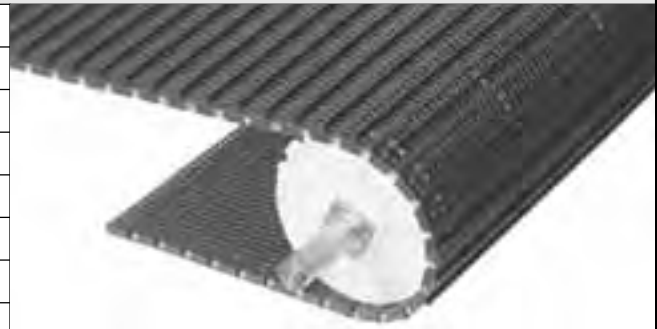


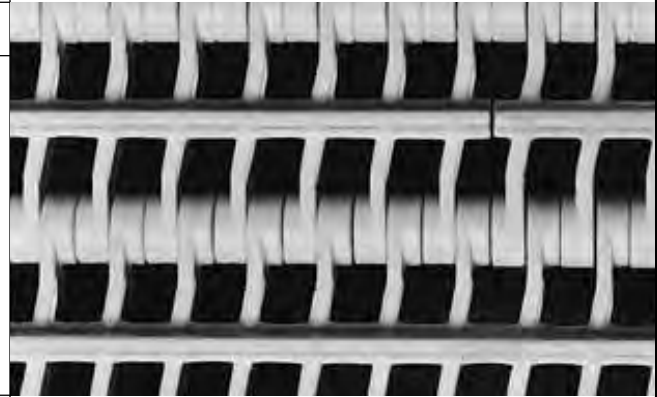
Open Grid

	in.	mm
Pitch	1.07	27.2
Minimum Width	2	51
Width Increments	0.33	8.4
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38%	
Hinge Style	Open	
Drive Method	Center-driven	



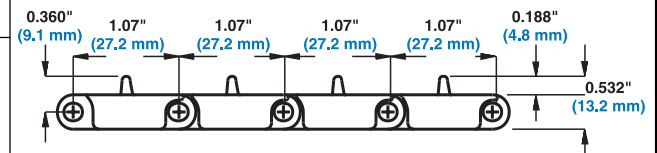
Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Low-profile transverse ridges 0.188 in. (4.8 mm) high assist in moving product up inclines and down declines.
- Large, open area allows for excellent drainage.
- Normal indent of the ridge is 0.25 in. (6.4 mm).
- Not recommended for back-up conditions. If friction values between product and belt are required, contact Intralox Sales Engineering.



Additional Information

- See “Belt selection process” (page 5)
- See “Standard belt materials” (page 18)
- See “Special application belt materials” (page 18)
- See “Friction factors” (page 31)



Belt Data

Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS Belt Strength	Temperature Range (continuous)		W Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey								
			lb/ft	kg/m		°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA-FSIS - Meat & Poultry	USDA Dairy ^a	CFA ^b	A ^c
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.81	3.95	•	•		•		3	•
Polyethylene	Polyethylene	350	520	-50 to 150	-46 to 66	0.84	4.09	•	•		•		3	•
Acetal	Polypropylene	1480	2200	34 to 200	1 to 93	1.26	6.14	•	•		•		3	•
Acetal ^f	Polyethylene	1000	1490	-50 to 70	-46 to 21	1.26	6.14	•	•		•		3	•

a. USDA Dairy acceptance requires the use of a clean-in-place-system.
 b. Canada Food Inspection Agency
 c. Australian Quarantine Inspection Service
 d. Japan Ministry of Health, Labour, and Welfare
 e. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.
 f. Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.

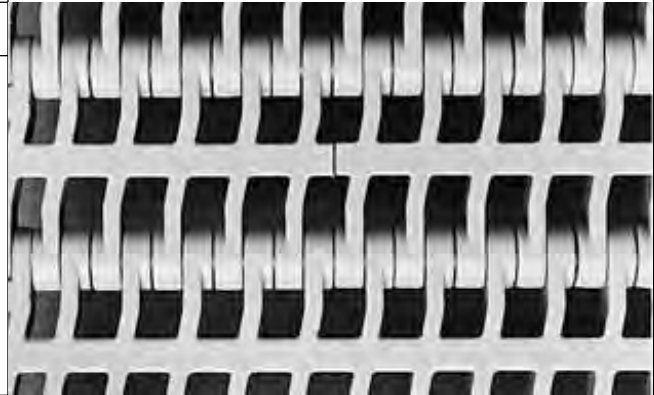
Flush Grid

	in.	mm
Pitch	1.07	27.2
Minimum Width	2	51
Width Increments	0.33	8.4
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38%	
Hinge Style	Open	
Drive Method	Center-driven	



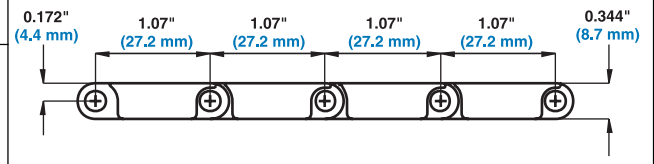
Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Open pattern with smooth upper surface, fully flush edges.
- Offers excellent lateral movement of containers.
- Flights and sideguards are available.
- HR Nylon belts use short rodlets to hold the main hinge rod in place. The rodlets are made from the same material as the main rod.



Additional Information

- See "Belt selection process" (page 5)
- See "Standard belt materials" (page 18)
- See "Special application belt materials" (page 18)
- See "Friction factors" (page 31)



Belt Data

Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS	Belt Strength	Temperature Range (continuous)		W	Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey						
				lb/ft	kg/m			°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA-FSIS - Meat & Poultry	USDA Dairy ^a
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.76	3.70	•	•		•	3	•	•
Polyethylene	Polyethylene	350	520	-50 to 150	-46 to 66	0.81	3.96	•	•		•	3	•	•
Acetal	Polypropylene	1480	2200	34 to 200	1 to 93	1.15	5.62	•	•		•	3		•
EC Acetal	Polypropylene	800	1190	34 to 200	1 to 93	1.15	5.62							
FR-TPES	Polypropylene	750	1120	40 to 150	4 to 66	1.19	5.81							
FDA HR Nylon ^f	FDA Nylon	1200	1790	-50 to 240	-46 to 116	1.10	5.40	•						
Non FDA HR Nylon	Non FDA Nylon	1200	1790	-50 to 310	-46 to 154	1.10	5.40							
Acetal ^g	Polyethylene	1000	1490	-50 to 70	-46 to 21	1.15	5.62	•	•		•	3		•

a. USDA Dairy acceptance requires the use of a clean-in-place-system.
 b. Canada Food Inspection Agency
 c. Japan Ministry of Health, Labour, and Welfare
 d. MAF-New Zealand Ministry of Agriculture and Forestry. MAF acceptance requires the use of a clean-in-place system.
 e. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.
 f. This product may not be used for food contact articles that will come in contact with food containing alcohol.
 g. Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.

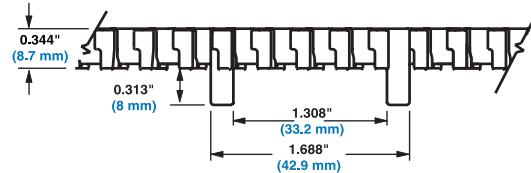
Mold to Width Flush Grid

	in.	mm
Pitch	1.07	27.2
Molded Widths	3.25	83
	4.5	114
	7.5	191
	-	85
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38%	
Hinge Style	Open	
Drive Method	Center-driven	



Product Notes

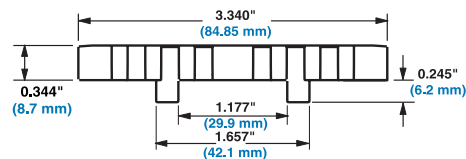
- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Tracking tabs provide lateral tracking.
- Series 900 Mold To Width belts are boxed in 10 ft. (3.05 m) increments.
- Width tolerances for the Series 900 Mold To Width belts are +0.000/-0.020 in. (+0.000/-0.500 mm).
- One sprocket can be placed on the 3.25 in. (83 mm) and 85 mm mold to width belt. Up to three sprockets can be placed on the 4.5 in. (114 mm) mold to width belt. Up to five sprockets can be placed on the 7.5 in. (191 mm) mold to width belt.
- The Series 900 Mold To Width belt should not be used with sprockets smaller than a 3.5 in. (89 mm) pitch diameter (10 tooth) sprocket. If a 3.5 in (89 mm) pitch diameter is required, the split sprocket should not be used.



Series 900 Flush Grid Mold to Width



Arrow indicates preferred running direction



Series 900 Flush Grid 85 mm Mold to Width

Additional Information

- See "Belt selection process" (page 5)
- See "Standard belt materials" (page 18)
- See "Special application belt materials" (page 18)
- See "Friction factors" (page 31)

Belt Data

Belt Width		Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS		Temperature Range (continuous)		W		Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey		
inch	(mm)			lb	kg	°F	°C	lb/ft	kg/m	FDA (USA)	J ^a	EU MC ^b
3.25	83	Polypropylene	Nylon	130	59	34 to 220	1 to 104	0.31	0.46	•	3	•
3.25	83	Acetal	Nylon	250	113	-50 to 200	-46 to 93	0.42	0.62	•	3	•
4.5	114	Polypropylene	Nylon	263	120	34 to 220	1 to 104	0.39	0.58	•	3	•
4.5	114	Acetal	Nylon	555	252	-50 to 200	-46 to 93	0.54	0.80	•	3	•
7.5	191	Polypropylene	Nylon	438	199	34 to 220	1 to 104	0.59	0.88	•	3	•
7.5	191	Acetal	Nylon	800	363	-50 to 200	-46 to 93	0.85	1.26	•	3	•
	85	Acetal	Nylon	275	125	-50 to 200	-46 to 93	0.38	0.57	•	3	•

a. Japan Ministry of Health, Labour, and Welfare

b. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.

