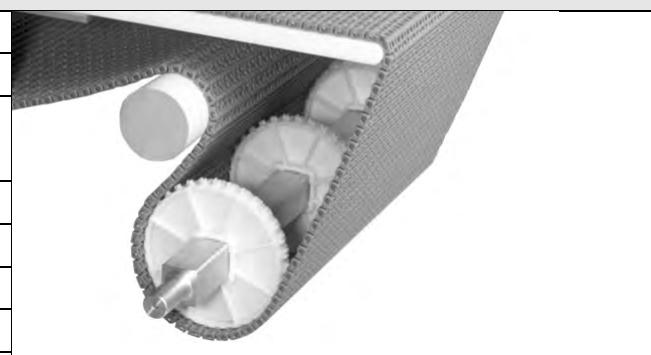


Flush Grid

	in	mm
Pitch	0.60	15.2
Minimum Width		See Product Notes
Width Increments		
Min. Opening Size (approx.)	0.17 x 0.10	4.3 x 2.5
Max. Opening Size (approx.)	0.31 x 0.10	7.9 x 2.5
Open Area	28%	
Hinge Style	Open	
Drive Method	Hinge-driven	

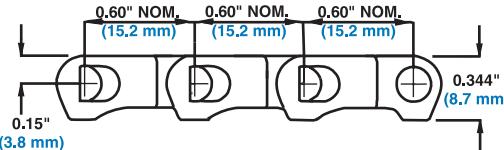
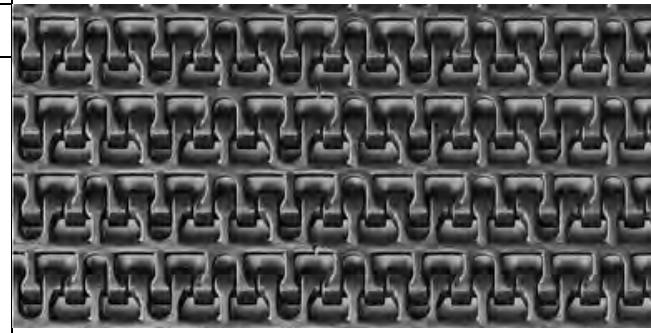


Product Notes

- **Contact Intralox for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Lightweight with smooth surface grid.
- Uses headless rods.
- Mini-pitch reduces chordal action and transfer dead plate gap.
- Custom-built in widths that vary by material. Acetal and polypropylene are built in widths from 3 in (76 mm) and up, in 0.5 in (12.7 mm) increments. FR-TPES is built in widths from 5 in (127 mm) and up, in 1.0 in (25.4 mm) increments. All other materials are built in widths 3 in (76 mm) and up, in 1.0 in (25.4 mm) increments.
- Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers.
- For information regarding sprocket placement, refer to the Center Sprocket Offset chart on page 410.

Additional Information

- See "Belt Selection Process" (page 5)
- See "Standard Belt Materials" (page 9)
- See "Special Application Belt Materials" (page 9)
- See "Friction Factors" (page 13)

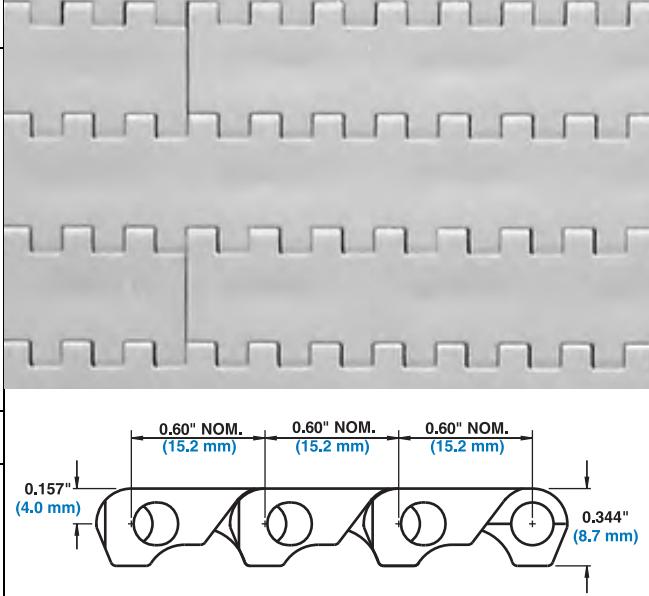


Belt Data

Belt Material	Standard Rod Material Ø 0.18 in (4.6 mm)	BS	Belt Strength	Temperature Range (continuous)		W	Belt Weight
			lb/ft	kg/m	°F	°C	
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.81	3.95
Polyethylene	Polyethylene	450	670	-50 to 150	-46 to 66	0.87	4.25
Acetal	Polypropylene	1300	1940	34 to 200	1 to 93	1.19	5.80
HSEC Acetal	Polypropylene	800	1190	34 to 200	1 to 93	1.19	5.80
FR-TPES	Polypropylene	750	1120	40 to 150	4 to 66	1.30	6.34
HHR Nylon	HHR Nylon	1100	1640	-50 to 310	-46 to 154	1.14	5.57
HR Nylon ^a	Nylon	1100	1640	-50 to 240	-46 to 116	1.07	5.22
UV Resistant Polypropylene	UV Resistant Polypropylene	700	1040	34 to 220	1 to 104	0.81	3.98
Detectable Polypropylene A22	Polypropylene	450	670	34 to 150	1 to 66	1.04	5.08
Acetal ^b	Polyethylene	1200	1790	-50 to 70	-46 to 21	1.19	5.80
UVFR	UVFR	700	1042	-34 to 200	1 to 93	1.57	7.67

a. This product may not be used for food contact articles that will come in contact with food containing alcohol.

b. Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.

Flat Top				
	in	mm		
Pitch	0.60	15.2		
Minimum Width	3	76		
Width Increments	1.00	25.4		
Opening Size (approximate)	-	-		
Open Area	0%			
Hinge Style	Open			
Drive Method	Hinge-driven			
Product Notes				
<ul style="list-style-type: none"> • Contact Intralox for precise belt measurements and stock status before designing equipment or ordering a belt. • Lightweight with smooth, closed surface grid. • Uses headless rods. • Mini-pitch reduces chordal action and transfer dead plate gap. • Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers. • For information regarding sprocket placement, refer to the Center Sprocket Offset chart on page 410. 				
Additional Information				
<ul style="list-style-type: none"> • See "Belt Selection Process" (page 5) • See "Standard Belt Materials" (page 9) • See "Special Application Belt Materials" (page 9) • See "Friction Factors" (page 13) 				
				

Belt Data								
Belt Material	Standard Rod Material Ø 0.18 in (4.6 mm)	BS	Belt Strength		Temperature Range (continuous)		W	Belt Weight
			lb/ft	kg/m	°F	°C		
Polypropylene	Polypropylene	500 ^a	744 ^a	34 to 220	1 to 104	0.90	4.40	
Polyethylene	Polyethylene	300 ^a	450 ^a	-50 to 150	-46 to 66	0.96	4.69	
HR Nylon	Nylon	500	744	-50 to 240	-46 to 116	1.15	5.61	
Acetal	Polypropylene	1000	1490	34 to 200	1 to 93	1.30	6.35	
Acetal ^b	Polyethylene	900	1340	-50 to 70	-46 to 21	1.30	6.35	
X-Ray Detectable Acetal	X-Ray Detectable Acetal	800	1191	-50 to 200	-46 to 93	1.6	7.81	
Detectable Polypropylene A22	Polypropylene	300	446	34 to 150	1 to 66	1.09	5.32	

a. When using steel split sprockets, the belt strength for polypropylene is 400 lb/ft (595 kg/m): polyethylene is 240 lb/ft (360 kg/m)

b. Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.

