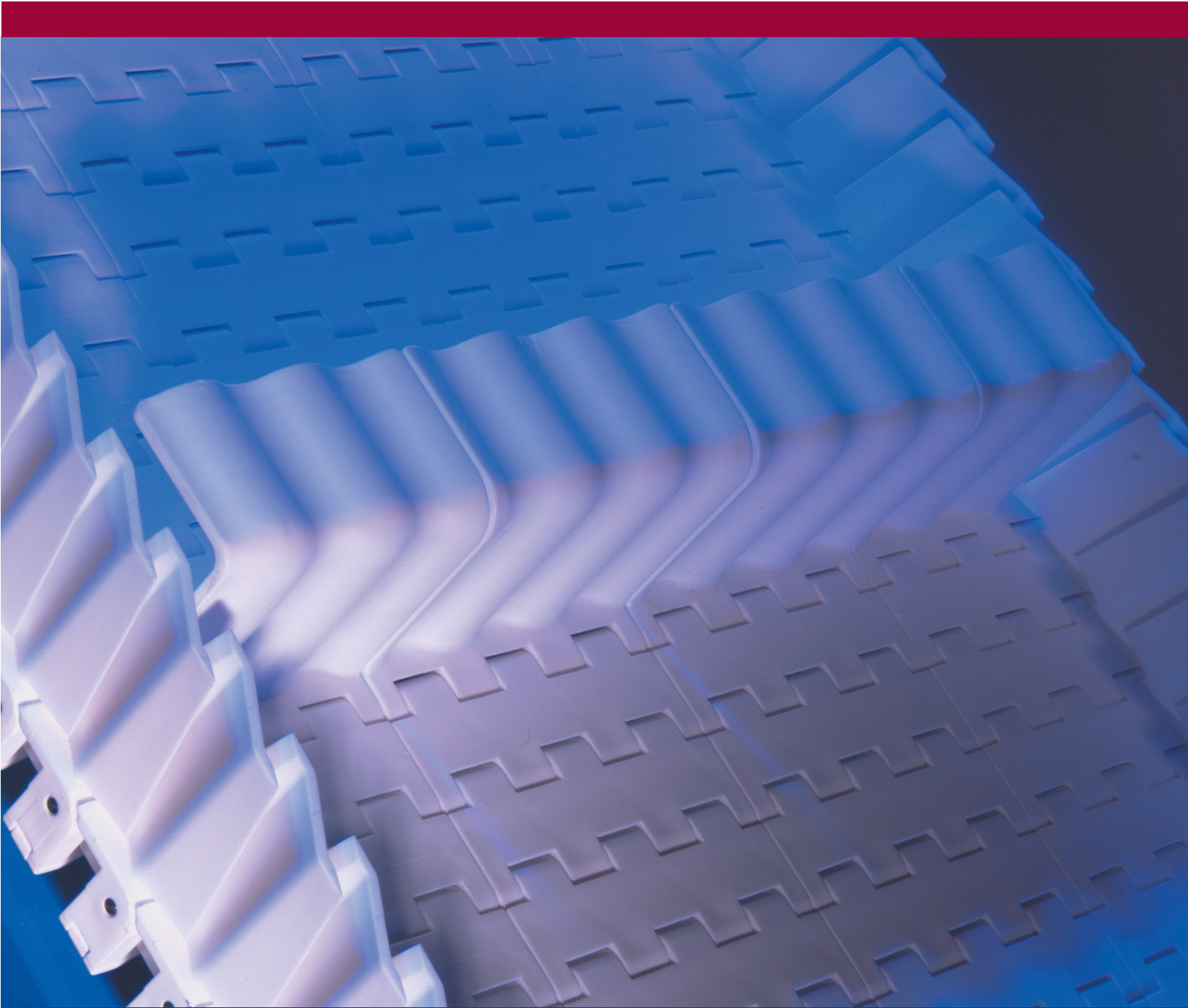


ID-Series

*ID-Series
Incline/Decline Conveyors*



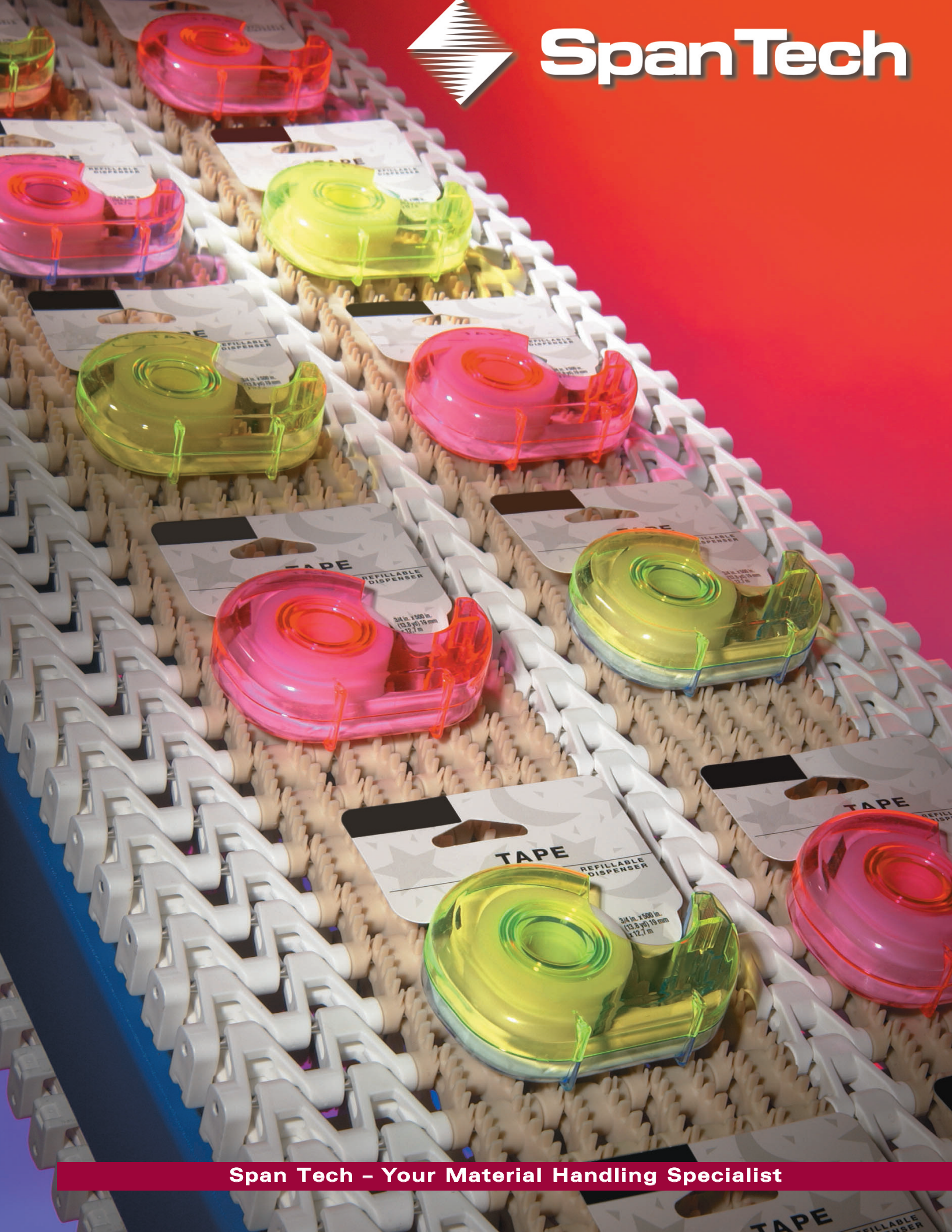
SpanTech



your Material Handling Specialist



SpanTech



Span Tech - Your Material Handling Specialist

TAPE
REFILLABLE
DISPENSER

ID-Series

*Conveyors that do more than transport ...
they DELIVER.*

The remarkable flexibility of the Span Tech conveyor line allows you to specify a modular solution for your material handling needs.

With our unique design, the chain is completely captured to the conveyor. There are no dangerous catenaries or take-ups, which means:

- *Less chance of injuries*
- *No tracking problems*
- *A very quiet system*
- *Ability to run at high speeds even with horizontal and vertical bends*

Span Tech conveyors are plastic chain based, and are available with stainless steel or powder coated painted steel construction. Our conveyors have been designed and built with simplicity in mind, for simple maintenance and repairs.

The numerous options available will result in a conveyor or conveyor system that's ideal for your application.

Each is built and backed by Span Tech, a company that has earned its reputation as one of the finest in the material handling industry.



