

**Flat Top**

	in.	mm
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.66	16.8
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	



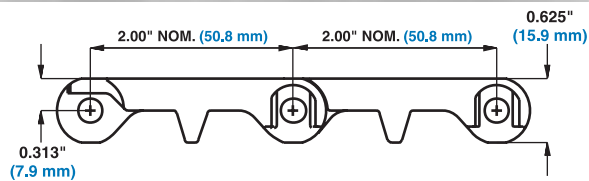
**Product Notes**

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Smooth, closed upper surface with fully flush edges and recessed rods.
- Impact resistant belt designed for tough Meat Industry applications.
- Flights and sideguards are available.



**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 0.24 in. (6.1 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 <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA-FSIS - Meat & Poultry	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>	A <sup>c</sup>	Z <sup>d</sup>	J <sup>e</sup>	EU MC <sup>f</sup>
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.77	8.66	•	•	1	•	•	•	3	•
Polyethylene	Polyethylene	500	750	-50 to 150	-46 to 66	1.87	9.13	•	•	3	•	•	•	3	•
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.75	13.43	•	•	1	•	•		3	•
Nylon	Polyethylene	1200	1780	-50 to 150	-46 to 66	2.32	11.33	1			•	•			•

a. USDA Dairy acceptance requires the use of a clean-in-place-system.  
 b. Canada Food Inspection Agency  
 c. Australian Quarantine Inspection Service  
 d. MAF-New Zealand Ministry of Agriculture and Forestry. MAF acceptance requires the use of a clean-in-place system.  
 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.

## Open Hinge Flat Top

	in.	mm
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	0.66	16.8
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	

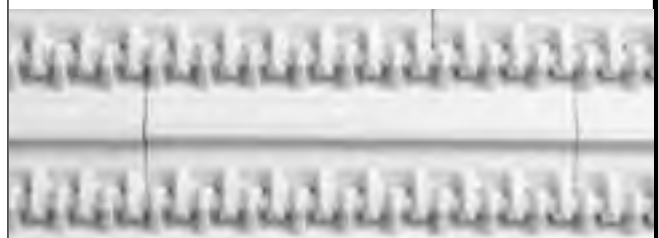


### Product Notes

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.**
- Smooth, closed upper surface with fully flush edges and recessed rods.
- Cam-link designed hinges - expose more hinge and rod area as the belt goes around the sprocket. This exclusive Intralox feature allows unsurpassed cleaning access to this area.
- Fully sculpted and radiused corners - no pockets or sharp corners to catch and hold debris.
- Drive Bar - like Series 1600 and Series 1800, the drive bar on the underside of Series 800 Open Hinge Flat Top channels water and debris to the outside of the belt for easier, faster clean up. The drive bar's effectiveness has been proven both in-house and in field tests.
- Fully compatible with industry-proven Series 800 Flat Top – can be spliced directly into Series 800 Flat Top, using the same sprockets and accessories.
- Streamlined flights are available. Standard height is 6 in. (152.4 mm) or they can be cut down to custom heights.



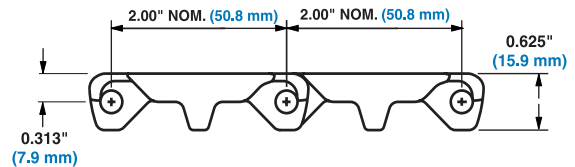
Top Side



Under Side

### 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 0.24 in. (6.1 mm)	<b>BS</b> Belt Strength	Temperature Range (continuous)		<b>W</b> Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey								
			lb/ft	kg/m		°F	°C	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>	A <sup>c</sup>	J <sup>d</sup>
Polypropylene	Polypropylene	900	1340	34 to 220	1 to 104	1.63	7.96	•	1				3	•
Polyethylene	Polyethylene	500	750	-50 to 150	-46 to 66	1.70	8.30	•	3				3	•
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.52	12.3	•	1				3	•
Detectable Polypropylene <sup>f</sup>	Blue Polyethylene	500	750	0 to 150	-18 to 66	1.83	8.93	•					4	•

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. 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.

**SeamFree™ Open Hinge Flat Top**

	in.	mm
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	0.66	16.8
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	



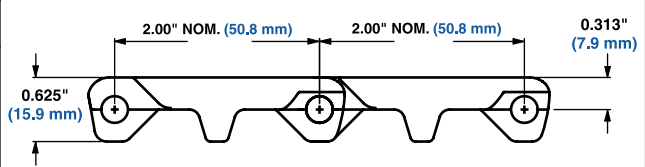
**Product Notes**

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.**
- Smooth, closed upper surface with fully flush edges and recessed rods.
- Cam-link designed hinges - expose more hinge and rod area as the belt goes around the sprocket. This exclusive Intralox feature allows unsurpassed cleaning access to this area.
- Fully sculpted and radiused corners - no pockets or sharp corners to catch and hold debris.
- Drive Bar - like Series 1600 and Series 1800, the drive bar on the underside of Series 800 Open Hinge Flat Top channels water and debris to the outside of the belt for easier, faster clean up. The drive bar's effectiveness has been proven both in-house and in field tests.
- Fully compatible with industry-proven Series 800 Flat Top – can be spliced directly into Series 800 Flat Top, using the same sprockets and accessories.
- Streamlined flights are available. Standard height is 6 in. (152.4 mm) or they can be cut down to custom heights.
- Belts over 36" (914 mm) will be built with multiple modules per row, but seams will be minimized.



**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 0.24 in. (6.1 mm)	BS Belt Strength		Temperature Range (continuous)		W Belt Weight		Agency Acceptability <sup>a</sup> 1=White, 2=Blue, 3=Natural, 4=Grey			
		lb/ft	kg/m	°F	°C	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA Dairy <sup>b</sup>	J <sup>c</sup>	EU MC <sup>d</sup>
Polypropylene	Polypropylene	900	1340	34 to 220	1 to 104	1.63	7.96	•	1	3	•
Polyethylene	Polyethylene	500	750	-50 to 150	-46 to 66	1.70	8.30	•	3	3	•
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.52	12.3	•	1	3	•
X-Ray Detectable Acetal <sup>e</sup>	Blue Polyethylene	900	1340	-50 to 150	-46 to 66	2.98	13.67	•			•

a. Prior to Intralox's development of the Series 800 SeamFree™ Open Hinge Flat Top, USDA-FSIS Meat and Poultry discontinued publishing a list of acceptable new products designed for food contact. As of the printing of this literature, third party approvals are being investigated, but are not yet sanctioned by the USDA-FSIS.

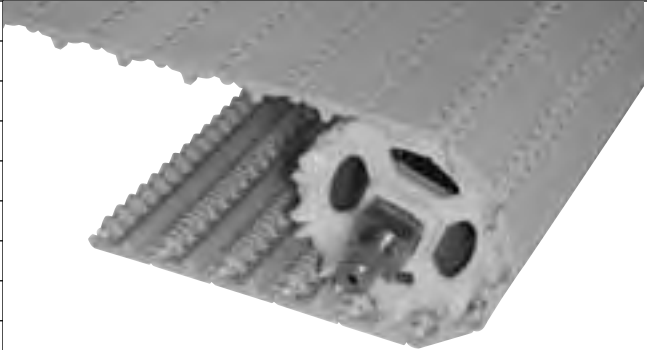

b. USDA Dairy acceptance requires the use of a clean-in-place-system.

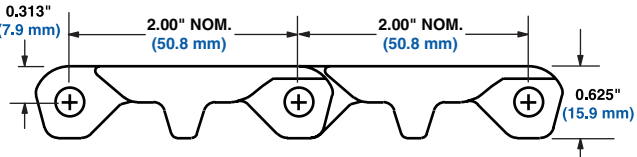
c. Japan Ministry of Health, Labour, and Welfare.

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

e. Designed specifically to be detected by x-ray machines.

Tough Flat Top		
	in.	mm
Pitch	2.00	51.0
Minimum Width	2	51
Width Increments	0.66	16.8
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Product Notes		
<ul style="list-style-type: none"> <li>• <b>Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.</b></li> <li>• Smooth, closed upper surface with fully flush edges and recessed rods.</li> <li>• Designed to withstand extreme impact applications in food processing.</li> <li>• Easy retrofit from Series 1800 without extensive conveyor frame changes for most meat industry applications since the A,B,C,E dimensions are within 0.25 in. (6 mm) of Series 1800.</li> <li>• Cam-link designed hinges - expose more hinge and rod area as belt goes around the sprocket. This exclusive Intralox feature allows unsurpassed cleaning access to this area.</li> <li>• Drive Bar - like Series 1600 and Series 1800, the drive bar on the underside of Series 800 Tough Flat Top channels water and debris to the outside of the belt for easier, faster clean up. The drive bar's effectiveness has been proven both in-house and in field tests.</li> <li>• Fully compatible with industry-proven Series 800 Flat Top and Series 800 Open Hinge - can be spliced directly into both styles, using the same sprockets and accessories.</li> <li>• Streamlined Tough flights are available. Standard height is 6 in. (152.4 mm) or they can be cut down to custom heights. A molded-in 1.3 in. (33 mm) indent from the edge is available.</li> </ul>		
Additional Information		
<ul style="list-style-type: none"> <li>• See "Belt selection process" (page 5)</li> <li>• See "Standard belt materials" (page 18)</li> <li>• See "Special application belt materials" (page 18)</li> <li>• See "Friction factors" (page 31)</li> </ul>		



Belt Data															
Belt Material	Standard Rod Material Ø 0.24 in. (6.1 mm)	<b>BS</b> Belt Strength	Temperature Range (continuous)		<b>W</b> Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey									
			lb/ft	kg/m		°F	°C	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA-FSIS - Meat & Poultry	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>	A <sup>c</sup>	Z <sup>d</sup>
Hi-Impact	Acetal	500	744	0 to 120	-18 to 49	2.26	11.03	•			•	•	•		•

a. USDA Dairy acceptance requires the use of a clean-in-place-system.  
 b. Canada Food Inspection Agency  
 c. Australian Quarantine Inspection Service  
 d. MAF-New Zealand Ministry of Agriculture and Forestry. MAF acceptance requires the use of a clean-in-place system.  
 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.