Perforated Flat Top

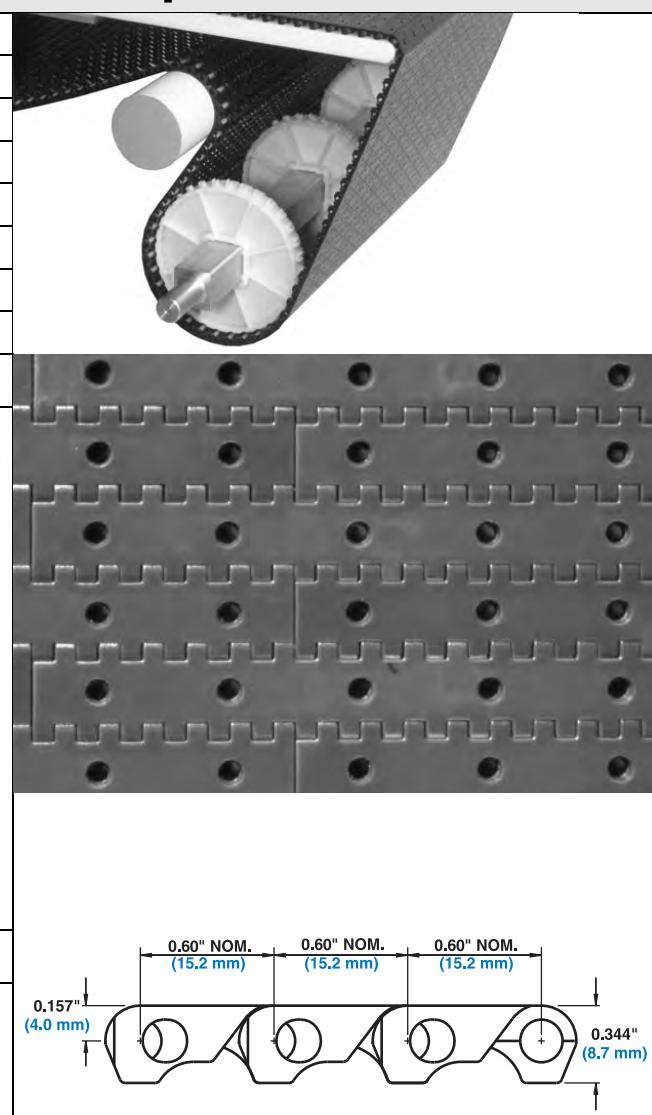
	in	mm
Pitch	0.60	15.2
Minimum Width	3	76
Width Increments	1.00	25.4
Opening Size (approximate)	-	-
Open Area	See Product Notes	
Hinge Style	Open	
Drive Method	Hinge-driven	

Product Notes

- Contact Intralox for precise belt measurements and stock status before designing equipment or ordering a belt.
- Uses headless rods.
- For use on vacuum applications requiring tight, end-to-end transfers.
- Underside design and small pitch allow the belt to run smoothly around nosebars.
- Available with 5/32 in (4 mm) round perforations on a nominal 1 in (25.4 mm) x 0.6 in (15.2 mm) perforation pattern.
- 5.3% open area includes 2.1% open area at the hinge.
- Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers.
- For information regarding sprocket placement, refer to the Center Sprocket Offset chart on page 410.

Additional Information

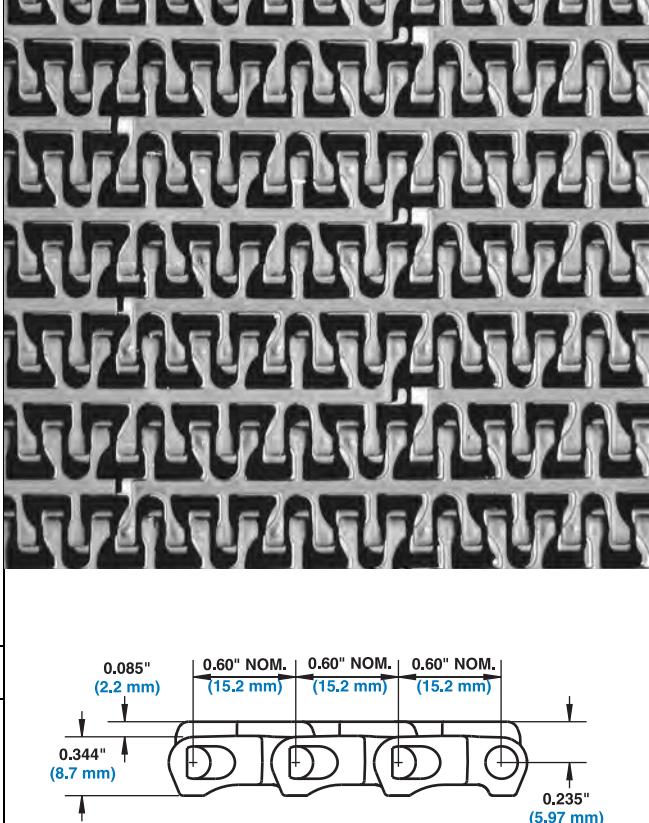
- See "Belt Selection Process" (page 5)
- See "Standard Belt Materials" (page 9)
- See "Special Application Belt Materials" (page 9)
- See "Friction Factors" (page 13)



Belt Data

Belt Material	Standard Rod Material Ø 0.18 in (4.6 mm)	BS		Temperature Range (continuous)		W	
		lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²
Acetal	Polypropylene	1000	1490	34 to 200	1 to 93	1.30	6.35
Acetal ^a	Polyethylene	900	1340	-50 to 70	-46 to 21	1.30	6.35

a. Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.

Flush Grid Friction Top				
	in	mm		
Pitch	0.60	15.2		
Minimum Width	3	76		
Width Increments	0.5	12.7		
Opening Size (approximate)	0.17 x 0.10	4.3 x 2.5		
Open Area	28%			
Hinge Style	Open			
Drive Method	Hinge-driven			
Product Notes				
<ul style="list-style-type: none"> • Contact Intralox for precise belt measurements and stock status before designing equipment or ordering a belt. • Available in grey PP with grey rubber, blue PP with blue rubber, grey PP with black rubber, and white PP with white rubber. • Uses headless rods. • Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers. • For information regarding sprocket placement, refer to the Center Sprocket Offset chart on page 410. • Belts have a 0.34 in (8.6 mm) molded indent. • If a center-drive setup is used, it may be necessary to place collars to laterally retain the belt at the backbend roller before the drive. Abrasion resistant rods are recommended. • Temperature, environmental conditions, and product characteristics affect the effective maximum degree of incline. Take these items into consideration when designing conveyor systems utilizing these belts. 				
Additional Information				
<ul style="list-style-type: none"> • See "Belt Selection Process" (page 5) • See "Standard Belt Materials" (page 9) • See "Special Application Belt Materials" (page 9) • See "Friction Factors" (page 13) 				
 				

