

SpiralPlast

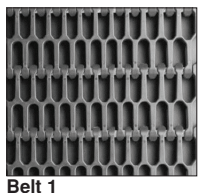
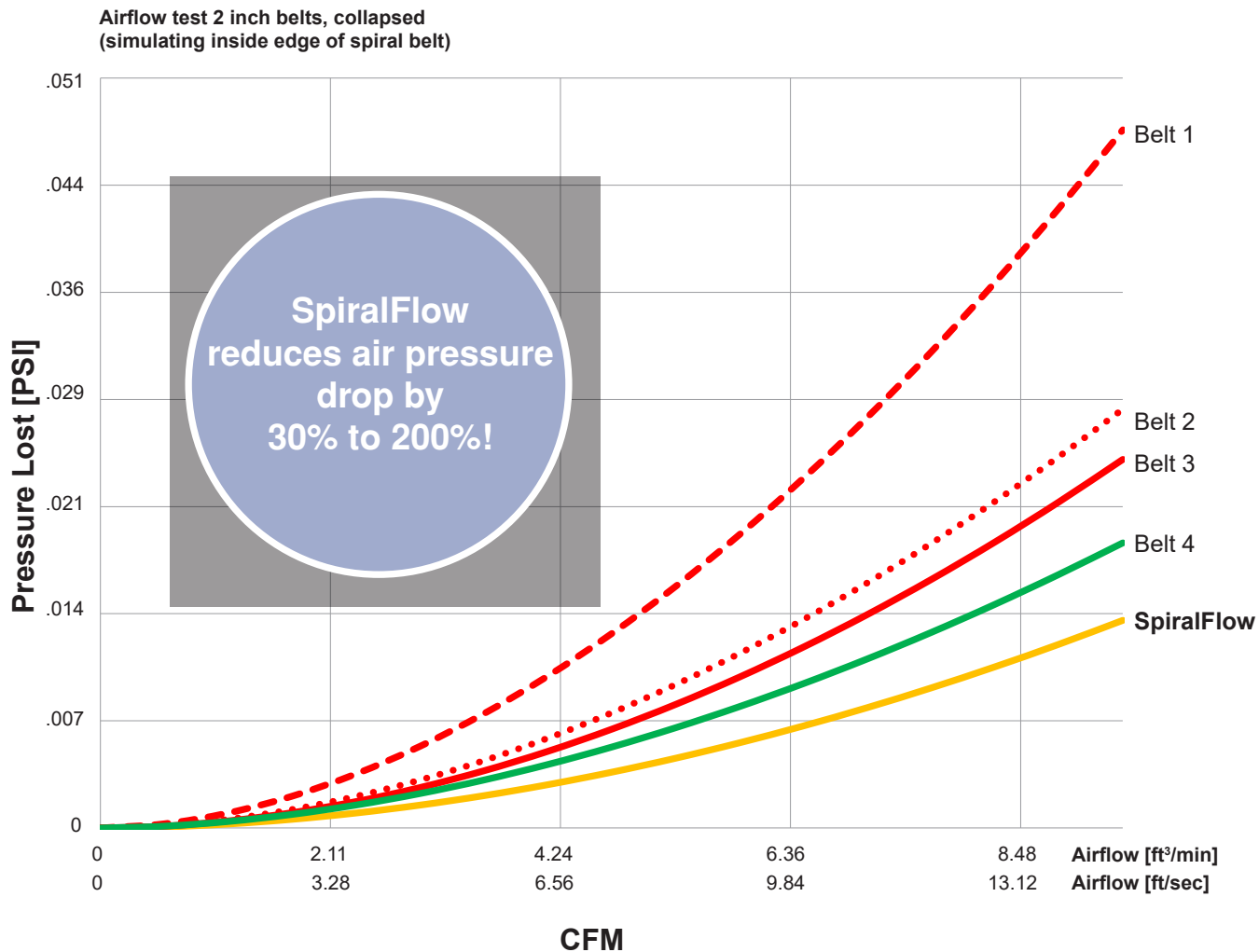
All Plastic Belts



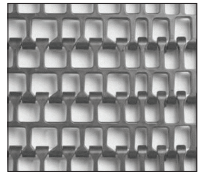
Improved air circulation reduces dwell time

An independent technological institute conducted air flow tests to quantify the air pressure drop (air flow resistance) through commonly available plastic spiral belts.

