic Load Capacity" Charts on the following pages

Dynamic Load Capacity (U.S. Standard Units) — All Product Families @ 75 ft/min

Chart is based on Standard Conveyor layouts with 90° bend angles and minimum curve radii for each chain width

Overall Total Product Load Capacity of Wedge Unit

	6 ft. offset Total Product Load	*10 ft. offset* Total Product Load	*15 ft. offset* Total Product Load
Product Family			
Corrugated Cardboard	*8.9 lbs*	*7.3 lbs*	*5.6 lbs*
Printed Cardboard	*9.7 lbs*	*7.8 lbs*	*5.9 lbs*
Textured Plastic	*11.3 lbs*	*8.9 lbs*	*6.8 lbs*
Wet Non-Textured Plastic	*10.5 lbs*	*8.4 lbs*	*6.4 lbs*
Dry Metal / Glass	*10.1 lbs*	*8.1 lbs*	*6.2 lbs*

Dynamic Load Capacity (Metric Units) — All Product Families @ 23 m/min

Chart is based on Standard Conveyor layouts with 90° bend angles and minimum curve radii for each chain width

Overall Total Product Load Capacity of Wedge Unit

	1.8 m offset Total Product Load	*3.0 m offset* Total Product Load	*4.5 m offset* Total Product Load
Product Family			
Corrugated Cardboard	*4.0 kg*	*3.3 kg*	*2.5 kg*
Printed Cardboard	*4.4 kg*	*3.5 kg*	*2.7 kg*
Textured Plastic	*5.1 kg*	*4.0 kg*	*3.1 kg*
Wet Non-Textured Plastic	*4.8 kg*	*3.8 kg*	*2.9 kg*
Dry Metal / Glass	*4.6 kg*	*3.7 kg*	*2.8 kg*

Dynamic Load Capacity (U.S. Standard Units) — All Product Families @ 130 ft/min

Chart is based on Standard Conveyor layouts with 90° bend angles and minimum curve radii for each chain width

Overall Total Product Load Capacity of Wedge Unit

	6 ft. offset Total Product Load	*10 ft. offset* Total Product Load	*15 ft. offset* Total Product Load
Product Family			
Corrugated Cardboard	*7.6 lbs*	*6.2 lbs*	*4.8 lbs*
Printed Cardboard	*8.2 lbs*	*6.6 lbs*	*5.0 lbs*
Textured Plastic	*9.6 lbs*	*7.6 lbs*	*5.8 lbs*
Wet Non-Textured Plastic	*8.9 lbs*	*7.1 lbs*	*5.4 lbs*
Dry Metal / Glass	*8.6 lbs*	*6.9 lbs*	*5.3 lbs*

Dynamic Load Capacity (Metric Units) — All Product Families @ 39 m/min

Chart is based on Standard Conveyor layouts with 90° bend angles and minimum curve radii for each chain width

Overall Total Product Load Capacity of Wedge Unit

	1.8 m offset Total Product Load	*3.0 m offset* Total Product Load	*4.5 m offset* Total Product Load
Product Family			
Corrugated Cardboard	*3.4 kg*	*2.8 kg*	*2.2 kg*
Printed Cardboard	*3.7 kg*	*3.0 kg*	*2.3 kg*
Textured Plastic	*4.4 kg*	*3.4 kg*	*2.6 kg*
Wet Non-Textured Plastic	*4.0 kg*	*3.2 kg*	*2.4 kg*
Dry Metal / Glass	*3.9 kg*	*3.1 kg*	*2.4 kg*