Belt Data												
Base Belt Material	Base/Friction Color	Standard Rod Material Ø 0.18 in (4.6 mm)	BS		Belt Strength	Temperature Range (continuous)		W		Friction Top Hardness	Agency Acceptability	
			lb/ft	kg/m		°F	°C	lb/ft ²	kg/m ²		FDA (USA)	EU MC ^b
Polypropylene	Grey/Grey	Polypropylene	700	1040	34 to 150	1 to 66	1.18	5.76	64 Shore A			
Polypropylene	Grey/Black	Polypropylene	700	1040	34 to 150	1 to 66	1.18	5.76	55 Shore A	a		
Polypropylene	White/White	Polypropylene	700	1040	34 to 150	1 to 66	1.18	5.76	55 Shore A	a	c	
Polypropylene	High Performance FT Blue/Blue	Polypropylene	700	1040	34 to 212	1 to 100	1.18	5.76	59 Shore A	a	c	
Polypropylene	Blue/Blue	Polypropylene	700	1040	34 to 150	1 to 66	1.18	5.76		a	c	

• - Fully compliant

a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods.

b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011.

c - EU compliant with Restriction: Do not use in direct contact with fatty foods.

Flush Grid Friction Top, No Indent

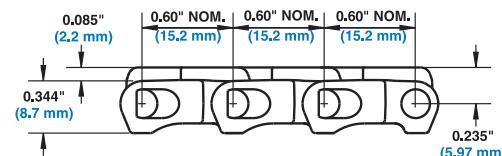
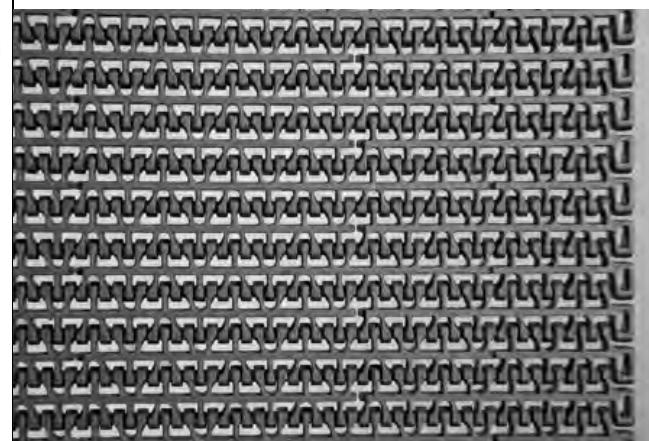
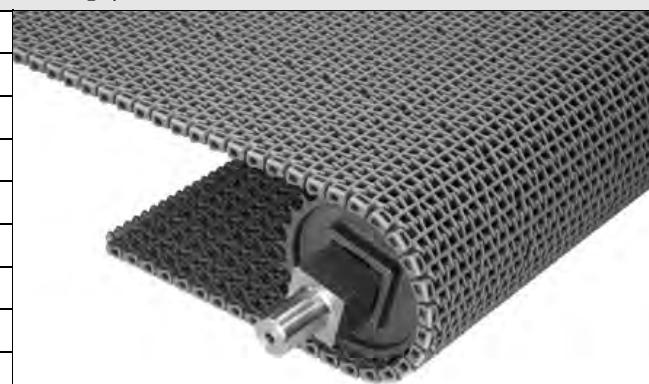
	in	mm
Pitch	0.60	15.2
Minimum Width	3	76
Width Increments	0.5	12.7
Opening Size (approximate)	0.17 x 0.10	4.3 x 2.5
Open Area		28%
Hinge Style		Open
Drive Method		Hinge-driven

Product Notes

- Contact Intralox for precise belt measurements and stock status before designing equipment or ordering a belt.
- Available in blue PP with blue rubber.
- Uses headless rods.
- Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers.
- For information regarding sprocket placement, refer to the Center Sprocket Offset chart on Page 1.
- If a center-drive setup is used, it may be necessary to place collars to laterally retain the belt at the backbend roller before the drive. Abrasion resistant rods are recommended.
- Temperature, environmental conditions, and product characteristics affect the effective maximum degree of incline. Take these items into consideration when designing conveyor systems utilizing these belts.

Additional Information

- See "Belt Selection Process" (page 5)
- See "Standard Belt Materials" (page 9)
- See "Special Application Belt Materials" (page 9)
- See "Friction Factors" (page 13)



Belt Data

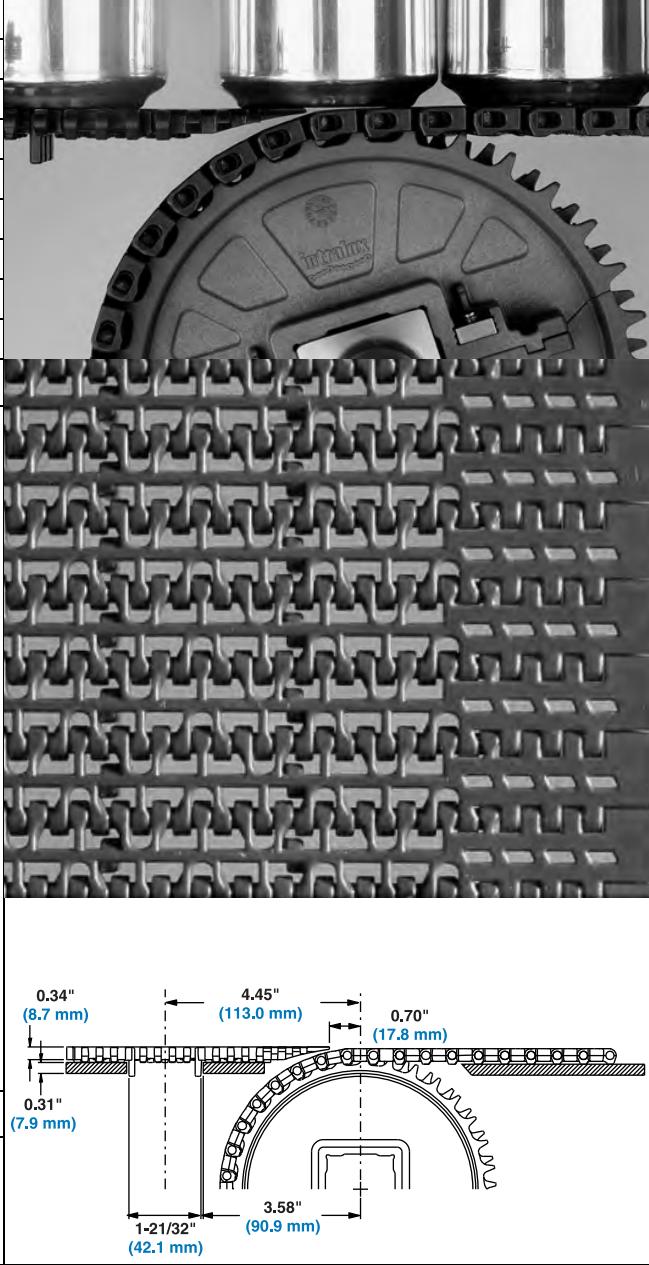
Base Belt Material	Base/Friction Color	Standard Rod Material Ø 0.18 in (4.6 mm)	BS		Belt Strength	Temperature Range (continuous)	W		Belt Weight	Friction Top Hardness	Agency Acceptability	
			lb/ft	kg/m			°F	°C			FDA (USA)	EU MC ^b
Polypropylene	Blue/Blue	Polypropylene	700	1040	34 to 150	1 to 66	1.07	5.22	55 Shore A	a	c	
Polypropylene	High Performance FT Blue/Blue	Polypropylene	700	1040	34 to 212	1 to 100	1.18	5.76	59 Shore A	a	c	

• - Fully compliant

a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods.

b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011.

c - EU compliant with Restriction: Do not use in direct contact with fatty foods.

