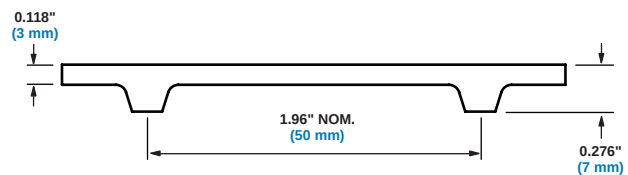
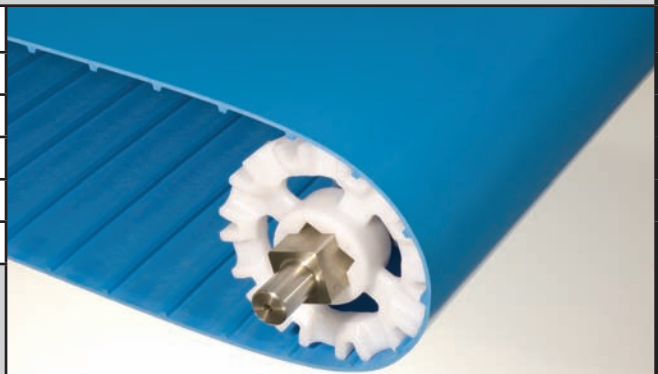


Flat Top (7 mm)

	in.	mm
Pitch	1.96	50
Overall Thickness	0.276	7.0
Minimum Width	1	25
Maximum Width ^a	42	1067
Open Area (seamless surface)	0%	

Product Notes

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt**
- Available in blue or white
- Product contact temperature range is -20 to 210°F (-29 to 99°C)
- Belt withstands typical sanitation temperatures
- Recommended pre-tension of 0%, driven with sprockets (positive drive)
- Minimum backbend diameter is 4" (102 mm)
- Minimum sprocket diameter is 4.0" (102 mm) 6 tooth
- Splicing methods - ThermoDrive Splicing System



^a Contact Customer Service for more information regarding belt widths over 42" (1067 mm).

Belt Data

Belt Material	BS Belt Strength ^a		Temperature Range (continuous)		W Belt Weight		Agency Acceptability			
	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA	3-A Dairy	NSF
Polyurethane	420	625	20 to 100 ^b	-7 to 38 ^b	0.98	4.78	•	•	•	•

^a With sprockets spaced on 3" (76 mm) centers.

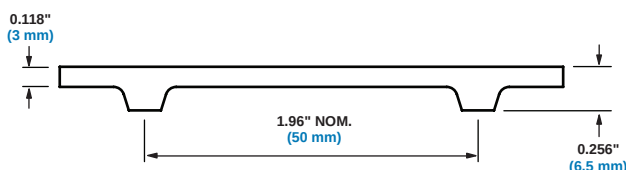
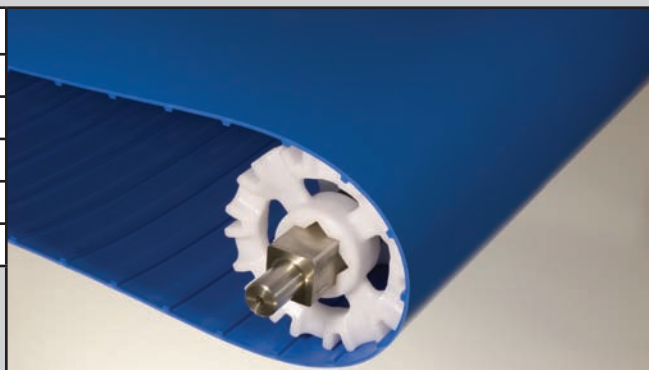
^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

Flat Top (6.5 mm)

	in.	mm
Pitch	1.96	50
Overall Thickness	0.256	6.5
Minimum Width	1	25
Maximum Width ^a	40	1016
Open Area (seamless surface)	0%	

Product Notes

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt**
- Available in blue
- Product contact temperature range is -5 to 265°F (-20 to 129°C)
- Belt withstands typical sanitation temperatures
- Recommended pre-tension of 0%, driven with sprockets (positive drive)
- Minimum backbend diameter is 6" (152 mm)
- Minimum sprocket diameter is 6.5" (165 mm) 10 tooth
- Splicing methods - ThermoDrive Splicing System



^a Contact Customer Service for more information regarding belt widths over 42" (1067 mm).

Belt Data

Belt Material	BS Belt Strength ^a		Temperature Range (continuous)		W Belt Weight		Agency Acceptability			
	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA	3-A Dairy	NSF
Polyester	1200	1786	20 to 100 ^b	-7 to 38 ^b	0.88	4.31	•	•	•	•

^a With sprockets spaced on 3" (76 mm) centers.

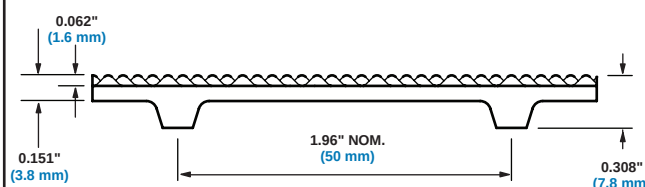
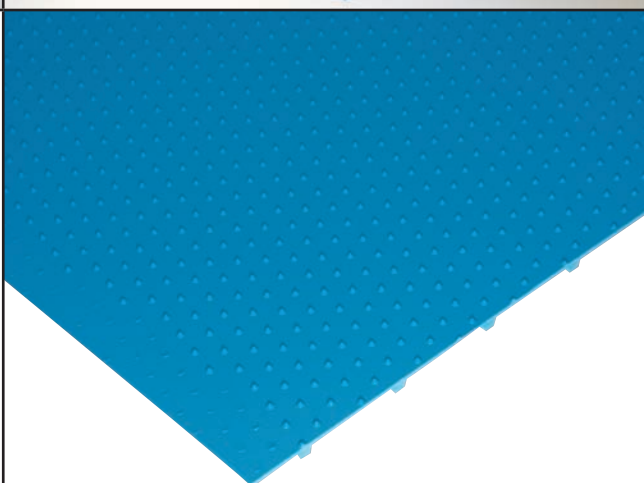
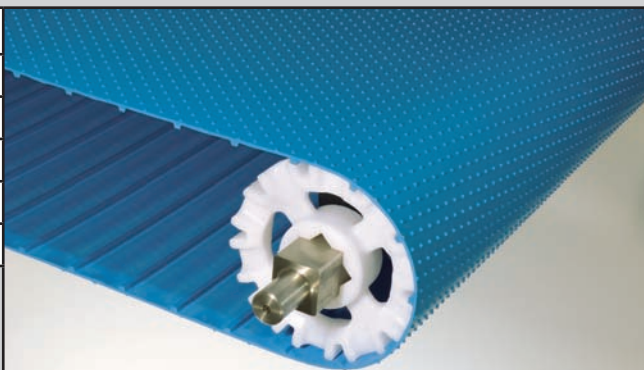
^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

Nub Top™ (7.8 mm)

	in.	mm
Pitch	1.96	50
Overall Thickness	0.308	7.8
Minimum Width	1	25
Maximum Width ^a	24	610
Open Area (seamless surface)	0%	

Product Notes

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt**
- Available in blue
- Product contact temperature range is -20 to 210°F (-29 to 99°C)
- Belt withstands typical sanitation temperatures
- Recommended pre-tension of 0%, driven with sprockets (positive drive)
- Minimum backband diameter is 3" (76 mm)
- Minimum sprocket diameter is 4.0" (102 mm) 6 tooth
- Splicing methods - ThermoDrive Splicing System



^a Contact Customer Service for more information regarding belt widths over 24" (610 mm).