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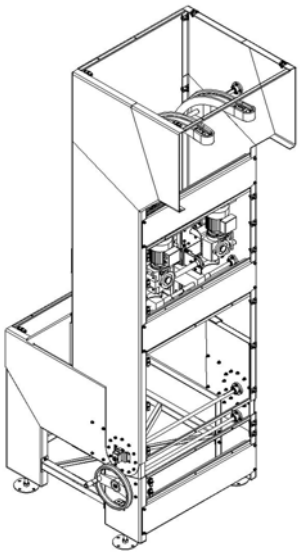
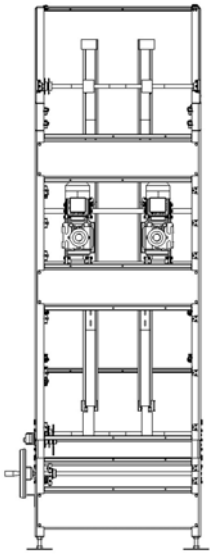
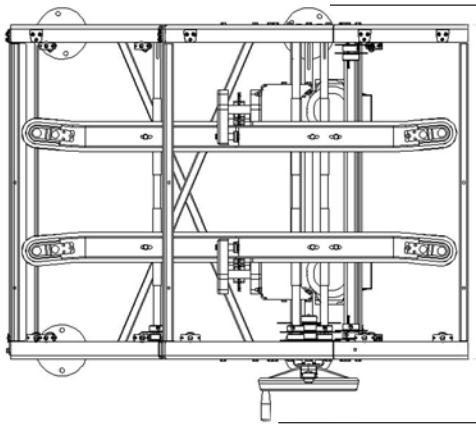
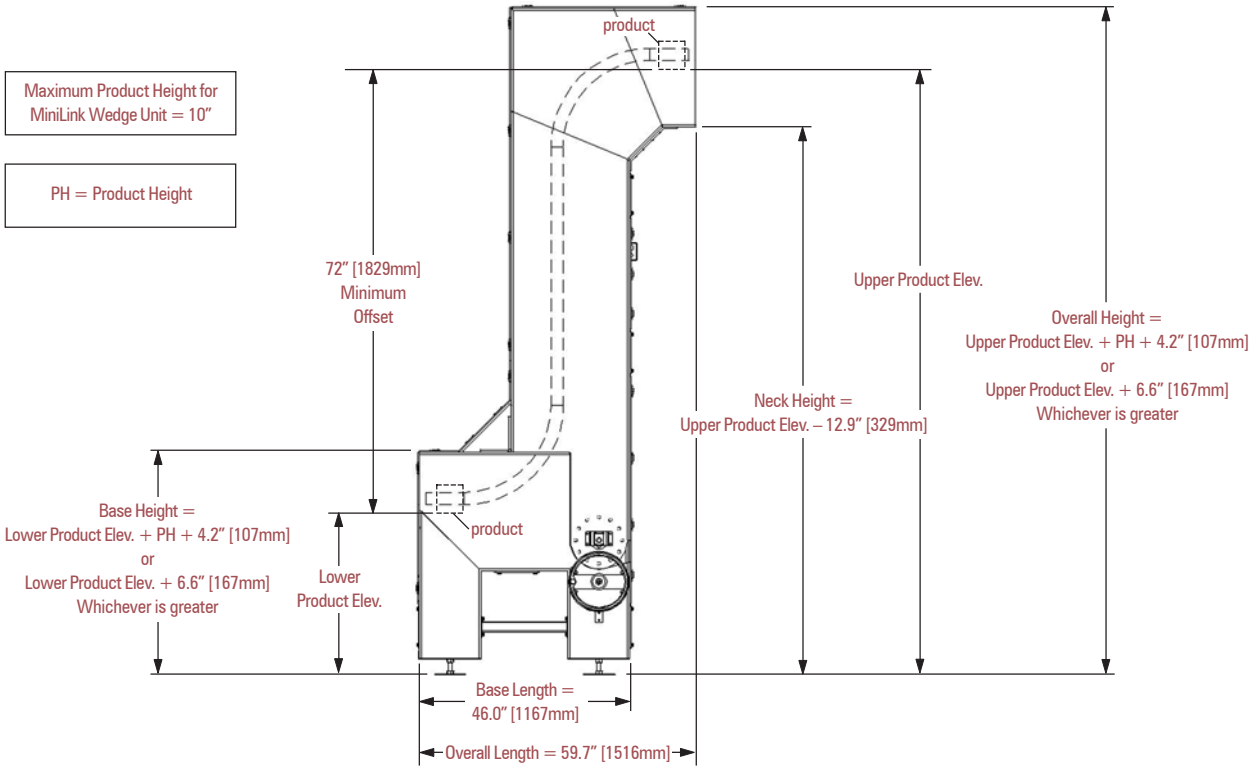
MiniLink Wedge









Dynamic Load Capacity (U.S. Standard Units) — Textured Plastic

Chart is based on Standard Conveyor layouts with 90° bend angles and minimum curve radii for each chain width