ID-Series

*Engineered for dependable, nearly maintenance-free operation.
The advantages of extensive options in a modular design.*

The Span Tech ID-Series is an inclining or declining conveyor with custom lengths available. The ID-Series is offered with a straight bed section that is elevated at a continuous angle. These conveyors allow change in the elevation of various products.

Features & Benefits:

- ◆ Five (5) belt widths available for a variety of applications
- ◆ Speed range of 5 to 75 feet per minute (1.5 to 22.9 meters per minute)
Custom speed ranges available
- ◆ Increased load carrying capacity over a belt style conveyor
- ◆ Durable acetal chain provides long life, is completely self-tracking, and is nearly silent running
- ◆ Two-piece drive and idler sprockets for ease of replacement without shaft removal
- ◆ Non-corroding stainless steel drive shaft and idler shaft
- ◆ Non-corroding stainless steel fasteners
- ◆ SpanLon wear strip and center support rail provide long-wearing, silent operation
- ◆ See individual models for minimum product size capability
- ◆ There are no "take ups" with Span Tech conveyors, as you have with belt conveyors



Gearmotor

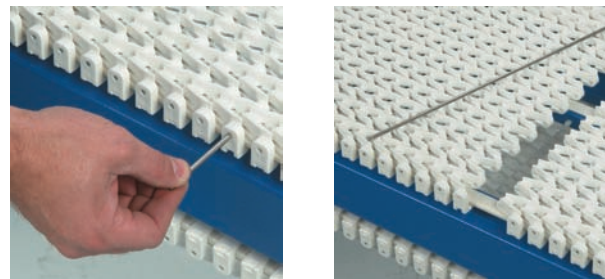
SEW Eurodrive S Series Shaft Mounted Helical Worm Drive, 230 or 460 volt (3 phase) operation



Foot Construction

Steel flange for easy anchoring. These units must be floor anchored for stability.

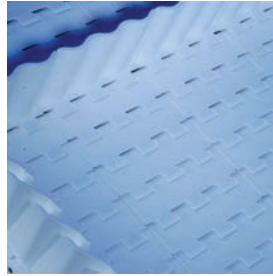
Ease of maintenance ...



Chain can be taken apart at any link

Conveyor Chain

White, acetal plastic with stainless steel hinge rods for long life.

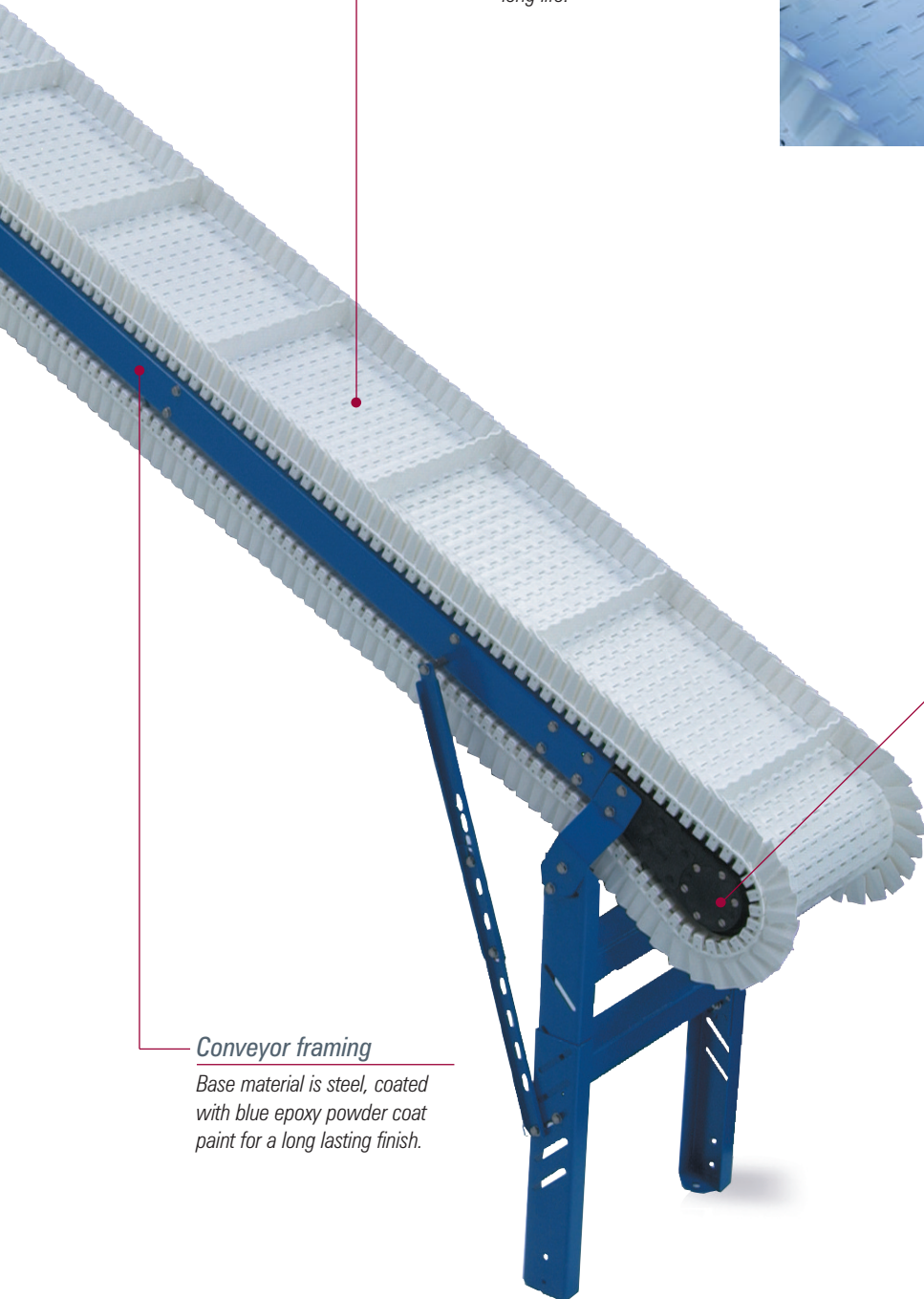


Bearings

Lubricated SpanLon™ bushings are internal to the conveyor frame.