ONEPIECE™ Live Transfer Flush Grid				
	in	mm		
Pitch	0.60	15.2		
Minimum Width	6	152		
Width Increments	1.00	25.4		
Min. Opening Size (approx.)	0.17 x 0.10	4.3 x 2.5		
Max. Opening Size (approx.)	0.31 x 0.10	7.9 x 2.5		
Open Area	28%			
Hinge Style	Open			
Drive Method	Hinge-driven			
Product Notes				
<ul style="list-style-type: none"> • Contact Intralox for precise belt measurements and stock status before designing equipment or ordering a belt. • Lightweight with smooth surface grid. • Mini-pitch reduces chordal action, resulting in a smoother product transfer. • Uses headed rods. • Transfer edge is an integral part of this belt. • Designed for smooth, self-clearing, right angle transfers onto takeaway belts. • Molded tracking tabs fit into standard 1-3/4 in (44.5 mm) wearstrip tracks ensuring proper belt alignment. • Built with nylon rods for superior wear resistance. • Recommended for use with EZ tracking sprockets. • You may need to include a fixed frame support member beneath the ONEPIECE™ Live Transfer belt prior to the actual transfer. This ensures that the ONEPIECE™ Live Transfer belt does not snag when it intersects with the takeaway belt. See "Fig. 3-31 PARABOLIC GUIDE RAIL CONTOURS WITH 6.0 in. (152 mm) ONEPIECE™ LIVE TRANSFER BELT" (page 442). • Also available in 6 in (152 mm) Mold to Width. • Use sprockets with a pitch diameter of 3.5 in (89 mm) or larger. • For custom belt widths, contact Customer Service. 				
Additional Information				
<ul style="list-style-type: none"> • See "Belt Selection Process" (page 5) • See "Standard Belt Materials" (page 9) • See "Special Application Belt Materials" (page 9) • See "Friction Factors" (page 13) 				
				

Belt Data

Belt Material	Standard Rod Material Ø 0.18 in (4.6 mm)	BS	Belt Strength		Temperature Range (continuous)		W	Belt Weight
			lb/ft	kg/m	°F	°C		
Acetal	Nylon	1300	1940	34 to 200	1 to 93	1.19	5.80	
FR-TPES	Nylon	750	1120	40 to 150	4 to 66	1.30	6.34	
HHR Nylon	HHR Nylon	1100	1640	-50 to 310	-46 to 154	1.20	5.80	

Flush Grid Nub Top™

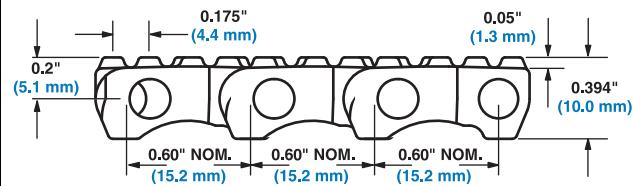
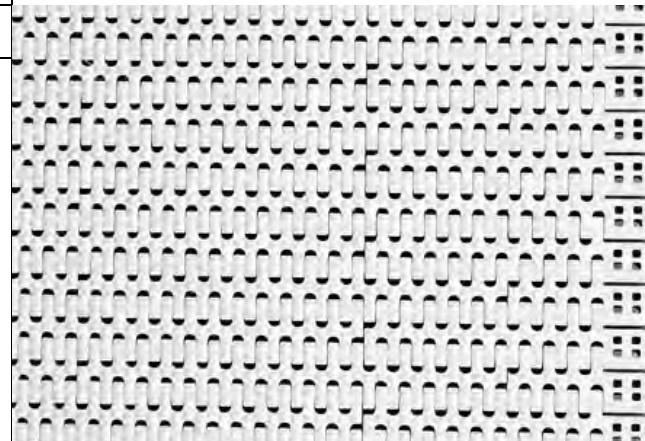
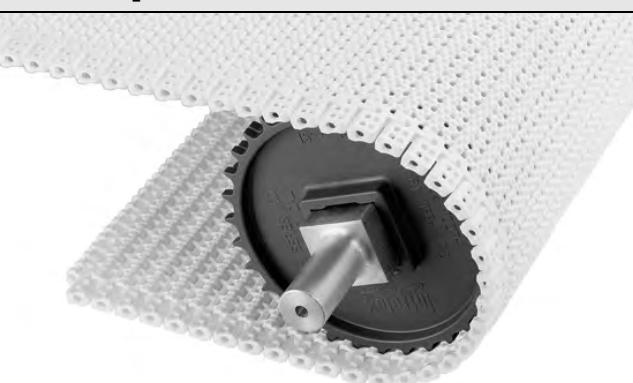
	in	mm
Pitch	0.60	15.2
Minimum Width	3	76
Width Increments	1.00	25.4
Opening Size (approx.)	0.18 x 0.09	4.4 x 2.3
Open Area		15%
Product Contact Area		26%
Hinge Style		Open
Drive Method		Hinge-driven

Product Notes

- Contact Intralox for precise belt measurements and stock status before designing equipment or ordering a belt.
- Standard Nub indent is 1.0 inch (25.4 mm).
- Uses headless rods.
- Nub pattern reduces contact between belt surface and product.
- Manufactured in acetal, polypropylene, and polyethylene (for frozen products).
- Recommended for products large enough to span the distance between the nubs.
- Flush Grid Nub Top flights are available.

Additional Information

- See "Belt Selection Process" (page 5)
- See "Standard Belt Materials" (page 9)
- See "Special Application Belt Materials" (page 9)
- See "Friction Factors" (page 13)



Belt Data

Belt Material	Standard Rod Material Ø 0.18 in (4.6 mm)	BS		Temperature Range (continuous)		W		Belt Weight	
		lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²		
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.93	4.55		
Acetal	Polypropylene	1300	1940	34 to 220	7 to 93	1.36	6.65		
Polyethylene	Polyethylene	450	670	-50 to 150	-46 to 66	1.00	4.90		
Acetal	Polyethylene	1200	1790	-50 to 70	-46 to 21	1.36	6.65		

a. When using polyurethane sprockets, the Belt Strength for polypropylene, acetal, and nylon is 750 lbs/ft (1120 kg/m), and the temperature range for the sprocket is 0 °F (-18 °C) to 120 °F (49 °C). Contact Customer Service for availability of polyurethane sprockets.