Overall Total Product Load Capacity of Wedge Unit

Chain Width (inches)	10 ft. offset Total Product Load				20 ft. offset Total Product Load				30 ft. offset Total Product Load			
	Speed (ft/min)				Speed (ft/min)				Speed (ft/min)			
	50	100	150	180	50	100	150	180	50	100	150	180
6.13"	93 lbs	40 lbs	22 lbs	27 lbs	146 lbs	62 lbs	35 lbs	25 lbs	199 lbs	85 lbs	47 lbs	34 lbs
7.31"	92 lbs	38 lbs	20 lbs	24 lbs	145 lbs	60 lbs	32 lbs	22 lbs	194 lbs	82 lbs	43 lbs	31 lbs
8.49"	92 lbs	37 lbs	19 lbs	21 lbs	143 lbs	58 lbs	29 lbs	19 lbs	188 lbs	78 lbs	39 lbs	26 lbs
9.67"	92 lbs	36 lbs	17 lbs	18 lbs	142 lbs	55 lbs	26 lbs	17 lbs	182 lbs	74 lbs	35 lbs	22 lbs
10.85"	91 lbs	34 lbs	15 lbs	15 lbs	140 lbs	52 lbs	23 lbs	13 lbs	177 lbs	71 lbs	31 lbs	18 lbs

Dynamic Load Capacity (Metric Units) — Textured Plastic

Chart is based on Standard Conveyor layouts with 90° bend angles and minimum curve radii for each chain width

Overall Total Product Load Capacity of Wedge Unit

Chain Width (millimeters)	3m offset Total Product Load				6m offset Total Product Load				9m offset Total Product Load			
	Speed (m/min)				Speed (m/min)				Speed (m/min)			
	15	30	46	55	15	30	46	55	15	30	46	55
155.6mm	42 kg	18 kg	10 kg	12 kg	66 kg	28 kg	16 kg	11 kg	90 kg	38 kg	21 kg	16 kg
185.6mm	42 kg	17 kg	9 kg	11 kg	66 kg	27 kg	14 kg	10 kg	88 kg	37 kg	20 kg	14 kg
215.6mm	42 kg	17 kg	8 kg	9 kg	65 kg	26 kg	13 kg	9 kg	85 kg	35 kg	18 kg	12 kg
245.6mm	42 kg	16 kg	8 kg	8 kg	64 kg	25 kg	12 kg	8 kg	83 kg	34 kg	16 kg	10 kg
275.6mm	41 kg	16 kg	7 kg	7 kg	64 kg	24 kg	11 kg	6 kg	80 kg	32 kg	14 kg	8 kg

Dynamic Load Capacity (U.S. Standard Units) — Wet Non-Textured Plastic

Chart is based on Standard Conveyor layouts with 90° bend angles and minimum curve radii for each chain width

Overall Total Product Load Capacity of Wedge Unit

Chain Width (inches)	10 ft. offset Total Product Load				20 ft. offset Total Product Load				30 ft. offset Total Product Load			
	Speed (ft/min)				Speed (ft/min)				Speed (ft/min)			
	50	100	150	180	50	100	150	180	50	100	150	180
6.13"	93 lbs	40 lbs	22 lbs	16 lbs	146 lbs	62 lbs	35 lbs	25 lbs	199 lbs	141 lbs	78 lbs	57 lbs
7.31"	92 lbs	38 lbs	20 lbs	14 lbs	145 lbs	60 lbs	32 lbs	22 lbs	193 lbs	136 lbs	72 lbs	51 lbs
8.49"	92 lbs	37 lbs	19 lbs	13 lbs	143 lbs	58 lbs	29 lbs	19 lbs	185 lbs	130 lbs	66 lbs	44 lbs
9.67"	92 lbs	36 lbs	17 lbs	11 lbs	142 lbs	55 lbs	26 lbs	17 lbs	178 lbs	124 lbs	59 lbs	37 lbs
10.85"	91 lbs	34 lbs	15 lbs	9 lbs	140 lbs	52 lbs	23 lbs	13 lbs	170 lbs	118 lbs	52 lbs	30 lbs