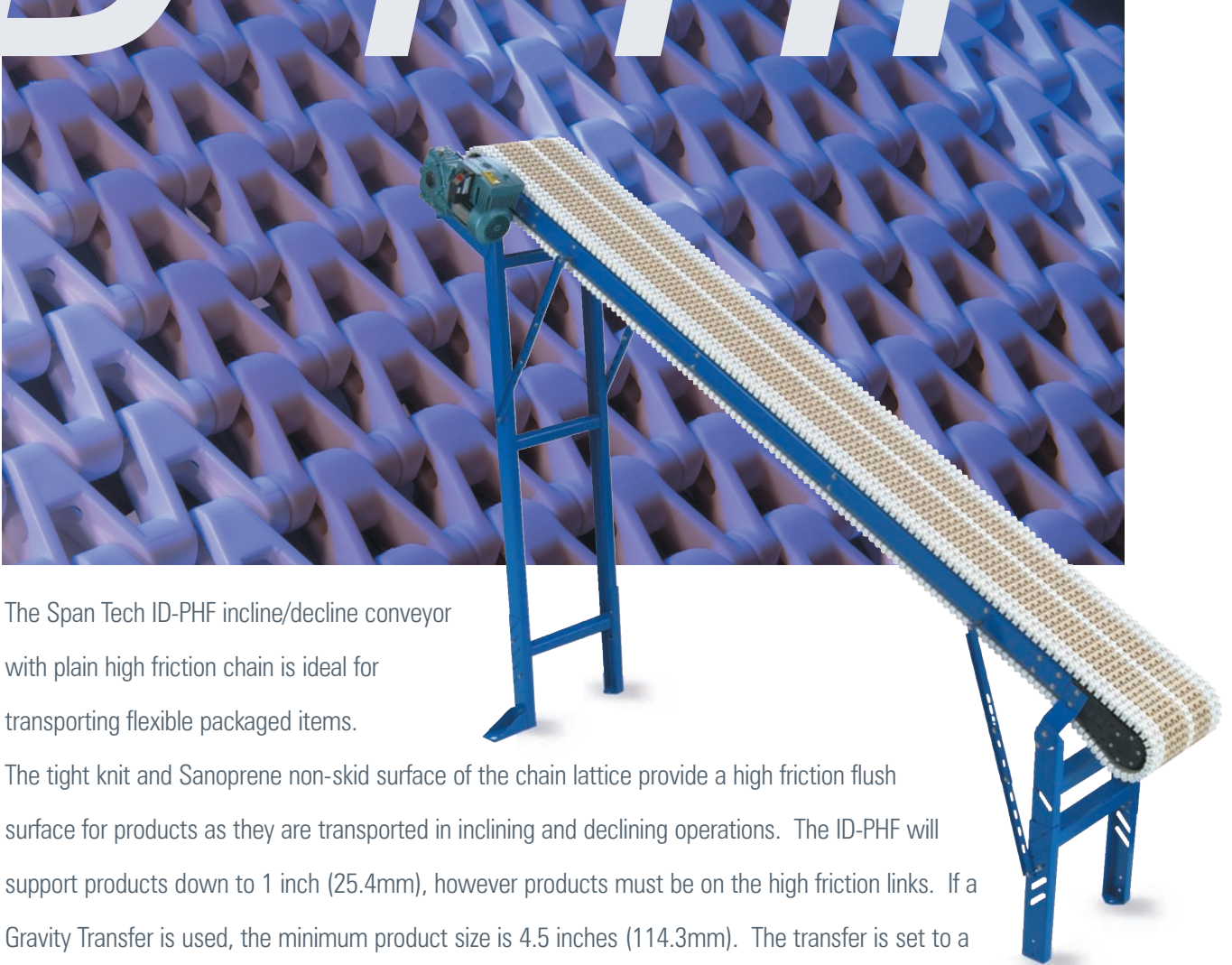
Conveyor framing

Base material is steel, coated with blue epoxy powder coat paint for a long lasting finish.



ID-PHF

ID-PHF Plain High Friction Chain



The Span Tech ID-PHF incline/decline conveyor with plain high friction chain is ideal for transporting flexible packaged items.

The tight knit and Sanoprene non-skid surface of the chain lattice provide a high friction flush surface for products as they are transported in inclining and declining operations. The ID-PHF will support products down to 1 inch (25.4mm), however products must be on the high friction links. If a Gravity Transfer is used, the minimum product size is 4.5 inches (114.3mm). The transfer is set to a decline angle of approximately 6°. For stability, these units must be anchored to the floor.

Ideal for ...



Flexible packaged items

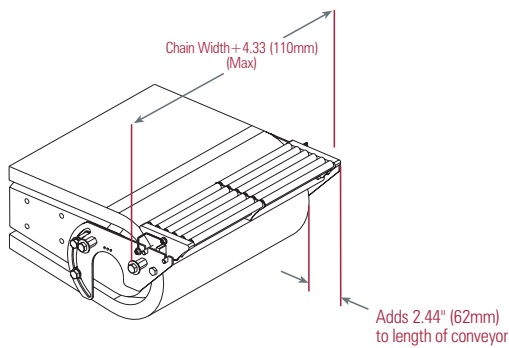
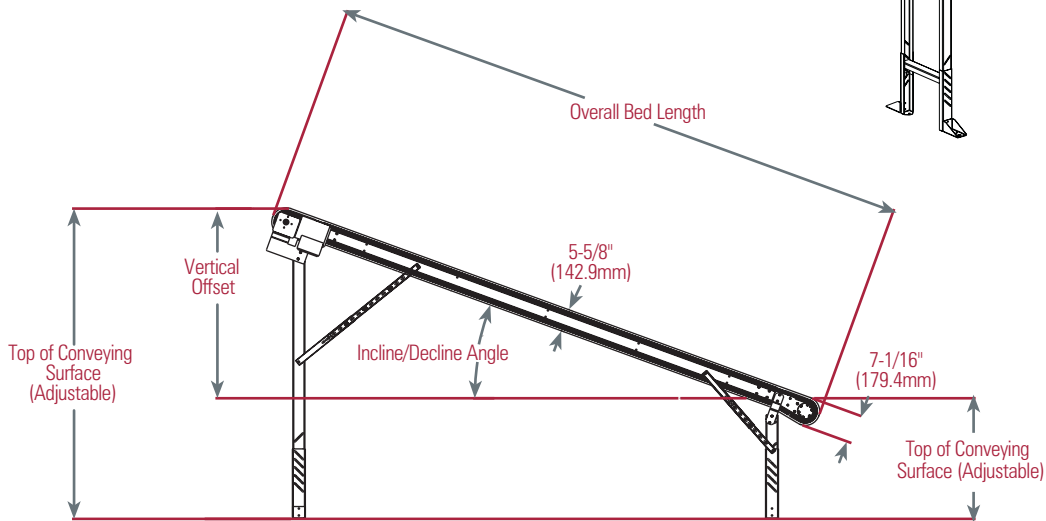
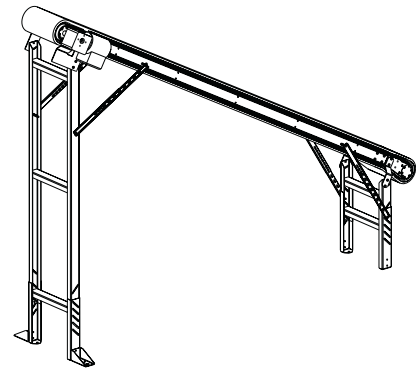
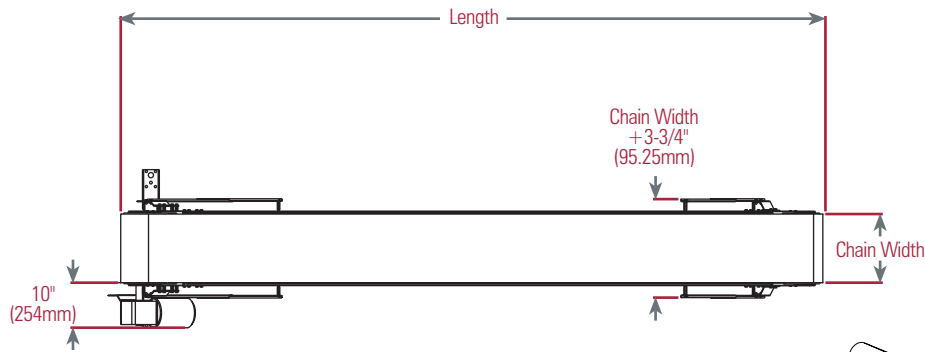


Small packaged items



End-to-end transfers

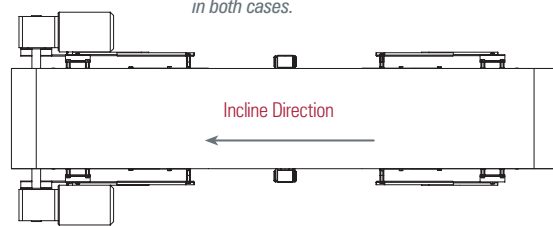
ID-PHF Specifications



Drive Hand Location

Right Hand Pull
Left Hand Push

Inclining conveyors can only be pulled, while declining conveyors can only be pushed. The Drive must remain at the higher elevation in both cases.

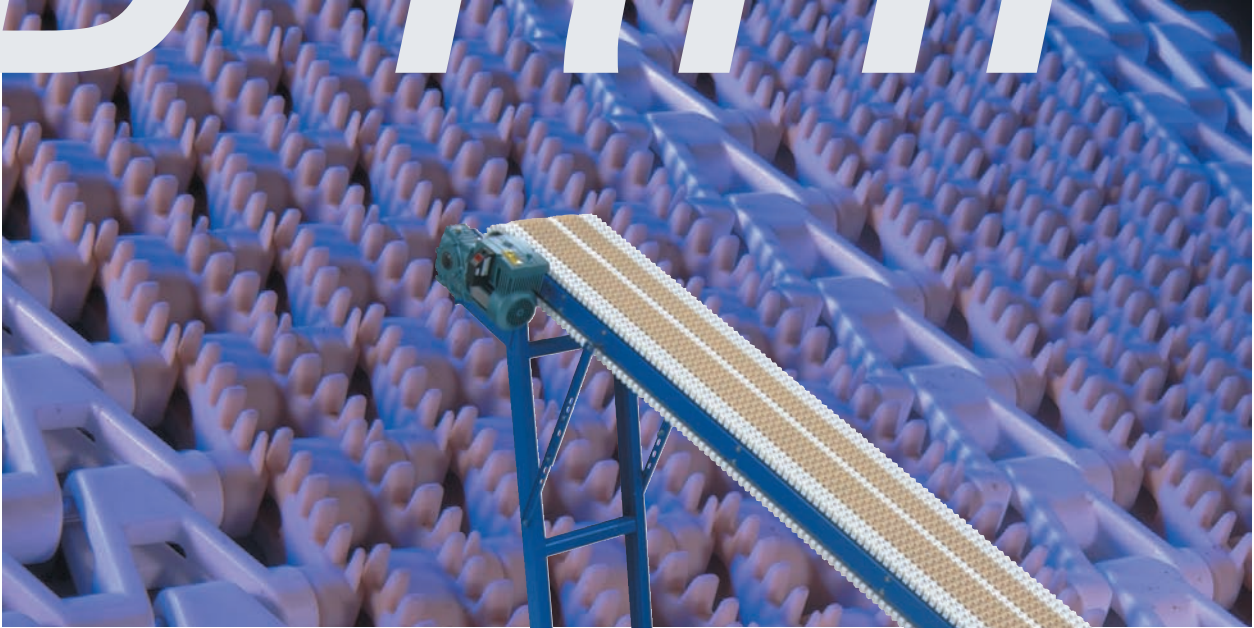


Left Hand Pull
Right Hand Push

Note: Regardless of drive position the conveyor will run in either direction.