Embedded Diamond Top				
	in	mm		
Pitch	0.60	15.2		
Minimum Width	3	76		
Width Increments	1.00	25.4		
Opening Size (approx.)	-	-		
Open Area	0%			
Hinge Style	Open			
Drive Method	Hinge-driven			
Product Notes				
<ul style="list-style-type: none"> • Contact Intralox for precise belt measurements and stock status before designing equipment or ordering a belt. • Lightweight with smooth, closed surface grid. • Uses headless rods. • Mini-pitch reduces chordal action and transfer dead plate gap. • Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers. • For information regarding sprocket placement, refer to the Center Sprocket Offset chart on page 410. 				
Additional Information				
<ul style="list-style-type: none"> • See "Belt Selection Process" (page 5) • See "Standard Belt Materials" (page 9) • See "Special Application Belt Materials" (page 9) • See "Friction Factors" (page 13) 				

Belt Data						
Belt Material	Standard Rod Material Ø 0.18 in (4.6 mm)	BS	Belt Strength ^a	Temperature Range (continuous)		W Belt Weight
			lb/ft	kg/m	°F	
Polyethylene	Polyethylene		300	450	-50 to 150	-46 to 66
					0.96	4.69

a. When using steel sprockets, the belt strength for polyethylene is 240 lb/ft (360 kg/m).

Cone Top™

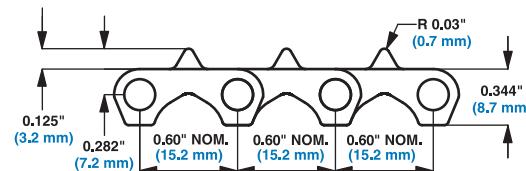
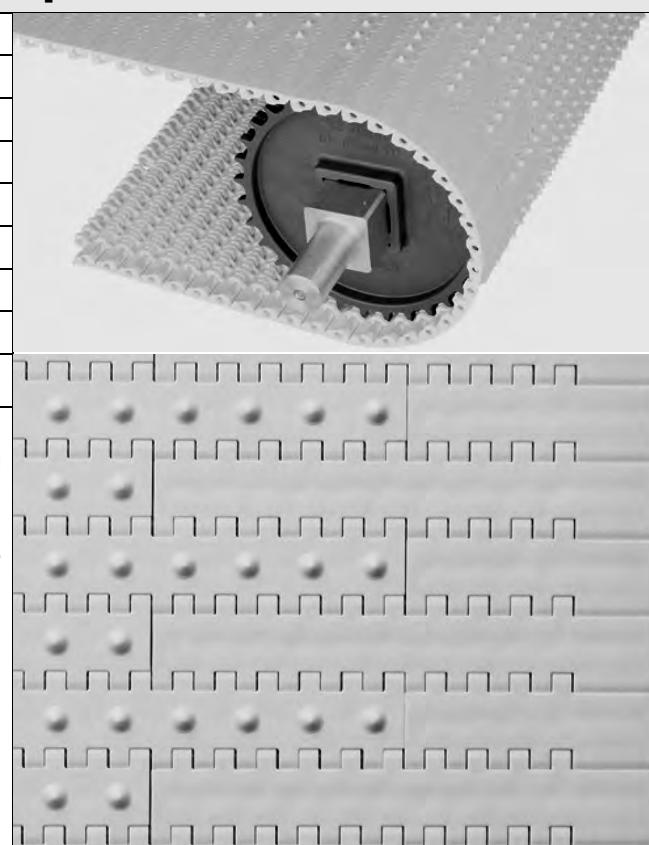
	in	mm
Pitch	0.60	15.2
Minimum Width	9	229
Width Increments	1.00	25.4
Opening Size (approx.)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Hinge-driven	

Product Notes

- Contact Intralox for precise belt measurements and stock status before designing equipment or ordering a belt.
- Uses headless rods.
- Mini-pitch reduces chordal action and transfer dead plate gap.
- Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers.
- For information regarding sprocket placement, refer to the Center Sprocket Offset chart on page 410.
- Minimum nominal alternating edge indents of 2.in (51 mm) and 3 in (76 mm).

Additional Information

- See "Belt Selection Process" (page 5)
- See "Standard Belt Materials" (page 9)
- See "Special Application Belt Materials" (page 9)
- See "Friction Factors" (page 13)



Belt Data

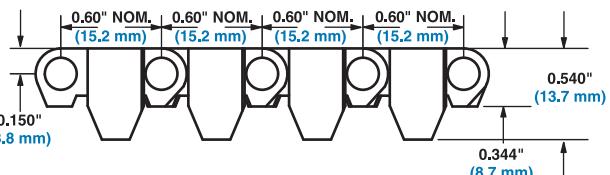
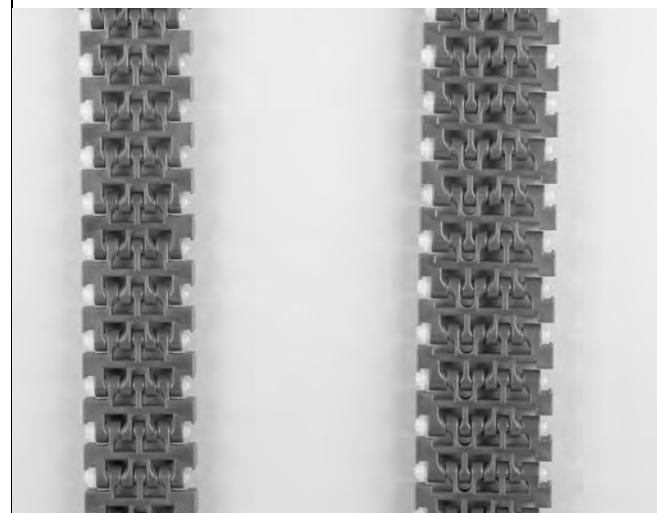
Belt Material	Standard Rod Material Ø 0.18 in (4.6 mm)	BS		Temperature Range (continuous)		W		Belt Weight
		lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	
Acetal	Polypropylene	1000	1490	34 to 200	1 to 93	1.31	6.40	
HR Nylon	Nylon	500	744	-50 to 240	-46 to 116	1.18	5.76	

Flush Grid Mold to Width, 38 and 46 mm Wide

	in	mm
Pitch	0.60	15.2
Molded Widths	1.5 & 1.8	38 & 46
Min. Opening Size (approx.)	0.17 x 0.10	4.3 x 2.5
Max. Opening Size (approx.)	0.31 x 0.10	7.9 x 2.5
Open Area	26%	
Hinge Style	Open	
Drive Method	Hinge-driven	

Product Notes

- Contact Intralox for precise belt measurements and stock status before designing equipment or ordering a belt.
- Boxed in 10 ft (3.05 m) increments.
- Flush edges with snap-in rod retention.
- Uses headed rods.
- Tracking tabs provide lateral tracking.
- All chains come with nylon rodlets standard, providing longer service life.
- Lightweight with smooth surface grid.
- Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers.
- One (1) sprocket maximum per shaft for both widths.
- EZ Track™ sprockets only.
- The 38 mm belt has a 1.2 in (30.6 mm) spacing between tabs. The 46 mm belt has a 1.54 in (39.1 mm) spacing.