Belt Data

Belt Material	BS Belt Strength ^a		Temperature Range (continuous)		W Belt Weight		Agency Acceptability			
	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA	3-A Dairy	NSF
Polyurethane	240	357	20 to 100 ^b	-7 to 38 ^b	0.67	3.27	•	•	•	•

^a With sprockets spaced on 3" (76 mm) centers.

^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

Sprocket and Support Quantity^d Reference

Belt Width Range ^a		Minimum Number of Sprockets per Shaft ^b
in.	mm	
1	25	1
3	76	2
6	152	3
9	229	4
12	305	5
15	381	6
18	457	7
21	533	8
24	610	9
27	686	10
30	762	11
33	838	12
36	914	13
39	991	14
42	1067	15
Maximum 3" (76 mm) CL Spacing ^c		

^a If your belt width exceeds 42" (1067 mm), contact Customer Service.

^b These are the minimum number of sprockets. Additional sprockets may be required for heavily loaded applications.

^c All sprockets should be locked down. Allow for maximum 0.75" (19 mm) lateral movement.

^d Carryway supports should be placed at center and every 3–6 inches (76–152 mm) CL. Contact Customer Service.

EZ Clean Sprocket Data

No. of Teeth	Nom. Pitch Dia. in.	Nom. Pitch Dia. mm	Nom. Outer Dia. in.	Nom. Outer Dia. mm	Nom. Hub Width in.	Nom. Hub Width mm	Available Bore Sizes			
							U.S. Sizes		Metric Sizes	
							Round in.	Square in.	Round mm	Square mm
6 ^a	4.0	102	3.7	94	1.5	38		1.5		40
8 ^a	5.2	132	5.0	127	1.5	38		1.5		40
10 ^a	6.5	165	6.3	160	1.5	38		1.5		40
12 ^b	7.7	196	7.5	191	1.0	25		1.5		40
16 ^b	10.3	262	10.1	257	1.5	38		1.5		40



^a Sprockets available in Blue Acetal.

^b Sprockets available in machined Natural Acetal with a star bore.

Support Wheel Data

Nom. Pitch Dia. in. ^a	Nom. Pitch Dia. mm	Nom. Hub Width in.	Nom. Hub Width mm	Available Bore Sizes			
				U.S. Sizes		Metric Sizes	
				Round in.	Square in.	Round mm	Square mm
5.2	132	1	25		1.5		40
6.5	165	1	25		1.5		40



^a Support Wheels are designed to work with corresponding PD sprockets.

Position Limiter Data^a

Sprocket Compatibility	Pitch Diameter	Dimensions
6 Tooth	4.0	3.75" H x 3" W x 1" T (95 mm x 75 mm x 25 mm)
8 Tooth	5.2	4" H x 3.25" W x 1" T (100 mm x 80 mm x 25 mm)
10 Tooth	6.5	4" H x 3.5" W x 1" T (100 mm x 90 mm x 25 mm)



^a Contact Customer Service for 12 tooth and 16 tooth position limiters. Material is UHMW.

Flighted Belt Position Limiter Data^a

Sprocket Compatibility	Pitch Diameter	Dimensions
6 Tooth	4.0	2" H x 2" W x 1" T (50 mm x 50 mm x 25 mm)
8 Tooth	5.2	2.5" H x 2" W x 1" T (63 mm x 50 mm x 25 mm)
10 Tooth	6.5	3" H x 2" W x 1" T (75 mm x 50 mm x 25 mm)



^a Contact Customer Service for 12 tooth and 16 tooth position limiters. Material is UHMW and 304 SS.

ThermoGienic 90° Flights

Available Flight Height (nominal)		Available Materials
in.	mm	
6	150	

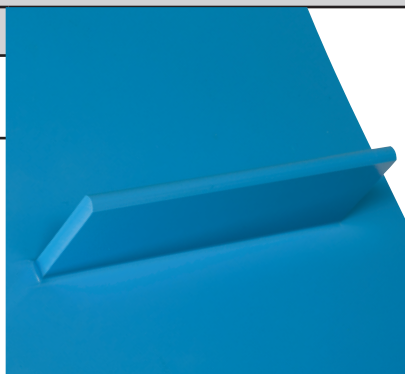
Note: Flights can be cut down to any height (minimum of 0.25" [6 mm]) required for a particular application.

Note: Minimum flight indent is 1.25" (32 mm).

Note: Blue Polyurethane flights available in 0.12" (3 mm), 0.16" (4 mm), and 0.28" (7 mm) thicknesses.

Note: White Polyurethane flights available in 0.16" (4 mm) and 0.28" (7 mm) thicknesses.

Note: Contact Customer Service for information regarding belt widths over 38" (965 mm).



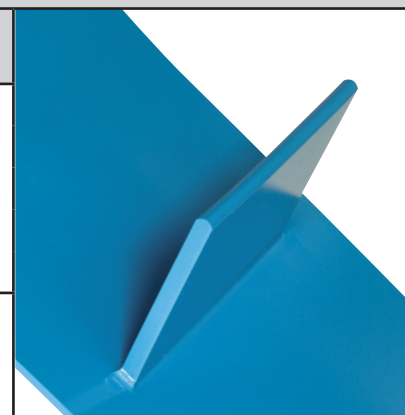
ThermoGienic 75° Flights

Available Flight Height (nominal)		Available Materials
in.	mm	
3	75	
4	100	
5	125	
6	150	

Note: Minimum flight indent is 1.25" (32 mm).

Note: Flights available in 0.16" (4 mm) and 0.28" (7 mm) thicknesses.

Note: Contact Customer Service for information regarding belt widths over 38" (965 mm).



ThermoGienic Scoop Flights

Available Flight Heights (nominal)		Available Materials
in.	mm	
3	75	
4	100	
5	125	
6	150	

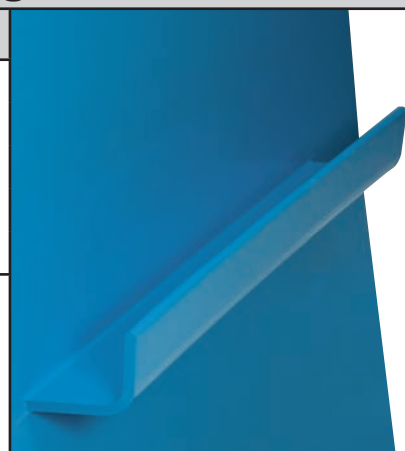
Note: Flight is 0.28" (7 mm) thick.