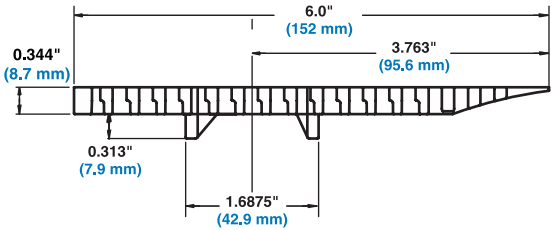
ONEPIECE™ Live Transfer Flush Grid

	in.	mm
Pitch	1.07	27.2
Minimum Width	4.7	119
Width Increments	0.33	8.4
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38%	
Hinge Style	Open	
Drive Method	Center-driven	

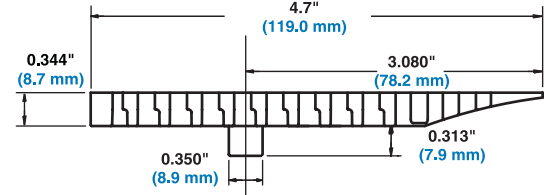


Product Notes

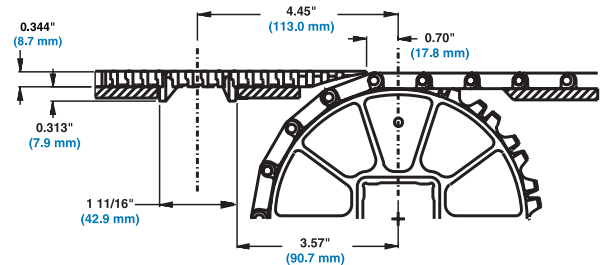
- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Transfer edge is an integral part of this belt.
- For custom belt widths please contact Customer Service.
- Molded tracking tabs fit into standard 1-3/4 in. (44.5 mm) wearstrip tracks insuring proper belt alignment.
- Built with nylon rods for superior wear resistance.
- Also available in a 4.7 in. (119 mm) wide single tracking tab belt and 6 in. (152 mm) wide double tracking tab belt.
- For belt strength calculations, subtract 1.5 in. (38 mm) from actual belt width.
- When product is moving from the transfer belt to a takeaway belt, the top of the transfer belt should be 0.06 in. (1.5 mm) above the top of the takeaway belt. When product is moving from the infeed belt onto the transfer edge, the top of the belts should be level.
- You may need to include a fixed frame support member beneath the **ONEPIECE™ Live Transfer** belt prior to the actual transfer. This will insure that the **ONEPIECE™ Live Transfer** belt does not snag when it intersects with the takeaway belt. See See "Fig. 3-31 PARABOLIC GUIDE RAIL CONTOURS WITH 6.0 in. (152 mm) ONEPIECE™ LIVE TRANSFER BELT" (page 336).
- The **Series 900 ONEPIECE™ Live Transfer** belt should not be used with sprockets smaller than a 3.5 in. (89 mm) pitch diameter (10 tooth) sprocket. If a 3.5 in. (89 mm) pitch diameter is required, the split sprocket should not be used.



6.0 in. (152 mm) Double Tracking Tab belt



4.7 in. (119 mm) Single Tracking Tab belt



Additional Information

- See "Belt selection process" (page 5)
- See "Standard belt materials" (page 18)
- See "Special application belt materials" (page 18)
- See "Friction factors" (page 31)

Belt Data

Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS		Belt Strength	Temperature Range (continuous)		W		Agency Acceptability:		
		lb/ft	kg/m		°F	°C	lb/ft²	kg/m²	FDA (USA)	J ^a	EU MC ^b
Polypropylene	Nylon	700	1040	34 to 220	1 to 104	0.93	4.54	•	3	•	
Acetal	Nylon	1480	2200	-50 to 200	-46 to 93	1.15	5.62	•	3	•	
FR-TPES	Nylon	1000	1490	40 to 150	4 to 66	1.63	7.95				

a. Japan Ministry of Health, Labour, and Welfare
 b. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.

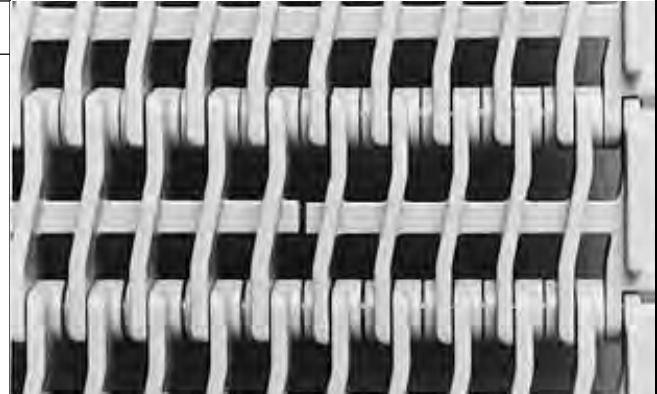
Raised Rib

	in.	mm
Pitch	1.07	27.2
Minimum Width	2	51
Width Increments	0.33	8.4
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38%	
Product Contact Area	35%	
Hinge Style	Open	
Drive Method	Center-driven	



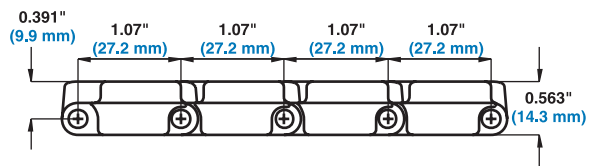
Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Raised Ribs extend 3/16 in. (4.7 mm) above basic module, with fully flush edges.
- Can be used with Finger Transfer Plates eliminating product tippage and hang-ups.
- HR Nylon is used in dry, elevated temperature applications.
- HR Nylon belts use short rodlets to hold the main hinge rod in place. The rodlets are made from the same material as the main rod.



Additional Information

- See “Belt selection process” (page 5)
- See “Standard belt materials” (page 18)
- See “Special application belt materials” (page 18)
- See “Friction factors” (page 31)



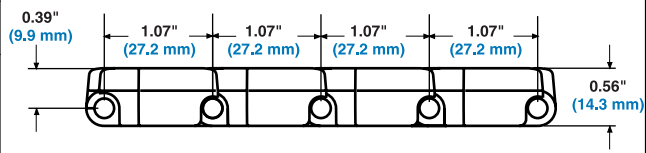


Belt Data

Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS	Belt Strength	Temperature Range (continuous)		W	Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey						
				lb/ft	kg/m			°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA-FSIS - Meat & Poultry	USDA Dairy ^a
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	1.07	5.21	•	•		•		3	•
Polyethylene	Polyethylene	350	520	-50 to 150	-46 to 66	1.14	5.57	•	•		•		3	•
Acetal	Polypropylene	1480	2200	34 to 200	1 to 93	1.68	8.19	•	•		•		3	•
EC Acetal	Polypropylene	800	1190	34 to 200	1 to 93	1.68	8.19							
FDA HR Nylon ^f	Nylon	1200	1790	-50 to 240	-46 to 116	1.60	7.80	•						
Non FDA HR Nylon	Nylon	1200	1790	-50 to 310	-46 to 154	1.60	7.80							
Acetal ^g	Polyethylene	1000	1490	-50 to 70	-46 to 21	1.68	8.19	•	•		•		3	•

a. USDA Dairy acceptance requires the use of a clean-in-place-system.
 b. Canada Food Inspection Agency
 c. Australian Quarantine Inspection Service
 d. Japan Ministry of Health, Labour, and Welfare
 e. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.
 f. This product may not be used for food contact articles that will come in contact with food containing alcohol.
 g. Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.

Mold to Width Raised Rib		
	in.	mm
Pitch	1.07	27.2
Molded Widths (Blue Acetal)	1.1	29
	1.5	37
	1.8	46
	2.2	56
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38% - 40%	
Hinge Style	Closed	
Drive Method	Center-driven	
Product Notes		
<ul style="list-style-type: none"> • Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt. • Series 900 Mold To Width belts are boxed in 10 ft. (3.05 m) increments. • Container stability is increased since the raised ribs span the entire belt width. • These belts support both small and larger products, allowing easy change of product type. • The 1.8 in. (46 mm) belt is also molded in grey polypropylene for applications where higher friction is needed. • All belts come with nylon rodlets standard, providing longer service life. 		
Additional Information		
<ul style="list-style-type: none"> • See “Belt selection process” (page 5) • See “Standard belt materials” (page 18) • See “Special application belt materials” (page 18) • See “Friction factors” (page 31) 		

Belt Data												
Belt Width		Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS Belt Strength		Temperature Range (continuous)		W Belt Weight		Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey		
				lb	kg	°F	°C	lb/ft	kg/m	FDA (USA)	J ^a	EU MC ^b
inch	(mm)											
1.1	29	Acetal	Nylon	140	64	-50 to 200	-46 to 93	0.19	0.29	•	3	•
1.5	37	Acetal	Nylon	200	91	-50 to 200	-46 to 93	0.23	0.35	•	3	•
1.8	46	Acetal	Nylon	230	104	-50 to 200	-46 to 93	0.29	0.43	•	3	•
1.8	46	Polypropylene	Nylon	90	41	34 to 220	1 to 104	0.19	0.28	•	3	•
2.2	56	Acetal	Nylon	200 ^c	91 ^c	-50 to 200	-46 to 93	0.34	0.50	•	3	•

a. Japan Ministry of Health, Labour, and Welfare
 b. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.
 c. 270 lb (122 kg) for 2.2 in. (56 mm) with two (2) sprockets.

Flat Top

	in.	mm
Pitch	1.07	27.2
Minimum Width	2	51
Width Increments	0.33	8.4
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center-driven	



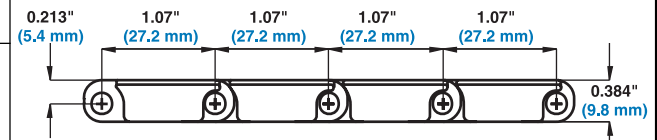
Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Smooth, closed surface with fully flush edges and recessed rods.
- Ideal for container handling, especially glass.
- HR Nylon is used in dry, elevated temperature applications.
- HR Nylon belts use short rodlets to hold the main hinge rod in place. The rodlets are made from the same material as the main rod.