Dynamic Load Capacity (Metric Units) — Wet Non-Textured Plastic

Chart is based on Standard Conveyor layouts with 90° bend angles and minimum curve radii for each chain width

Overall Total Product Load Capacity of Wedge Unit

Chain Width (millimeters)	3m offset Total Product Load				6m offset Total Product Load				9m offset Total Product Load			
	Speed (m/min)				Speed (m/min)				Speed (m/min)			
	15	30	46	55	15	30	46	55	15	30	46	55
155.6mm	42 kg	18 kg	10 kg	7 kg	66 kg	28 kg	16 kg	11 kg	90 kg	64 kg	36 kg	26 kg
185.6mm	42 kg	17 kg	9 kg	7 kg	66 kg	27 kg	14 kg	10 kg	88 kg	62 kg	33 kg	23 kg
215.6mm	42 kg	17 kg	8 kg	6 kg	65 kg	26 kg	13 kg	9 kg	84 kg	59 kg	30 kg	20 kg
245.6mm	42 kg	16 kg	8 kg	5 kg	64 kg	25 kg	12 kg	8 kg	81 kg	56 kg	27 kg	17 kg
275.6mm	41 kg	16 kg	7 kg	4 kg	64 kg	24 kg	11 kg	6 kg	77 kg	53 kg	24 kg	14 kg

Dynamic Load Capacity (U.S. Standard Units) — Corrugated Cardboard

Chart is based on Standard Conveyor layouts with 90° bend angles and minimum curve radii for each chain width

Overall Total Product Load Capacity of Wedge Unit

Chain Width (inches)	10 ft. offset Total Product Load				20 ft. offset Total Product Load				30 ft. offset Total Product Load			
	Speed (ft/min)				Speed (ft/min)				Speed (ft/min)			
	50	100	150	180	50	100	150	180	50	100	150	180
6.13"	92 lbs	40 lbs	22 lbs	16 lbs	146 lbs	62 lbs	35 lbs	25 lbs	181 lbs	85 lbs	47 lbs	34 lbs
7.31"	92 lbs	38 lbs	20 lbs	14 lbs	145 lbs	60 lbs	32 lbs	22 lbs	176 lbs	82 lbs	43 lbs	31 lbs
8.49"	92 lbs	37 lbs	19 lbs	13 lbs	143 lbs	58 lbs	29 lbs	19 lbs	170 lbs	78 lbs	39 lbs	26 lbs
9.67"	92 lbs	35 lbs	17 lbs	11 lbs	142 lbs	55 lbs	26 lbs	17 lbs	164 lbs	74 lbs	35 lbs	22 lbs
10.85"	91 lbs	34 lbs	15 lbs	9 lbs	140 lbs	52 lbs	23 lbs	13 lbs	159 lbs	71 lbs	31 lbs	18 lbs

Dynamic Load Capacity (Metric Units) — Corrugated Cardboard

Chart is based on Standard Conveyor layouts with 90° bend angles and minimum curve radii for each chain width

Overall Total Product Load Capacity of Wedge Unit

Chain Width (millimeters)	3m offset Total Product Load				6m offset Total Product Load				9m offset Total Product Load			
	Speed (m/min)				Speed (m/min)				Speed (m/min)			
	15	30	46	55	15	30	46	55	15	30	46	55
155.6mm	42 kg	18 kg	10 kg	7 kg	66 kg	28 kg	16 kg	11 kg	82 kg	38 kg	21 kg	16 kg
185.6mm	42 kg	17 kg	9 kg	7 kg	66 kg	27 kg	14 kg	10 kg	80 kg	37 kg	20 kg	14 kg
215.6mm	42 kg	17 kg	8 kg	6 kg	65 kg	26 kg	13 kg	9 kg	77 kg	35 kg	18 kg	12 kg
245.6mm	42 kg	16 kg	8 kg	5 kg	64 kg	25 kg	12 kg	8 kg	74 kg	34 kg	16 kg	10 kg
275.6mm	41 kg	16 kg	7 kg	4 kg	64 kg	24 kg	11 kg	6 kg	72 kg	32 kg	14 kg	8 kg

Dynamic Load Capacity (U.S. Standard Units) — Printed Cardboard

Chart is based on Standard Conveyor layouts with 90° bend angles and minimum curve radii for each chain width