Note: Minimum flight indent is 1.25" (32 mm).

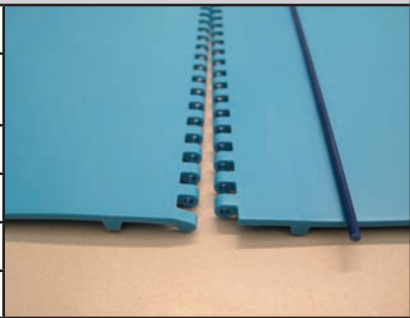
Note: Minimum flight spacing is 6" (150 mm).

Note: Flights not available for Nub Top.

Note: Contact Customer Service for information regarding belt widths over 38" (965 mm).



ThermoLace™ Joining Method

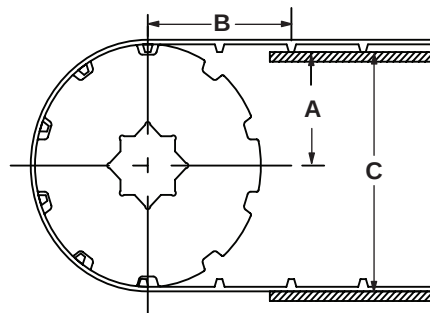
Strength Rating:	275 lb/ft (409 kg/m)	
Minimum/Maximum Width:	2" (50.8 mm) 42" (1066.8 mm)	
Width Increments:	0.50" (12.7 mm)	
Rod Diameter:	0.140" (3.6 mm)	
Rod Material:	Blue Acetal	
Flush Edge design:	Solid Link Rod Retention	

Conveyor Frame Dimensions

Position A: The vertical distance between the centerline of the sprocket shaft and the top of the carryway.

Position B: The horizontal distance between the centerline of the sprocket shaft and the beginning of the carryway.

Position C: The vertical distance between the top of the carryway and the top of the returnway.



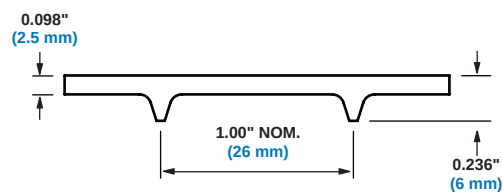
Sprocket Description			A		B		C	
Pitch Diameter		No. Teeth	Range (Bottom to Top)		Minimum		Minimum	
in.	mm		in.	mm	in.	mm	in.	mm
4.0	102	6	1.59–1.79	40–45	1.83	46	3.70	94
5.2	132	8	2.13–2.33	54–59	2.18	55	4.97	126
6.5	165	10	2.75–2.95	70–75	2.41	61	6.20	157
7.7	196	12	3.40–3.60	86–91	2.63	67	7.52	191
10.3	262	16	4.67–4.87	119–124	2.99	76	10.05	255

Flat Top (6 mm)

	in.	mm
Pitch (nominal)	1.00	26
Overall Thickness	0.236	6.0
Minimum Width	1	25
Maximum Width ^a	42	1067
Open Area (seamless surface)	0%	

Product Notes

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt**
- Available in blue or white
- Product contact temperature range is -20 to 210°F (-29 to 99°C)
- Belt withstands typical sanitation temperatures
- Recommended pre-tension of 0%, driven with sprockets (positive drive)
- Minimum backbend diameter is 3.25" (83 mm)
- Minimum sprocket diameter is 3.2" (81 mm) 10 tooth
- Splicing methods - ThermoDrive Splicing System



^a Contact Customer Service for more information regarding belt widths over 42" (1067 mm).

Belt Data

Belt Material	BS Belt Strength ^a		Temperature Range (continuous)		W Belt Weight		Agency Acceptability			
	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA	3-A Dairy	NSF
Polyurethane	300	446	20 to 100 ^b	-7 to 38 ^b	0.69	3.35	•	•	•	•

^a With sprockets spaced on 3" (76 mm) centers.

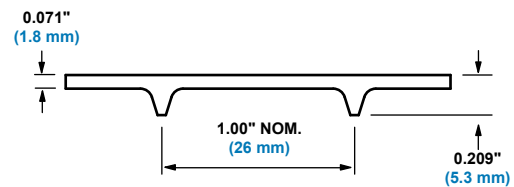
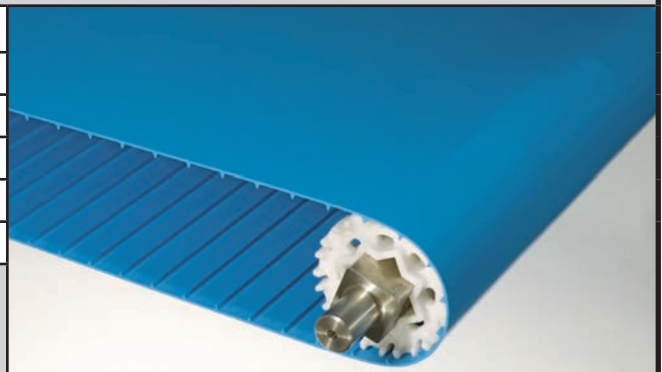
^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

Flat Top (5.3 mm)

	in.	mm
Pitch (nominal)	1.00	26
Overall Thickness	0.209	5.3
Minimum Width	1	25
Maximum Width ^a	42	1067
Open Area (seamless surface)	0%	

Product Notes

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt**
- Available in blue or white
- Product contact temperature range is -20 to 210°F (-29 to 99°C)
- Belt withstands typical sanitation temperatures
- Recommended pre-tension of 0%, driven with sprockets (positive drive)
- Minimum backbend diameter is 2.5" (64 mm)
- Minimum sprocket diameter is 2.0" (51 mm) 6 tooth
- Splicing methods - ThermoDrive Splicing System



^a Contact Customer Service for more information regarding belt widths over 42" (1067 mm).

Belt Data

Belt Material	BS Belt Strength ^a		Temperature Range (continuous)		W Belt Weight		Agency Acceptability			
	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA	3-A Dairy	NSF
Polyurethane	84	125	20 to 100 ^b	-7 to 38 ^b	0.57	2.78	•	•	•	•

^a With sprockets spaced on 3" (76 mm) centers. For 6 tooth and 8 tooth sprockets, the belt strength is 168 lb/ft (250 kg/m).