ID-RHF

ID-RHF Raised High Friction Chain



The Span Tech ID-RHF incline/decline conveyor with a raised high friction chain is used for rigid objects. Raised high friction chain features Sanoprene links. When you add a Finger Transfer, objects down to 1.5 inches (38.1mm) can be transferred off the end of the conveyor. The transfer should be set to a decline angle of approximately 10° and the object must be positioned on the raised portion of the chain. These units must be anchored to the floor for stability.

Ideal for ...

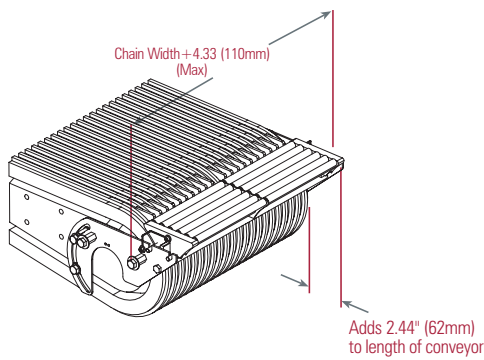
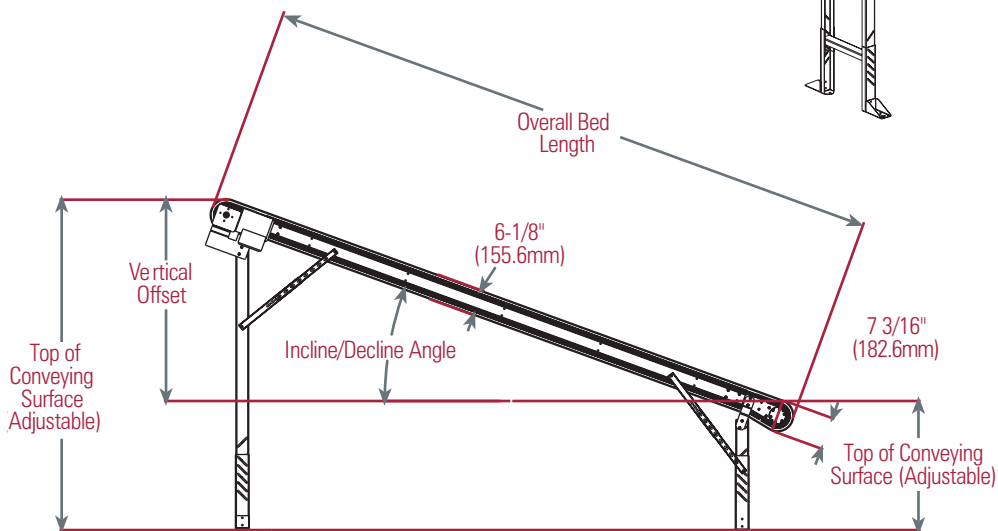
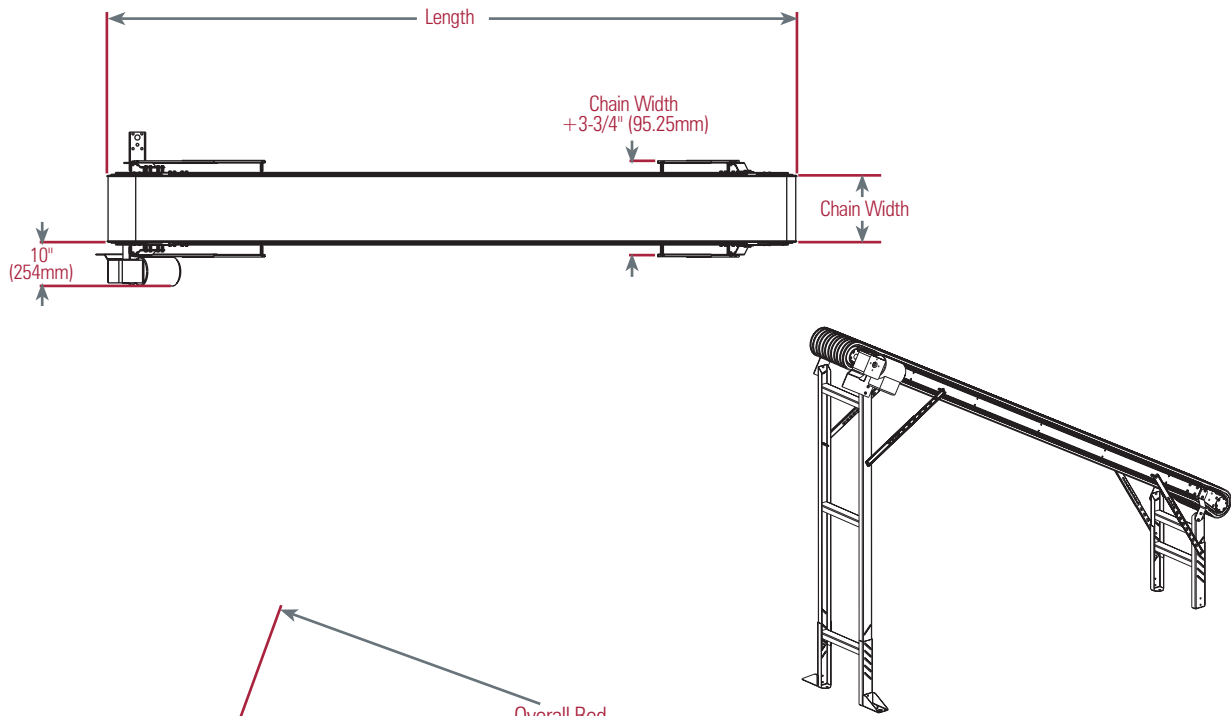


Rigid packaged product



Finger transfers

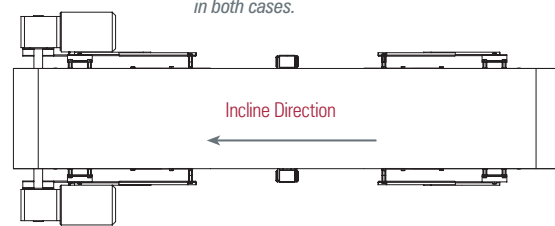
ID-RHF Specifications



Drive Hand Location

Right Hand Pull
Left Hand Push

Inclining conveyors can only be pulled, while declining conveyors can only be pushed. The Drive must remain at the higher elevation in both cases.