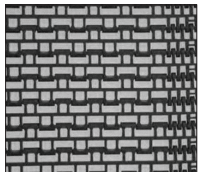
The lower the air pressure drop the more efficient the belt is since more air is passed through it. More air flow results in greater heat transfer, lower dwell times and increased production. Less air resistance also increases the efficiency of evaporator fans, resulting in lower electricity bills.



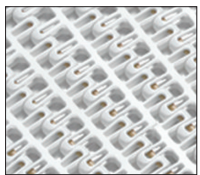
Belt 1



Belt 2



Belt 3



Belt 4

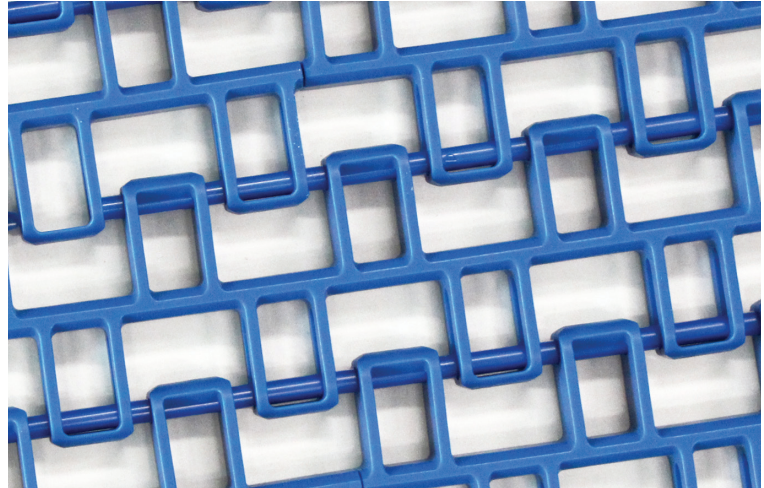
LOWER PRESSURE DROP = MORE AIRFLOW = CUSTOMER BENEFITS!

- More airflow around product
- Greater heat transfer
- More efficient cooling / freezing
- Significant power savings in vertical airflow machines
- Only 12% contact area (resulting in less condensation on base of product)
- Improved product quality

SpiralFlow

Key Advantages

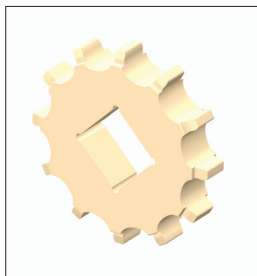
- 65% open area provides excellent vertical airflow
- Unique load sharing design improves strength
- 12% product contact area reduces condensation
- Lighter belt with high beam strength increases throughput
- Easy to clean link rod interface reduces sanitation cost
- Ideal for cooling & freezing of large food products



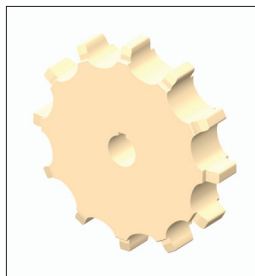
Specification	Units	SpiralFlow 100	SpiralFlow 200	
Pitch	in (mm)	1.0 (25.4)	2.0 (50.8)	
Min. Turn Radius	x belt width	2.2	2.2	1.6
Surface Opening	%	60%	65%	
Available Widths	in (mm)	11.9 - 45.2 (303 - 1147)*	12 - 68 (305 - 1727)*	23.9 - 59.9 (608 - 1522)*
Pin Diameter		.16 (4)	.24 (6)	
Backflex Radius		1.18 (30)	2.56 (65)	
Color		Blue - Available in other colors		
Material**	°F (°C)	Acetal (POM-D)	Polyamide (PA6.6)	Polypropylene (PP)
Temperature Range		-40 to 194 (-40 to 90)	-40 to 284 (-40 to 140)	34 to 219 (1 to 104)

* For larger belt widths contact customer service.

** Additional materials available.



Machined Square Bore



Machined Round Bore

Other sprocket sizes are available upon request.
Split sprockets are available upon request.
For more detailed sprocket information, contact Customer Service.