Additional Information

- See "Belt Selection Process" (page 5)
- See "Standard Belt Materials" (page 9)
- See "Special Application Belt Materials" (page 9)
- See "Friction Factors" (page 13)

Belt Data

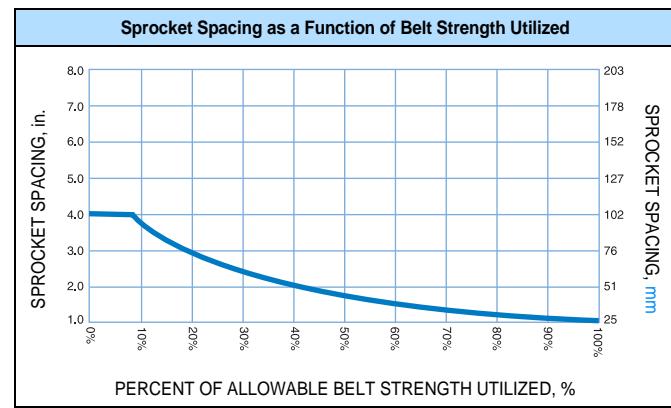
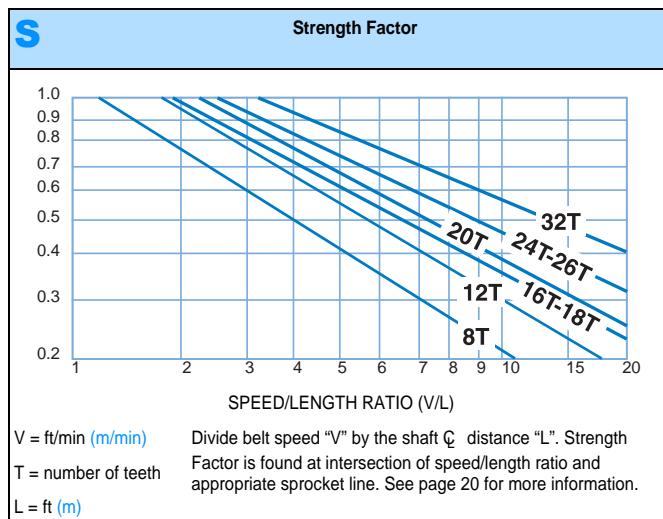
Belt Material	Standard Rod Material Ø 0.18 in (4.6 mm)	BS		Temperature Range (continuous)	W		Belt Weight
		lb	kg		°F	°C	
Acetal (38 mm)	Nylon	130	59	-50 to 200	-46 to 93	0.185	0.275
Acetal (46 mm)	Nylon	150	68	-50 to 200	-46 to 93	0.216	0.321

a. When using steel sprockets, the belt strength for polyethylene is 240 lb/ft (360 kg/m).

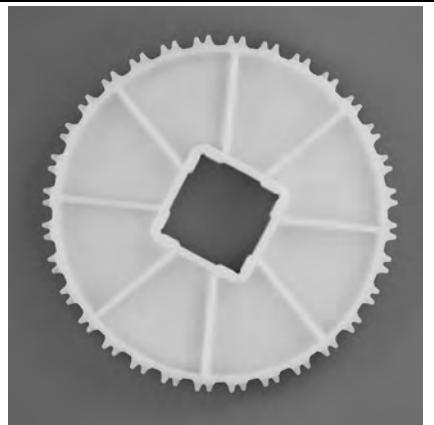
Sprocket and Support Quantity Reference^a

Belt Width Range ^b		Minimum Number of Sprockets Per Shaft ^c	Wearstrips	
in.	mm		Carryway	Returnway ^d
3	76	1	2	2
4	102	1	2	2
6	152	2	2	2
7	178	2	3	2
8	203	2	3	2
10	254	3	3	2
12	305	3	3	2
14	356	5	4	3
15	381	5	4	3
16	406	5	4	3
18	457	5	4	3
20	508	5	5	3
24	610	7	5	3
30	762	9	6	4
32	813	9	7	4
36	914	9	7	4
42	1067	11	8	5
48	1219	13	9	5
54	1372	15	10	6
60	1524	15	11	6
72	1829	19	13	7
84	2134	21	15	8
96	2438	25	17	9
120	3048	31	21	11
144	3658	37	25	13
For Other Widths, Use Odd Number of Sprockets ^e at Maximum 4 in. (102 mm) ζ Spacing		Maximum 6 in. (152 mm) ζ Spacing	Maximum 12 in. (305 mm) ζ Spacing	

- a. Because of the single plate steel design, Intralox recommends using twice as many 8 and 12 tooth sprockets as indicated.
- b. If your belt width exceeds a number listed in the table, please refer to the sprocket and support material minimums for the next larger width range listed. Belts are available in 1.00 in. (25.4 mm) increments beginning with minimum width of 3 in. (76 mm). **If the actual width is critical, consult Customer Service.**
- c. These are the minimum number of sprockets. Additional sprockets may be required for heavily loaded applications.
- d. Caution when using Friction Top. **Contact Intralox Customer Service for friction top applications.**
- e. The center sprocket should be locked down. With only two sprockets, fix the sprocket on the drive journal side only. See Retainer Rings/Center Sprocket Offset chart on page 410 for lock down location.



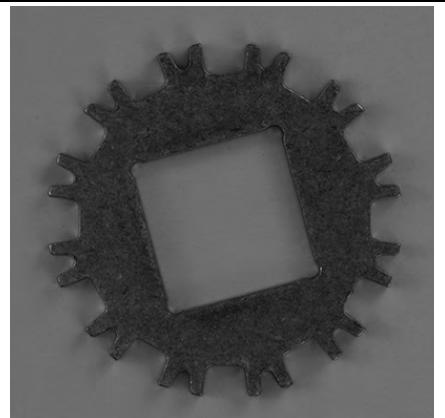
No. of Teeth (Chordal Action)	Nom. Pitch Dia. in	Nom. Pitch Dia. mm	Nom. Outer Dia. in	Nom. Outer Dia. mm	Nom. Hub Width in	Nom. Hub Width mm	Available Bore Sizes			Metric Sizes	
							U.S. Sizes				
							Round in ^b	Square in	Round mm ^b	Square mm	
12 (3.41%)	2.3	58	2.3	58	0.75	19	1.0	1.0	25	25	
16 (1.92%)	3.1	79	3.1	79	1.0	25	1 to 1-1/4	1.5	25 to 30	40	
18 (1.52%)	3.5	89	3.5	89	0.75	19		1.0		25	
								1.5		40	
20 (1.23%)	3.8	97	3.8	97	1.0	25		1.5		40	
24 (0.86%)	4.6	117	4.7	119	1.0	25	1 to 1-1/4	1.5	25 to 30	40	
								2.5		60	
26 (0.73%)	5.1	130	5.1	130	1.0	25	1 to 1-1/4	1.5	25 to 30	40	
32 (0.48%)	6.1	155	6.2	157	1.0	25	1 to 1-1/4	1.5	25 to 30	40	
								2.5		60	



a. Contact Customer Service for lead times.

b. Round bore molded and split sprockets are frequently furnished with two keyways. Use of two keys is NOT REQUIRED nor recommended. Round bore sprockets do not have set screws for locking the sprockets in place. As with square bore sprockets, only the center-most sprocket needs to be locked down. Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.