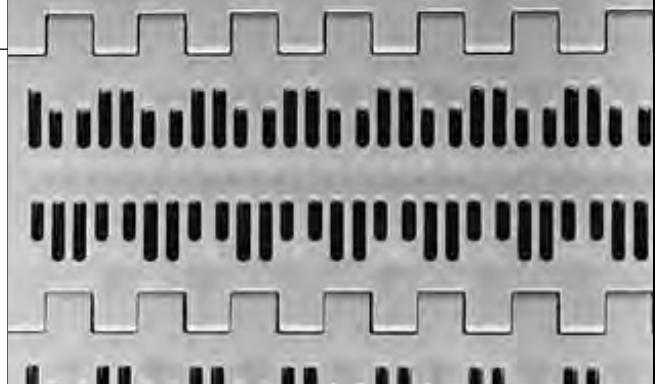
**Perforated Flat Top**

	in.	mm
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.66	16.8
Min. Opening Size (approx.)	0.29 × 0.08	7.4 × 1.9
Max Opening Size (approx.)	0.44 × 0.08	11.1 × 1.9
Open Area	18%	
Hinge Style	Open	
Drive Method	Center-driven	



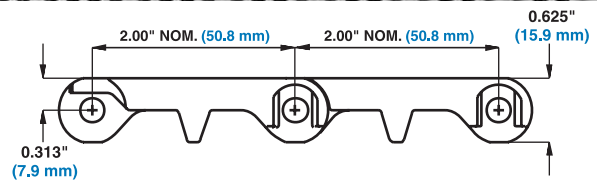
**Product Notes**

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Perforated version of Series 800 Flat Top.
- Smooth upper surface with fully flush edges and recessed rods.
- Flights and sideguards are available.



**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 0.24 in. (6.1 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 <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA-FSIS - Meat & Poultry	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>	A <sup>c</sup>	J <sup>d</sup>	Z <sup>e</sup>	EU MC <sup>f</sup>
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.54	7.25	•	•	1			3	•	•
Polyethylene	Polyethylene	500	750	-50 to 150	-46 to 66	1.59	7.76	•	•	3			3	•	•
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.28	11.15	•	•	1			3	1	•

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.



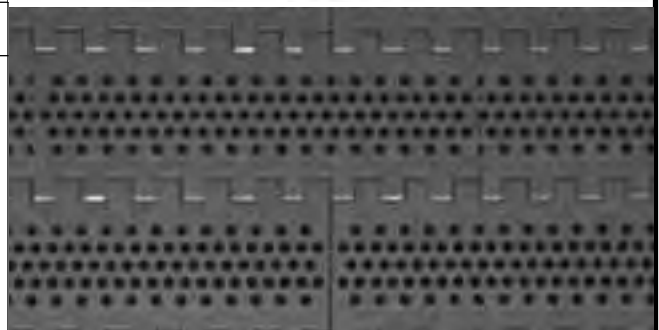
## Perforated Flat Top Round Holes

	in.	mm
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.66	16.8
Opening Size (approximate)	see photos on right	
Open Area	see photos on right	
Hinge Style	Open	
Drive Method	Center-driven	

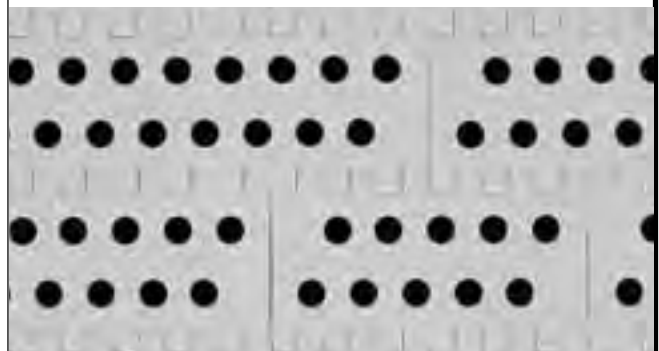


### Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Round hole versions of Series 800 Perforated Flat Top.
- Smooth upper surface with fully flush edges and recessed rods.
- If using this belting in abrasive applications, Intralox recommends Series 800 polyurethane sprockets. Stainless steel split sprockets are not recommended for use with this belt.



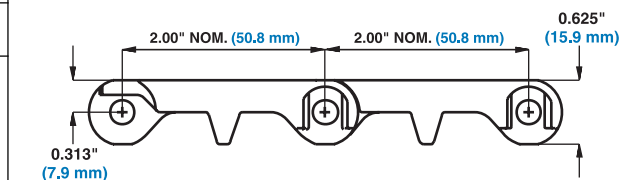
5/32" (4 mm) - 20% Open Area



11/32" (8.7 mm) - 14% Open Area

### 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 0.24 in. (6.1 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 <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA-FSIS - Meat & Poultry	USDA Dairy <sup>a</sup>	J <sup>b</sup>	Z <sup>c</sup>	EU MC <sup>d</sup>
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.54	7.52	•	•	1	3	•	•
Polyethylene	Polyethylene	500	750	-50 to 150	-46 to 66	1.59	7.76	•	•	3	3	•	•
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.28	11.15	•	•	1	3		•

a. USDA Dairy acceptance requires the use of a clean-in-place-system.

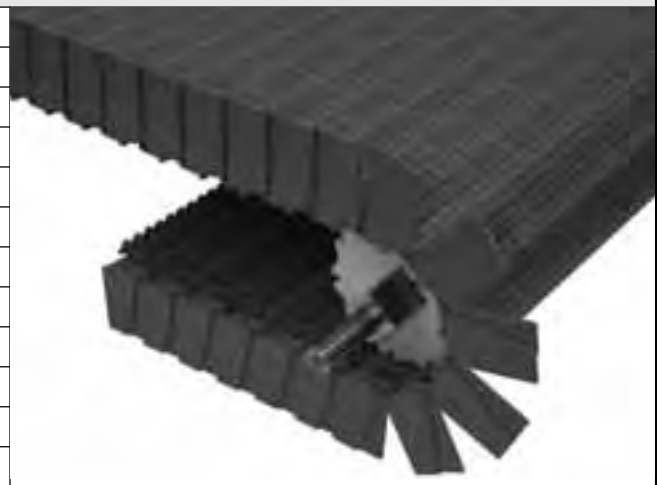
b. Japan Ministry of Health, Labour, and Welfare

c. MAF-New Zealand Ministry of Agriculture and Forestry. MAF acceptance requires the use of a clean-in-place system.

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

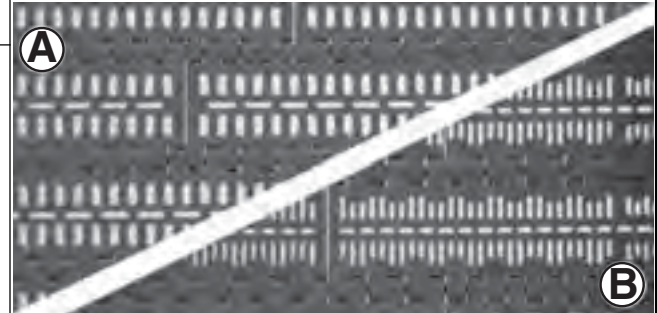
**Perforated Flat Top (Medium Slot / Large Slot) featuring Molded-in Sideguard**

	in.	mm
Pitch	2.00	51.0
Minimum Width	6	152
Width Increments	0.66	16.8
Large Min. Opening Size	0.16 x 0.39	4.1 x 9.9
Large Max. Opening Size	0.12 x 0.50	3.0 x 12.7
Medium Min. Opening Size	0.16 x 0.09	4.1 x 2.3
Medium Max. Opening Size	0.40 x 0.18	10.2 x 4.6
Large Slot Open Area	22%	
Medium Slot Open Area	20%	
Hinge Style	Open	
Drive Method	Center-driven	

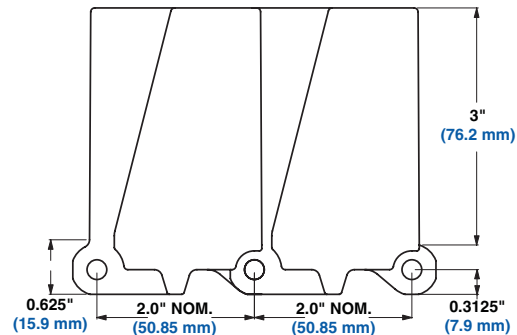


**Product Notes**

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Belt withstands temperatures from -20 °F (-29 °C) to 220 °F (104 °C).
- Extra perforations are positioned along each drive bar to increase open area and drainage.
- Compatible with a variety of Series 800 sprockets. Please contact Customer Service for sprocket recommendations.
- Molded-in Sideguard indent is 0 in. (0 mm).
- Molded-in Sideguard height is 3 in. (76 mm).
- Molded-in Sideguard minimum backbend radius is 7 in. (178 mm).
- Molded-in Sideguards are available in Medium slot but can accommodate both the medium and large slot Series 800 Perforated Flat Top.



A - Large slot  
B - Medium slot



**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 0.24 in. (6.1 mm)	BS Belt Strength	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 <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA-FSIS - Meat & Poultry	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>	A <sup>c</sup>	J <sup>d</sup>
Polypropylene Composite	303-304 Stainless Steel	2000	2975	34 to 220	1 to 104	2.47	13.61	•								•

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.