Overall Total Product Load Capacity of Wedge Unit

Chain Width (inches)	10 ft. offset Total Product Load				20 ft. offset Total Product Load				30 ft. offset Total Product Load			
	Speed (ft/min)				Speed (ft/min)				Speed (ft/min)			
	50	100	150	180	50	100	150	180	50	100	150	180
6.13"	92 lbs	40 lbs	22 lbs	16 lbs	146 lbs	62 lbs	35 lbs	25 lbs	157 lbs	85 lbs	47 lbs	34 lbs
7.31"	92 lbs	38 lbs	20 lbs	14 lbs	145 lbs	60 lbs	32 lbs	22 lbs	154 lbs	82 lbs	43 lbs	31 lbs
8.49"	92 lbs	37 lbs	19 lbs	13 lbs	143 lbs	58 lbs	29 lbs	19 lbs	150 lbs	78 lbs	39 lbs	26 lbs
9.67"	92 lbs	36 lbs	17 lbs	11 lbs	142 lbs	55 lbs	26 lbs	17 lbs	147 lbs	74 lbs	35 lbs	22 lbs
10.85"	91 lbs	34 lbs	15 lbs	9 lbs	140 lbs	52 lbs	23 lbs	13 lbs	143 lbs	71 lbs	31 lbs	18 lbs

Dynamic Load Capacity (Metric Units) — Printed Cardboard

Chart is based on Standard Conveyor layouts with 90° bend angles and minimum curve radii for each chain width

Overall Total Product Load Capacity of Wedge Unit

Chain Width (millimeters)	3m offset Total Product Load				6m offset Total Product Load				9m offset Total Product Load			
	Speed (m/min)				Speed (m/min)				Speed (m/min)			
	15	30	46	55	15	30	46	55	15	30	46	55
155.6mm	42 kg	18 kg	10 kg	7 kg	66 kg	28 kg	16 kg	11 kg	71 kg	38 kg	21 kg	16 kg
185.6mm	42 kg	17 kg	9 kg	7 kg	66 kg	27 kg	14 kg	10 kg	70 kg	37 kg	20 kg	14 kg
215.6mm	42 kg	17 kg	8 kg	6 kg	65 kg	26 kg	13 kg	9 kg	68 kg	35 kg	18 kg	12 kg
245.6mm	42 kg	16 kg	8 kg	5 kg	64 kg	25 kg	12 kg	8 kg	67 kg	34 kg	16 kg	10 kg
275.6mm	41 kg	16 kg	7 kg	4 kg	64 kg	24 kg	11 kg	6 kg	65 kg	32 kg	15 kg	8 kg

Dynamic Load Capacity (U.S. Standard Units) — Dry Metal / Glass Containers

Chart is based on Standard Conveyor layouts with 90° bend angles and minimum curve radii for each chain width