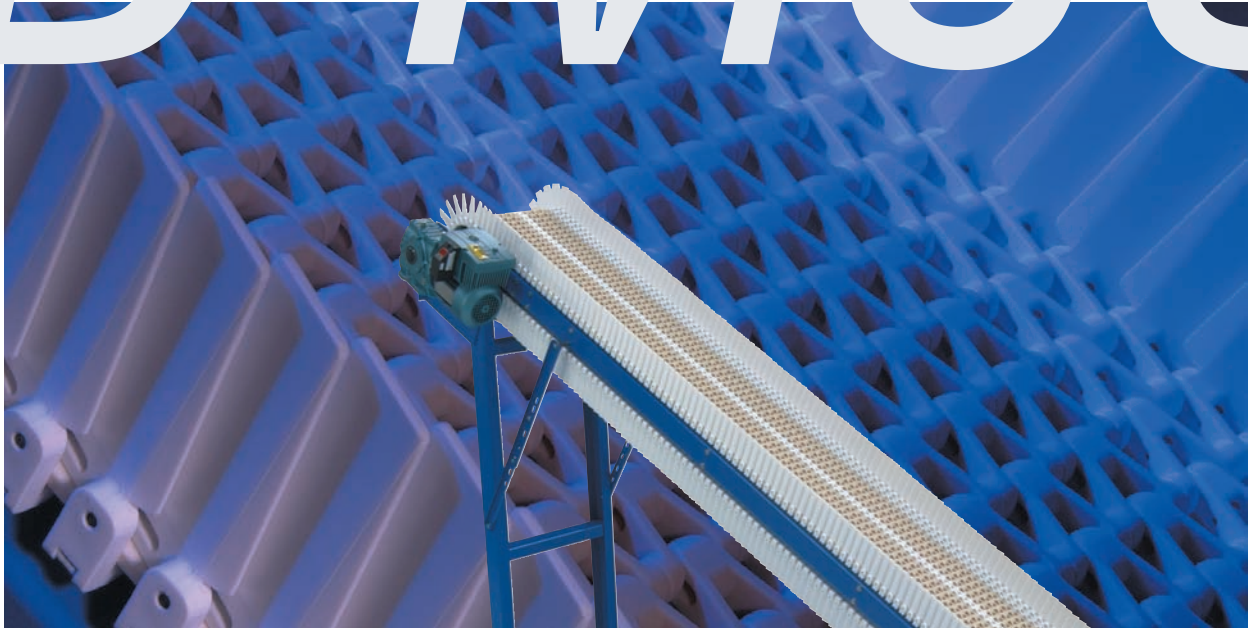


Left Hand Pull
Right Hand Push

Note: Regardless of drive position the conveyor will run in either direction.

ID-MSG

ID-MSG Moving Side Guide Chain



The Span Tech ID-MSG incline/decline conveyor features 75mm left and right guides molded into the side links of the chain. This feature provides positive retention of products during transportation. Use this style chain where the product you are moving might get tangled in conventional guide rails. Gravity or Finger Transfers are not possible with this type conveyor. These units must be anchored to the floor for stability.

Ideal for ...

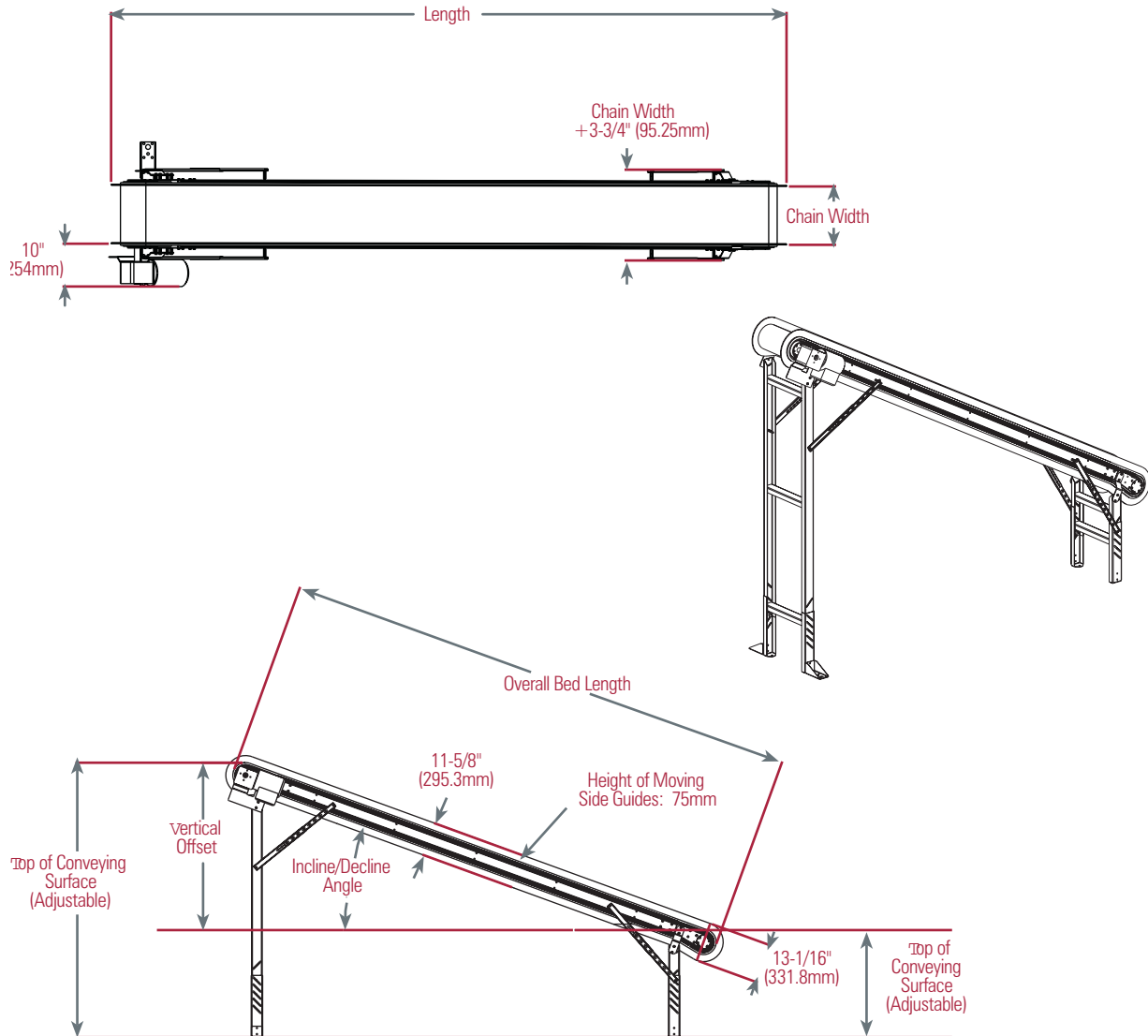


Irregular shapes



Flexible packaged items

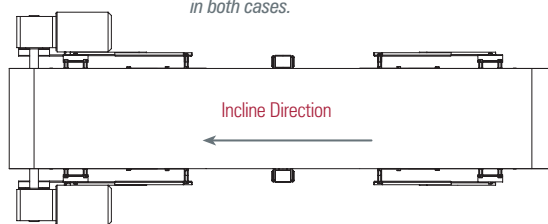
ID-MSG Specifications



Drive Hand Location

Right Hand Pull
Left Hand Push

Inclining conveyors can only be pulled, while declining conveyors can only be pushed. The Drive must remain at the higher elevation in both cases.

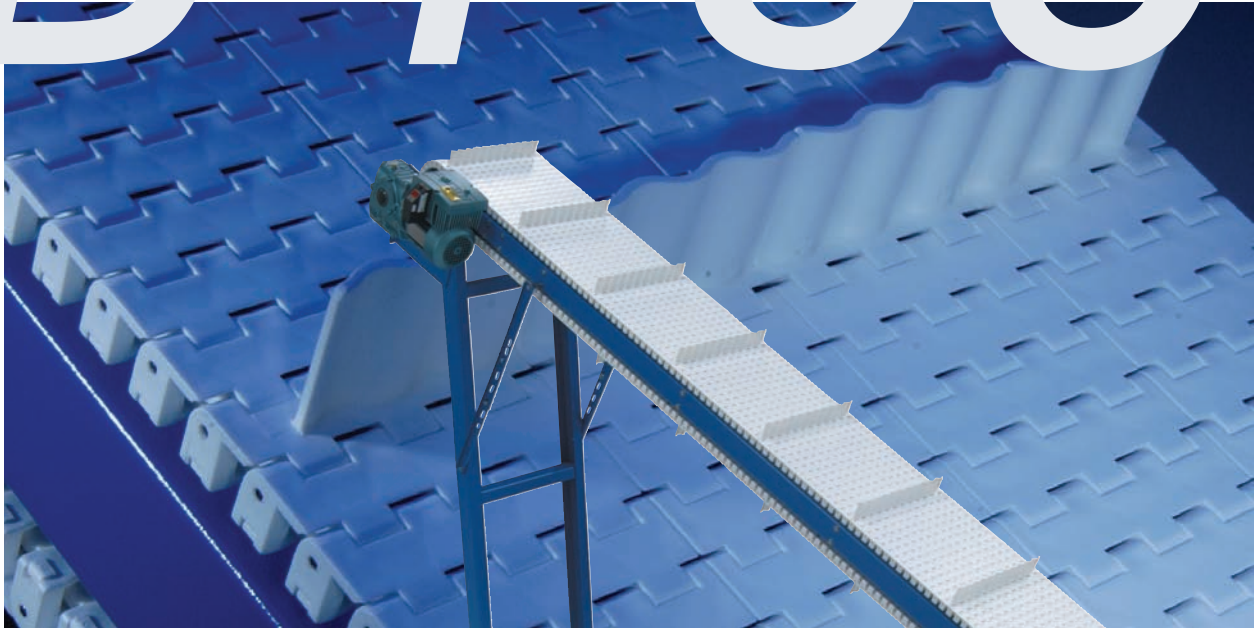


Left Hand Pull
Right Hand Push

Note: Regardless of drive position the conveyor will run in either direction.