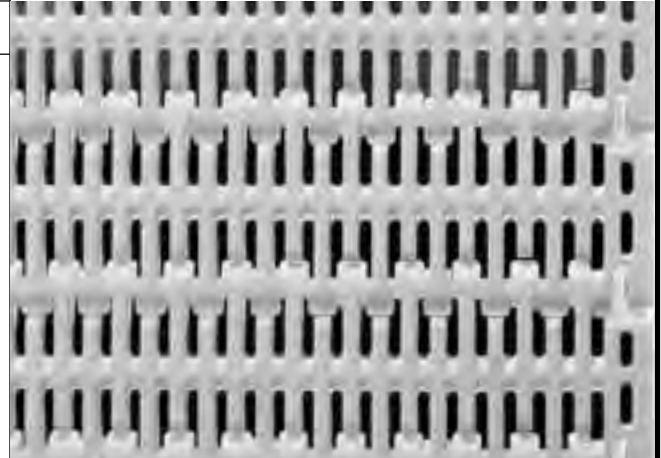
### Flush Grid

	in.	mm
Pitch	2.00	50.8
Minimum Width	4.6	117
Width Increments	0.66	16.8
Opening Size (approximate)	0.15 × 0.90	3.8 × 22.9
Open Area	27%	
Product Contact Area	73%	
Hinge Style	Open	
Drive Method	Center-driven	



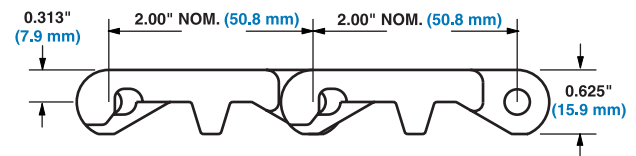
### Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Smooth upper surface with fully flush edges.
- Open slots improve drainage and cleanability.
- Uses a headless rod retention system.
- Flights and sideguards available.
- Complete range of accessories available, including round-top flights and flights with drainage bases.
- Provides excellent drainage during production and clean up. Hole design eliminates water collecting on belt surface and being carried throughout processing line.
- Bi-directional belt design allows sprockets to drive or idle belt in both directions. Reduces chances of installation error.



### 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 0.24 in. (6.1 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 <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>	A <sup>c</sup>
Polypropylene	Polypropylene	800	1190	34 to 220	1 to 104	1.45	7.08	•	1					3	•
Polyethylene	Polyethylene	500	750	-50 to 150	-46 to 66	1.63	7.96	•	3					3	•
Acetal	Polyethylene	1000	1490	-50 to 150	-46 to 66	2.25	10.99	•	1					3	•
Acetal	Polypropylene	1000	1490	34 to 200	1 to 93	2.25	10.99	•	1					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.



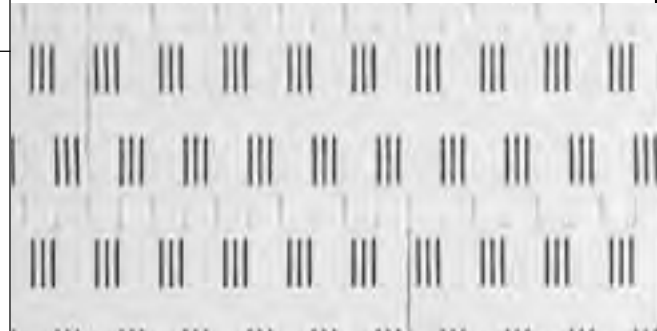
**Mesh Top™**

	in.	mm
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.66	16.8
Opening Size (approximate)	0.50 × 0.04	12.7 × 1.0
Open Area	9%	
Hinge Style	Open	
Drive Method	Center-driven	

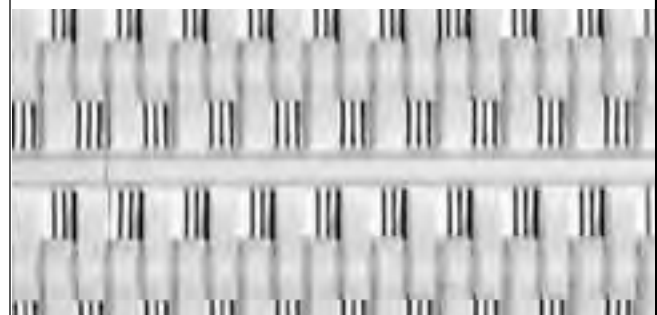


**Product Notes**

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Smooth, closed upper surface with fully flush edges and recessed rods.
- Impact resistant belt designed for tough applications.
- Flights are available.



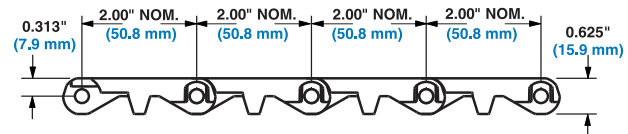
Top Surface



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)


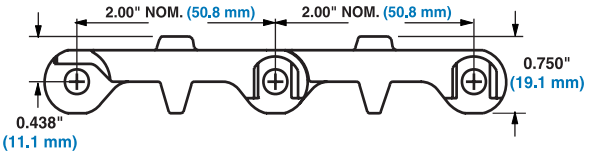


**Belt Data**

Belt Material	Standard Rod Material Ø 0.24 in. (6.1 mm)	<b>BS</b>	Belt Strength	Temperature Range (continuous)		<b>W</b>	Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey							
				lb/ft	kg/m			°F	°C	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA Dairy <sup>a</sup>	CFI <sup>b</sup>	A <sup>c</sup>
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.60	7.86	•	1				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. New Zealand Ministry of Agriculture and Forestry  
 f. European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.

<b>Mini Rib</b>		
	in.	mm
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.66	16.8
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
<b>Product Notes</b>		
<ul style="list-style-type: none"> <li>• <b>Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.</b></li> <li>• Closed surface with fully flush edges and recessed rods.</li> <li>• Impact resistant belt designed for tough Meat Industry applications.</li> <li>• 1/8 in. (3 mm) Mini Rib on surface accommodates gradual inclines and declines.</li> <li>• Not recommended for back-up conditions. If values are required, contact Intralox Sales Engineering.</li> </ul>		
<b>Additional Information</b>		
<ul style="list-style-type: none"> <li>• See “Belt selection process” (page 5)</li> <li>• See “Standard belt materials” (page 18)</li> <li>• See “Special application belt materials” (page 18)</li> <li>• See “Friction factors” (page 31)</li> </ul>		

<b>Belt Data</b>															
Belt Material	Standard Rod Material Ø 0.24 in. (6.1 mm)	<b>BS</b>	Belt Strength	Temperature Range (continuous)		<b>W</b>	Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey							
				lb/ft	kg/m			°F	°C	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA-FSIS - Meat & Poultry	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.77	8.66	•	•	1	•	•	3	•	•
Polyethylene	Polyethylene	500	750	-50 to 150	-46 to 66	1.87	9.13	•	•	3	•	•	3	•	•
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.92	14.26	•	•	1	•	•	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. 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.

**Nub Top™**

	in.	mm
Pitch	2.00	50.8
Minimum Width	4	102
Width Increments	0.66	16.8
Open Area	0%	
Product Contact Area	15%	
Hinge Style	Open	
Drive Method	Center-driven	



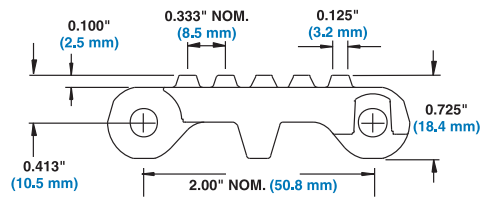
**Product Notes**

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Closed upper surface with fully flush edges and recessed rods.
- Standard Flights and Sideguards (without nubs) are available.
- Nub standard indent is 1.3 in. (33 mm).
- Not recommended for back-up conditions. If values 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 0.24 in. (6.1 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 <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA-FSIS - Meat & Poultry	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>	A <sup>c</sup>	J <sup>d</sup>
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.90	9.26	•	•	1	•	•	3	•	•
Polyethylene	Polyethylene	500	750	-50 to 150	-46 to 66	2.01	9.80	•	•	3	•	•	3	•	•
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.95	14.40	•	•	1	•	•	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. 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.

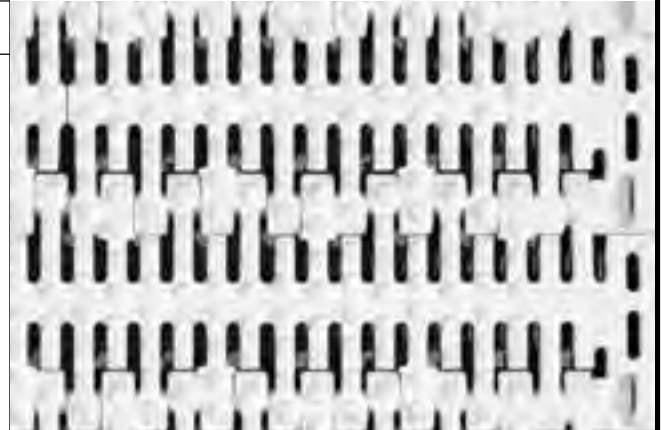
## Flush Grid Nub Top™

	in.	mm
Pitch	2.00	50.8
Minimum Width	4.6	117
Width Increments	0.66	16.8
Opening Size (approximate)	0.15 × 0.90	3.8 × 22.9
Open Area	27%	
Product Contact Area	15%	
Hinge Style	Open	
Drive Method	Center-driven	



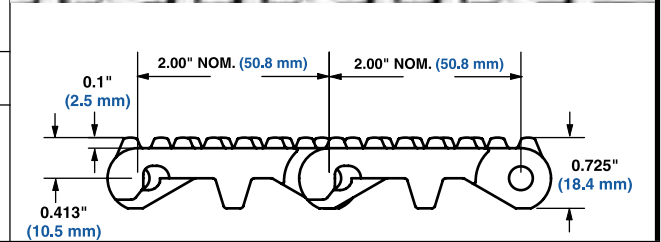
### Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Standard Nub indent is 1.3 inches (33 mm).
- Headless rod retention system allows re-use of rods.
- Nub pattern reduces contact between belt surface and product.
- Can be fitted with Series 800 Flush Grid flights only.
- Manufactured in Acetal and Polypropylene.
- Recommended for products large enough to span the distance between the nubs.
- Nub pattern is continuous over the surface of the belt, even over the hinges.