Additional Information

- See "Belt selection process" (page 5)
- See "Standard belt materials" (page 18)
- See "Special application belt materials" (page 18)
- See "Friction factors" (page 31)



Belt Data

Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS Belt Strength		Temperature Range (continuous)		W Belt Weight		Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey							
		lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA Dairy ^a	CFA ^b	A ^c	J ^d	Z ^e	EU MC ^f	
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.96	4.69	•					3	•	•
Polyethylene	Polyethylene	350	520	-50 to 150	-46 to 66	1.01	4.95	•					3	•	•
Acetal	Polypropylene	1480	2200	34 to 200	1 to 93	1.50	7.30	•					3		•
EC Acetal	Polypropylene	800	1190	34 to 200	1 to 93	1.50	7.30								
FDA HR Nylon ^g	Nylon	1200	1790	-50 to 240	-46 to 116	1.40	6.80	•							
Non FDA HR Nylon	Nylon	1200	1790	-50 to 310	-46 to 154	1.40	6.80								
Acetal ^h	Polyethylene	1000	1490	-50 to 70	-46 to 21	1.50	7.30	•							•

a. USDA Dairy acceptance requires the use of a clean-in-place-system.
 b. Canada Food Inspection Agency
 c. Australian Quarantine Inspection Service
 d. Japan Ministry of Health, Labour, and Welfare
 e. MAF-New Zealand Ministry of Agriculture and Forestry. MAF acceptance requires the use of a clean-in-place system.
 f. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.
 g. This product may not be used for food contact articles that will come in contact with food containing alcohol.
 h. Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.

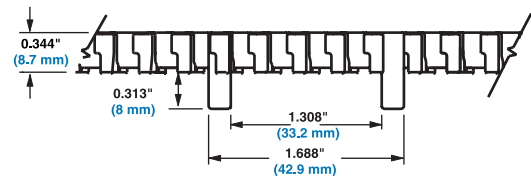
Mold to Width Flat Top

	in.	mm
Pitch	1.07	27.2
Molded Widths	3.25	83
	4.5	114
	7.5	191
	-	85
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	



Product Notes

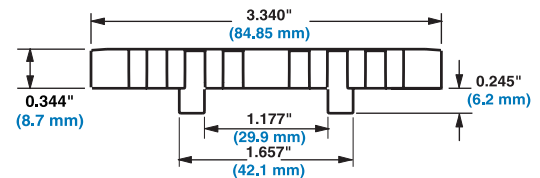
- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Fully flush edges
- Tracking tabs provide lateral tracking.
- Series 900 Mold To Width belts are boxed in 10 ft. (3.1 m) increments.
- One sprocket can be placed on the 3.25 in. (83 mm) and 85 mm mold to width belt. Up to three sprockets can be placed on the 4.5 in. (114 mm) mold to width belt. Up to five sprockets can be placed on the 7.5 in. (191 mm) mold to width belt.
- The Series 900 Mold To Width belt should not be used with sprockets smaller than a 3.5 in. (89 mm) pitch diameter (10 tooth) sprocket. If a 3.5 in. (89 mm) pitch diameter is required, the split sprocket should not be used.



Series 900 Flat Top Mold to Width



Arrow indicates preferred running direction



Series 900 Flat Top 85 mm Mold to Width

Additional Information

- See "Belt selection process" (page 5)
- See "Standard belt materials" (page 18)
- See "Special application belt materials" (page 18)
- See "Friction factors" (page 31)

Belt Data

Belt Width		Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS Belt Strength	Temperature Range (continuous)		W Belt Weight	Agency Acceptability:				
inch	(mm)				°F	°C		lb/ft	kg/m	FDA (USA)	J ^a	EU MC ^b
3.25	83	Polypropylene	Nylon	130	59	34 to 220	1 to 104	0.37	0.55	•	3	•
3.25	83	Acetal	Nylon	250	113	-50 to 200	-46 to 93	0.52	0.77	•	3	•
4.5	114	Polypropylene	Nylon	263	120	34 to 220	1 to 104	0.52	0.77	•	3	•
4.5	114	Acetal	Nylon	555	252	-50 to 200	-46 to 93	0.74	1.10	•	3	•
7.5	191	Polypropylene	Nylon	438	199	34 to 220	1 to 104	0.83	1.24	•	3	•
7.5	191	Acetal	Nylon	800	363	-50 to 200	-46 to 93	1.18	1.76	•	3	•
	85	Acetal	Nylon	500	227	-50 to 200	-46 to 93	0.50	0.74	•	3	•

a. Japan Ministry of Health, Labour, and Welfare

b. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.

ONEPIECE™ Live Transfer Flat Top

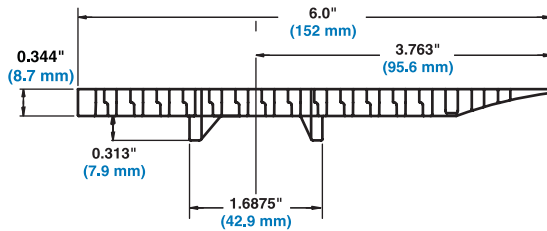
	in.	mm
Pitch	1.07	27.2
Minimum Width	4.7	119
Width Increments	0.33	8.4
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center-driven	

Product Notes

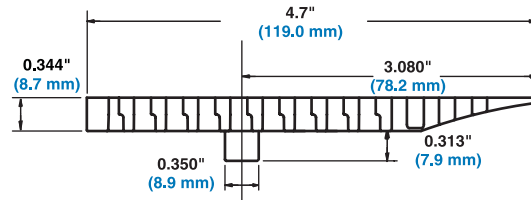
- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.**
- Transfer edge is an integral part of this belt.
- For custom belt widths please contact Customer Service.
- Molded tracking tabs fit into standard 1-3/4 in. (44.5 mm) wearstrip tracks insuring proper belt alignment.
- Built with nylon rods for superior wear resistance.
- Also available in a 4.7 in. (119 mm) wide single tracking tab belt and 6 in. (152 mm) wide double tracking tab belt.
- When product is moving from the transfer belt to a takeaway belt, the top of the transfer belt should be 0.06 in. (1.5 mm) above the top of the takeaway belt. When product is moving from the infeed belt onto the transfer edge, the top of the belts should be level.
- You may need to include a fixed frame support member beneath the **ONEPIECE™ Live Transfer** belt prior to the actual transfer. This will insure 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 336)
- The Series 900 **ONEPIECE™ Live Transfer** belt should not be used with sprockets smaller than a 3.5 in. (89 mm) pitch diameter (10 tooth) sprocket. If a 3.5 in. (89 mm) pitch diameter is required, the split sprocket should not be used.

Additional Information

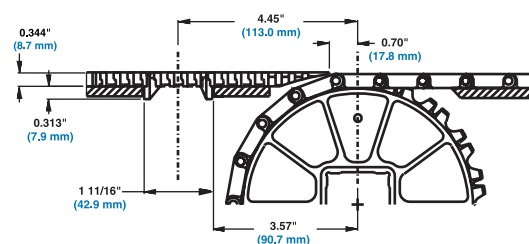
- See "Belt selection process" (page 5)
- See "Standard belt materials" (page 18)
- See "Special application belt materials" (page 18)
- See "Friction factors" (page 31)



6.0 in. (152 mm) Double Tracking Tab belt



4.7 in. (119 mm) Single Tracking Tab belt



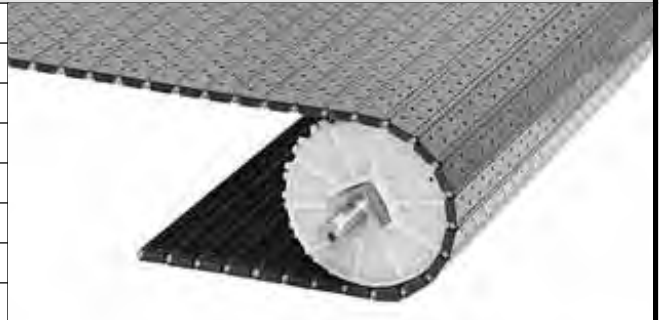
Belt Data

Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS	Belt Strength	Temperature Range (continuous)		W	Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey						
				lb/ft	kg/m			°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA Dairy ^a	CFA ^b
Polypropylene	Nylon	700	1040	34 to 220	1 to 104	0.93	4.54	•					3	•
Acetal	Nylon	1480	2200	-50 to 200	-46 to 93	1.50	7.30	•					3	•

a. USDA Dairy acceptance requires the use of a clean-in-place-system.
 b. Canada Food Inspection Agency
 c. Australian Quarantine Inspection Service
 d. Japan Ministry of Health, Labour, and Welfare
 e. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.