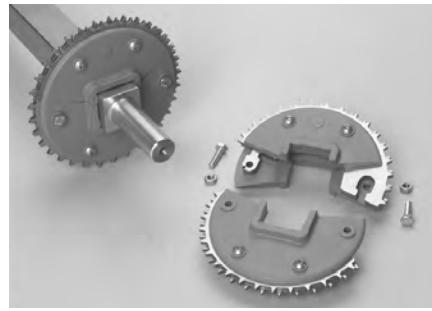
No. of Teeth (Chordal Action)	Nom. Pitch Dia. in	Nom. Pitch Dia. mm	Nom. Outer Dia. in	Nom. Outer Dia. mm	Nom. Hub Width in	Nom. Hub Width mm	Available Bore Sizes			Metric Sizes	
							U.S. Sizes				
							Round in ^b	Square in	Round mm ^b	Square mm	
8 (7.61%)	1.6	41	1.6	41	0.164	4.2	3/4	5/8	20		
12 (3.41%)	2.3	58	2.3	58	0.164	4.2	1.0	1.0	25	25	



a. Contact Customer Service for lead times.

b. The stainless steel sprockets have a male key in the round bore sizes. Since the key is part of the sprocket, only the center sprockets should be locked down to track the belt. The male key requires that the shaft keyway run the entire length of the shaft. Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885

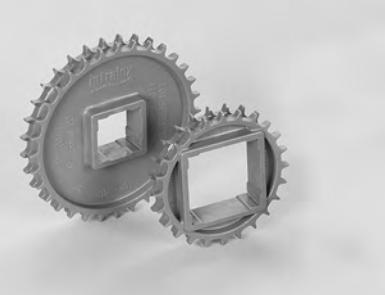
Split Metal Sprocket^a

No. of Teeth (Chordal Action)	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 ^b	Square in	Round mm ^b	Square mm		
18 (1.54%)	3.5	89	3.5	89	1.7	43		1.5		40		
24 (0.86%)	4.6	117	4.7	119	1.7	43	1 1-3/16 1-1/4	1.5	30	40		
26 (0.73%)	5.1	130	5.1	130	1.7	43	1 1-3/16 1-1/4	1.5 2.5		40 60		
32 (0.48%)	6.1	155	6.2	157	1.7	43	1 1-3/16 1-1/4 1-1/2	1.5 2.5		40 60		

a. Contact Customer Service for lead times.

b. Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885

EZ Track™ Molded Sprocket^a

No. of Teeth (Chordal Action)	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		
16 (1.92%)	3.1	79	3.1	79	1.0	25		1.5		40		
18 (1.52%)	3.5	89	3.5	89	1.0	25		1.5		40		
24 (0.86%)	4.6	117	4.7	119	1.0	25		1.5 2.5		40 60		
32 (0.48%)	6.1	155	6.2	157	1.0	25		1.5 2.5		40 60		

a. Contact Customer Service for lead times.

EZ Track™ Glass Filled Nylon Split Sprocket^a

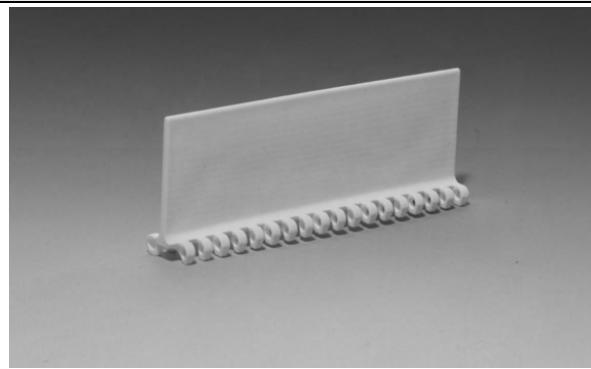
No. of Teeth (Chordal Action)	Nom. Pitch Dia. in	Nom. Pitch Dia. mm	Nom. Outer Dia. in	Nom. Outer Dia. mm	Nom. Hub Width in	Nom. Hub Width mm	Available Bore Sizes					
							U.S. Sizes		Metric Sizes			
							Round in	Square in	Round mm	Square mm		
24 (0.86%)	4.6	117	4.7	119	1.5	38		1.5		40		
32 (0.48%)	6.1	155	6.2	157	1.5	38		1.5 2.5		40 60		

a. Contact Customer Service for lead times.

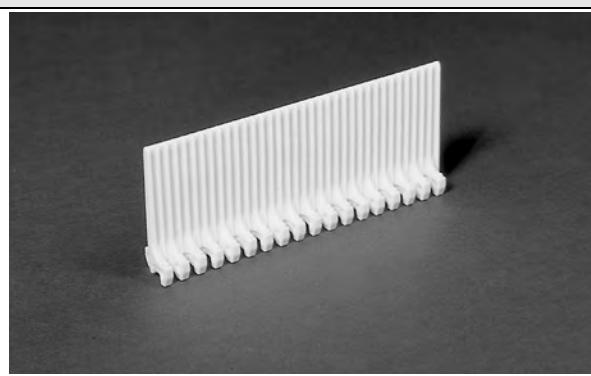
No. of Teeth (Chordal Action)	Nom. Pitch Dia. in	Nom. Pitch Dia. mm	Nom. Outer Dia. in	Nom. Outer Dia. mm	Nom. Hub Width in	Nom. Hub Width mm	Available Bore Sizes			
							U.S. Sizes		Metric Sizes	
							Round in	Square in	Round mm	Square mm
12 (3.41%)	2.3	58	2.3	58	1.0	25	1.0	1.0	25	25
16 (1.92%)	3.1	79	3.1	79	1.0	25	1.0		25	
							1-1/16, 1-1/8, 1-1/4		30	
18 (1.52%)	3.5	89	3.5	89	1.0	25	1.0	1.0		25
20 (1.23%)	3.8	97	3.8	97	1.0	25		1.5		40
24 (0.86%)	4.6	117	4.7	119	1.0	25	1.0		25	
							1-1/16, 1-1/8, 1-3/16, 1-1/4		30	
							1.0	1.5	25	40
26 (0.73%)	5.1	130	5.1	130	1.0	25	1.0		25	
							1-1/16, 1-1/8, 1-1/4		30	
							1.0	1.5	30	
32 (0.48%)	6.1	155	6.2	157	1.0	25	1.0		25	
							1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-1/2		30	
							1.0	1.5	40	

a. Contact Customer Service for lead times.

Flat Top Base Flights (Streamline)																					
Available Flight Height		Available Materials																			
in	mm																				
2	51	Polypropylene, Polyethylene, Acetal																			
Note: Flights can be cut down to custom heights with a minimum height of 0.25 in (13 mm).																					
Note: No fasteners required.																					
Note: Flat Top flight is smooth (Streamline) on both sides.																					
Note: The Flat Top base streamline flights are used in both Flat Top and Flush Grid belts.																					
Note: The minimum recommended indent for Flat Top is 2 in (51 mm). The minimum recommended indent for Flush Grid is 1.5 in (38 mm).																					



Flush Grid Nub Top Base Flights (No-Cling)																					
Available Flight Height		Available Materials																			
in	mm																				
2	51	Polypropylene, Polyethylene, Acetal																			
3	76	Polypropylene, Acetal																			
Note: Flights can be cut down to custom heights with a minimum height of 0.25 in (13 mm).																					
Note: Each flight rises out of the center of the module, molded as an integral part. No fasteners required.																					
Note: The No-Cling vertical ribs are on both sides of the flight.																					
Note: The minimum recommended indent is 1 in (25 mm).																					