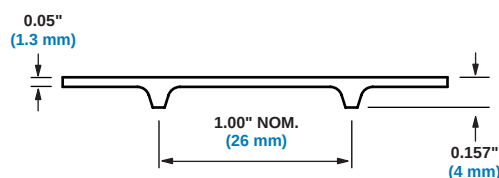
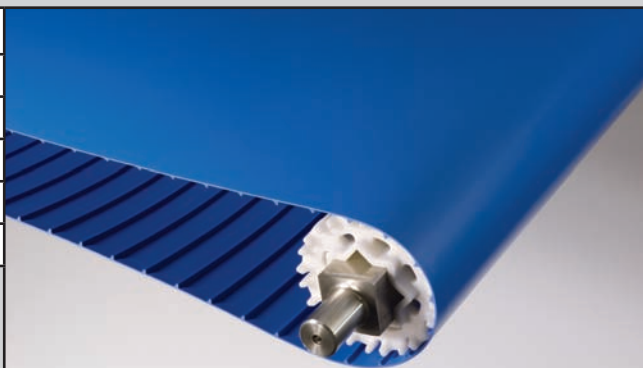
^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

Flat Top (4 mm)

	in.	mm
Pitch (nominal)	1.00	26
Overall Thickness	0.157	4.0
Minimum Width	1	25
Maximum Width ^a	42	1067
Open Area (seamless surface)	0%	

Product Notes

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt**
- Available in blue
- Product contact temperature range is -5 to 265°F (-20 to 129°C)
- Belt withstands typical sanitation temperatures
- Recommended pre-tension of 0%, driven with sprockets (positive drive)
- Minimum backbend diameter is 3.0" (76 mm)
- Minimum sprocket diameter is 3.2" (81 mm) 10 tooth
- Splicing methods - ThermoDrive Splicing System



^a Contact Customer Service for more information regarding belt widths over 42" (1067 mm).

Belt Data

Belt Material	BS Belt Strength ^a		Temperature Range (continuous)		W Belt Weight		Agency Acceptability			
	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA	3-A Dairy	NSF
Polyester	180	268	20 to 100 ^b	-7 to 38 ^b	0.38	1.87	•	•	•	•

^a With sprockets spaced on 3" (76 mm) centers.

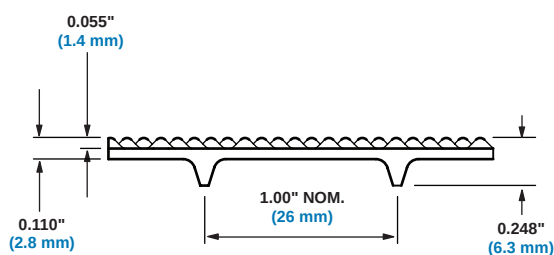
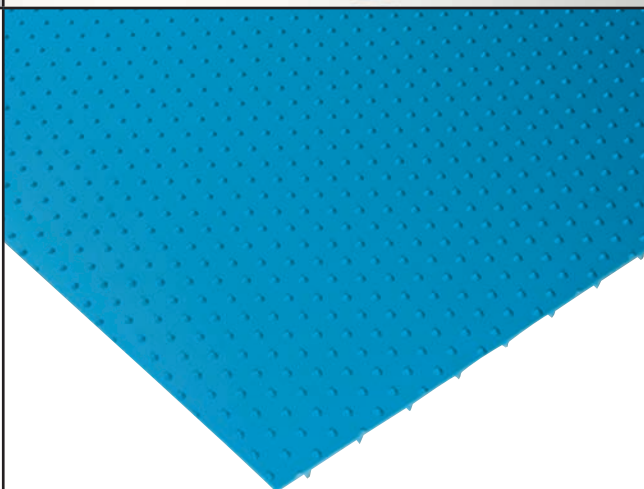
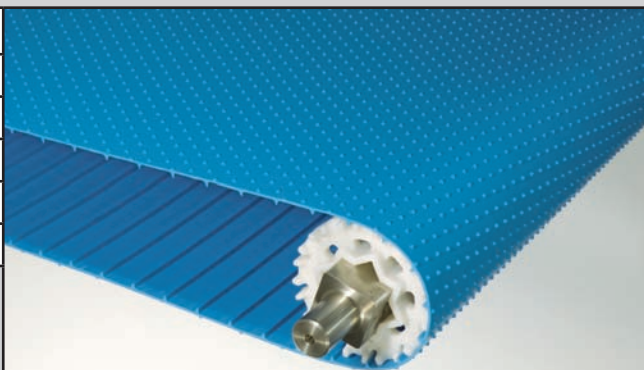
^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

Nub Top™ (6.3 mm)

	in.	mm
Pitch (nominal)	1.00	26
Overall Thickness	0.248	6.3
Minimum Width	1	25
Maximum Width ^a	24	610
Open Area (seamless surface)	0%	

Product Notes

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt**
- Available in blue
- Product contact temperature range is -20 to 210°F (-29 to 99°C)
- Belt withstands typical sanitation temperatures
- Recommended pre-tension of 0%, driven with sprockets (positive drive)
- Minimum backbend diameter is 2.5" (64 mm)
- Minimum sprocket diameter is 2.0" (51 mm) 6 tooth
- Splicing methods - ThermoDrive Splicing System



^a Contact Customer Service for more information regarding belt widths over 24" (610 mm).

Belt Data

Belt Material	BS Belt Strength ^a		Temperature Range (continuous)		W Belt Weight		Agency Acceptability			
	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA	3-A Dairy	NSF
Polyurethane	84	125	20 to 100 ^b	-7 to 38 ^b	0.35	1.71	•	•	•	•

^a With sprockets spaced on 3" (76 mm) centers. For 6 tooth and 8 tooth sprockets, the belt strength is 168 lb/ft (250 kg/m).

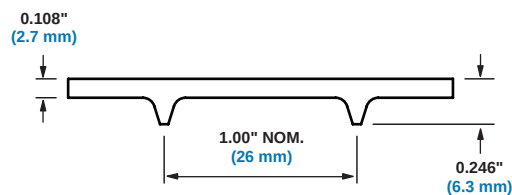
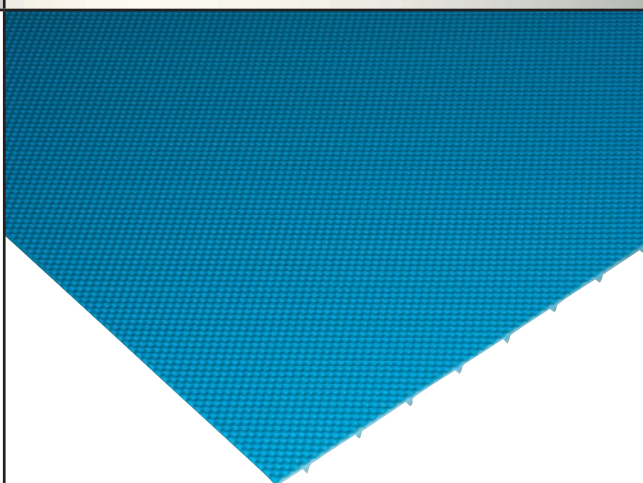
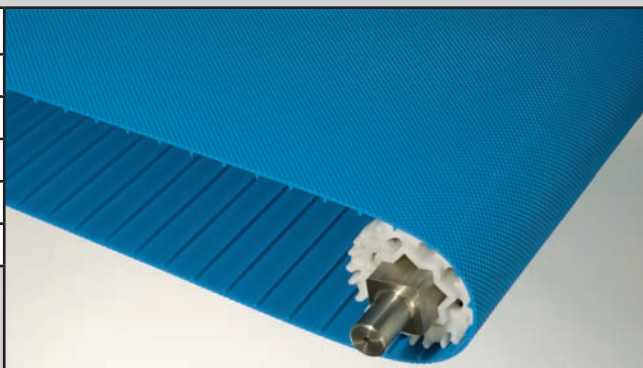
^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