### 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 0.24 in. (6.1 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 <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>	A <sup>c</sup>	J <sup>d</sup>	Z <sup>e</sup>	EU MC <sup>f</sup>
Polypropylene	Polypropylene	800	1190	34 to 220	1 to 104	1.56	7.62	•	1			3		•
Acetal	Polyethylene	1000	1490	-50 to 150	-46 to 66	2.36	11.52	•	1			3		•
Acetal	Polypropylene	1000	1490	34 to 200	1 to 93	2.36	11.52	•	1			3		•
Polyethylene	Polypropylene	500	750	-50 to 150	-46 to 66	1.85	9.03	•	3			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. 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.

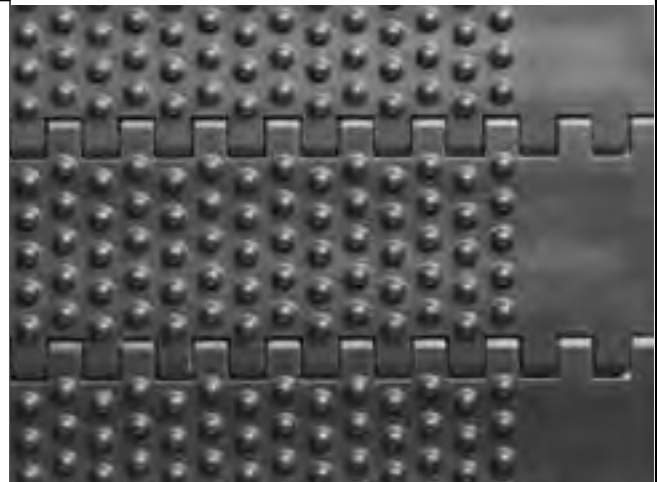
**SeamFree™ Open Hinge Nub Top™**

	in.	mm
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	0.66	16.8
Opening Sizes (approx.)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-Driven	



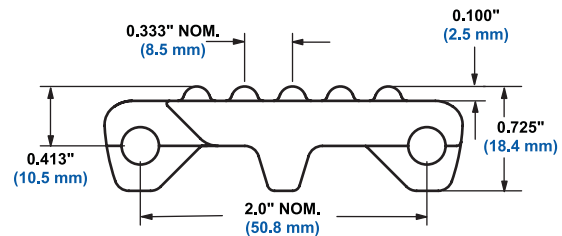
**Product Notes**

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.**
- Nub height is 0.100 in. (2.5 mm).
- Nub spacing is 0.333 in. (8.5 mm).
- Standard nub indent is 1.3 in. (33 mm).
- Closed upper surface with fully flush edges and recessed rods.
- Cam-link designed hinges expose more hinge and rod area as the belt goes around the sprocket. This exclusive Intralox feature allows unsurpassed cleaning access to this area.
- Fully sculpted and radiused corners - no pockets or sharp corners to catch and hold debris.
- Drive Bar - like Series 800 and Series 1800, the drive bar on the underside of Series 800 SeamFree Open Hinge Nub Top channels water and debris to the outside of the belt for easier, faster clean up. The drive bar's effectiveness has been proven both in-house and in field tests.
- Not recommended for back-up conditions. If values 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 0.24 in. (6.1 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/ft²	kg/m²	FDA (USA)	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>	A <sup>c</sup>	J <sup>d</sup>	EU MC <sup>e</sup>
Polypropylene	Polypropylene	900	1340	34 to 220	1 to 104	1.76	8.58	•	1			3	•
Polyethylene	Polyethylene	500	750	-50 to 150	-46 to 66	1.84	8.97	•	3			3	•
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.72	13.26	•	1			3	•


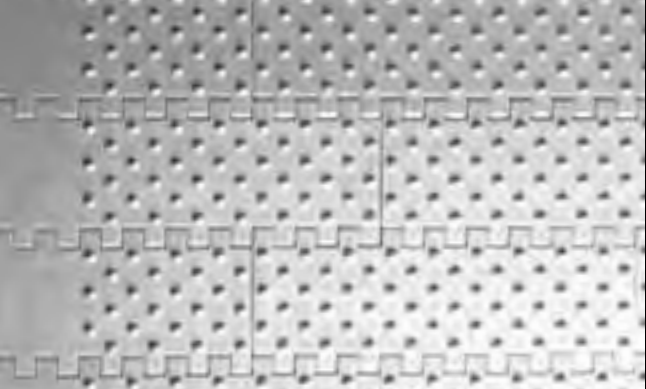
a. USDA Dairy acceptance requires the use of a clean-in-place-system.  
 b. Canada Food Inspection Agency  
 c. Australian Quarantine Inspection Service  
 d. Japan Ministry of Health, Labour, and Welfare  
 e. European Migration Certificate providing approval for food contact according to EU Directive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



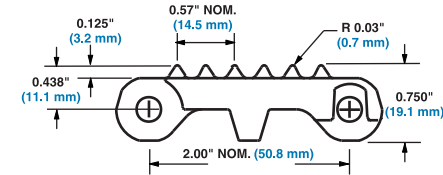
<b>Cone Top™</b>		
	in.	mm
Pitch	2.00	50.8
Minimum Width	4	102
Width Increments	0.66	16.8
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	

### Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Closed upper surface with fully flush edges and recessed rods.
- Standard Flights and Sideguards (without cones) are available.
- Cone standard indent is 1.3 in. (33 mm).
- Not recommended for back-up conditions. If values are required, contact Intralox Sales Engineering.

Additional Information
<ul style="list-style-type: none"> <li>See "Belt selection process" (page 5)</li> <li>See "Standard belt materials" (page 18)</li> <li>See "Special application belt materials" (page 18)</li> <li>See "Friction factors" (page 31)</li> </ul>



Belt Data															
Belt Material	Standard Rod Material Ø 0.24 in. (6.1 mm)	<b>BS</b> Belt Strength		Temperature Range (continuous)		<b>W</b> Belt Weight		Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey							
								lb/ft	kg/m	°F	°C	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA-FSIS - Meat & Poultry
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.84	13.89	•	•	1	•	•	•	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.

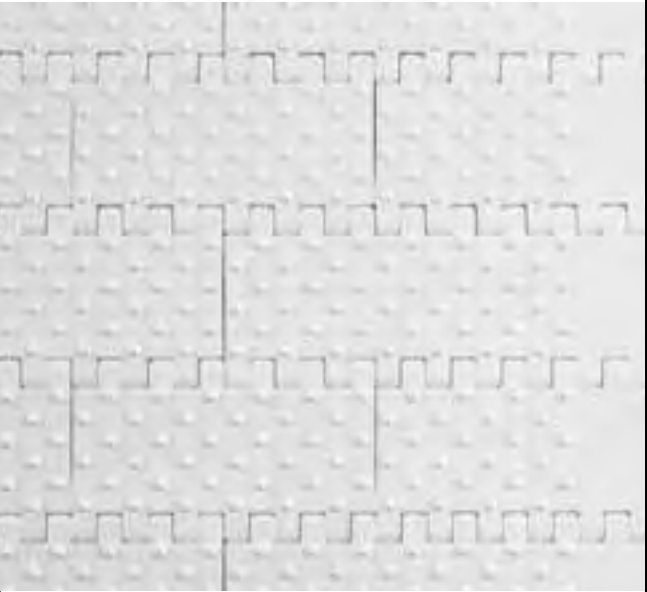
**Open Hinge Cone Top™**

	in.	mm
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	0.66	16.8
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	



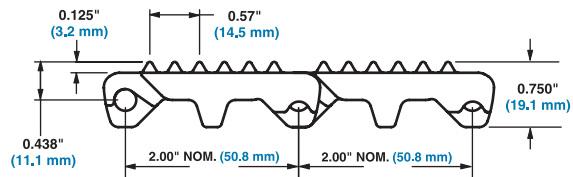
**Product Notes**

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.**
- Cone standard indent is 1.3" (33 mm).
- Closed upper surface with fully flush edges and recessed rods.
- Cam-link designed hinges - expose more hinge and rod area as the belt goes around the sprocket. This exclusive Intralox feature allows unsurpassed cleaning access to this area.
- Fully sculpted and radiused corners - no pockets or sharp corners to catch and hold debris.
- Drive Bar - like Series 800 and Series 1800, the drive bar on the underside of Series 800 Open Hinge Cone Top channels water and debris to the outside of the belt for easier, faster clean up. The drive bar's effectiveness has been proven both in-house and in field tests.
- Standard flights and sideguards (without cones) are available.
- Not recommended for back-up conditions. If values 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 0.24 in. (6.1 mm)	<b>BS</b> Belt Strength	Temperature Range (continuous)		<b>W</b> Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey									
			lb/ft	kg/m		°F	°C	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>	A <sup>c</sup>	J <sup>d</sup>	Z <sup>e</sup>
Polypropylene	Polypropylene	900	1340	34 to 220	1 to 104	1.63	7.96	•					3		•
Polyethylene	Polyethylene	500	740	-50 to 150	-46 to 66	1.70	8.30	•					3		•
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.52	12.3	•					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. MAF-New Zealand Ministry of Agriculture and Forestry. MAF acceptance requires the use of a clean-in-place system.  
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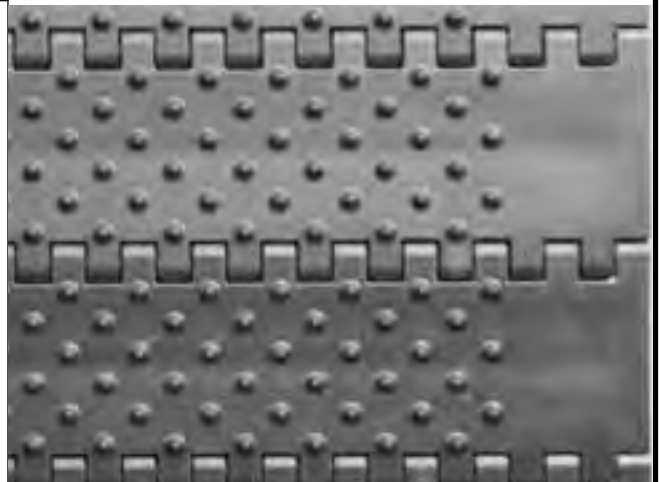
**SeamFree™ Open Hinge Cone Top™**

	in.	mm
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	0.66	16.8
Opening Sizes (approx.)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-Driven	