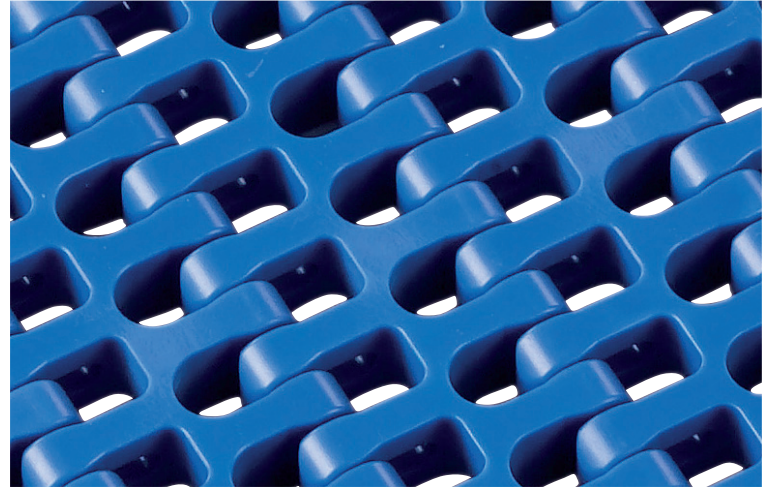
1 Inch Pitch Sprockets				
No. of teeth	Overall diameter		Pitch diameter	
	in	mm	in	mm
9	2.95	75.0	2.93	74.3
12	3.94	100.0	3.86	98.1
15	4.91	124.6	4.81	122.2
18	5.88	149.3	5.76	146.3

2 Inch Pitch Sprockets				
No. of teeth	Overall diameter		Pitch diameter	
	in	mm	in	mm
8	5.30	134.6	5.18	131.5
10	6.63	168.3	6.46	164.0
12	8.01	203.5	7.74	196.5
15	9.98	253.4	9.66	245.4

SpiralSurf

Key Advantages

- Optimum support for delicate products
- Unique load sharing design improves strength
- Fewer support rails due to increased beam strength
- Easy to clean link rod interface reduces sanitation cost
- Curved surface available for easy product release

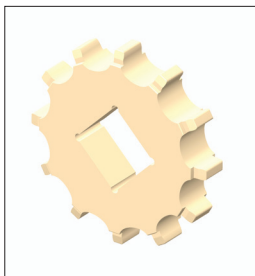


Specification	Units	SpiralSurf 100		SpiralSurf 200	
Pitch	in (mm)	1.0 (25.4)		2.0 (50.8)	
Min. Turn Radius	x belt width	2.2	1.6	2.2	1.6
Surface Opening	%	43%**		47%	
Available Widths	in (mm)	5.9 - 60 (149 - 1524)*	5.9 - 42 (149 - 1066)*	9.8 - 60 (250 - 1524)*	9.8- 42.9 (250 - 1089)*
Pin Diameter		.16 (4)		.24 (6)	
Backflex Radius		.98 (25.0)		3.94 (100.0)	
Color		Blue - Available in other colors			
Material**	°F (°C)	Acetal (POM-D)	Polyamide (PA6.6)	Polypropylene (PP)	
Temperature Range		-40 to 194 (-40 to 90)	-40 to 284 (-40 to 140)	34 to 219 (1 to 104)	

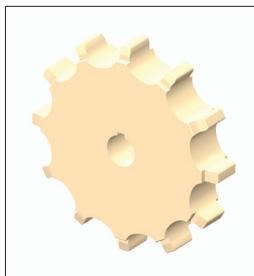
* For larger belt widths contact customer service.

** Non-stick curved belt surface available.

*** Additional materials available.



Machined Square Bore



Machined Round Bore

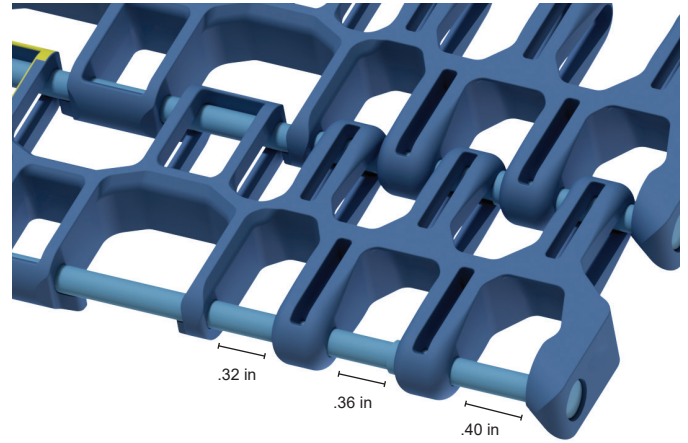
Other sprocket sizes are available upon request.
Split sprockets are available upon request.
For more detailed sprocket information, contact Customer Service.