Embedded Diamond Top (6.3 mm)

	in.	mm
Pitch (nominal)	1.00	26
Overall Thickness	0.246	6.3
Minimum Width	1	25
Maximum Width ^a	42	1067
Open Area (seamless surface)	0%	

Product Notes

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt**
- Available in blue
- Product contact temperature range is -20 to 210°F (-29 to 99°C)
- Belt withstands typical sanitation temperatures
- Recommended pre-tension of 0%, driven with sprockets (positive drive)
- Minimum backbend diameter is 3.25" (82 mm)
- Minimum sprocket diameter is 3.2" (81 mm) 10 tooth
- Splicing methods - ThermoDrive Splicing System



^a Contact Customer Service for more information regarding belt widths over 42" (1067 mm).

Belt Data

Belt Material	BS Belt Strength ^a		Temperature Range (continuous)		W Belt Weight		Agency Acceptability			
	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA	3-A Dairy	NSF
Polyurethane	300	446	20 to 100 ^b	-7 to 38 ^b	0.65	3.17	•	•	•	•

^a With sprockets spaced on 3" (76 mm) centers.

^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

Sprocket and Support Quantity^d Reference

Belt Width Range ^a		Minimum Number of Sprockets per Shaft ^b
in.	mm	
1	25	1
3	76	2
6	152	3
9	229	4
12	305	5
15	381	6
18	457	7
21	533	8
24	610	9
27	686	10
30	762	11
33	838	12
36	914	13
39	991	14
42	1067	15
Maximum 3" (76 mm) CL Spacing ^c		

^a If your belt width exceeds 42" (1067 mm), contact Customer Service.

^b These are the minimum number of sprockets. Additional sprockets may be required for heavily loaded applications.

^c All sprockets should be locked down. Allow for maximum 0.75" (19 mm) lateral movement.

^d Carryway Supports should be placed at center and every 3–6 inches (76–152 mm) CL. Contact Customer Service.

EZ Clean Sprocket Data

No. of Teeth	Nom. Pitch Dia. in.	Nom. Pitch Dia. mm	Nom. Outer Dia. in.	Nom. Outer Dia. mm	Nom. Hub Width in.	Nom. Hub Width mm	Available Bore Sizes			
							U.S. Sizes		Metric Sizes	
							Round in.	Square in.	Round mm	Square mm
6	2.0	51	1.8	46	1.0	25	1.0			
8	2.5	64	2.5	64	1.0	25	1.0			
10 ^a	3.2	81	3.2	81	1.0	25	1.0	1.5	25	40
12 ^b	3.9	99	3.8	97	1.0	25		1.5		40
20 ^a	6.4	163	6.4	163	1.0	25		1.5		40



^a Intralox Series 1600 EZ Clean Sprockets.

^b Sprockets available in Natural or Blue Acetal.

Support Wheel Data

Nom. Pitch Dia. in.	Nom. Pitch Dia. mm	Nom. Hub Width in.	Nom. Hub Width mm	Available Bore Sizes			
				U.S. Sizes		Metric Sizes	
				Round in.	Square in.	Round mm	Square mm
3.9	99	1	25		1.5		40



^a Support Wheels are designed to work with corresponding PD sprockets.

Position Limiter Data^a

Sprocket Compatibility	Pitch Diameter	Dimensions
10 Tooth	3.2	3.25" H x 2.5" W x 1" T (80 mm x 60 mm x 25 mm)
12 Tooth	3.9	3.75" H x 3" W x 1" T (95 mm x 75 mm x 25 mm)
20 Tooth	6.4	4" H x 3.5" W x 1" T (100 mm x 90 mm x 25 mm)



^a Contact Customer Service for 6 tooth and 8 tooth position limiters. Material is UHMW.

Flighted Belt Position Limiter Data^a

Sprocket Compatibility	Pitch Diameter	Dimensions
10 Tooth	3.2	1.5" H x 2" W x 1" T (38 mm x 50 mm x 25 mm)
12 Tooth	3.9	2" H x 2" W x 1" T (50 mm x 50 mm x 25 mm)
20 Tooth	6.4	3" H x 2" W x 1" T (75 mm x 50 mm x 25 mm)



^a Contact Customer Service for 6 tooth and 8 tooth position limiters. Material is UHMW and 304 SS.

ThermoGienic 90° Flights

Available Flight Height (nominal)		Available Materials
in.	mm	Polyurethane
6	150	

Note: Flights can be cut down to any height (minimum of 0.25" [6 mm]) required for a particular application.

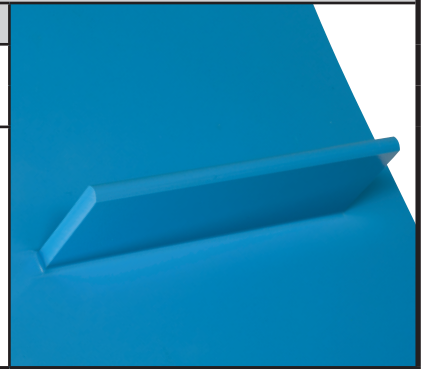
Note: Minimum flight indent is 1.25" (32 mm).

Note: Blue Polyurethane flights available in 0.12" (3 mm) and 0.16" (4 mm) thicknesses.

Note: White Polyurethane flights available in 0.16" (4 mm) thickness.

Note: Flights not available in Embedded Diamond Top.

Note: Contact Customer Service for information regarding belt widths over 38" (965 mm).



ThermoGienic 75° Flights

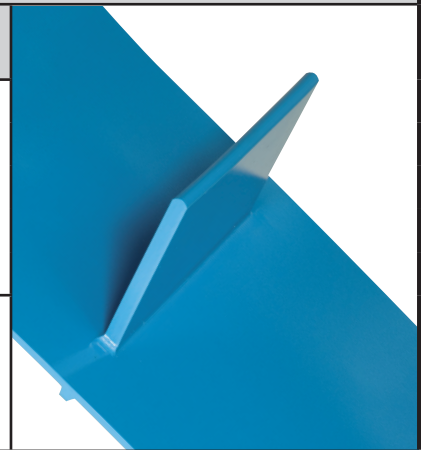
Available Flight Height (nominal)		Available Materials
in.	mm	Polyurethane
3	75	
4	100	
5	125	
6	150	

Note: Minimum flight indent is 1.25" (32 mm).