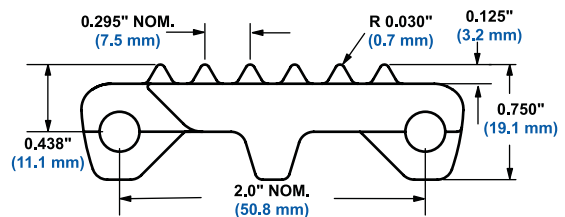
**Product Notes**

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.**
- Cone height is 0.125 in. (3.2 mm).
- Cone spacing is 0.295 in. (7.5 mm).
- Standard cone indent is 1.3 in. (33 mm).
- Closed upper surface with fully flush edges and recessed rods.
- Cam-link designed hinges expose more hinge and rod area as the belt goes around the sprocket. This exclusive Intralox feature allows unsurpassed cleaning access to this area.
- Fully sculpted and radiused corners - no pockets or sharp corners to catch and hold debris.
- Drive Bar - like Series 800 and Series 1800, the drive bar on the underside of Series 800 SeamFree Open Hinge Cone Top channels water and debris to the outside of the belt for easier, faster clean up. The drive bar's effectiveness has been proven both in-house and in field tests.
- Not recommended for back-up conditions. If values 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)


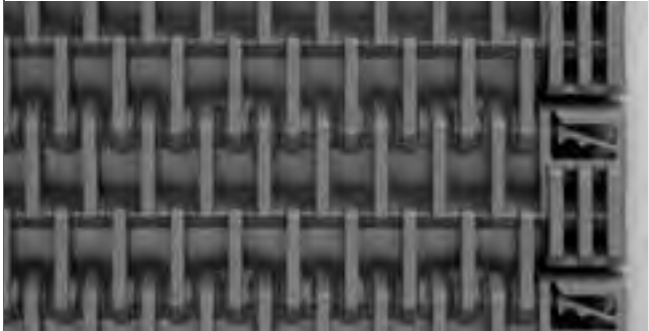
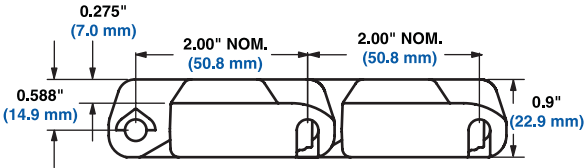


**Belt Data**

Belt Material	Standard Rod Material Ø 0.24 in. (6.1 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 <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>	A <sup>c</sup>	J <sup>d</sup>	EU MC <sup>e</sup>
Polypropylene	Polypropylene	900	1340	34 to 220	1 to 104	1.70	8.29	•	1			3	•
Polyethylene	Polyethylene	500	750	-50 to 150	-46 to 66	1.76	8.58	•	3			3	•
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.61	12.72	•	1			3	•

a. USDA Dairy acceptance requires the use of a clean-in-place-system.  
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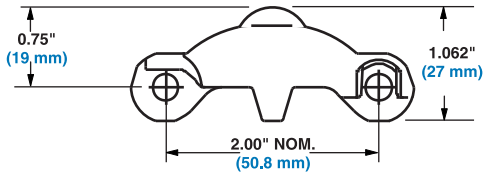
<b>Raised Rib</b>		
	in.	mm
Pitch	2.00	50.8
Minimum Width	18	457
Width Increments	2.00	50.8
Opening Sizes (approx.)	0.51 x 0.49	12.9 x 12.4
Open Area	40%	
Hinge Style	Open	
Drive Method	Center-Driven	
<b>Product Notes</b>		
<ul style="list-style-type: none"> <li>• <b>Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.</b></li> <li>• Raised Ribs extend 0.275 in. (7.0 mm) above basic module with fully flush edges.</li> <li>• Open slots improve drainage and cleanability.</li> <li>• Finger transfer plates are available.</li> <li>• Fully compatible with Series 800 EZ Clean Angled Sprockets.</li> <li>• Cam-link design hinges provide easy cleaning with greater hinge and rod exposure as the belt moves around the sprockets.</li> <li>• Uses a patented edge headless rod retention system.</li> </ul>		
<b>Additional Information</b>		
<ul style="list-style-type: none"> <li>• See “Belt selection process” (page 5)</li> <li>• See “Standard belt materials” (page 18)</li> <li>• See “Special application belt materials” (page 18)</li> <li>• See “Friction factors” (page 31)</li> </ul>		

<b>Belt Data</b>															
Belt Material	Standard Rod Material Ø 0.24 in. (6.1 mm)	<b>BS</b>	Belt Strength	Temperature Range (continuous)		<b>W</b>	Belt Weight	Agency Acceptability 1-White, 2-Blue, 3-Natural, 4-Grey							
				lb/ft	kg/m			°F	°C	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>	A <sup>c</sup>
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.48	7.23	•					3		
Enduralox PP	Polypropylene	1000	1490	34 to 220	1 to 104	1.48	7.23	•							

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.

<b>Roller Top™</b>		
	in.	mm
Pitch	2.00	50.8
Minimum Width	See Product Notes	
Width Increments		
Opening Size (approximate)	-	-
Open Area	3%	
Hinge Style	Open	
Drive Method	Center-driven	
<b>Product Notes</b>		
<ul style="list-style-type: none"> <li>• <b>Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.</b></li> <li>• Fully flush edges and recessed rods.</li> <li>• Impact resistant belt designed for tough box and package, low back pressure applications.</li> <li>• Back-up load is 5-10% of product weight.</li> <li>• Roller diameter - 0.70 in. (17.8 mm). Roller length - 0.825 in. (20.9 mm).</li> <li>• Roller spacing - 2.0 in. (50.8 mm).</li> <li>• Standard roller indent is 0.60 in. (15 mm)</li> <li>• Custom-built in widths of 4 in. (102 mm) and 6 in. (152 mm) and from 10 in. (254 mm) and up in 2.00 in. (50.8 mm) increments.</li> </ul>		
<b>Additional Information</b>		
<ul style="list-style-type: none"> <li>• See “Belt selection process” (page 5)</li> <li>• See “Standard belt materials” (page 18)</li> <li>• See “Special application belt materials” (page 18)</li> <li>• See “Friction factors” (page 31)</li> </ul>		

<b>Belt Data</b>															
Belt Material	Standard Rod Material Ø 0.24 in. (6.1 mm)	<b>BS</b> Belt Strength	Temperature Range (continuous)		<b>W</b> Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey									
			lb/ft	kg/m		°F	°C	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>	A <sup>c</sup>	J <sup>d</sup>	Z <sup>e</sup>
Polypropylene	Polypropylene	1000	1490	34 to 200	1 to 93	2.93	14.34	•					3		•
Polyethylene	Polyethylene	500	750	-50 to 150	-46 to 66	2.99	14.62	•					3		•
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	4.11	20.10	•					3		•



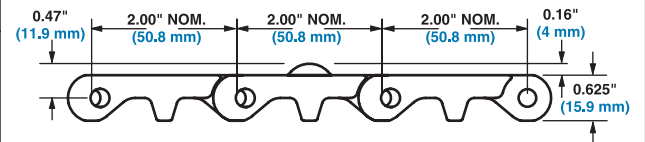
a. USDA Dairy acceptance requires the use of a clean-in-place-system.  
 b. Canada Food Inspection Agency  
 c. Australian Quarantine Inspection Service  
 d. Japan Ministry of Health, Labour, and Welfare  
 e. MAF-New Zealand Ministry of Agriculture and Forestry. MAF acceptance requires the use of a 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.



Rounded Friction Top		
	in.	mm
Pitch	2.00	50.8
Minimum Width	8	203
Width Increments	0.66	16.8
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.**
- No mistracking or "stick-slip" effect, even on long runs: The Intralox belt is positively tracked by Intralox's sprocket drive system instead of unreliable friction rollers.
- Thermally bonded rubber won't peel off: Only Intralox's Friction Top surface is co-molded (thermally bonded) with the plastic base instead of glued on or mechanically fastened. The Rounded Friction Top module is black rubber on a white PP composite base module.
- No ice clogging: ice simply pops out of the Intralox belt hinges as the belt travels around the drive sprockets.
- Easy to maintain and repair: Intralox's re-usable headless belt rods are quickly removed and installed with only minimal tools, so one can replace individual modules in minutes.
- No tensioning required, which eliminates expensive tensioning systems.
- Lower construction cost: Intralox's sprocket drive requires far less space than a friction roller system, allowing shallow, less expensive trench construction.
- Lower wearstrip replacement cost: Flat Top edge modules prevent premature wearstrip erosion-the smooth surface spans 38.1 mm (1.5") from the outer edge.