ID-PSC

ID-PSC Pusher Cleat Chain



The Span Tech ID-PSC incline/decline conveyor with 50mm pusher cleat chain features a series of vertical cleats arranged in rows across the width of the chain. Pusher Cleats can be spaced at any 25mm interval. This type of conveyor is for use where no side rails are required and the product is inherently stable on just the conveyor chain. Do not use this type of chain where hands are present. Gravity or Finger Transfers are not possible with this type of chain. These units must be anchored to the floor for stability.

Ideal for ...

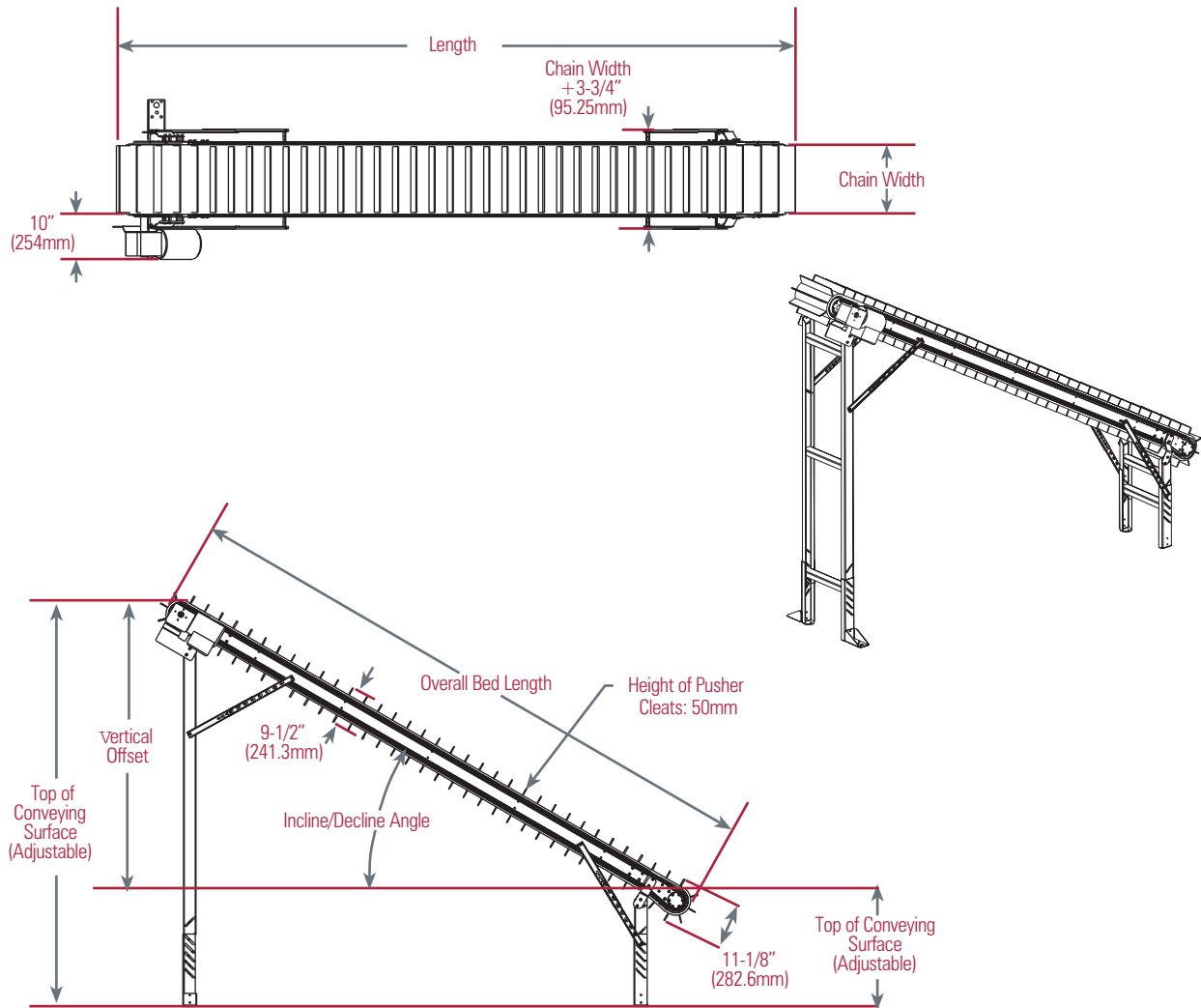


Irregular shapes



Bulk product

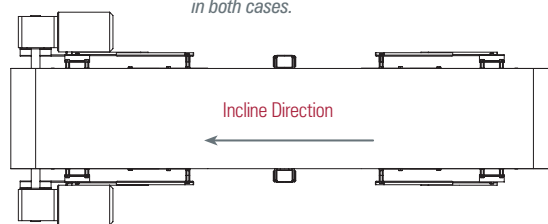
ID-PSC Specifications



Drive Hand Location

Right Hand Pull
Left Hand Push

Inclining conveyors can only be pulled, while declining conveyors can only be pushed. The Drive must remain at the higher elevation in both cases.

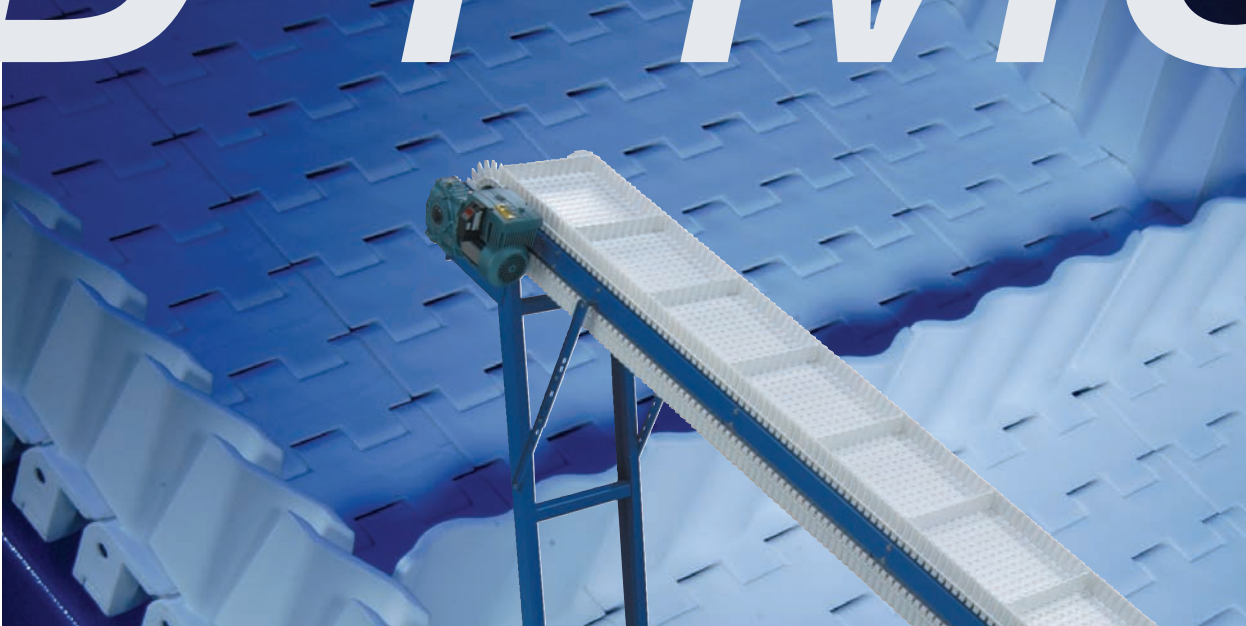


Left Hand Pull
Right Hand Push

Note: Regardless of drive position the conveyor will run in either direction.