Overall Total Product Load Capacity of Wedge Unit

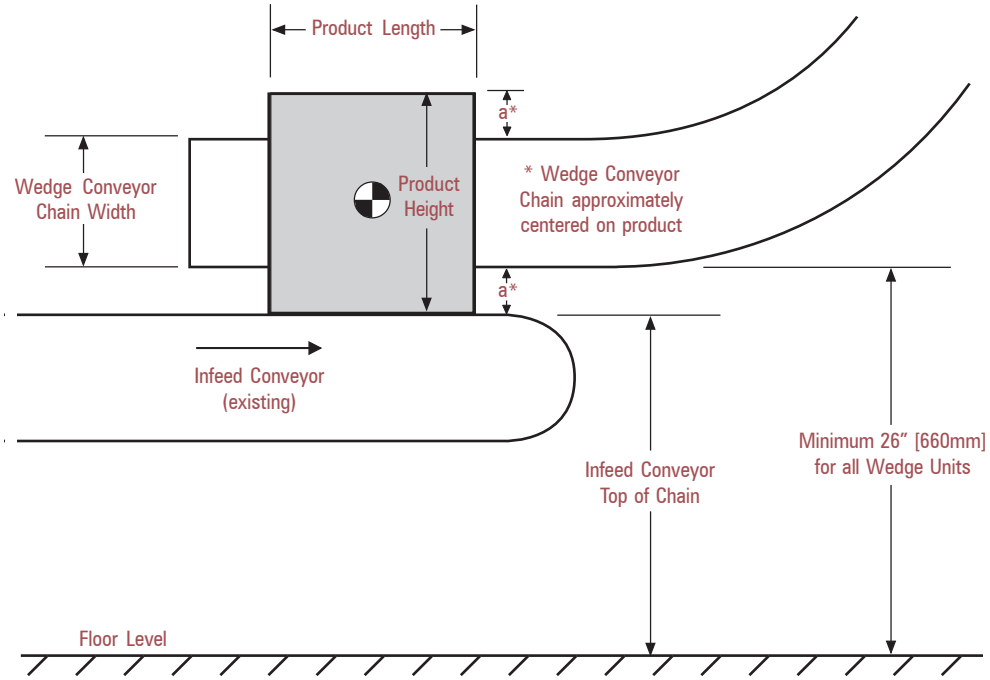
Chain Width (inches)	10 ft. offset Total Product Load				20 ft. offset Total Product Load				30 ft. offset Total Product Load			
	Speed (ft/min)				Speed (ft/min)				Speed (ft/min)			
	50	100	150	180	50	100	150	180	50	100	150	180
6.13"	92 lbs	40 lbs	22 lbs	16 lbs	146 lbs	62 lbs	35 lbs	25 lbs	175 lbs	85 lbs	47 lbs	34 lbs
7.31"	92 lbs	38 lbs	20 lbs	14 lbs	145 lbs	60 lbs	32 lbs	22 lbs	170 lbs	82 lbs	43 lbs	31 lbs
8.49"	92 lbs	37 lbs	19 lbs	13 lbs	143 lbs	58 lbs	29 lbs	19 lbs	165 lbs	78 lbs	39 lbs	26 lbs
9.67"	92 lbs	36 lbs	17 lbs	11 lbs	142 lbs	55 lbs	26 lbs	17 lbs	160 lbs	74 lbs	35 lbs	22 lbs
10.85"	91 lbs	34 lbs	15 lbs	9 lbs	140 lbs	52 lbs	23 lbs	13 lbs	155 lbs	71 lbs	31 lbs	18 lbs

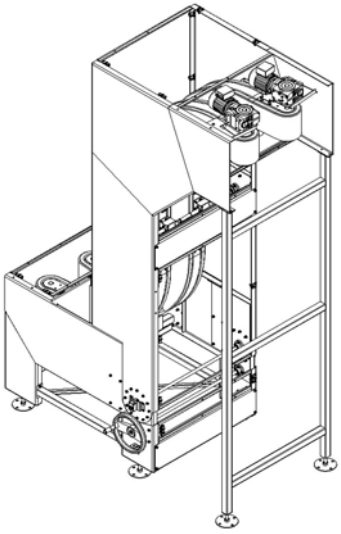
Dynamic Load Capacity (Metric Units) — Dry Metal / Glass Containers

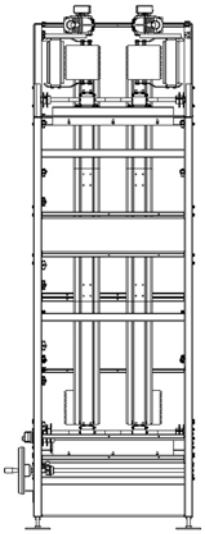
Chart is based on Standard Conveyor layouts with 90° bend angles and minimum curve radii for each chain width

Overall Total Product Load Capacity of Wedge Unit

Chain Width (millimeters)	3m offset Total Product Load				6m offset Total Product Load				9m offset Total Product Load			
	Speed (m/min)				Speed (m/min)				Speed (m/min)			
	15	30	46	55	15	30	46	55	15	30	46	55
155.6mm	42 kg	18 kg	10 kg	7 kg	66 kg	28 kg	16 kg	11 kg	79 kg	38 kg	21 kg	16 kg
185.6mm	42 kg	17 kg	9 kg	7 kg	66 kg	27 kg	14 kg	10 kg	77 kg	37 kg	20 kg	14 kg
215.6mm	42 kg	17 kg	8 kg	6 kg	65 kg	26 kg	13 kg	9 kg	75 kg	35 kg	18 kg	12 kg
245.6mm	42 kg	16 kg	8 kg	5 kg	64 kg	25 kg	12 kg	8 kg	73 kg	34 kg	16 kg	10 kg
275.6mm	41 kg	16 kg	7 kg	4 kg	64 kg	24 kg	11 kg	6 kg	70 kg	32 kg	14 kg	8 kg