Additional Information		
<ul style="list-style-type: none"> <li>• See "Belt selection process" (page 5)</li> <li>• See "Standard belt materials" (page 18)</li> <li>• See "Special application belt materials" (page 18)</li> <li>• See "Friction factors" (page 31)</li> </ul>		

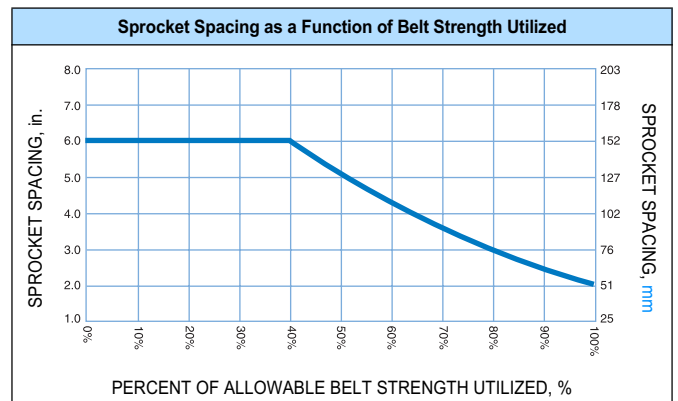
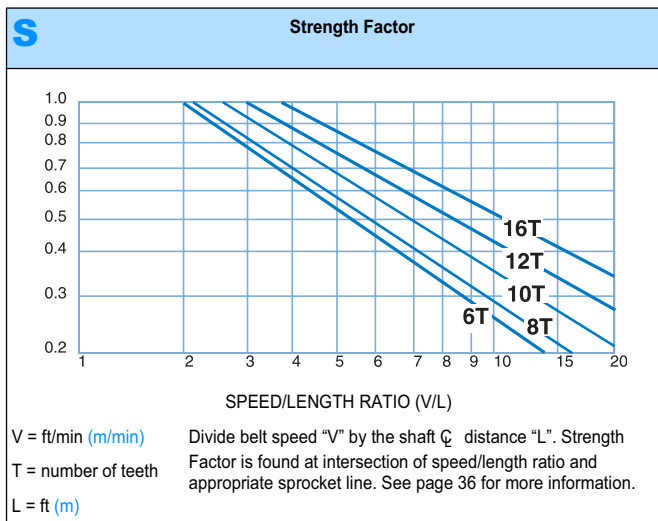
Belt Data																
Belt Material	Standard Rod Material Ø 0.24 in. (6.1 mm)	<b>BS</b> Belt Strength	Temperature Range (continuous)		<b>W</b> Belt Weight	Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey										
			lb/ft	kg/m		°F	°C	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	FDA (USA)	USDA Dairy <sup>a</sup>	CFA <sup>b</sup>	A <sup>c</sup>	J <sup>d</sup>	Z <sup>e</sup>	EU MC <sup>f</sup>
UV Resistant Acetal	Acetal	2500	3713	-50 to 150	-46 to 66	2.78	13.59									

- 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.

### Sprocket and Support Quantity Reference

Belt Width Range <sup>a</sup>		Minimum Number of Sprockets Per Shaft <sup>b</sup>	Wearstrips	
in.	mm		Carryway	Returnway
2	51	1	2	2
4	102	1	2	2
6	152	2	2	2
8	203	2	2	2
10	254	2	3	2
12	305	3	3	2
14	356	3	3	3
16	406	3	3	3
18	457	3	3	3
20	508	5	4	3
24	610	5	4	3
30	762	5	5	4
32	813	7	5	4
36	914	7	5	4
42	1067	7	6	5
48	1219	9	7	5
54	1372	9	7	6
60	1524	11	8	6
72	1829	13	9	7
84	2134	15	11	8
96	2438	17	12	9
120	3048	21	15	11
144	3658	25	17	13
For Other Widths, Use Odd Number of Sprockets <sup>c</sup> at Maximum 6 in. (152 mm) $\varnothing$ Spacing			Maximum 9 in. (229 mm) $\varnothing$ Spacing	Maximum 12 in. (305 mm) $\varnothing$ Spacing

- 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 0.66 in. (16.8 mm) increments beginning with minimum width of 2 in. (51 mm). **If the actual width is critical, consult Customer Service.**
- These are the minimum number of sprockets. Additional sprockets may be required for heavily loaded applications. Polyurethane sprockets require a maximum 4 in. (102 mm) centerline spacing.
- 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.



**EZ Clean Molded Sprocket Data<sup>a</sup>**

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. <sup>b</sup>	Square in.	Round mm <sup>b</sup>	Square mm
6 (13.40%)	4.0	102	3.8	97	1.5	38	1.0	1.5	30	40
8 (7.61%)	5.2	132	5.0	127	1.5	38	1.0	1.5	30	40
10 (4.89%)	6.5	165	6.2	157	1.5	38		1.5		40
12 (3.41%)	7.7	196	7.5	191	1.5	38		1.5		40
16 (1.92%)	10.3	262	10.1	257	1.5	38		1.5		40



- a. Contact Customer Service for lead times. When using Polyurethane sprockets, the Belt Strength for belts rated over 750 lb/ft (1120 kg/m) will be de-rated to 750 lb/ft (1120 kg/m) and 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. Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885

**Ultra Abrasion Resistant Split Polyurethane Sprocket Data<sup>a</sup>**

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. <sup>b</sup>	Square in.	Round mm <sup>b</sup>	Square mm
10 (4.89%)	6.5	165	6.2	157	1.5	38		1.5		40
12 (3.41%)	7.7	196	7.5	191	1.5	38		1.5		40
								2.5		60
16 (1.92%)	10.3	262	10.1	257	1.5	38		1.5		40
								2.5		60



- a. Contact Customer Service for lead times. When using Polyurethane sprockets, the Belt Strength for belts rated over 750 lb/ft (1120 kg/m) will be de-rated to 750 lb/ft (1120 kg/m) and 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. These sprockets are FDA approved.
- 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

**Molded Sprocket Data<sup>a</sup>**

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
8 (7.61%)	5.2	132	5.0	127	1.5	38		1.5		40
10 (4.89%)	6.5	165	6.2	157	1.5	38		1.5		40
								2.0		
								2.5		60
12 (3.41%)	7.7	196	7.5	191	1.5	38		1.5		40
								2.5		60
16 (1.92%)	10.3	262	10.1	257	1.5	38		1.5		40
								2.5		60



- a. Contact Customer Service for lead times. When using Polyurethane sprockets, the Belt Strength for belts rated over 750 lb/ft (1120 kg/m) will be de-rated to 750 lb/ft (1120 kg/m) and 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.

### Abrasion Resistant Split Sprocket Data<sup>a</sup>

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. <sup>b</sup>	Nom. Hub Width mm <sup>b</sup>	Available Bore Sizes			
							U.S. Sizes		Metric Sizes	
							Round in.	Square in.	Round mm	Square mm
8 (7.61%)	5.2	132	5.0	127	1.7	43		1.5		40
								2.5		60
10 (4.89%)	6.5	165	6.2	157	1.7	43		1.5		40
								2.5		60
12 (3.41%)	7.7	196	7.5	191	1.7	43		1.5		40
								2.5		60
16 (1.92%)	10.3	262	10.1	257	1.7	43		1.5		40
								2.5		60



- a. Contact Customer Service for lead times.
- b. Single Plate split sprockets are available with a 1.5in. (38mm) hub width. These sprockets are NOT recommended in abrasive applications

### Angled EZ Clean Sprocket Data<sup>a</sup>

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
6 (13.40%)	4.0	102	3.8	97	2.0	50.8		1.5		40
8 (7.61%)	5.2	132	5.0	127	2.0	50.8		1.5		40
10 (4.89%)	6.5	165	6.2	157	2.0	50.8		1.5		40
12 (3.41%)	7.7	196	7.5	191	2.0	50.8		1.5		40
16 (1.92%)	10.3	262	10.1	257	2.0	50.8		1.5		40
								2.5		60



- a. Contact Customer Service for lead times. Angled EZ Clean Sprockets can not be used with Series 800 Mesh Top

### Streamline Flights<sup>a</sup>

Available Flight Height		Available Materials
in.	mm	
1	25	Polypropylene, Polyethylene, Acetal, Nylon, Detectable Polypropylene <sup>b</sup>
2	51	
3	76	
4	102	
6	152	

**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 1.3 in. (33 mm).  
**Note:** An extension can be welded at a 45° angle to create a bent flight.



- a. Contact Customer Service for availability.
- 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 Flight (No-Cling)**

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

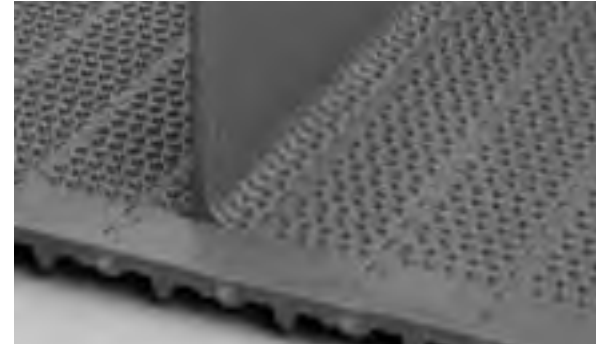
**Note:** Flights can be cut down to any height required for a particular application.  
**Note:** Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.  
**Note:** The minimum indent (without sideguards) is 1.3 in. (33 mm).



**Nub Top Base Flight (Double No-Cling)**

Available Flight Height		Available Materials
in.	mm	
4	102	Polypropylene, Polyethylene, 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 1.3 in. (33 mm).



