


Open Grid		
	in.	mm
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.36	9.1
Opening Size (approximate)	0.23 × 0.48	5.8 × 12.3
Open Area	33%	
Hinge Style	Closed	
Drive Method	Hinge-driven	

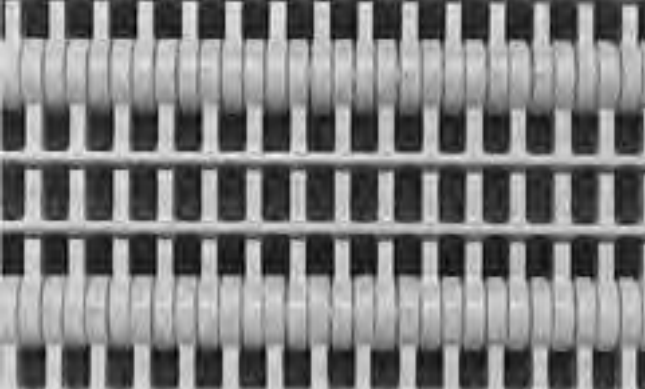
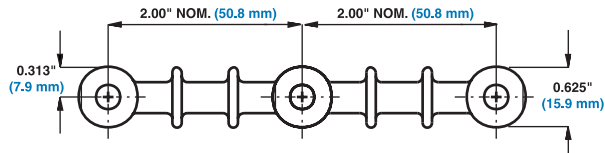


Product Notes

- 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 assist in moving products up or down inclines.
- Flights and sideguards are available.
- Large, open area allows excellent drainage.
- Series 200 Open Grid has double-headed hinge rods so the belt edge is not fully flush.

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 0.240 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 ²	kg/m ²	FDA (USA)	USDA Dairy ^a	CFA ^b	A ^c
Polypropylene	Polypropylene	1400	2080	34 to 220	1 to 104	1.24	6.05	•						3	•
Polyethylene	Polyethylene	900	1340	-100 to 150	-73 to 66	1.26	6.15	•						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. 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.

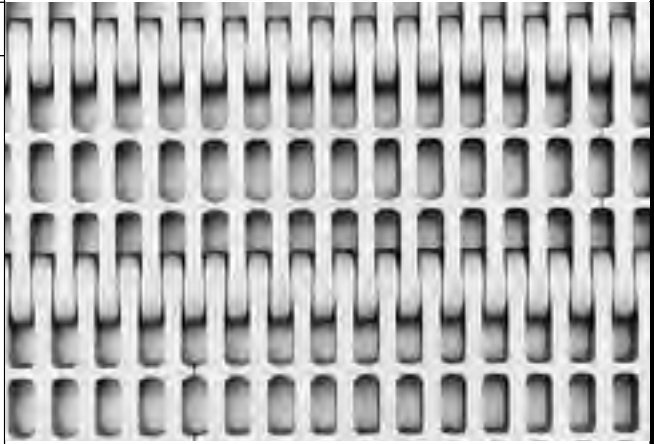
Flush Grid

	in.	mm
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.36	9.1
Opening Size (approximate)	0.22 × 0.49	5.5 × 12.5
Open Area	33%	
Hinge Style	Closed	
Drive Method	Hinge-driven	



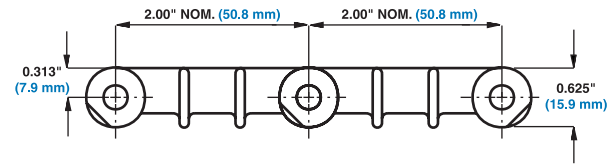
Product Notes

- Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.
- Flush grid pattern with smooth upper surface.
- Offers excellent lateral movement of containers.
- One of the strongest belt styles in Series 200.
- Flights and sideguards are available.
- For an alternative to Series 200 Flush Grid with more material selections, see Series 400, Series 900, Series 1100 and Series 2200 belt styles.
- Series 200 Flush Grid has double-headed hinge rods so the belt edge is not fully flush.



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 0.240 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 ²	kg/m ²	FDA (USA)	USDA Dairy ^a	CFA ^b	A ^c	J ^d	Z ^e	EU MC ^f	
Polypropylene	Polypropylene	1800	2680	34 to 220	1 to 104	1.40	6.83	•					3		•
Polyethylene	Polyethylene	1200	1790	-100 to 150	-73 to 66	1.44	7.03	•					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.