Note: Flights available in 0.16" (4 mm) thickness.

Note: Flights not available in Embedded Diamond Top.

Note: Contact Customer Service for information regarding belt widths over 38" (965 mm).

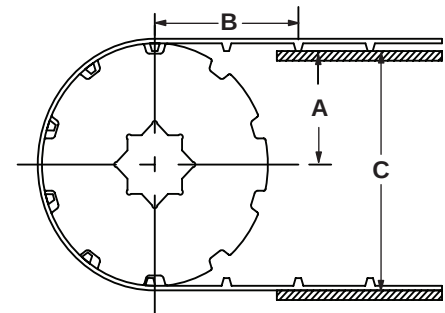


Conveyor Frame Dimensions

Position A: The vertical distance between the centerline of the sprocket shaft and the top of the carryway.

Position B: The horizontal distance between the centerline of the sprocket shaft and the beginning of the carryway.

Position C: The vertical distance between the top of the carryway and the top of the returnway.



Sprocket Description			A		B		C	
Pitch Diameter		No. Teeth	Range (Bottom to Top)		Minimum		Minimum	
in.	mm		in.	mm	in.	mm	in.	mm
2.0	51	6	0.70–0.90	18–23	1.35	34	1.86	47
2.5	64	8	0.92–1.12	23–28	1.60	41	2.50	64
3.2	81	10	1.25–1.45	32–37	1.77	45	3.15	80
3.9	99	12	1.56–1.76	40–45	1.92	49	3.78	96
6.4	163	20	2.85–3.05	72–77	2.41	61	6.36	162

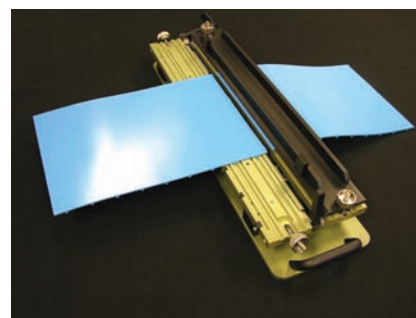
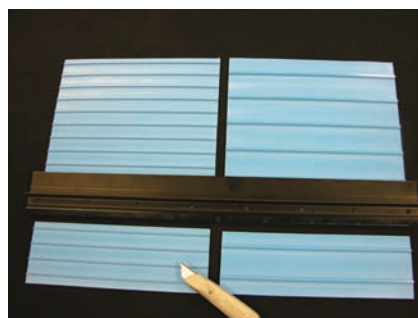
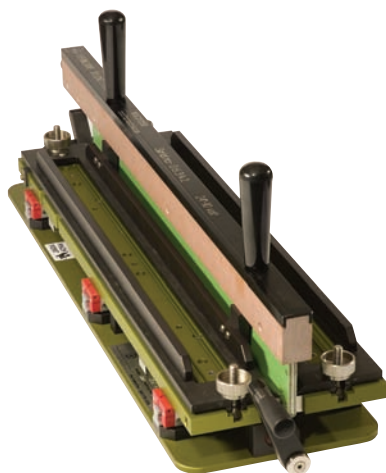
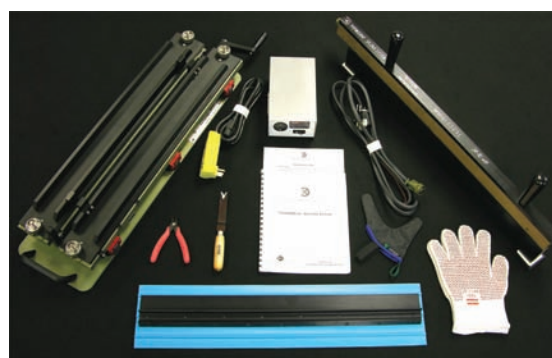
ThermoDrive Splicing System^a

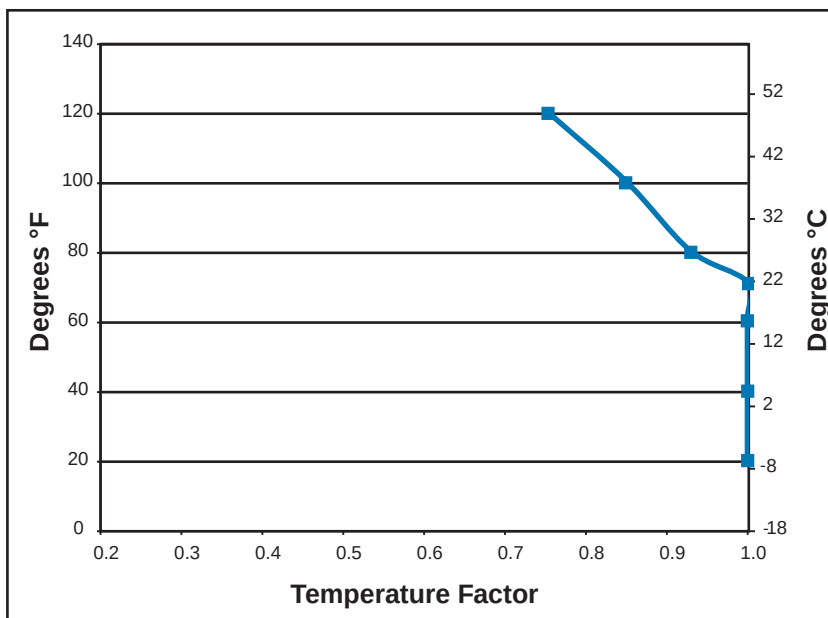
Max Belt Width		Min/Max Temp Range		Electric Power Supply	Complete System Weight		Clamping Fixture			
							Dimensions		Weight	
							in.	mm	lb	kg
24	610	400 to 550	204 to 288	110	96	44	36 L x 9 W x 6 H	914 L x 229 W x 152 H	50	23
42	1067			220	142	64	53 L x 9 W x 6 H	1346 L x 229 W x 152 H	78	35

^a Compatible with 8050 & 8026 (Polyurethane & Polyester).

ThermoDrive Splicing System includes:

- User's Manual
- Storage Case
- Clamping Fixture
- Heat Wand & Holder
- Control Box
- Cutting Template
- Heat Resistant Gloves
- Safe-Cut Finger Guard
- Hyde Trim Tool
- Xcelite Trimmers





Temperature

Temperature has an affect on the physical properties of thermoplastic materials. Generally, as the operating temperature increases, the belt will weaken in strength, but become tougher and more impact resistant. Conversely, in colder applications, belts can become stiffer and in some cases brittle. The temperature factor curve shows the effect of temperature on belt strength, and this graph can be used in calculating the conveyor belt analysis by hand. The Intralox Engineering Program calculates the temperature factor automatically, based on the operating temperature of the application.

This chemical resistance chart is printed as a general reference guide only. Each application has unique circumstances that may alter the results as printed herein. No guarantee of chemical resistance is given or implied.