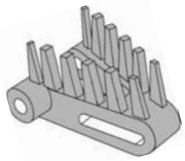


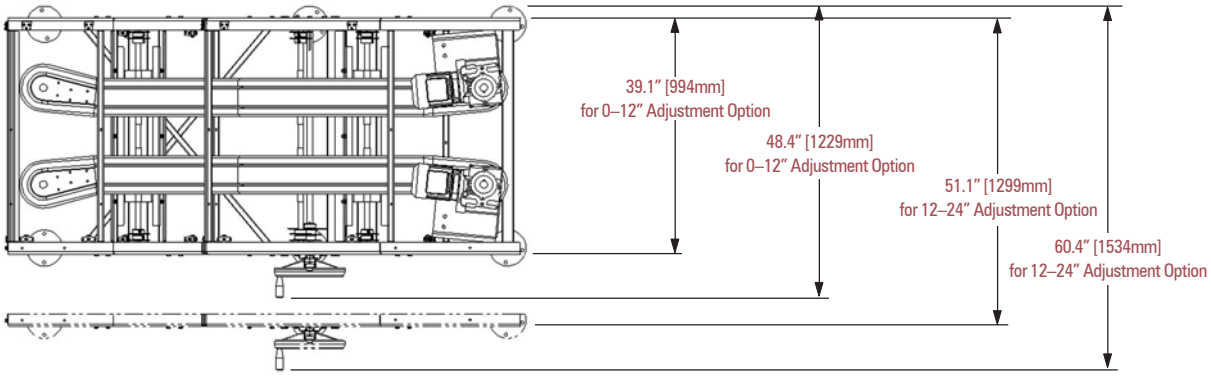




SpanTech

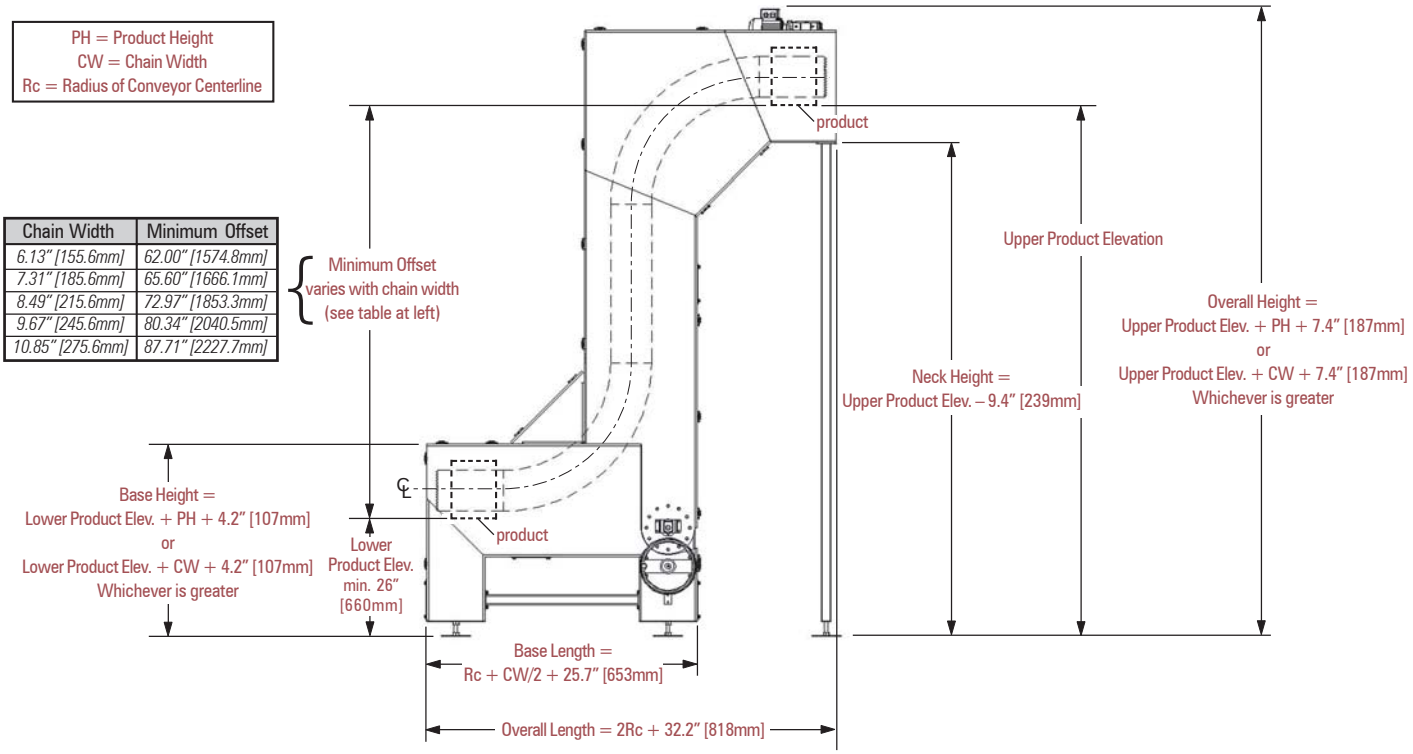
MultiSpan Wedge



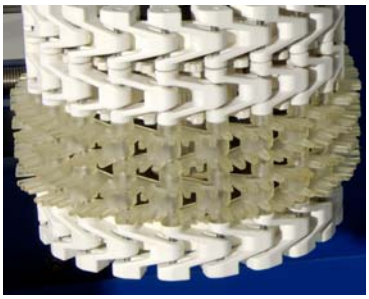


PH = Product Height
CW = Chain Width
Rc = Radius of Conveyor Centerline

Chain Width	Minimum Offset
6.13" [155.6mm]	62.00" [1574.8mm]
7.31" [185.6mm]	65.60" [1666.1mm]
8.49" [215.6mm]	72.97" [1853.3mm]
9.67" [245.6mm]	80.34" [2040.5mm]
10.85" [275.6mm]	87.71" [2227.7mm]



SpanTech Wedge Options

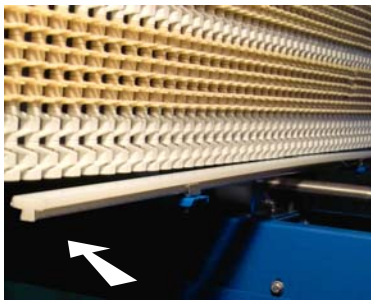


Chain Materials

The MultiSpan Wedge is available with a choice of chain material to best work with a given product material. Santoprene is ideal for glossy, finished or printed cardboard, plastic containers, or metal

Variable Frequency Drive

The Wedge Unit's required Variable Frequency Drive (VFD) can be customer-supplied or provided by SpanTech. The VFD, featuring a soft start/stop capability, allows an adjustable range of speeds to best fit any conveying application.