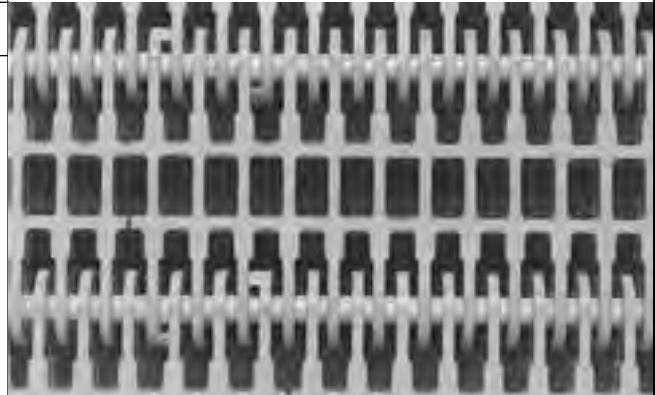
Open Hinge

	in.	mm
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.36	9.1
Opening Size (approximate)	0.26 × 0.48	6.7 × 12.3
Open Area	45%	
Hinge Style	Open	
Drive Method	Hinge-driven	



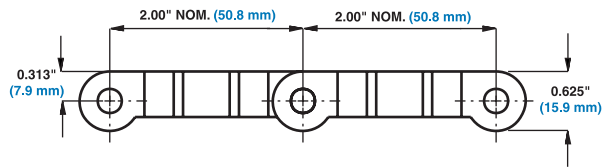
Product Notes

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.**
- Smooth surface and generous open area for food handling.
- Ideal where air cooling, washing or drying is required.
- Flights and sideguards are available.
- For stronger belt performance, see Series 400 Open Hinge.
- Series 200 Open Hinge has double-headed hinge rods so the belt edge is not fully flush.



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

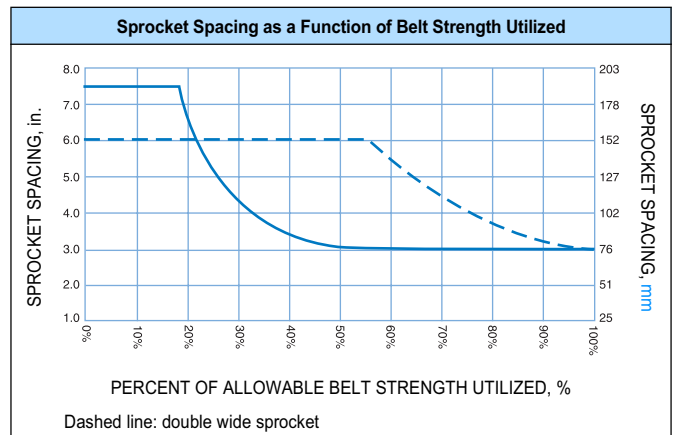
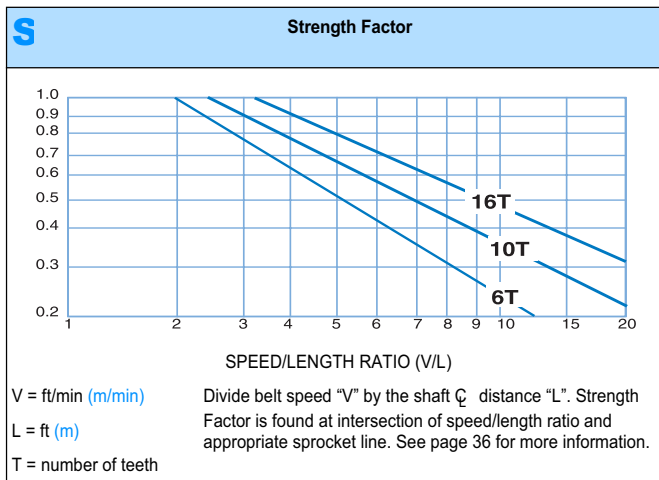
Belt Material	Standard Rod Material Ø 0.240 in. (6.1 mm)	BS Belt Strength		Temperature Range (continuous)		W Belt Weight		Agency Acceptability: 1=White, 2=Blue, 3=Natural, 4=Grey						
		lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA-FSIS - Meat & Poultry	USDA Dairy ^a	CFA ^b	A ^c	J ^d	EU MC ^e
Polypropylene	Polypropylene	300	450	34 to 220	1 to 104	1.04	5.08	•	•	1	•		3	•
Polyethylene	Polyethylene	200	300	-50 to 150	-46 to 66	1.12	5.47	•	•	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. 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