**Flush Grid Base Flight (No-Cling)**

Available Flight Height		Available Materials
in.	mm	
2	51	Polypropylene, Polyethylene, Acetal
4	102	

**Note:** Flights can be cut down to any height required for a particular application.  
**Note:** The No-Cling vertical ribs are on both sides of the flight.  
**Note:** Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.  
**Note:** The minimum indent (without sideguards) is 1.3 in. (33 mm).  
**Note:** These flights cannot be used with the S800 Perforated Flat Top (Slotted version with 18% open area).



**Scoop Flights<sup>a</sup>**

Available Flight Height		Available Materials
in.	mm	
3	76	Polypropylene, Polyethylene, Acetal, Nylon, Detectable Polypropylene <sup>b</sup>
4	102	
6	152	

**Note:** Each flight rises out of its supporting module, molded as an integral part. No fasteners are required.  
**Note:** The minimum indent (without sideguards) is 1.3 in. (33 mm).  
**Note:** Bucket flights and Scoop flights can be cut and combined for custom built belts. Contact Customer Service for details.



a. Contact Customer Service for availability.  
 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.



### Bucket Flights<sup>a</sup>

Available Flight Height		Available Materials
in.	mm	
2.25 <sup>b</sup>	57 <sup>b</sup>	Polypropylene, Polyethylene, Acetal, Detectable Polypropylene <sup>c</sup>
3	76	
4	102	
6	152	

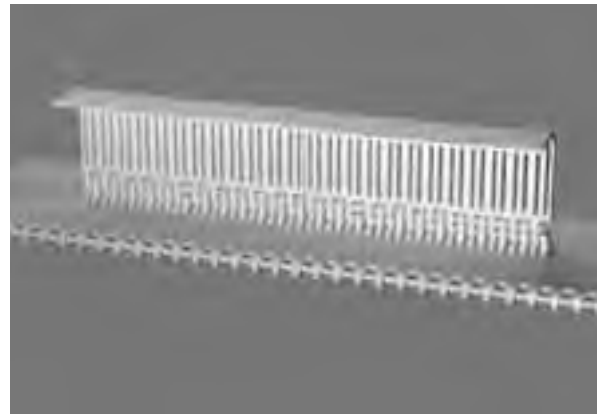


**Note:** Each flight rises out of its supporting module, molded as an integral part. No fasteners are required.  
**Note:** The minimum indent (without sideguards) is 1.3 in. (33 mm).  
**Note:** Bucket flights and Scoop flights can be cut and combined for custom built belts. Contact Customer Service for details.

- a. Contact Customer Service for availability.
- b. 2.25in. (57m) Bucket Flight only available in Polypropylene.
- c. 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.

### 3-Piece Perforated Bucket and Scoop Flights

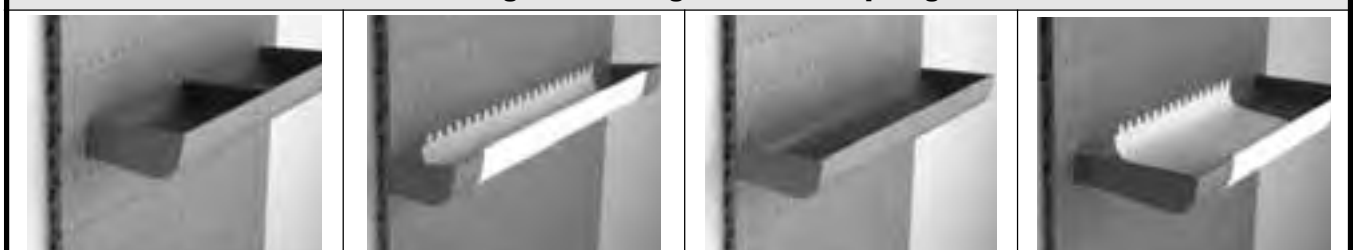
Available Flight Height		Available Materials
in.	mm	
4	102	Polypropylene, Polyethylene <sup>a</sup> , Acetal <sup>a</sup>



**Note:** Flights consist of 3 pieces: the base module, the attachment, and the rod.  
**Note:** Flight surface has 30% open area. Opening size (approximate) is 0.130 in. (3.3 mm) × 2.40 in. (70.0 mm).  
**Note:** Belt surface has 0% open area. Base Module is S800 Flat Top Open Hinge design.  
**Note:** Open slots improve drainage for inclines.  
**Note:** The minimum indent (without Sideguards) is 2.00 in. (50.8 mm).  
**Note:** Flights can be cut and combined for custom built belts. Contact Customer Service for details.  
**Note:** Not for use with S800 Perforated Flat Top (slotted version with 18% open area) and S800 Flush Grid Nub Top.  
**Note:** Bucket profile has a 0.27 in. (6.9 mm) gap between belt's top surface and bottom surface of bucket side panel.

- a. Contact Customer Service for availability.

### Combining Bucket Flights and Scoop Flights



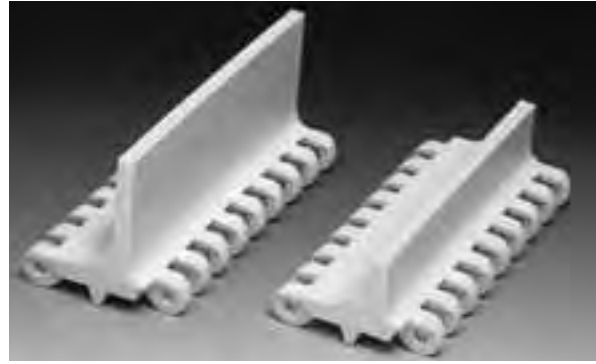
6 in. (152 mm) bucket flights with indent	3 in. (76 mm) bucket flight and scoop flights, no indent	4 in. (102 mm) bucket flight and scoop flights, no indent	6 in. (152 mm) bucket flight and scoop flights with indent
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**Note:** Bucket flights and Scoop flights can be cut and combined for custom built belts. Contact Customer Service for details.

**Impact Resistant Flights**

Available Flight Height		Available Materials
in.	mm	
1	25	Acetal
2	51	
3	76	
4	102	

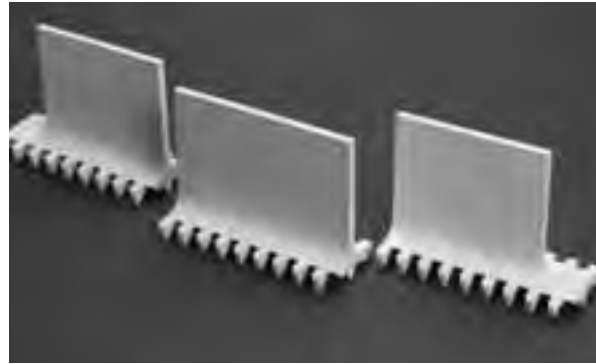
**Note:** Flights can be cut down to any height required for a particular application.  
**Note:** Each flight rises out of its supporting module, molded as an integral part. No fasteners are required.  
**Note:** The minimum indent (without sideguards) is 1.3 in. (33 mm).



**Open Hinge Impact Resistant Flights**

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

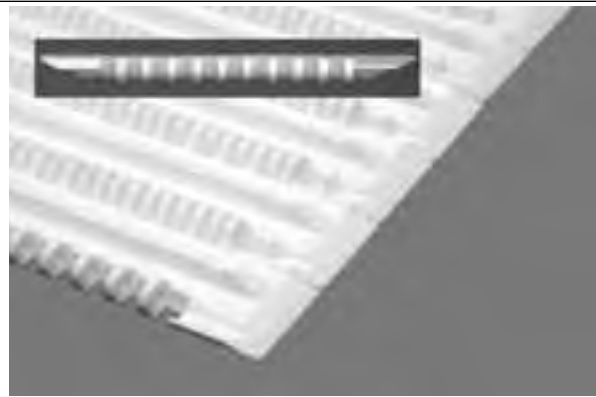
**Note:** Each flight rises out of the center of its supporting module. No fasteners are required.  
**Note:** The minimum indent (without sideguards) is 1.3 in. (33 mm)  
**Note:** Standard 4 in. (102 mm) height can be cut to suit application.



**Tapered Edge**

Available Materials
Polypropylene, Acetal

**Note:** Compatible with Series 800 Flat Top and Series 800 Mesh Top  
**Note:** Designed to accept headed plastic rods  
**Note:** Steel rods will be retained with plastic rodlets



## Sideguards

Available Sizes		Available Materials
in.	mm	
2	51	Polypropylene, Polyethylene, Acetal, Detectable Polypropylene <sup>a</sup>
3	76	
4	102	



**Note:** Standard overlapping design and are an integral part of the belt, with no fasteners required.

**Note:** Fastened by the hinge rods.

**Note:** The normal gap between the sideguards and the edge of a flight is 0.3 in. (8 mm).

**Note:** When going around the 6 and 8 tooth sprocket, the sideguards will fan out, opening a gap at the top of the sideguard which may allow small products to fall out. The sideguards stay completely closed when going around the 10, 12 and 16 tooth sprockets.

**Note:** The minimum indent is 0.7 in. (18 mm) except for Flush Grid which is 1.3 in. (33 mm).

**Note:** Detectable Polypropylene is only available in 2 in. (51 mm) and 4 in. (102 mm).

- a. 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.

## Molded-in Sideguards

Available Sizes		Available Materials
in.	mm	
4	102	Polypropylene, Polyethylene, Acetal, Detectable Polypropylene <sup>a</sup>



**Note:** Molded as an integral part of the belt, with no fasteners required.

**Note:** Part of Intralox's EZ Clean product line.

**Note:** Standard 4 in. (102 mm) height can be cut to suit application.

**Note:** Overlapping sideguards open fully when wrapping around sprocket, allowing greater access during cleaning. Sideguards will open partially on forward bends of elevating conveyors.