ID-PMS

ID-PMS Pusher Cleat Moving Side Guide Chain



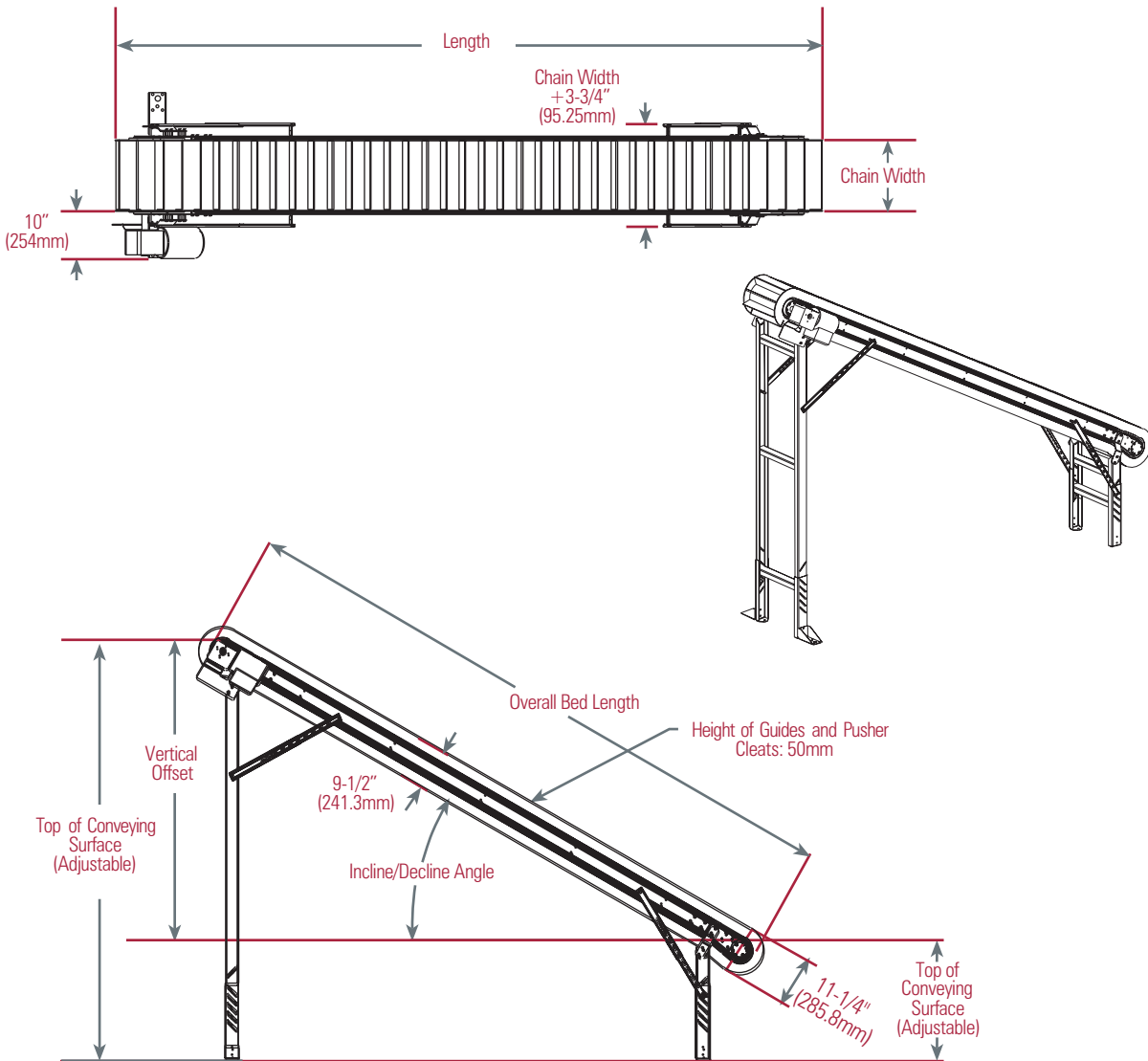
The Span Tech ID-PMS incline/decline conveyor with 50mm pusher cleat and moving side guides chain forms a pocket within the chain bed. This model is effective in containing a product on the conveyor without the use of side rails. This type of chain is normally used when transporting bulk product on inclines and declines. Gravity or finger transfers are not possible with this type of chain. These units must be anchored to the floor for stability.

Ideal for...



Bulk product

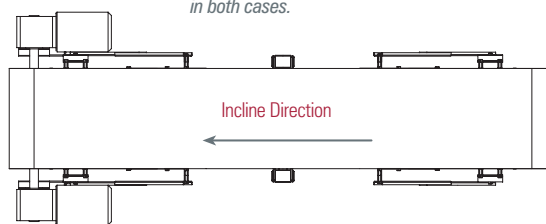
ID-PMS Specifications



Drive Hand Location

Right Hand Pull
Left Hand Push

Inclining conveyors can only be pulled, while declining conveyors can only be pushed. The Drive must remain at the higher elevation in both cases.



Left Hand Pull
Right Hand Push

Note: Regardless of drive position the conveyor will run in either direction.

ID-SMS

ID-SMS Scoop Cleat Moving Side Guide Chain



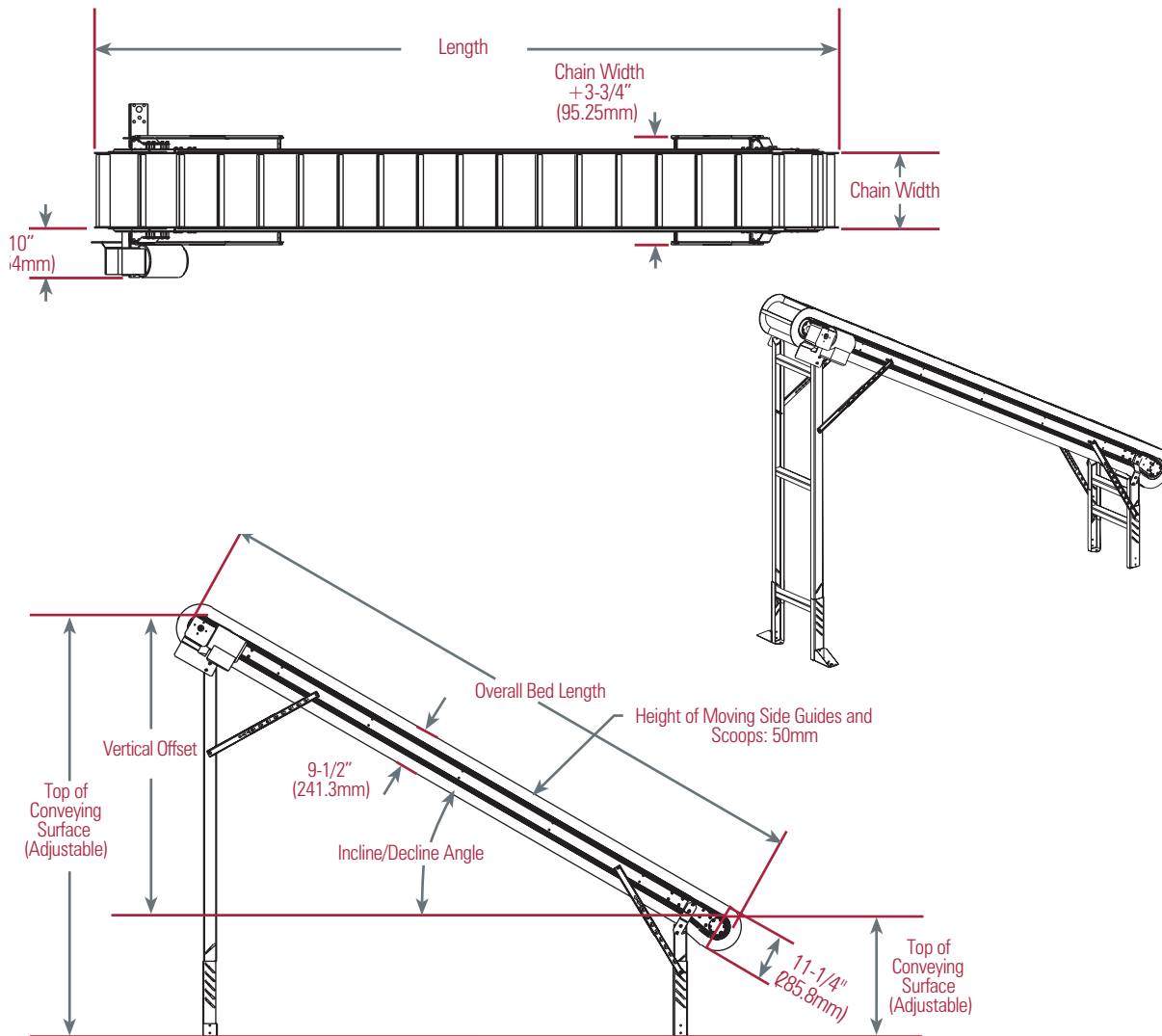
The Span Tech ID-SMS incline/decline conveyor features 50mm scoop cleats and moving side guides. This model forms a pocket within the chain bed that is effective in containing a product on the conveyor without the use of side rails. This type of chain is especially useful when transporting bulk product in more aggressive inclining and declining angles. Gravity or Finger Transfers are not possible with this type of chain. These units must be anchored to the floor for stability.