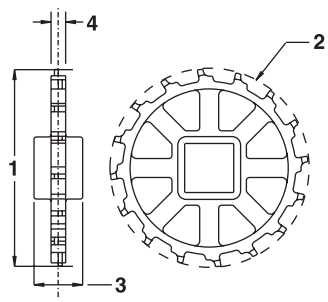
Belt Width Range ^a		Minimum Number of Sprockets Per Shaft ^b	Wearstrips	
in.	mm		Carryway	Returnway
2	51	1	2	2
4	102	1	2	2
6	152	2	2	2
7	178	2	2	2
8	203	2	2	2
10	254	2	3	2
12	305	3	3	2
14	356	3	3	3
15	381	3	3	3
16	406	3	3	3
18	457	3	3	3
20	508	3	4	3
24	610	5	4	3
30	762	5	5	4
32	813	5	5	4
36	914	5	5	4
42	1067	7	6	5
48	1219	7	7	5
54	1372	9	7	6
60	1524	9	8	6
72	1829	11	9	7
84	2134	13	11	8
96	2438	13	12	9
120	3048	17	15	11
144	3658	21	17	13
For Other Widths, Use Odd Number of Sprockets ^c at Maximum 7.5 in. (191 mm) \varnothing Spacing			Maximum 9 in. (229 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 0.36 in. (9.1 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

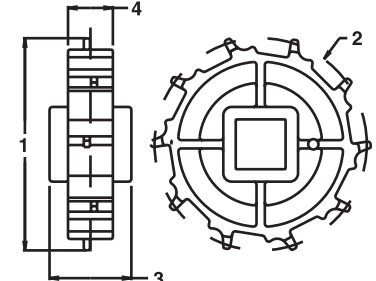
No. of Teeth (Chordal Action)	Nom. Pitch Dia. in.	Nom. Pitch Dia. mm	Nom. Outer Dia. in.	Nom. Outer Dia. mm	Nom. Hub Width in.	Nom. Hub Width mm	Available Bore Sizes			
							U.S. Sizes		Metric Sizes	
							Round in.	Square in.	Round mm	Square mm
6 (13.40%)	4.0	102	3.9	99	1.5	38		1.5		40
10 (4.89%)	6.4	163	6.4	163	2.5	64		1.5		40
								2.5		60
16 (1.92%)	10.1	257	10.3	262	2.5	64		1.5		40
								2.5		



1 - Pitch diameter
 2 - Outer diameter
 3 - Hub width
 4 - Rim thickness. Standard: 0,75" (19 mm)

Double Wide Rim Sprockets

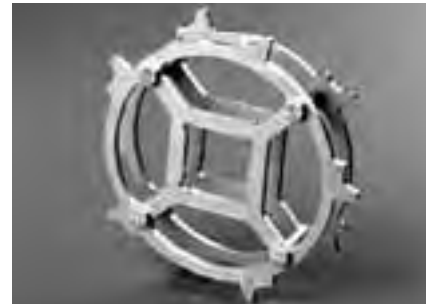
No. of Teeth (Chordal Action)	Nom. Pitch Dia. in.	Nom. Pitch Dia. mm	Nom. Outer Dia. in.	Nom. Outer Dia. mm	Nom. Hub Width in.	Nom. Hub Width mm	Available Bore Sizes			
							U.S. Sizes		Metric Sizes	
							Round in.	Square in.	Round mm	Square mm
10 (4.89%)	6.4	163	6.4	163	2.5	64		1.5		40



1 - Pitch diameter
 2 - Outer diameter
 3 - Hub width
 4 - Rim thickness. Double wide: 1.5" (38 mm)

Abrasion Resistant Sprockets

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
10 (4.89%)	6.4	163	6.4	163	1.1	28		1.5		40
								2.5		60
16 (1.92%)	10.1	257	10.3	262	1.1	28		1.5		40
								2.5		60
										65



Streamline Flights

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



Note: Each flight rises out of the center of its supporting Flat Top module, molded as an integral part. No fasteners are required.

Note: Can be enlarged to 6 in. (152 mm) high with a welded extension.

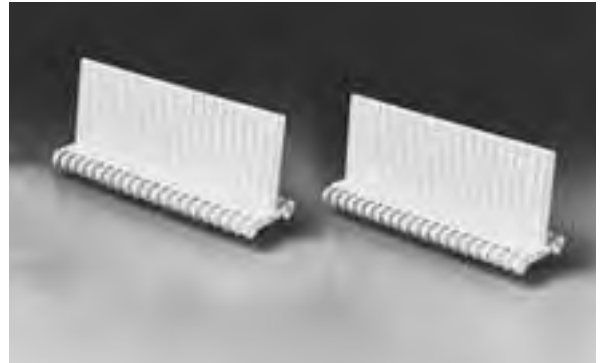
Note: An extension can be welded at a 45° angle to create a bent flight. Contact Customer Service for availability.

