
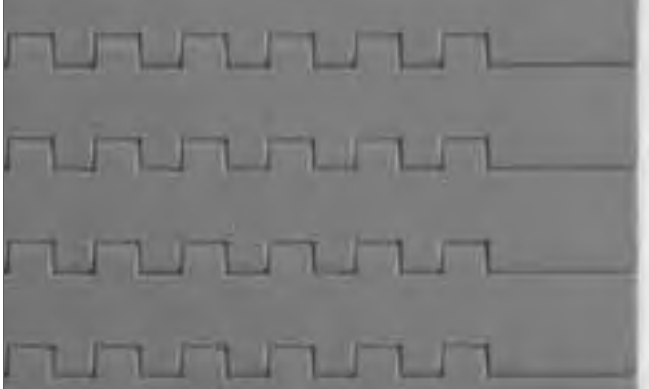
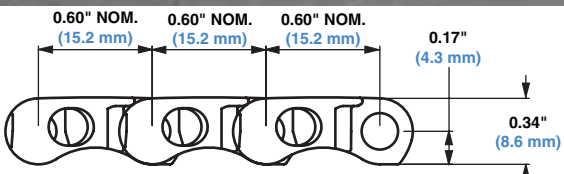


Flat Top		
	in.	mm
Pitch	0.60	15.2
Minimum Width	3	76
Width Increments	0.50	12.7
Opening Sizes (approx.)	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/Hinge-Driven	
Product Notes		
<ul style="list-style-type: none"> • Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt. • Smooth, closed upper surface with fully flush edges and recessed rods. • Underside design and small pitch allows the belt to run smoothly around nosebars. • Can be used over 0.75 in (19.1 mm) diameter nosebars for tight transfers. • Mini-pitch reduces chordal action and transfer dead plate gap. • Minimal back tension required. • Closed edges on one side of the belt. • Lug tooth sprockets improve sprocket engagement and make installation easier. 		
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						
		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
Acetal	Polypropylene	1500	2232	34 to 200	1 to 93	1.55	7.57	•				3		
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.07	5.22	•				3		
Polyethylene	Polyethylene	600	893	-50 to 150	-46 to 66	1.11	5.42	•				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.

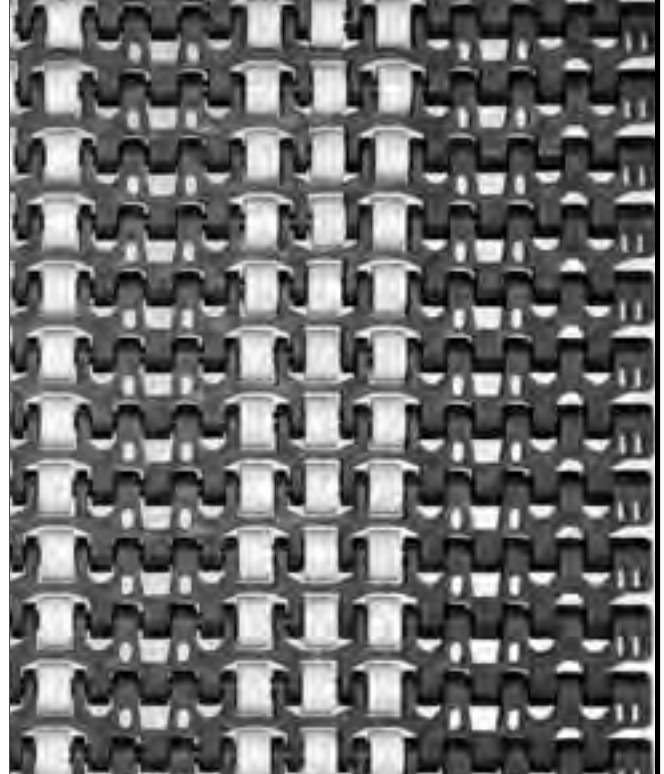
Insert Roller

	in.	mm
Pitch	0.60	15.2
Minimum Width	6	152
Width Increments	3.00	76
Opening Sizes (approx.)	0.24 x 0.24	6.1 x 6.1
Open Area	12.5%	
Hinge Style	Closed	
Drive Method	Center/Hinge-Driven	



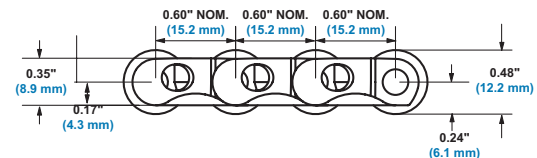
Product Notes

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.**
- Yellow acetal rollers are 0.3 in. (7.6 mm) wide and 0.48 in. (12.1 mm) diameter and are located on the belt rod.
- Roller density is 240 rollers/ft² (2580 rollers/m²).
- Rollers protrude above and below the belt surfaces.
- Rollers are spaced in groups with 1.5 in. (38.1 mm) between roller zones.
- For low back pressure applications, place wearstrip between rollers. For driven applications, place wearstrip directly under rollers.
- Compatible with 0.75 in. (19.1 mm) diameter notched nosebars for tight transfers. Please contact customer service for detailed information.
- Belt can be supported using 1.38 in. (35.1 mm) wide or narrower parallel wearstrips.
- Sprocket locations are indented 1.5 in. (38.1 mm) from edge of belt.
- Sprocket locations are spaced 3.0 in. (76.2 mm) apart.
- Roller indent from edge of belt to edge of roller is 2.2 in. (55.9 mm).
- Minimal back tension required.
- Fully flush edges with recessed rods on one side and closed edges on opposite side.
- 6 in. (152 mm) belt is Mold-To-Width with 0.44 in. (11.2 mm) roller indent.