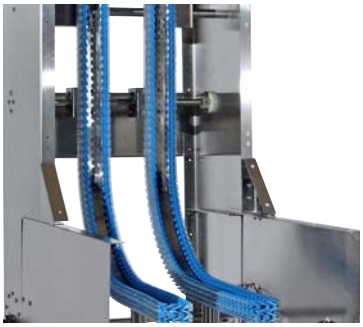


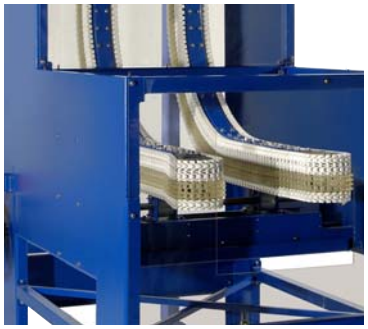
Bottom Rail

A Bottom Rail can provide an extra bearing surface to help support heavier product, and maintain product positioning during transport.

Adjustment Capability

Fully width-adjustable Wedge Units are available for product lines that vary in size. Adjustable units also allow quick adjustments in pinch pressure. Standard positionable units can be manually set for the correct product size and pinch pressure.





Stainless Steel Construction

Wedge units can be provided with optional all-stainless steel construction (above left). Standard painted steel units (above right) are coated with blue epoxy powder coat paint for a durable finish.

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