Ideal for...



Bulk product

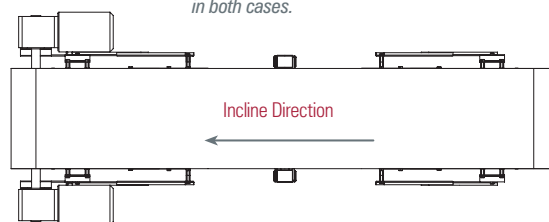
ID-SMS Specifications



Drive Hand Location

Right Hand Pull
Left Hand Push

Inclining conveyors can only be pulled, while declining conveyors can only be pushed. The Drive must remain at the higher elevation in both cases.



Left Hand Pull
Right Hand Push

Note: Regardless of drive position the conveyor will run in either direction.

Options



Fixed Offset Guide Rail

Inside face of guide rail matches with edge of conveyor chain. The guide rail material is ultra-high molecular weight polyethylene with a galvanized steel back channel for durability. The guide rail comes in both 1.25 inch (31.8mm) and 2.25 inch (57.2mm) widths.



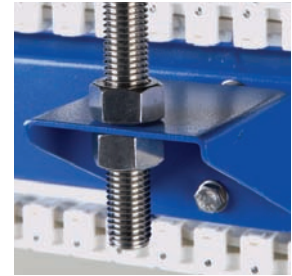
Gravity Transfer

This option permits transfer onto and off of the ends of the conveyor. These units lift out and are held in place by gravity as a safety feature to prevent objects from becoming lodged between the conveyor chain and the transfer rollers. The transfer uses small acetal rollers mounted on 4mm stainless steel rods. The unit is pitch adjustable from level to -15° at the discharge end and from +15° to level on the load end. See Transfer Guidelines chart for application guidelines.



Movimot® Speed Controller

This is a frequency inverter built into the conduit box of the drive motor, with no external wiring other than your incoming power lines. Movimot® provides you with the lowest cost method of controlling the speed of your conveyor. The unit is capable of 200 to 500 volts AC and has a frequency range of 20 to 80 hertz. The unit features an integrated potentiometer for setting acceleration and deceleration times. It is IP65 hose proof/dust proof enclosed.



Ceiling Support Bracket

Painted mild steel brackets bolt to the side of the conveyor frame and support your system on 5/8" (15mm) hanger rods.

Options for ID Series Conveyors

	Fixed Offset Guide Rail	Gravity Transfer	Movimot Speed Controller	Ceiling Support Brackets
ID-PHF	•	•	•	•
ID-RHF	•	•	•	•
ID-MSG			•	•
ID-PSC	•		•	•
ID-PMS			•	•
ID-SMS			•	•

ID Specifications

Dynamic Load Capacity (not to exceed 50 lbs. Per Linear Ft.)

Standard Conveyor @ 65 FPM and at 30° inclination.

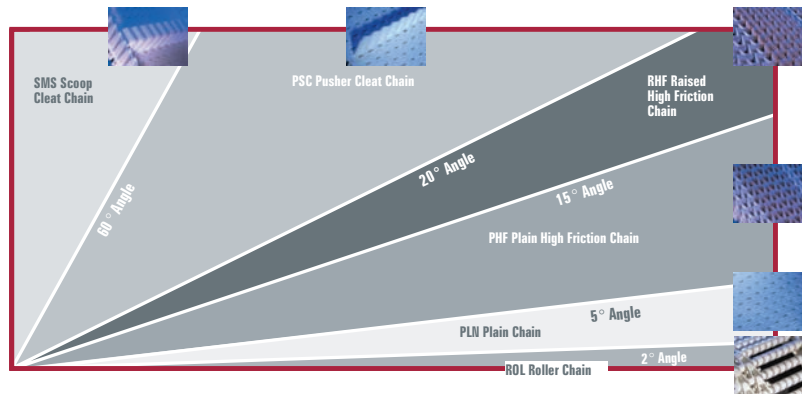
	7.31" Chain Width Total Load			10.85" Chain Width Total Load			14.39" Chain Width Total Load			17.94" Chain Width Total Load			21.48" Chain Width Total Load		
	up to 10'	up to 20'	up to 30'	up to 10'	up to 20'	up to 30'	up to 10'	up to 20'	up to 30'	up to 10'	up to 20'	up to 30'	up to 10'	up to 20'	up to 30'
1/3 hp	180 lbs.	160 lbs.	150 lbs.	170 lbs.	160 lbs.	150 lbs.	170 lbs.	160 lbs.	150 lbs.	170 lbs.	140 lbs.	N/A	170 lbs.	140 lbs.	N/A
1/2 hp	280 lbs.	260 lbs.	240 lbs.	270 lbs.	260 lbs.	240 lbs.	270 lbs.	260 lbs.	240 lbs.	270 lbs.	240 lbs.	210 lbs.	260 lbs.	240 lbs.	210 lbs.
3/4 hp	420 lbs.	420 lbs.	390 lbs.	410 lbs.	400 lbs.	390 lbs.	410 lbs.	400 lbs.	390 lbs.	410 lbs.	400 lbs.	360 lbs.	410 lbs.	400 lbs.	360 lbs.
1 hp	500 lbs.	560 lbs.	540 lbs.	500 lbs.	540 lbs.	540 lbs.	500 lbs.	540 lbs.	540 lbs.	500 lbs.	540 lbs.	510 lbs.	500 lbs.	540 lbs.	510 lbs.

Dynamic Load Capacity (not to exceed 74 Kg Per Linear Meter)

Standard Conveyor @ 20 meters/minute and at 30° inclination.

H.P.	185.7mm Chain Width Total Load			275.6mm Chain Width Total Load			365.5mm Chain Width Total Load			455.7mm Chain Width Total Load			545.6mm Chain Width Total Load		
	up to 3m	up to 6m	up to 9m	up to 3m	up to 6m	up to 9m	up to 3m	up to 6m	up to 9m	up to 3m	up to 6m	up to 9m	up to 3m	up to 6m	up to 9m
1/3 hp	82 kg	72 kg	68 kg	77 kg	72 kg	68 kg	77 kg	72 kg	68 kg	77 kg	63 kg	N/A	77 kg	63 kg	N/A
1/2 hp	127 kg	118 kg	109 kg	122 kg	118 kg	109 kg	122 kg	118 kg	109 kg	122 kg	109 kg	95 kg	118 kg	109 kg	95 kg
3/4 hp	190 kg	190 kg	177 kg	186 kg	181 kg	177 kg	186 kg	181 kg	177 kg	186 kg	181 kg	163 kg	186 kg	181 kg	163 kg
1 hp	227 kg	254 kg	245 kg	227 kg	245 kg	245 kg	227 kg	245 kg	245 kg	227 kg	245 kg	231 kg	227 kg	245 kg	231 kg

Chain Style vs. Maximum Incline Angle



ID-Series Transfer Guidelines

Model & Chain Type	Transfer Type	Smallest Diameter Product Recommended	Maximum Height Recommended	Decline Angle of Transfer	Conveyor Speed Tested	Weight Tested
ID-PHF	Plain with rollers	4.5" (114.3 mm)	9" (228.6mm)	6°	65 fpm	97.8 oz. (2774 g)
ID-RHF	Finger Transfer	1.5" (38.1mm)	1.25" (31.75mm)	10°	65 fpm	1.45 oz. (41 g)
ID-MSG	Transfer not available	X	X	X	X	X
ID-PSC	Transfer not available	X	X	X	X	X
ID-PMS	Transfer not available	X	X	X	X	X
ID-SMS	Transfer not available	X	X	X	X	X

Information based upon controlled environment and specific product.

Smallest Recommended Product Diameter For Chain Surface

ID-PHF	1" (25.4mm)
ID-RHF	1.125" (28.6mm)
ID-MSG	1" (25.4mm)
ID-PSC	1" (25.4mm)
ID-PMS	1" (25.4mm)
ID-SMS	1" (25.4mm)



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