**Note:** The indent is 1.3 in (33 mm).

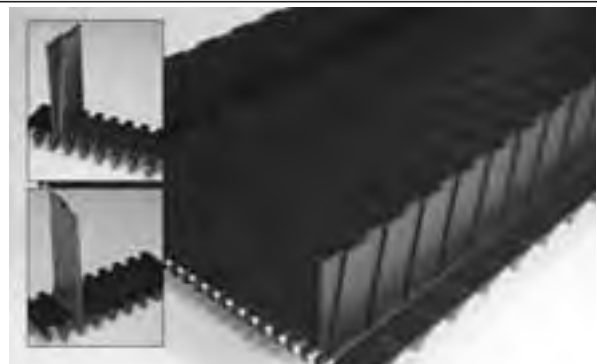
**Note:** The minimum backbend radius is 10 in. (254 mm).

**Note:** Sideguards can be spliced into all Series 800 Belt Styles, except Series 800 Perforated Flat Top (18% open Area) and Series 800 Flush Grid Nub Top.

- a. 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.

## Nub Top Molded-in Sideguards

Available Sizes		Available Materials
in.	mm	
4	102	Acetal, Polypropylene



**Note:** Molded as an integral part of the belt, with no fasteners required.

**Note:** Part of Intralox's EZ Clean product line.

**Note:** Standard 4 in. (102 mm) height can be cut to suit application.

**Note:** Nub Top™ design and No Cling rib feature provide a non-stick conveying surface that delivers superior product release and cleanability.

**Note:** Overlapping sideguards open fully when wrapping around sprocket, allowing greater access during cleaning. Sideguards will open partially on forward bends of elevating conveyors.

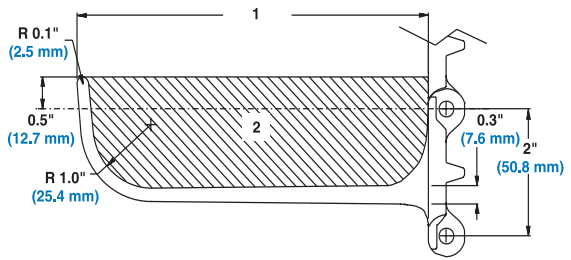
**Note:** The indent is 1.3 in (33 mm).

**Note:** The minimum backbend radius is 10 in. (254 mm).

**Note:** Sideguards can be spliced into all Series 800 Belt Styles, except Series 800 Perforated Flat Top (18% open Area) and Series 800 Flush Grid Nub Top.

**Scoop/Bucket Flight Cross Sectional Area for Vertical Incline**

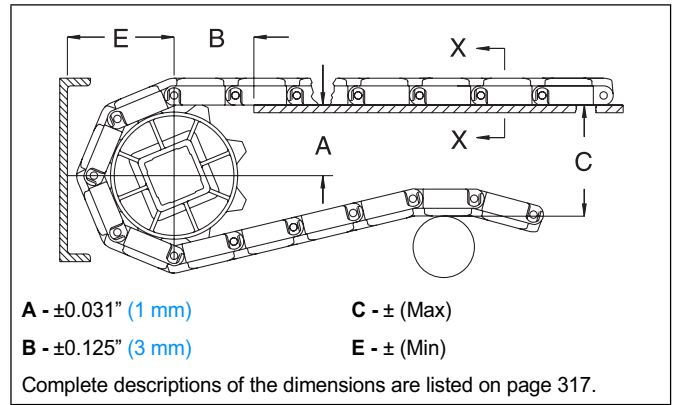
in.	mm	sq. in.	sq. mm	<b>Note:</b> Minimum row spacing is 6 in. (152 mm) for 6 in. (152 mm) Scoop/Buckets and 4 in. (102 mm) for all other sizes.
<b>Scoop Height</b>		<b>Area</b>		
3	76	4.3	2774	
4	102	6.0	3871	
6	152	9.5	6129	
<b>Bucket Height</b>		<b>Area</b>		
2.25	57	2.3	1484	
3.00	76	3.31	2135	
4.00	102	4.68	3019	
6.00	152	7.45	4806	
				<b>1 - Height</b> <span style="margin-left: 200px;"><b>2 - Area</b></span>



**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						
<b>SERIES 800 FLAT TOP, OPEN HINGE FLAT TOP, SEAMFREE™ OPEN HINGE FLAT TOP, TOUGH FLAT TOP, PERFORATED FLAT TOP (ALL STYLES), FLUSH GRID, MESH TOP</b>										
4.0	102	6	1.42-1.69	36-43	1.73	44	4.00	102	2.38	60
5.2	132	8	2.09-2.29	53-58	2.00	51	5.20	132	2.98	76
6.5	165	10	2.78-2.94	71-75	2.16	55	6.50	165	3.63	92
7.7	196	12	3.41-3.54	87-90	2.45	62	7.70	196	4.23	107
10.3	262	16	4.74-4.84	120-123	2.84	72	10.30	262	5.53	140
<b>SERIES 800 MINI RIB</b>										
4.0	102	6	1.42-1.69	36-43	1.73	44	4.13	105	2.50	64
5.2	132	8	2.09-2.29	53-58	2.00	51	5.33	135	3.10	79
6.5	165	10	2.78-2.94	71-75	2.16	55	6.63	168	3.75	95
7.7	196	12	3.41-3.54	87-90	2.45	62	7.83	199	4.35	110
10.3	262	16	4.74-4.84	120-123	2.84	72	10.43	265	5.65	144
<b>SERIES 800 NUB TOP, FLUSH GRID NUB TOP, SEAMFREE™ OPEN HINGE NUB TOP</b>										
4.0	102	6	1.42-1.69	36-43	1.73	44	4.10	104	2.48	63
5.2	132	8	2.10-2.30	53-58	1.98	50	5.33	135	3.09	78
6.5	165	10	2.77-2.92	70-74	2.18	55	6.57	167	3.71	94
7.7	196	12	3.42-3.55	87-90	2.43	62	7.83	199	4.34	110
10.3	262	16	4.72-4.81	120-122	2.88	73	10.35	263	5.60	142
<b>SERIES 800 CONE TOP, OPEN HINGE CONE TOP, SEAMFREE™ OPEN HINGE CONE TOP</b>										
4.0	102	6	1.42-1.69	36-43	1.73	44	4.13	105	2.50	64
5.2	132	8	2.10-2.30	53-58	1.98	50	5.35	136	3.11	79
6.5	165	10	2.77-2.92	70-74	2.18	55	6.60	168	3.74	95
7.7	196	12	3.42-3.55	87-90	2.43	62	7.85	199	4.36	111
10.3	262	16	4.72-4.81	120-122	2.88	73	10.38	264	5.63	143
<b>SERIES 800 ROLLER TOP</b>										
4.0	102	6	1.42-1.69	36-43	1.73	44	4.44	113	2.81	71
5.2	132	8	2.10-2.30	53-58	1.98	50	5.66	144	3.43	87
6.5	165	10	2.77-2.92	70-74	2.18	55	6.91	176	4.05	103

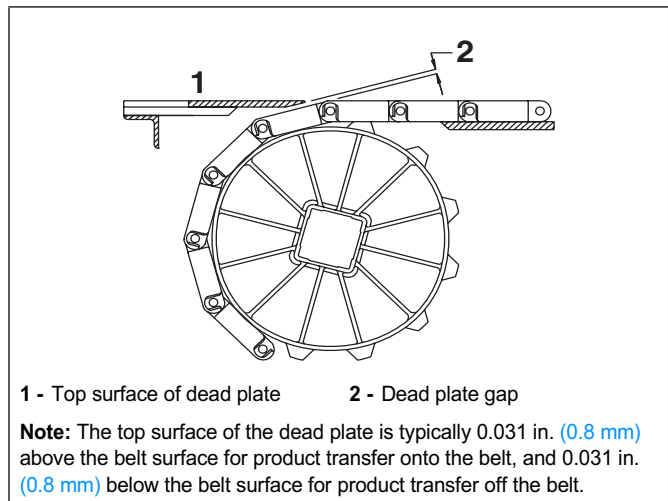


Sprocket Description		A		B		C		E		
Pitch Diameter		No. Teeth	Range (Bottom to Top)		in.	mm	in.	mm	in.	mm
in.	mm		in.	mm						
7.7	196	12	3.42-3.55	87-90	2.43	62	8.17	207	4.68	119
10.3	262	16	4.72-4.81	120-122	2.88	73	10.69	272	5.94	151
<b>SERIES 800 RAISED RIB</b>										
4.0	102	6	1.42-1.69	36-43	1.73	44	4.28	109	2.65	67
5.2	132	8	2.09-2.29	53-58	2.00	51	5.48	139	3.25	83
6.5	165	10	2.78-2.94	71-75	2.16	55	6.78	172	3.90	99
7.7	196	12	3.41-3.54	87-90	2.45	62	7.98	203	4.50	114
10.3	262	16	4.74-4.84	120-123	2.84	72	10.58	269	5.80	147
<b>SERIES 800 ROUND FRICTION TOP</b>										
4.0	102	6	1.42-1.69	36-43	1.74	44	4.16	106	2.53	64
5.2	132	8	2.09-2.29	53-58	2.00	51	5.36	136	3.13	80
6.5	165	10	2.78-2.94	71-75	2.17	55	6.66	169	3.78	96
7.7	196	12	3.40-3.54	86-90	2.45	62	7.86	200	4.38	111
10.3	262	16	4.74-4.84	120-123	2.84	72	10.46	266	5.68	144

### 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 tipping problems for sensitive containers or products.



Sprocket Description			Gap	
Pitch Diameter		No. Teeth	in.	mm
in.	mm			
4.0	102	6	0.268	6.8
5.2	132	8	0.200	5.1
6.5	165	10	0.158	4.0
7.7	196	12	0.132	3.4
10.3	262	16	0.098	2.5