1 Inch Pitch Sprockets				
No. of teeth	Overall diameter		Pitch diameter	
	in	mm	in	mm
7	2.28	58.0	2.30	58.5
9	2.95	75.0	2.93	74.3
12	3.94	100.0	3.86	98.1
15	4.91	124.6	4.81	122.2
18	5.88	149.3	5.76	146.3

2 Inch Pitch Sprockets				
No. of teeth	Overall diameter		Pitch diameter	
	in	mm	in	mm
8	5.30	134.6	5.18	131.5
10	6.63	168.3	6.46	164.0
12	8.01	203.5	7.74	196.5
15	9.98	253.4	9.66	245.4

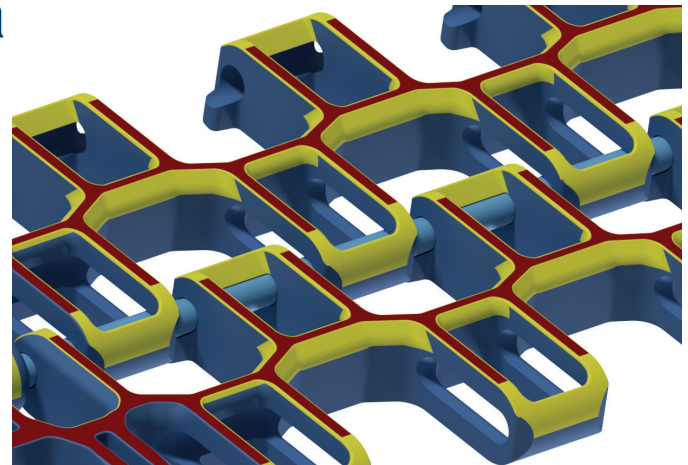
Superior Strength

SpiralPlast Belts have a unique variable pitch outer edge hinge design that allows for increasing rod deflection. Tension is shared over multiple hinges which prevents concentrated tension on one hinge. The tension sharing design increases operating strength and belt life.



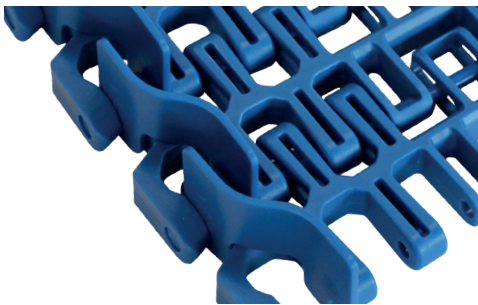
SpiralFlow Contact Area

The 45% tapered module design creates a 12% product contact area. This increases airflow around the product's base which minimizes condensation and improves product release.

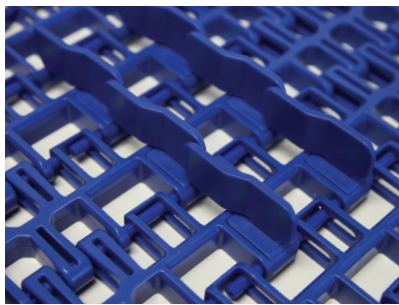


■ Product Contact Point ■ Tapered Surface

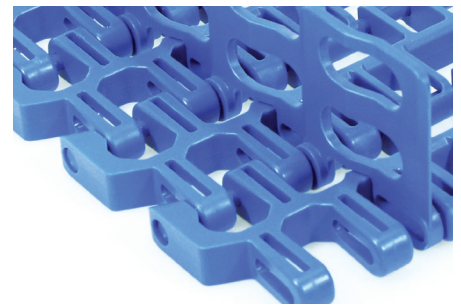
Accessories



Guard Edges



Lane Dividers



Open Guard Edges