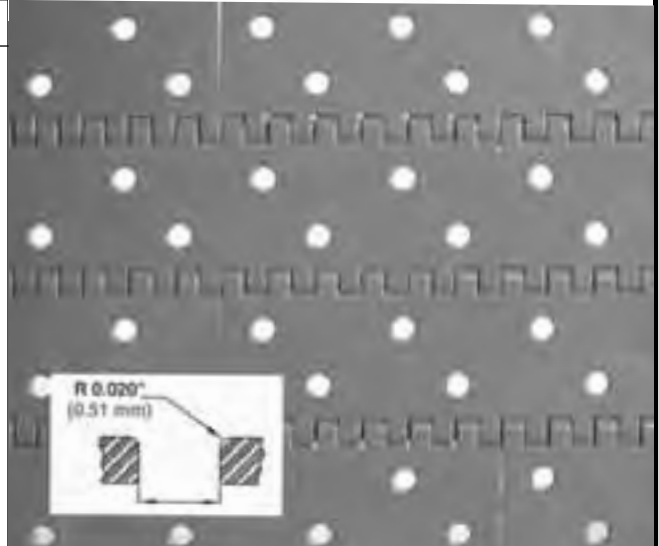
Perforated Flat Top

	in.	mm
Pitch	1.07	27.2
Minimum Width	2	51
Width Increments	0.33	8.4
Opening Size (approximate)	See Product Notes	
Open Area	See Product Notes	
Hinge Style	Closed	
Drive Method	Center-driven	

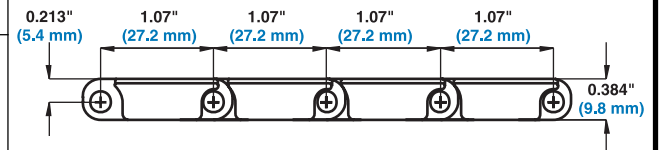


Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Available hole sizes:
 - Ø 1/8 in. (3.2 mm) - 5% Open Area
 - Ø 5/32 in. (4.0 mm) - 6% Open Area
 - Ø 3/16 in. (4.8 mm) - 8% Open Area
- All hole sizes include 3% open area at the hinge.
- Designed for vacuum transfer applications, with a scalloped underside to reduce carryway blockage.
- All holes have a radiused top edge allowing quiet operation and good vacuum performance.
- Other hole dimensions and patterns can be created by drilling **Series 900 Flat Top**.
- For elevated temperatures use stainless steel split sprockets.
- HR Nylon belts use short rodlets to hold the main hinge rod in place and are made from the same material as the main rod.



INSET: MOLDED HOLE DETAIL



Additional Information

- See "Belt selection process" (page 5)
- See "Standard belt materials" (page 18)
- See "Special application belt materials" (page 18)
- See "Friction factors" (page 31)

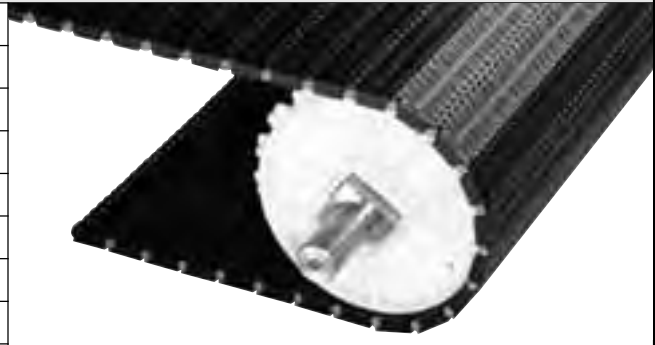
Belt Data

Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS Belt Strength		Temperature Range (continuous)		W Belt Weight 1/8 in		W Belt Weight 5/32 in		W Belt Weight 3/16 in		Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey		
		lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	lb/ft ²	kg/m ²	lb/ft ²	kg/m ²	FDA (USA)	EU MC ^a	J ^b
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	-	-	0.93	4.54	-	-	•	•	3
Polyethylene	Polyethylene	350	520	-50 to 150	-46 to 66	-	-	0.98	4.79	-	-	•	•	3
Acetal	Polypropylene	1480	2200	34 to 200	1 to 93	1.48	7.23	1.46	7.11	1.43	6.98	•	•	3
EC Acetal	Polypropylene	800	1190	34 to 200	1 to 93	-	-	1.46	7.11	-	-			
FR-TPES	Polypropylene	750	1120	40 to 150	4 to 66	-	-	1.59	7.76	-	-			
FDA HR Nylon ^c	Nylon	1200	1790	-50 to 240	-46 to 116	-	-	1.40	6.80	-	-	•		
Acetal ^d	Polyethylene	1000	1490	-50 to 70	-46 to 21	1.48	7.23	1.46	7.11	1.43	6.98	•	•	3

a. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.
 b. Japan Ministry of Health, Labour, and Welfare
 c. This product may not be used for food contact articles that will come in contact with food containing alcohol
 d. Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating. 1/8 in. (3.2 mm) and 3/16 in. (4.8 mm) hole sizes are available in Acetal only.

Mesh Top™

	in.	mm
Pitch	1.07	27.2
Minimum Width	2	51
Width Increments	0.33	8.4
Opening Size (approximate)	0.05 × 0.31	1.3 × 7.9
Open Area	24%	
Hinge Style	Open	
Drive Method	Center-driven	



Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Fully flush edges and recessed rods.
- Ideal for fruit and vegetable processing, especially for stemmed products and dewatering applications.



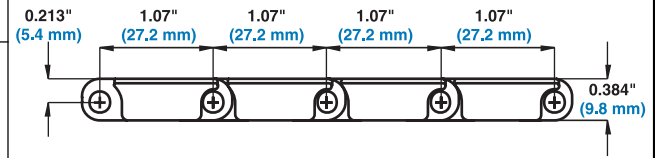
Top surface



Underside surface

Additional Information

- See "Belt selection process" (page 5)
- See "Standard belt materials" (page 18)
- See "Special application belt materials" (page 18)
- See "Friction factors" (page 31)


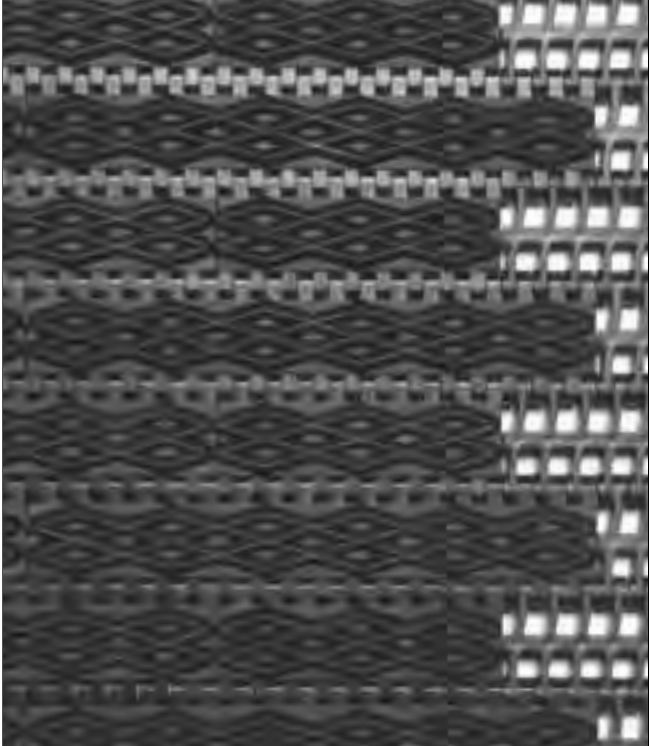


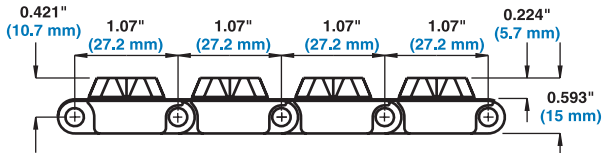
Belt Data

Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS Belt Strength		Temperature Range (continuous)		W Belt Weight		Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey						
		lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA Dairy ^a	CFA ^b	A ^c	Z ^d	J ^e	EU MC ^f
Acetal	Polypropylene	1480	2200	34 to 200	1 to 93	1.39	6.79	•					3	•
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.93	4.55	•					3	•
Polyethylene	Polyethylene	350	520	-50 to 150	-46 to 66	0.99	4.84	•					3	•

a. USDA Dairy acceptance requires the use of a clean-in-place-system.
 b. Canada Food Inspection Agency
 c. Australian Quarantine Inspection Service
 d. New Zealand Ministry of Agriculture and Forestry
 e. Japan Ministry of Health, Labour, and Welfare
 f. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.

Intralox® Diamond Friction Top		
	in.	mm
Pitch	1.07	27.2
Minimum Width (DFT)	2.3	58
Minimum Width (DFT Ultra)	3.0	76
Width Increments	0.33	8.4
Hinge Style	Open	
Drive Method	Center-driven	
Product Notes		
<ul style="list-style-type: none"> • Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt. • Available in Diamond Friction Top (DFT) and Diamond Friction Top Ultra (DFT Ultra) (higher rubber concentration). • White Friction Top materials comply with FDA regulations for use in food processing and packaging applications. • Two material rubber modules provide a high friction surface without interfering with carryways and sprockets. • Available in black rubber on grey polypropylene, white rubber on white polypropylene and white rubber on natural polyethylene. • Not recommended for back-up conditions. If friction values between product and belt are required, contact Intralox Sales Engineering. • Intralox Diamond Friction Top has approximately 17% to 45% rubber, depending upon width. Intralox Diamond Friction Top Ultra has 52% to 100% rubber. • Black rubber top modules have a hardness of 45 Shore A. White rubber top modules have a hardness of 56 Shore A. • If a center-drive setup is used, it may be necessary to place collars to laterally retain the belt at the backend roller before the drive. Abrasion Resistant rods are required. • 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. • Minimum indent is 1 in. (25 mm) 		
Additional Information		
<ul style="list-style-type: none"> • See "Belt selection process" (page 5) • See "Standard belt materials" (page 18) • See "Special application belt materials" (page 18) • See "Friction factors" (page 31) 		



Belt Data										
Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS	Belt Strength	Temperature Range (continuous)		W	Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey		
				°F	°C			lb/ft ²	kg/m ²	FDA (USA)
Polypropylene (DFT)	Polypropylene	1000	1490	34 to 150	1 to 66	1.10	5.40	1		
Polypropylene (DFT Ultra)	Polypropylene	1000	1490	34 to 150	1 to 66	1.40	6.80	1		
Polyethylene (DFT)	Polyethylene	350	520	-50 to 120	-46 to 49	1.20	5.90	1		
Polyethylene (DFT Ultra)	Polyethylene	350	520	-50 to 120	-46 to 49	1.50	7.30	1		

a. Japan Ministry of Health, Labour, and Welfare

b. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.