The resistance of ThermoDrive belting to the following chemicals can be enhanced by reducing product temperature, chemical concentration, and the length of exposure to the chemicals.

A - Excellent**B - Good****C - Strong Solvent**
(Only for Superficial Cleaning)**D - Not Recommended***** - No Data**

CHEMICAL	Polyurethane	Polyester
Acetic Acid, Glacial	D	A
Acetic Acid, Glacial (100°F–38°C)	D	B
Acetic Acid (20%)	D	A
Acetic Acid (3%)	D	A
Acetic Anhydride	D	D
Acetone	D	C
Acetylene	A	A
Acrylic Acid	*	*
Aluminum Chloride	A	B
Aluminum Sulphate	A	A
Ammonium Carbonate	A	A
Ammonium Chloride	B	D
Ammonium Hydroxide	B	B
Ammonium Nitrate	A	A
Ammonium Nitrite	A	A
Ammonium Persulfate	*	*
Ammonium Phosphate	A	A
Ammonium Sulphate	A	B
Ammonium Sulfide	A	A
Amyl Acetate	D	B
Amyl Alcohol	A	A
Aniline	D	D
Animal Oils & Fats	A	A
Anti-Freeze	B	B
Asphalt	B	B
ASTM Oil #1 (300°F–149°C)	A	A
ASTM Oil #3 (300°F–149°C)	A	A
ASTM Reference Fuel A (158°F–70°C)	A	A
ASTM Reference Fuel B (148°F–70°C)	B	A
ASTM Reference Fuel C	B	A
ASTM Reference Fuel C (158°F–70°C)	B	B
Barium Chloride	A	B
Barium Hydroxide	A	A
Barium Sulfide	A	A
Beer	A	A
Beet Sugar Liquors	A	A

CHEMICAL	Polyurethane	Polyester
Benzene	C	A
Borax	A	A
Boric Acid	B	A
Brake Fluid	D	B
Bromine, Anhydrous Liquid	D	D
Butane	A	A
Butter	A	A
Butyl Acetate	D	B
Butyric Acid	*	*
Calcium Bisulfite	D	D
Calcium Chloride	B	A
Calcium Hydroxide	A	A
Calcium Hypochlorite (5%)	A	A
Calcium Nitrate	A	A
Calcium Sulfide	A	A
Caliche (Sodium Nitrate)	D	B
Cane Sugar	A	A
Carbon Bisulfide	B	A
Carbon Dioxide	A	A
Carbon Monoxide	A	A
Carbon Tetrachloride	B	D
Castor Oil	B	A
Cheese	A	A
Chinawood Oil	B	A
Chlorine Gas, Dry	D	D
Chlorine Gas, Wet	D	D
Chloroacetic Acid	D	D
Chlorobenzene	D	D
Chloroform	D	B
Chlorosulphonic Acid	D	D
Chromic Acid	D	D
Citric Acid	A	A
Coconut Oil	A	A
Copper Chloride	A	B
Copper Sulphate	A	A
Corn Oil	A	A

A - Excellent
B - Good
C - Strong Solvent
(Only for Superficial Cleaning)

D - Not Recommended
*** - No Data**

CHEMICAL	Polyurethane	Polyester
Cottonseed Oil	A	A
Cresol	D	D
Creosote	B	A
Cyclohexane	B	A
Cyclohexanone	D	D
Denatured Alcohol	C	C
Diesel Oil	B	A
Dibutyl Phthalate	A	A
Diethyl Sebacate	A	A
Diethyl Ether	B	B
Dimethyl Acetamide	D	D
Dimethyl Formamide	D	B
Dimethyl Sulphoxide	D	D
Diocetyl Phthalate (DOP)	A	A
DUAL, Trademark of Ciba Geigy Corp	A	A
Epichlorohydrin	D	D
Ethanol	C	A
Ethyl Acetate	D	B
Ethyl Cellulose	D	D
Ethylene Chloride	D	D
Ethylene Dichloride	D	D
Ethylene Glycol	A	A
Ethylene Oxide	A	A
Ferric Chloride	B	B
Ferric Sulphate	B	B
Fertilizer	B	B
Fish Oil	A	A
Flour	A	A
Fluosilicic Acid	B	D
Formaldehyde (40%)	B	B
Formic Acid	D	B
Freon, DuPont (11, 12, 113, 114)	A	A
Fruit Acids	A	A
Fuel Oil	B	A
Furfural	C	C
Gasoline	B	A
Glucose	A	A
Glue	A	A
Glycerin	A	A
Hexane	A	A
Hexanol	A	A
Hydraulic Oils	B	B
Hydrazine	D	D
Hydrochloric Acid (37%)	D	D

CHEMICAL	Polyurethane	Polyester
Hydrochloric Acid (20%)	D	B
Hydrochloric Acid (3%)	D	B
Hydrocyanic Acid	D	D
Hydrofluoric Acid (75%)	D	D
Hydrofluoric Acid (48%)	D	D
Hydrofluoric Acid, Anhydrous	D	D
Hydrogen	A	A
Hydrogen Peroxide	C	C
Hydrogen Sulphide	B	A
Iodine	D	D
Isooctane	A	A
Isopropyl Alcohol	C	A
Javelle Water (0.5%)	D	D
JP-4 Jet Fuel	B	B
Kerosene	B	A
Lacquer Solvents	D	D
Lactic Acid	B	A
Lard	A	A
Lineolic Acid	D	B
Linseed Oil	B	A
Lubricating Oils	B	B
Magnesium Chloride	A	A
Magnesium Hydroxide	B	B
Magnesium Sulfate	A	A
Meat & Bone Meal	A	A
Mercuric Chloride	D	D
Mercury	D	D
Methyl Alcohol (Methanol)	C	A
Methyl Isobutyl Ketone (MIBK)	C	C
Methyl Ethyl Ketone (MEK)	C	C
Methylene Chloride	D	D
Milk	A	A
Mineral Oils	A	A
Mineral Spirits	C	A
Molasses	A	A
Mustard	A	A
Naphthalene	C	C
Nickel Chloride	B	A
Nickel Sulphate	B	A
Nitric Acid (20%)	D	D
Nitric Acid (3%)	D	B
Nitric Acid, Red Fuming	D	D
Nitrobenzene	D	D
Nut Oil	A	A

A - Excellent**B - Good****C - Strong Solvent**
(Only for Superficial Cleaning)**D - Not Recommended***** - No Data**