Sideguards

Available Sizes		Available Materials	
in	mm		
2	51	Polypropylene, Polyethylene, Acetal	

Note: No fasteners required.

Note: The minimum indent is 1.3 in (33 mm). The standard gap between the sideguards and the edge of a flight is 0.2 in (5 mm).

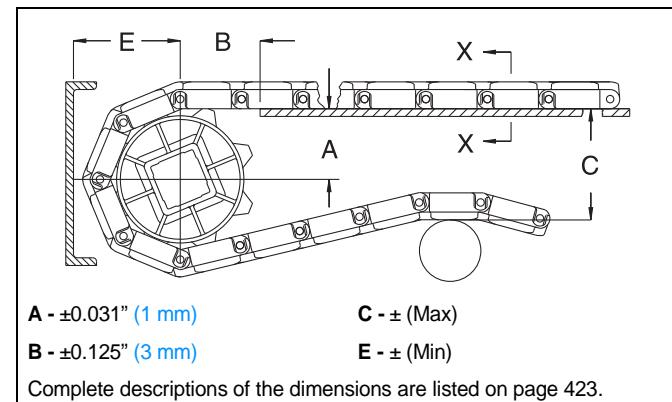
Note: When going around the 8, 12, 16 and 18 tooth sprockets, the sideguards will fan out, opening a gap at the top of the sideguard which might allow small products to fall out. The sideguards stay completely closed when wrapping around the 24 tooth and larger sprockets.

Note: Standard sideguard orientation is angled inward toward the product (product friendly). If needed, sideguards can be angled outward toward the conveyor.

Conveyor Frame Dimensions

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions "A", "B", "C" and "E" listed below should be implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the "A" dimension at the bottom of the range.



Sprocket Description		A		B		C		E	
Pitch Diameter	No. Teeth	Range (Bottom to Top)		in.	mm	in.	mm	in.	mm
		in.	mm						
SERIES 1100 FLUSH GRID, FLAT TOP, PERFORATED FLAT TOP^a, EMBEDDED DIAMOND TOP									
1.6	41	8	0.53-0.59	13-15	1.02	26	1.70	43	1.00
2.3	58	12	0.93-0.97	24-25	1.31	33	2.40	61	1.37
3.1	79	16	1.31	33	1.51	38	3.20	81	1.75
3.5	89	18	1.51	38	1.66	42	3.60	91	1.94
3.8	97	20	1.70	43	1.77	45	3.79	96	2.13
4.6	117	24	2.08	53	1.92	49	4.75	121	2.60
5.1	130	26	2.28	58	1.96	50	5.14	131	2.73
6.1	155	32	2.85	72	2.20	56	6.20	155	3.30
SERIES 1100 FLUSH GRID FRICTION TOP^a, FLUSH GRID FRICTION TOP, NO INDENT^a									
1.6	41	8	0.53-0.59	13-15	1.04	27	1.61	41	1.08
2.3	58	12	0.93-0.97	24-25	1.30	33	2.36	60	1.46
3.1	79	16	1.31	33	1.55	39	3.12	79	1.84
3.5	89	18	1.51	38	1.66	42	3.50	89	2.03
3.8	97	20	1.70	43	1.77	45	3.88	98	2.22
4.6	117	24	2.08	53	1.97	50	4.64	118	2.60
5.1	130	26	2.28	58	2.06	52	5.02	127	2.79
6.1	155	32	2.85	72	2.25	57	6.16	157	3.36

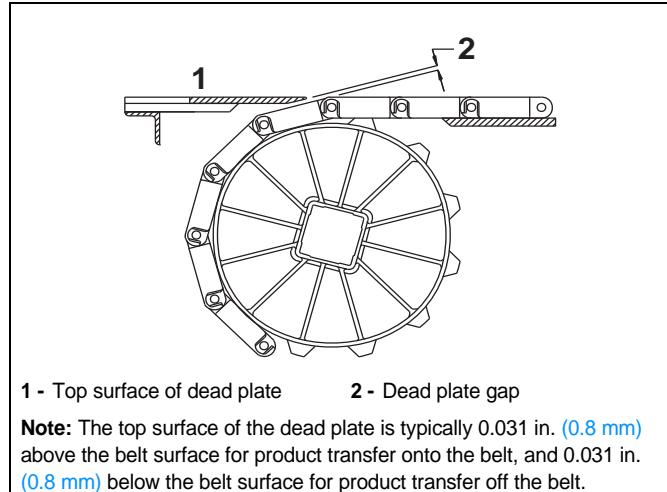
Sprocket Description			A		B		C		E	
Pitch Diameter		No. Teeth	Range (Bottom to Top)		in.	mm	in.	mm	in.	mm
in.	mm		in.	mm						
SERIES 1100 FLUSH GRID NUB TOP^a										
1.6	41	8	0.53-0.59	13-15	1.04	27	1.57	40	1.05	27
2.3	58	12	0.93-0.97	24-25	1.30	33	2.32	59	1.42	36
3.1	79	16	1.31	33	1.55	39	3.08	78	1.80	46
3.5	89	18	1.51	38	1.66	42	3.46	88	1.99	51
3.8	97	20	1.70	43	1.70	43	3.84	98	2.18	55
4.6	117	24	2.08	53	1.97	50	4.60	117	2.56	65
5.1	130	26	2.28	58	2.06	52	4.98	127	2.75	70
6.1	155	32	2.85	72	2.25	57	6.13	156	3.32	84
SERIES 1100 CONE TOP^a										
1.6	41	8	0.54-0.60	14-15	1.04	26	1.66	42	1.13	29
2.3	58	12	0.93-0.97	24-25	1.30	33	2.41	61	1.50	38
3.1	79	16	1.32	34	1.55	39	3.17	81	1.88	48
3.5	89	18	1.51	38	1.66	42	3.55	90	2.07	53
3.8	97	20	1.71	43	1.70	43	3.93	100	2.26	57
4.6	117	24	2.09	53	1.96	50	4.69	119	2.64	67
5.1	130	26	2.28	58	2.05	52	5.07	129	2.83	72
6.1	155	32	2.86	73	2.24	57	6.22	158	3.41	87

a. Refer to "Anti-sag carryway wearstrip configuration" (page 428) for alternative layouts for the "B" dimension.

Dead Plate Gap

Where there is a transfer point from a belt without finger transfer plates to a dead plate, there should be a gap between the surfaces to allow for the chordal action of the belt. As the belt engages its sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The table below shows the minimum amount of gap which occurs at the "low point" of the modules if the tip of the dead plate just comes in contact with the "high point" as the modules pass.

In some installations it may be desirable to keep the tip of the dead plate in contact with the belt, rather than allow a gap to occur. This can be done by hinging the mounting bracket for the dead plate. This allows the dead plate to move as the modules pass, but results in a small oscillating motion which may present tippage problems for sensitive containers or products.



Sprocket Description		Gap		
Pitch Diameter		No. Teeth	in.	mm
in.	mm			
1.6	41	8	0.058	1.5
2.3	58	12	0.040	1.0
3.1	79	16	0.029	0.7
3.5	89	18	0.026	0.7
3.8	97	20	0.024	0.6
4.6	117	24	0.020	0.5
5.1	130	26	0.018	0.4
6.1	155	32	0.015	0.4

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SECTION 2

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