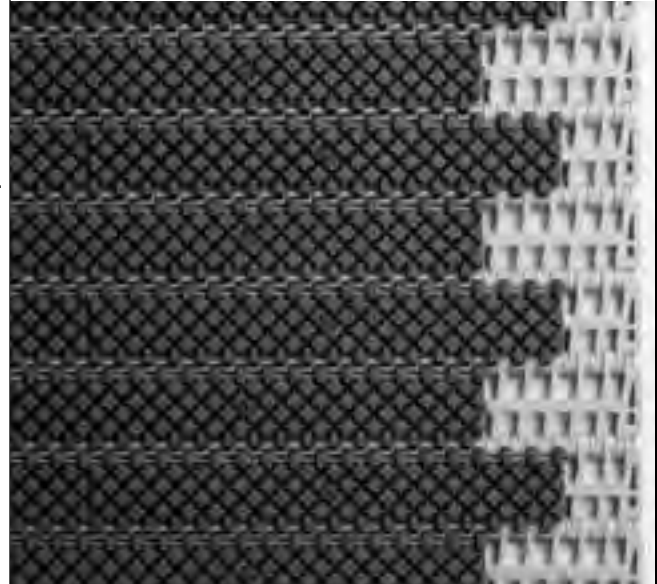
Square Friction Top

	in.	mm
Pitch	1.07	27.2
Minimum Width (SFT)	2.3	58
Minimum Width (SFT Ultra)	3.0	76
Width Increments	0.33	8.4
Hinge Style	Open	
Drive Method	Center-driven	



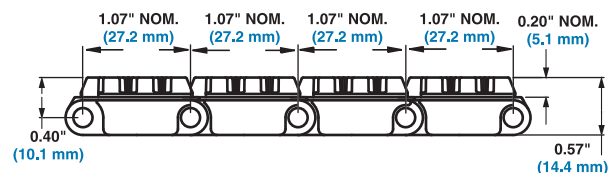
Product Notes

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.**
- Available in **Square Friction Top (SFT)** and **Square Friction Top Ultra (SFT Ultra)** (higher rubber concentration).
- Two material rubber modules provide a high friction surface without interfering with carryways and sprockets.
- Available in black rubber on grey polypropylene and white rubber on white polypropylene. Contact Customer Service for lead time for white rubber.
- Not recommended for back-up conditions. If friction values between product and belt are required, contact Intralox Sales Engineering.
- Black rubber top modules have a hardness of 45 Shore A. White rubber top modules have a hardness of 56 Shore A.
- If a center-drive set up 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 required.
- 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.
- Minimum indent is 1 in. (25 mm)).



Additional Information

- See "Belt selection process" (page 5)
- See "Standard belt materials" (page 18)
- See "Special application belt materials" (page 18)
- See "Friction factors" (page 31)



Belt Data

Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS Belt Strength		Temperature Range (continuous)		W Belt Weight		Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey		
		lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	FDA (USA)	J ^a	EU MC ^b
Polypropylene (SFT)	Polypropylene	1000	1490	34 to 150	1 to 66	1.20	5.86	1		
Polypropylene (SFT Ultra)	Polypropylene	1000	1490	34 to 150	1 to 66	1.50	7.32	1		

a. Japan Ministry of Health, Labour, and Welfare

b. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.

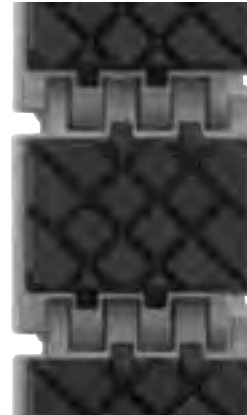
Mold to Width 29 mm Square Friction Top

	in.	mm
Pitch	1.07	27.2
Molded Width	1.1	29
Hinge Style	Closed	
Drive Method	Center-driven	



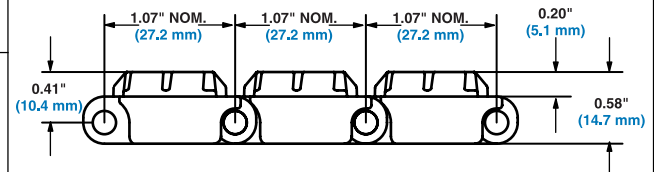
Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Available only in **Square Friction Top Ultra (SFT Ultra)** (higher rubber concentration).
- Two material rubber modules provide a high friction surface without interfering with carryways and sprockets.
- Available in black rubber on grey polypropylene and black rubber on grey or blue acetal.
- Not recommended for back-up conditions. If friction values between product and belt are required, contact Intralox Sales Engineering.
- Black Rubber/PP modules have a hardness of 45 Shore A. Black Rubber/AC modules have a hardness of 54 Shore A.



Additional Information

- See "Belt selection process" (page 5)
- See "Standard belt materials" (page 18)
- See "Special application belt materials" (page 18)
- See "Friction factors" (page 31)



Belt Data

Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS Belt Strength		Temperature Range (continuous)		W Belt Weight		Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey	
		lb	kg	°F	°C	lb/ft	kg/m	FDA (USA)	J ^a
Polypropylene (SFT Ultra)	Nylon	65	29	34 to 150	1 to 66	0.17	0.25		
Acetal	Nylon	140	64	-10 to 130	-23 to 54	0.21	0.31		

a. Japan Ministry of Health, Labour, and Welfare

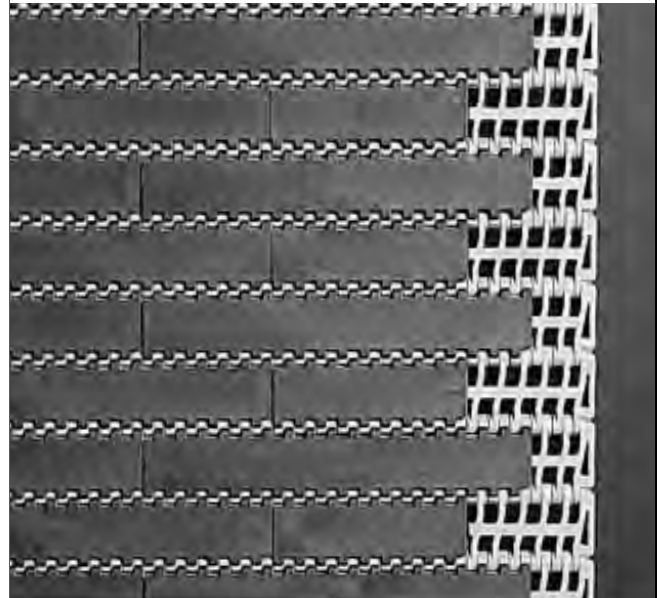
Intralox® Flat Friction Top

	in.	mm
Pitch	1.07	27.2
Minimum Width (FFT)	2.3	58
Minimum Width (FFT Ultra)	3.0	76
Width Increments	0.33	8.4
Hinge Style	Open	
Drive Method	Center-driven	



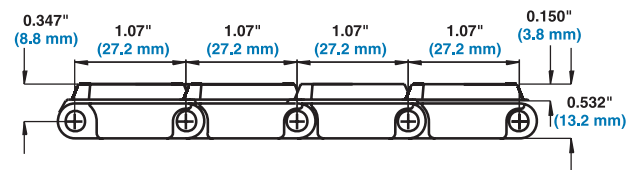
Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Available in **Flat Friction Top (FFT)** and **Flat Friction Top Ultra (FFT Ultra)** (higher rubber concentration).
- White Friction Top materials comply with FDA regulations for use in food processing and packaging applications.
- Two material rubber modules provide a high friction surface without interfering with carryways and sprockets.
- Available in black rubber on grey polypropylene, white rubber on white polypropylene.
- Not recommended for back-up conditions. If friction values between product and belt are required, contact Intralox Sales Engineering.
- **Intralox Flat Friction Top** has approximately 17% to 45% rubber, depending upon width. **Intralox Flat Friction Top Ultra** has 52% to 100% rubber.
- Black rubber top modules have a hardness of 45 Shore A. White rubber top modules have a hardness of 56 Shore A.
- If a center-drive set up is used, it may be necessary to place collar to laterally retain the belt at the backbend roller before the drive. Abrasion Resistant rods are required.
- 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.
- Minimum indent is 1 in. (25.4 mm)
- 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 18)
- See "Special application belt materials" (page 18)
- See "Friction factors" (page 31)



Belt Data

Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS	Belt Strength	Temperature Range (continuous)		W	Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey		
				lb/ft	kg/m			°F	°C	lb/ft ²
Polypropylene (FFT)	Polypropylene	1000	1490	34 to 150	1 to 66	1.10	5.40	1		
Polypropylene (FFT Ultra)	Polypropylene	1000	1490	34 to 150	1 to 66	1.40	6.80	1		

a. Japan Ministry of Health, Labour, and Welfare

b. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.