CHEMICAL	Polyurethane	Polyester
Oils & Fats	A	A
Oleic Acid	B	A
Oleum	D	D
Olive Oil	A	A
Oxalic Acid	B	B
Ozone	D	D
Palm Kernel Oil	A	A
Palmitic Acid	B	B
Peanut Oil	A	A
Pentane	A	A
Paraffin	A	A
Perchloroethylene	D	D
Petroleum	B	B
Phenol	D	D
Phosphoric Acid, Diluted	B	B
Pickling Solution (20% Nitric Acid, 4% HF)	D	D
Pickling Solution (1% Nitric Acid, 4% HF)	B	B
Pine Resin	A	A
Potassium Chloride	A	A
Potassium Dichromate	A	A
Potassium Hydroxide	B	B
Potassium Nitrate	A	A
Potassium Sulphate	A	A
Pydraul 312, Trademark of Monsanto Inc.	A	A
Pyridine	D	D
Rosemary Oil	A	A
SAE 10 Oil	A	A
Salt Water	A	A
Shellac	B	A
Silicone	A	A
Skydrol 500B, Trademark of Monsanto, Inc.	A	A
Soap Solutions	A	A
Soda Ash	B	B
Sodium Bisulfate	B	A
Sodium Chloride (25%)	B	A
Sodium Citrate	D	B
Sodium Dichromate (20%)	D	B
Sodium Hydroxide (46%)	D	D
Sodium Hydroxide (3%) (Lye)	B	B
Sodium Hypochlorite (3%) (Bleach)	B	B
Sodium Nitrate (25%)	B	B
Sodium Nitrate (3%)	A	A
Sodium Propionate	D	B
Sodium Sulfite (3%)	B	B

CHEMICAL	Polyurethane	Polyester
Soy Bean Oil	A	A
Stannous Chloride (15%)	B	B
Steam (212°F–100°C)	C	A
Steam (230°F–110°C)	C	A
Stearic Acid	B	B
Styrene	D	B
Sulphur, Molten	D	D
Sulphur Dioxide, Liquid	D	B
Sulphur Dioxide, Gas	D	D
Sulphuric Acid (20%)	D	D
Sulphuric Acid (3%)	B	B
Sulphurous Acid	B	B
Sugar	A	A
Tannic Acid (10%)	A	A
Tar	B	B
Tartaric Acid	B	B
Tetrahydrofuran	D	D
Tobacco	A	A
Toluene	C	B
Tomato Juice	A	A
Tomatoes, Ketchup	A	A
Treflan, Trademark of Elanco, Inc.	B	B
Tetrachloroethylene	D	D
Trichloroethylene	C	B
Triethanolamine (3%)	D	D
Tricresyl Phosphate	B	B
Trisodium Phosphate	A	A
Tung Oil	A	A
Turpentine	C	B
Urea (3%)	B	A
Urine	B	B
Vegetable Oils & Fats	A	A
Vinegar	A	A
Water (72°F–22°C)	A	A
Water (158°F–70°C)	A	A
Water (212°F–100°C)	C	A
Whiskey & Wine	A	A
Xylene	B	B
Zinc Chloride	B	B
Zinc Sulphate	B	B

3-A DAIRY: 3-A Sanitary Standards, Inc. is a non-profit association representing equipment manufacturers, processors, regulatory sanitarians and other public health professionals.

A

ACETAL: A thermoplastic that is strong, has a good balance of mechanical and chemical properties, and has good fatigue endurance and resilience. It has a low coefficient of friction.

B

BELT PITCH: The center distance between drive bars of an assembled belt.

BELT STRENGTH: The maximum tensile loading that a belt can withstand.

E

EMBEDDED DIAMOND TOP (6.3 MM): An embedded diamond top belt that has an overall thickness of 6.3 mm.

F

F.D.A. (Food and Drug Administration): A federal agency which regulates materials that may come in contact with food products.

FLAT TOP (4 MM): A flat top belt that has an overall thickness of 4 mm.

FLAT TOP (5.3 MM): A flat top belt that has an overall thickness of 5.3 mm.

FLAT TOP (6 MM): A flat top belt that has an overall thickness of 6 mm.

FLAT TOP (6.5 MM): A flat top belt that has an overall thickness of 6.5 mm.

FLAT TOP (7 MM): A flat top belt that has an overall thickness of 7 mm.

FLIGHTED BELT POSITION LIMITER: See *Position Limiter*. For use on flighted belts.

N

NSF: “The Public Health and Safety Company.” NSF International is a non-profit association that helps protect consumers by certifying products and writing standards for food, water, and consumer goods.

NUB TOP™ (6.3 MM): A nub top belt that has an overall thickness of 6.3 mm.

NUB TOP™ (7.8 MM): A nub top belt that has an overall thickness of 7.8 mm.

O

OPEN AREA: The percentage of area in the plane of a plastic belt that is unobstructed by plastic.

OUTER DIAMETER: The distance from the top of a sprocket tooth to the top of the opposite tooth, measured through the centerline of the sprocket.

P

PREPARED ENDS: Belt ends are prepared and ready to weld when received by the customer. No measuring or cutting is required.

POLYURETHANE: A thermoplastic that is rigid and smooth with a sealed surface. Polyurethane offers superior impact resistance, while providing excellent wear properties and elastic memory.

POLYESTER: A thermoplastic that features high stiffness and strength, low water absorption, and good resistance to many chemicals.

POSITIVE DRIVE: A term used to describe a class of conveyor belt drive systems in which drive power is consistently imparted to the conveyor belt from the drive device strictly through the mechanical engagement and interaction of the significant meshing features of the belt and drive device.

POSITION LIMITER: A device that is used in tension-less, positive drive belting systems, to ensure proper continuous engagement of the positive drive belt with its drive sprocket by controlling the position of the belt during the drive tooth hand-off process. It differs from a belt snubber in that it does not increase belt wrap or belt tension at the drive sprocket location.

PRE-TENSION: The amount of tension initially imposed on the conventional conveyor belt, creating a tight wrap on the drive pulley so that drive power can be effectively transmitted from the drive pulley to the conveyor belting during ramping and running without the occurrence of belt slippage.

R

RETAINER RINGS: A shaft and sprocket accessory that restricts the lateral movement of the sprocket with respect to the shaft.

S

SEAMLESS SURFACE: A belt surface that does not have seams, holes, etc.

SPLICING SYSTEM: A kit that includes a welding system and other components to splice a ThermoDrive belt together.

STAR BORE: A bore size that is designed to accommodate either a 1.5" square shaft or 40 mm square shaft.

SUPPORT WHEEL: A wheel used on the idle end of conveyors to support the belt instead of using sprockets.

T

THERMOGIENIC 90° FLIGHTS: An NSF approved, hygienic, 90 degree vertical surface across the width of the belt, employed where elevation of product is required.

THERMOGIENIC 75° FLIGHTS: An NSF approved, hygienic, 75 degree vertical surface across the width of the belt, employed where elevation of product is required.

THERMOGIENIC SCOOP FLIGHTS: A scooped surface across the width of the belt, employed where elevation of product is required.

THERMOLACE JOINING METHOD: A plastic hinge lace joining option using a plastic rod instead of a traditional ThermoDrive splice.

U

U.S.D.A. (United States Department of Agriculture): A federal agency which regulates equipment that may be employed in meat, dairy, and poultry facilities.