Note: The minimum indent (without sideguards) is 0.7 in. (18 mm).

Note: Flights can be cut down to any height required for a particular application.

Double No-Cling Flights

Available Flight Height		Available Materials
in.	mm	
3	76	Polypropylene, Polyethylene



Note: Each flight rises out of the center of its supporting Flat Top module, molded as an integral part. No fasteners are required.

Note: Vertically ribbed for product release.

Note: Can be enlarged to 6 in. (152 mm) high with a welded extension.

Note: An extension can be welded at a 45° angle to create a bent flight. Contact Customer Service for availability.

Note: The minimum indent (without sideguards) is 0.7 in. (18 mm).

Note: Flights can be cut down to any height required for a particular application.

Ribbed Flights

Available Flight Height		Available Materials
in.	mm	
1.25	32	Polypropylene, Polyethylene
3	76	



Note: Each flight rises out of Open Grid modules and have triangular shaped buttresses on the back side. No fasteners are required.

Note: Can be enlarged to 6 in. (152 mm) high with a welded extension.

Note: The minimum indent (without sideguards) is 0.7 in. (18 mm).

Note: Flights can be cut down to any height required for a particular application.

Sideguards

Available Sizes		Available Materials
in.	mm	
2	51	Polypropylene, Polyethylene
3	76	
4	102	



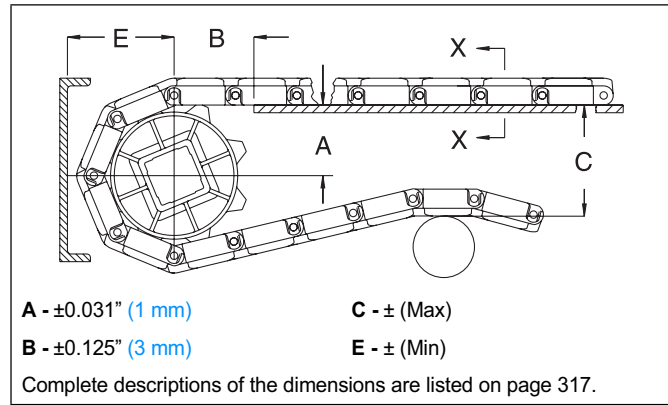
Note: The minimum indent is 0.7 in. (18 mm).

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

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.

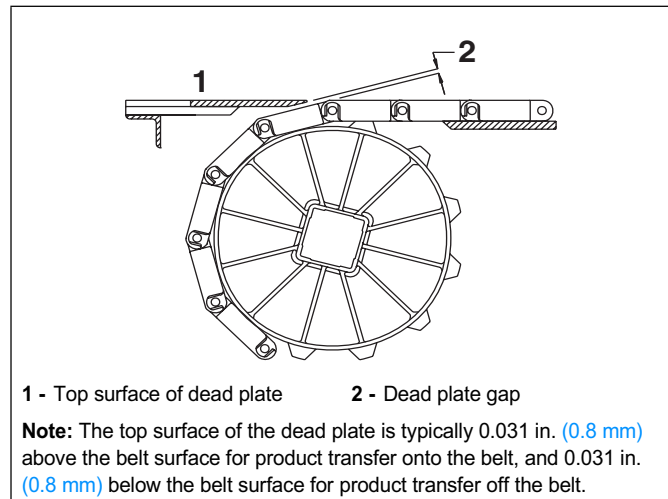


Sprocket Description			A		B		C		E	
Pitch Diameter		No. Teeth	Range (Bottom to Top)		in.	mm	in.	mm	in.	mm
in.	mm		in.	mm						
SERIES 200 FLUSH GRID, OPEN GRID, OPEN HINGE										
4.0	102	6	1.42-1.69	36-43	2.20	56	4.10	104	2.38	60
6.4	163	10	2.77-2.92	70-74	3.00	76	6.50	165	3.61	92
10.1	257	16	4.72-4.81	120-122	3.20	81	10.20	259	5.50	140

Dead Plate Gap

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

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



Sprocket Description			Gap	
Pitch Diameter		No. Teeth	in.	mm
in.	mm			
4.0	102	6	0.268	6.8
6.4	163	10	0.160	4.1
10.1	257	16	0.100	2.5