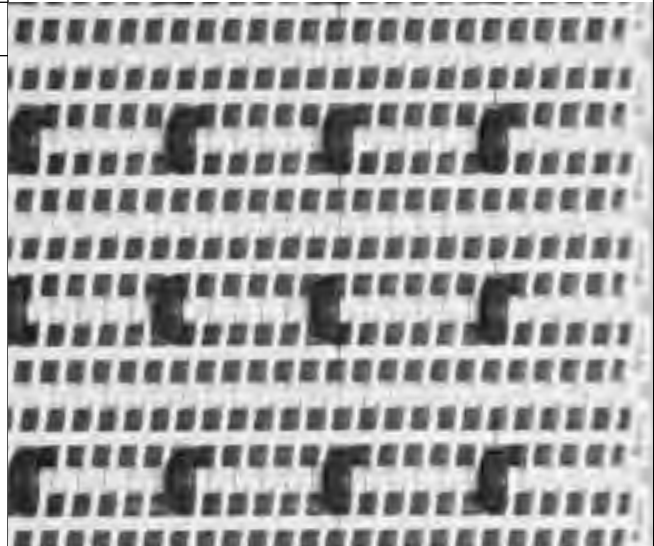
Flush Grid with Insert Rollers

	in.	mm
Pitch	1.07	27.2
Minimum Width	6	152
Width Increments	1.00	25.4
Opening Size (approx.)	0.24 × 0.28	6.1 × 7.1
Width Increments	38%	
Hinge Style	Open	
Drive Method	Center-driven	



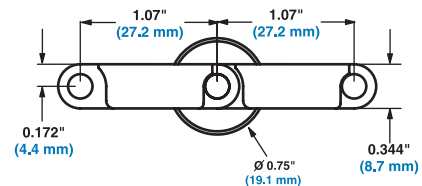
Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- For applications where low back pressure accumulation is required.
- Standard roller spacings across belt width: 2 in. (51 mm), 3 in. (76 mm), or 4 in. (102 mm) inline or staggered.
- Standard roller spacings along belt length: 1.07 in. (27.2 mm), 2.14 in. (54.4 mm).
- Minimum 1 in. (25.4 mm) roller indent.
- Contact Customer Service for non-standard roller placement options.
- Sprockets must NOT be placed inline with rollers.
- For low back pressure applications, place wearstrip between rollers. For driven applications, place wearstrip directly under rollers.
- Back-up load is 5% to 10% of product weight.



Additional Information

- See "Belt selection process" (page 5)
- See "Standard belt materials" (page 18)
- See "Special application belt materials" (page 18)
- See "Friction factors" (page 31)



Belt Data

Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS Belt Strength						Temperature Range (continuous)		W Belt Weight		Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey		
		Roller Width Spacing						°F	°C	lb/ft ²	kg/m ²	FDA (USA)	J ^a	EU MC ^b
		2 in.	51 mm	3 in.	76 mm	4 in.	102 mm							
lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m									
Polypropylene	Polypropylene	490	730	550	820	590	880	34 to 200	1 to 93	0.76	3.71	•	3	•
Acetal	Polypropylene	1030	1530	1170	1740	1240	1850	34 to 200	1 to 93	1.15	5.61	•	3	•

a. Japan Ministry of Health, Labour, and Welfare
 b. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.

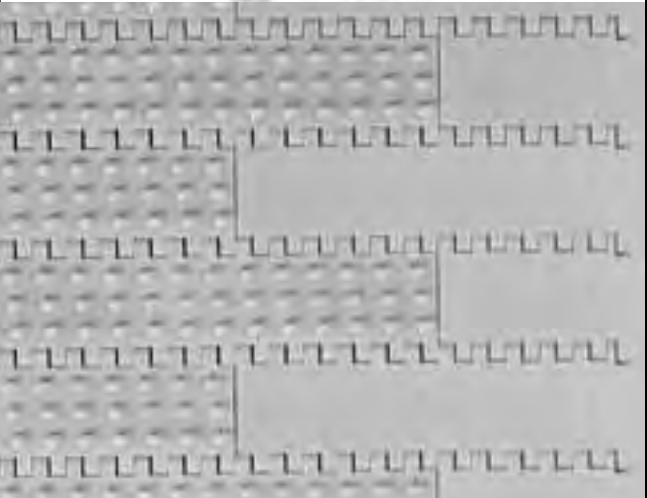
Nub Top™

	in.	mm
Pitch	1.07	27.2
Minimum Width	10	254
Width Increments	0.33	8.4
Open Area	0%	
Product Contact Area	7%	
Hinge Style	Closed	
Drive Method	Center-driven	



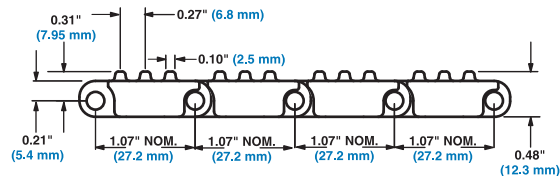
Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Fully flush edges and recessed rods.
- Improves productivity by reducing unscheduled downtime.
- Ideal for batch-off applications.
- Alternating 2 in. (50.8 mm) & 4 in. (101.6 mm) Nub Top indents from edge of Flat Top belt are standard.



Additional Information

- See "Belt selection process" (page 5)
- See "Standard belt materials" (page 18)
- See "Special application belt materials" (page 18)
- See "Friction factors" (page 31)



Belt Data

Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS	Belt Strength ^a	Temperature Range (continuous)		W	Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey								
				lb/ft	kg/m			°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA Dairy ^b	CFA ^c	A ^d	J ^e
Polypropylene	Polypropylene		700	1040	34 to 220	1 to 104	0.98	4.78	•					3		•

a. When using steel sprockets, the belt strength for polyethylene is 240 lb/ft (360 kg/m). Contact Customer Service for availability of Polyurethane sprockets.
 b. USDA Dairy acceptance requires the use of a clean-in-place-system.
 c. Canada Food Inspection Agency
 d. Australian Quarantine Inspection Service
 e. Japan Ministry of Health, Labour, and Welfare
 f. MAF-New Zealand Ministry of Agriculture and Forestry. MAF acceptance requires the use of a clean-in-place system.
 g. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.

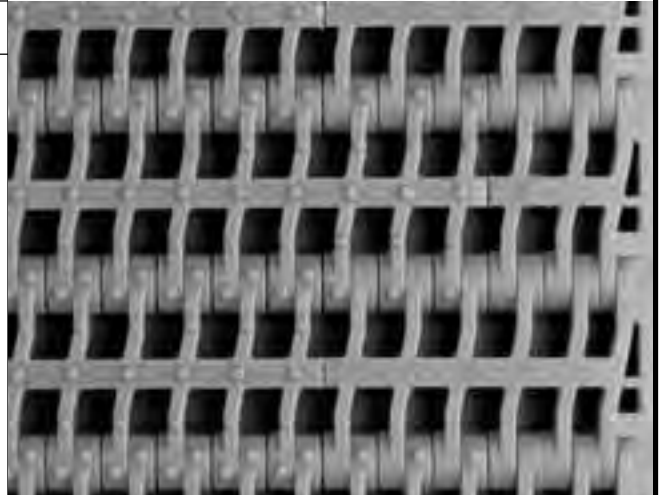
Flush Grid Nub Top™

	in.	mm
Pitch	1.07	27.2
Minimum Width	6	152
Width Increments	0.33	8.4
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38%	
Product Contact Area	3%	
Hinge Style	Open	
Drive Method	Center-driven	



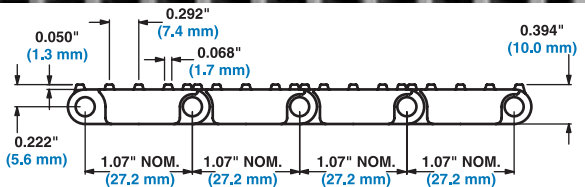
Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Can only be used with Series 900 Flush Grid base flights.
- Fully flush edges and recessed rods.
- Belts are built with Flush Grid edge modules. Minimum Flush Grid indent is an alternating 1 in. (25.4 mm) and 2 in. (50.8 mm) pattern.
- Not recommended for back-up conditions. If friction values between product and belt are required, contact Intralox Sales Engineering.



Additional Information

- See "Belt selection process" (page 5)
- See "Standard belt materials" (page 18)
- See "Special application belt materials" (page 18)
- See "Friction factors" (page 31)



Belt Data

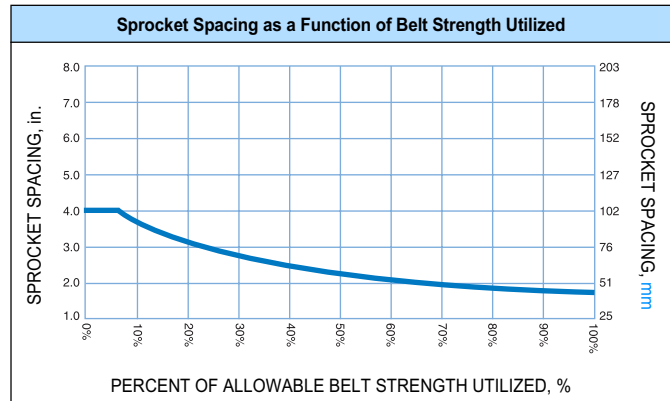
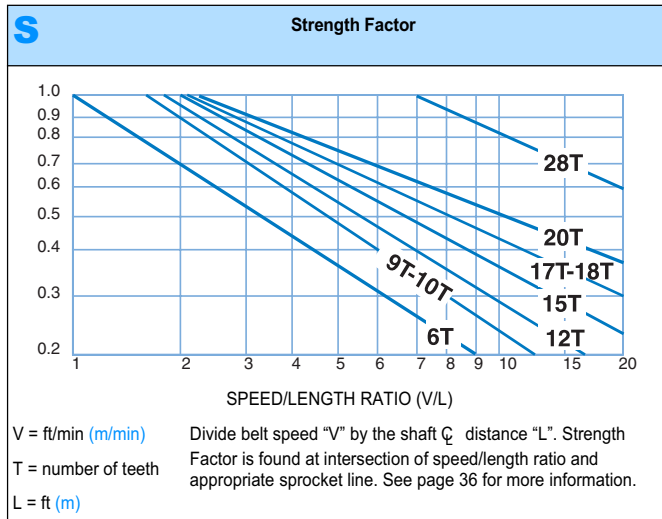
Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS	Belt Strength ^a	Temperature Range (continuous)		W	Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey								
				lb/ft	kg/m			°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA Dairy ^b	CFA ^c	A ^d	J ^e
Polypropylene	Polypropylene		700	1040	34 to 220	1 to 104	0.80	3.91	•					3		•

- a. When using steel sprockets, the belt strength for polyethylene is 240 lb/ft (360 kg/m).
- b. USDA Dairy acceptance requires the use of a clean-in-place-system.
- c. Canada Food Inspection Agency
- d. Australian Quarantine Inspection Service
- e. Japan Ministry of Health, Labour, and Welfare
- f. MAF-New Zealand Ministry of Agriculture and Forestry. MAF acceptance requires the use of a clean-in-place system.
- g. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.

Sprocket and Support Quantity Reference

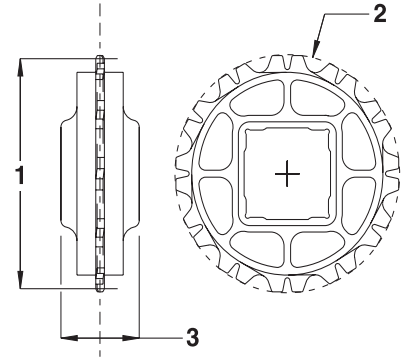
Belt Width Range ^a		Minimum Number of Sprockets Per Shaft ^b	Wearstrips	
in.	mm		Carryway	Returnway
2	51	1	2	2
4	102	1	2	2
6	152	2	2	2
7	178	2	3	2
8	203	2	3	2
10	254	3	3	2
12	305	3	3	2
14	356	5	4	3
15	381	5	4	3
16	406	5	4	3
18	457	5	4	3
20	508	5	5	3
24	610	7	5	3
30	762	9	6	4
32	813	9	7	4
36	914	9	7	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 ^c at Maximum 4 in. (102 mm) \varnothing Spacing			Maximum 6 in. (152 mm) \varnothing Spacing	Maximum 12 in. (305 mm) \varnothing Spacing

- a. 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 0.33 in. (8.4 mm) increments beginning with minimum width of 2 in. (51 mm). **If the actual width is critical, consult Customer Service.**
- b. These are the minimum number of sprockets. Additional sprockets may be required for heavily loaded applications.
- c. 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 304 for lock down location.



Sprocket Data^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
6 (13.40%)	2.1 ^c	53 ^c	2.2	56	0.75	19		1.0		25
9 (6.03%)	3.1	79	3.2	81	1.0	25	1	1.0	25	25
								1.5		40
10 (4.89%)	3.5	89	3.6	91	0.75	19		1.0		40
12 (3.41%)	4.1	104	4.3	109	1.5	38	1 to 1-1/2	1.5	25 to 40	40
							1-15/16 to 2-3/16		50 to 55	
17 (1.70%)	5.8	147	5.9	150	1.5	38	1-3/16 to 1-1/2		30 to 40	
18 (1.52%)	6.1	155	6.3	160	1.5	38	1 to 1-1/2	1.5	25 to 40	40
							1-15/16 to 2-3/16	2.5	50 to 55	60 65
20 (1.23%)	6.8	173	7.0	178	1.5	38	1 to 1-1/2	1.5	25 to 40	40
							1-15/16 to 2-3/16	2.5	50 to 55	60 65



1 - Pitch diameter
2 - Outer diameter
3 - Hub width

- a. Contact Customer Service for lead times. When using Polyurethane sprockets, the Belt Strength for belts rated over 650 lb/ft (967 kg/m) will be de-rated to 650 lb/ft (967 kg/m) when using 1.5" (40 mm) bore sprockets and belt rated over 1,100 lb/ft (1,637 kg/m) will be de-rated to 1,100 lb/ft (1,637 kg/m) when using 2.5" (60 mm) bore sprockets. All other belts will maintain their published rating. The temperature range for Polyurethane sprockets is 0° F (-18 °C) to 120 °F (49 °C). Contact Customer Service for availability of Polyurethane sprockets.
- 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.
- c. See the Retaining Rings section for more information on retaining the 2.1 in. (53 mm) pitch diameter sprocket.

EZ Clean Sprocket Data^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
12 (3.41%)	4.1	104	4.3	109	1.5	38		1.5		40
18 (1.52%)	6.1	155	6.3	160	1.5	38		1.5		40



- a. Contact Customer Service for lead times. When using Polyurethane sprockets, the Belt Strength for belts rated over 650 lb/ft (967 kg/m) will be de-rated to 650 lb/ft (967 kg/m) when using 1.5" (40 mm) bore sprockets and belt rated over 1,100 lb/ft (1,637 kg/m) will be de-rated to 1,100 lb/ft (1,637 kg/m) when using 2.5" (60 mm) bore sprockets. All other belts will maintain their published rating. The temperature range for Polyurethane sprockets is 0° F (-18 °C) to 120 °F (49 °C). Contact Customer Service for availability of Polyurethane sprockets.
- 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.

Split Sprocket Data^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
10 (4.89%)	3.5	89	3.6	91	1.5	38		1.5		40
12 (3.41%)	4.1	104	4.3	109	1.5	38		1.5		40
15 (2.19%)	5.1	130	5.3	135	1.5	38	1-3/16	1.5		
							1-1/4			
17 (1.70%)	5.8	147	6.1	155	1.5	38			40	40
18 (1.52%)	6.1	155	6.3	160	1.5	38	1-1/4	1.5		40
							1-1/2	2.5		60
20 (1.23%)	6.8	173	7.0	178	1.5	38	1-1/4	1.5		40
								2.5		60
28^c (0.63%)	9.8	249	10.0	254	1.5	38		1.5		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.
- c. The 9.8 in. (249 mm) Pitch Diameter 28 tooth Split Sprocket should not be used with any Series 900 style Acetal belt. A special 9.7 in. (246 mm) Pitch Diameter Split Sprocket must be used instead. Contact Customer Service for lead times.

Molded Glass Filled Nylon Toothplate Split Sprocket Data^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
15 (2.19%)	5.1	130	5.3	135	1.5	38	1	1.5	30	40
							1-3/16		40	
17 (1.70%)	5.8	147	6.1	155	1.5	38			30	40
									40	
18 (1.52%)	6.1	155	6.3	160	1.5	38	1-1/4	1.5		40
							1-1/2	2.5		60
20 (1.23%)	6.8	173	7.0	178	1.5	38	1-1/4	1.5		40
								2.5		60

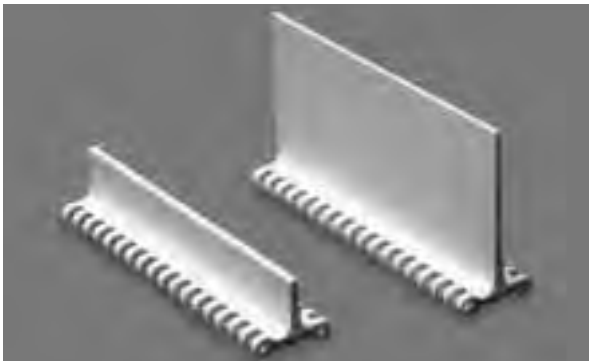


- a. **Contact Customer Service for lead times.**
- b. Round bore molded and split sprockets are frequently furnished with two keyways. Use of two keys is NOT REQUIRED nor recommended. Round bore sprockets do not have set screws for locking the sprockets in place. As with square bore sprockets, only 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.

Flat Top Base Flights (Streamline)

Available Flight Height		Available Materials
in.	mm	
1	25	Polypropylene, Polyethylene, Acetal
2	51	
3	76	


- Note:** Flights can be cut down to any height required for a particular application.
- Note:** Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- Note:** Flat Top flight is smooth (Streamline) on both sides.
- Note:** The minimum indent (without sideguards) is 0.7 in. (17.8 mm).



Flush Grid Nub Top Base Flight (Double No-Cling)

Available Flight Height		Available Materials
in.	mm	
4	102	Polypropylene, Acetal


Note: Flights can be cut down to any height required for a particular application.
Note: Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
Note: No-Cling vertical ribs are on both sides of the flight.
Note: The minimum indent (without sideguards) is 0.7 in. (17.8 mm).



Flush Grid Base Flights (Streamline/No-Cling)

Available Flight Height		Available Materials
in.	mm	
1	25	Polypropylene, Polyethylene, Acetal, HR Nylon (Non FDA), HR Nylon (FDA) ^a , Detectable Polypropylene ^b
2	51	

Note: Flights can be cut down to any height required for a particular application.
Note: Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
Note: One side of the Flush Grid flight is smooth (Streamline) while the other is ribbed vertically (No-Cling).
Note: The minimum indent (without sideguards) is 0.7 in. (17.8 mm).




- a. This product may not be used for food contact articles that will come in contact with food containing alcohol.
- b. Detectable Polypropylene can be sensed with metal detection equipment. Testing the material on a metal detector in a production environment is the best method for determining detection sensitivity.

Flat Top Base Flights (Streamline Rubber)

Available Flight Height		Available Materials
in.	mm	
1	25	Polypropylene
2	51	
3	76	

Note: Each flight rises out of the center of its supporting module. No fasteners are required.
Note: 3 in. (76 mm) flights are available in Grey rubber only.
Note: Black or Grey rubber on top of Grey Polypropylene modules and White rubber on top of White Polypropylene modules (both FDA approved).
Note: Minimum indent (without sideguards) is 0.7 in (17.8 mm).
Note: Black rubber flights have a hardness of 45 Shore A and White rubber flights have a hardness of 56 Shore A and Grey rubber flights have a hardness of 85 Shore A.
Note: Flights can be cut down to any height required for a particular application with a minimum flight height of 0.25 inch (13 mm).



Sideguards

Available Sizes		Available Materials
in.	mm	
2	51	Polypropylene, Polyethylene, Acetal, HR Nylon (FDA) ^a , HR Nylon (Non FDA)



Note: Sideguards have a standard overlapping design and are an integral part of the belt, with no fasteners required.

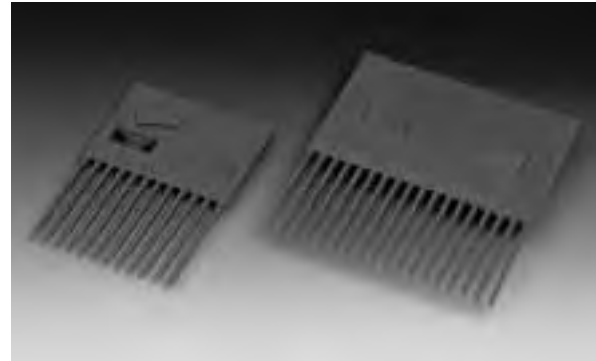
Note: The minimum indent is 1 in. (25.4 mm). The standard gap between the sideguards and the edge of a flight is 0.2 in. (5 mm).

Note: When going around the 6, 9, and 10 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 12 tooth and larger sprockets.

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

Finger Transfer Plates

Available Widths		Number of Fingers	Available Materials
in.	mm		
6	152	18	Acetal
4	102	12	



Note: Eliminates product transfer and tipping problems. The 18 fingers extend between the belt's ribs allowing a smooth continuation of the product flow as the belt engages its sprockets.

Note: Finger Transfer Plates are installed easily on the conveyor frame with the shoulder bolts supplied. Caps snap easily into place over the bolts, keeping foreign materials out of the slots.

Note: 4 in. (102 mm) (12 finger) are for use only when retrofitting from Series 100 Raised Rib to Series 900 Raised Rib. The 4 in. (102 mm) wide cannot be mixed with the 6 in. (152 mm) wide finger plates.

Hold Down Tabs

Available Clearance		Available Materials
in.	mm	
0.16	4.1	Acetal
0.35	8.9	



Note: The 0.16 in. (4.1 mm) tab is available in both Flat Top and Flush Grid styles. The 0.35 in (8.9 mm) tab is available with a Flat Top style. The top of this tab sits 0.04 in. below the top of Flat Top belts and is level with the top of Flush Grid belts.

Note: Tabs are 1.4 in (36 mm) wide.

Note: Tabs are placed on every other row.

Note: Minimum indent is 0.7 in. (17.8 mm).

Note: A minimum of 2.7 in. (69 mm) is required between tabs to accommodate 1 sprocket.

Note: Carryway wearstrip or rollers that engage the tabs are only required at the transition between horizontal sections and angled sections. A carryway radius should be designed at this transition.

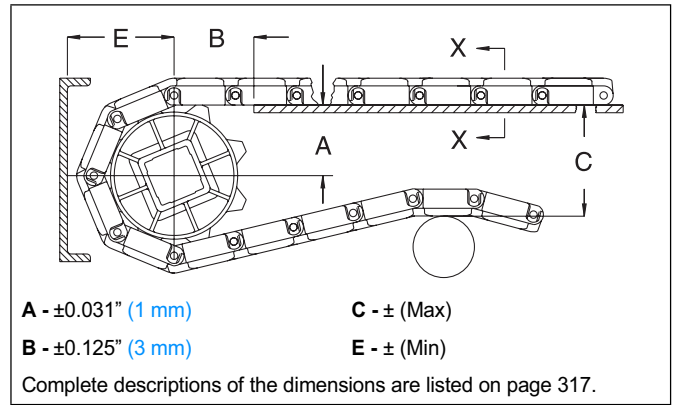
Note: Care should be taken to ensure that adequate lead-in radii and/or angles are used to prevent the possibility of snagging the tab on the frame.

Note: Hold Down Tabs will not work with the following sprockets 2.1 in. (53 mm) Pitch Diameter Molded, 3.1 in. (79 mm) Pitch Diameter Molded and 3.5 in. (89 mm) Pitch Diameter Split Metal.

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		in.	mm						
SERIES 900 FLUSH GRID, FLAT TOP, PERFORATED FLAT TOP, MESH TOP, NUB TOP^a										
2.1	53	6	0.75-0.90	19-23	1.25	32	2.28	58	1.51	38
3.1	79	9	1.30-1.39	33-35	1.51	38	3.20	81	1.75	44
3.5	89	10	1.47-1.56	37-40	1.70	43	3.60	91	2.01	51
4.1	104	12	1.82-1.90	46-48	1.74	44	4.25	108	2.51	64
5.1	130	15	2.34-2.40	60-61	2.00	51	5.20	132	2.77	70
5.8	147	17	2.69-2.74	68-70	2.13	54	5.80	147	3.15	80
6.1	155	18	2.86-2.91	73-74	2.20	56	6.20	155	3.30	84
6.8	173	20	3.21-3.25	81-82	2.32	59	6.75	171	3.86	98
9.6	244	28	4.58	116	2.96	75	9.70	246	5.02	128
SERIES 900 FLUSH GRID NUB TOP^a										
2.1	53	6	0.75-0.90	19-23	1.22	31	2.19	56	1.35	34
3.1	79	9	1.30-1.39	33-35	1.52	39	3.17	81	1.85	47
3.5	89	10	1.47-1.56	37-40	1.64	42	3.51	89	2.02	51
4.1	104	12	1.82-1.90	46-48	1.75	44	4.19	106	2.35	60
5.1	130	15	2.34-2.40	59-61	1.95	50	5.19	132	2.86	73
5.8	147	17	2.69-2.74	68-70	2.09	53	5.87	149	3.20	81
6.1	155	18	2.86-2.91	73-74	2.12	54	6.21	158	3.37	86
6.8	173	20	3.21-3.25	82-83	2.25	57	6.89	175	3.70	94
9.6	244	28	4.58	116	2.92	74	9.61	244	5.06	129
SERIES 900 RAISED RIB, FLUSH GRID WITH INSERT ROLLERS, OPEN GRID^a										
2.1	53	6	0.75-0.90	19-23	1.25	32	2.28	58	1.73	44
3.1	79	9	1.30-1.39	33-35	1.51	38	3.20	81	1.97	50
3.5	89	10	1.47-1.56	37-40	1.70	43	3.60	91	2.23	57
4.1	104	12	1.82-1.90	46-48	1.74	44	4.25	108	2.73	69
5.1	130	15	2.34-2.40	60-61	2.00	51	5.20	132	2.99	76
5.8	147	17	2.69-2.74	68-70	2.13	54	6.00	152	3.40	86
6.1	155	18	2.86-2.91	73-74	2.20	56	6.20	157	3.52	89

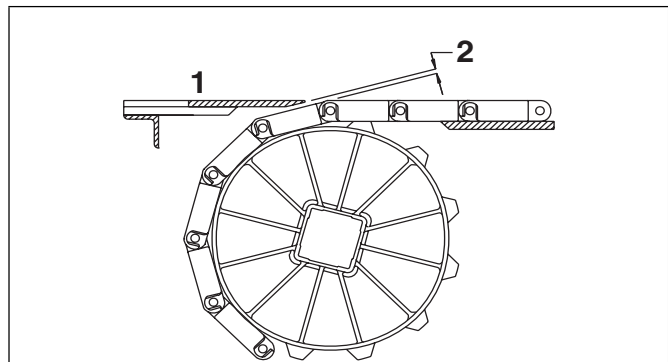
Sprocket Description		A		B		C		E		
Pitch Diameter		No. Teeth	Range (Bottom to Top)		in.	mm	in.	mm	in.	mm
in.	mm		in.	mm						
6.8	173	20	3.21-3.25	81-82	2.32	59	6.75	171	4.08	104
9.6	244	28	4.58	116	2.96	75	9.70	246	5.24	133
SERIES 900 DIAMOND FRICTION TOP, FLAT FRICTION TOP, SQUARE FRICTION TOP^a										
2.1	53	6	0.75-0.90	19-23	1.25	32	2.28	58	1.76	45
3.1	79	9	1.30-1.39	33-35	1.51	38	3.20	81	1.96	50
3.5	89	10	1.47-1.56	37-40	1.70	43	3.60	91	2.22	56
4.1	104	12	1.82-1.90	46-48	1.74	44	4.25	108	2.72	69
5.1	130	15	2.34-2.40	60-61	2.00	51	5.20	132	2.98	76
5.8	147	17	2.69-2.74	68-70	2.13	54	6.00	152	3.40	86
6.1	155	18	2.86-2.91	73-74	2.20	56	6.20	157	3.51	89
6.8	173	20	3.21-3.25	81-82	2.32	59	6.75	171	4.08	104
9.6	244	28	4.58	116	2.96	75	9.70	246	5.23	133
SERIES 900 MOLD TO WIDTH 29 MM SQUARE FRICTION TOP^a										
2.1	53	6	0.75-0.90	19-23	1.27	32	2.38	60	1.54	39
3.1	79	9	1.30-1.39	33-35	1.58	40	3.36	85	2.04	52
3.5	89	10	1.47-1.56	37-40	1.70	43	3.70	94	2.21	56
4.1	104	12	1.82-1.90	46-48	1.88	48	4.38	111	2.54	65
5.1	130	15	2.34-2.40	59-61	2.10	53	5.38	137	3.05	77
5.8	147	17	2.69-2.74	68-70	2.32	59	6.06	154	3.39	86
6.1	155	18	2.83-2.88	72-73	2.31	59	6.34	161	3.52	89
6.8	173	20	3.21-3.25	82-83	2.42	61	7.08	180	3.89	99
9.6	244	28	4.58-4.61	116-117	2.92	74	9.80	249	5.25	133

a. Refer to "Anti-sag carryway wearstrip configuration" (page 322), 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.



1 - Top surface of dead plate 2 - Dead plate gap

Note: The top surface of the dead plate is typically 0.031 in. (0.8 mm) above the belt surface for product transfer onto the belt, and 0.031 in. (0.8 mm) below the belt surface for product transfer off the belt.

Sprocket Description			Gap	
Pitch Diameter		No. Teeth	in.	mm
in.	mm			
2.1	53	6	0.147	3.7
3.1	79	9	0.095	2.4
3.5	89	10	0.084	2.1
4.1	104	12	0.071	1.8
5.1	130	15	0.057	1.4
5.8	147	17	0.050	1.3
6.1	155	18	0.047	1.2
6.8	173	20	0.042	1.1
9.6	244	28	0.029	0.7