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

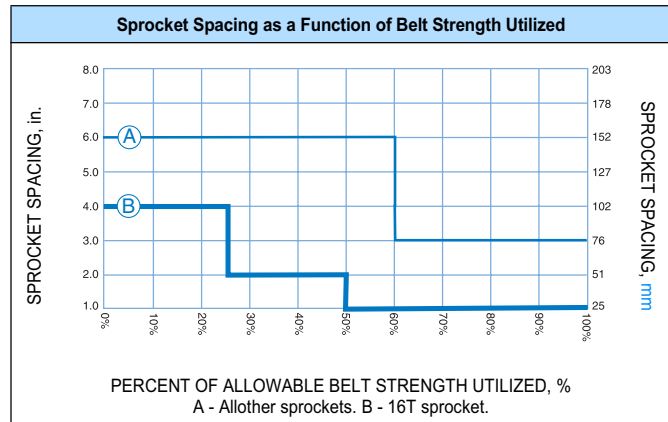
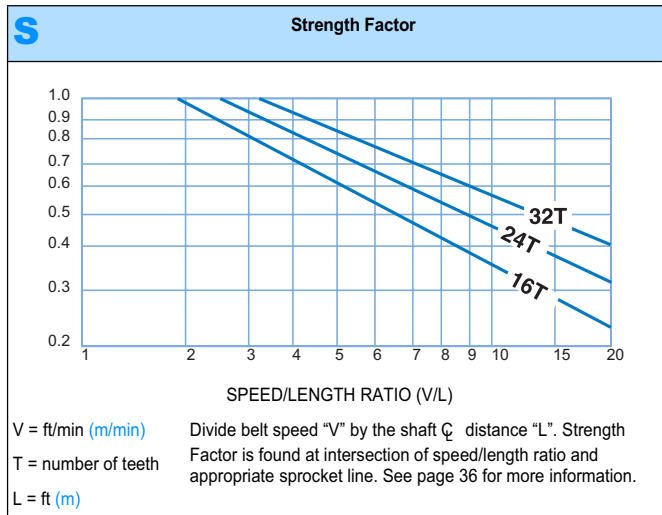
Belt Material	Standard Rod Material Ø 0.18 in. (4.6 mm)	BS Belt Strength	Temperature Range (continuous)		W Belt Weight	Agency Acceptability 1-White, 2-Blue, 3-Natural, 4-Grey									
			lb/ft	kg/m		°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA Dairy ^a	CFA ^b	A ^c	J ^d	Z ^e
Acetal	Polypropylene	1000	1490	34 to 200	1 to 93	1.7	8.3	•					3		

- USDA Dairy requires the use of a clean-in-place-system.
- Canada Food Inspection Agency
- Australian Quarantine Inspection Service
- Japan Ministry of Health, Labour, and Welfare
- MAF-New Zealand Ministry of Agriculture and Forestry. MAF acceptance requires the use of a clean-in-place system.
- 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
3	76	2	2	2
4	102	2	2	2
6	152	2	2	2
7	178	2	3	2
8	203	2	3	2
10	254	2	3	2
12	305	3	3	2
14	356	3	4	3
15	381	3	4	3
18	457	3	4	3
24	610	5	5	3
30	762	5	6	4
36	914	7	7	4
42	1067	7	8	5
48	1219	9	9	5
54	1372	9	10	6
60	1524	11	11	6
72	1829	13	13	7
84	2134	15	15	8
96	2438	17	17	9
120	3048	21	21	11
144	3658	25	25	13
For Other Widths, Use Odd Number of Sprockets ^c at Maximum 6 in. (152 mm) \varnothing Spacing			Maximum 6 in. (152 mm) \varnothing Spacing	Maximum 12 in. (305 mm) \varnothing Spacing

- a. Belts are available in 1.0 in. (25.4 mm) increments beginning with 3 in. (76 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.



Molded 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
16 (1.92%)	3.1 ^c	79 ^c	3.2	81	0.5	13		1.5		40
					1.0	25	1.0			
24 (0.86%)	4.6	117	4.8	121	1.0	25		1.5		40 60
32 (0.48%)	6.1	155	6.5	164	1.0	25		1.5		40



a. Contact Customer Service for lead times.

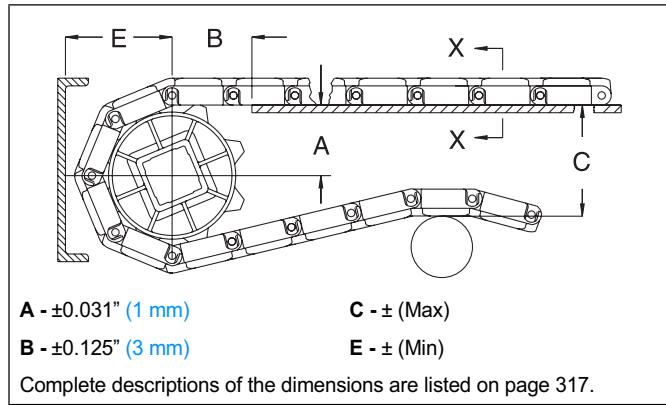
b. Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.

c. When using 3.1 in. (79 mm) pitch diameter sprocket, the Belt Strength for belts rated over 1200 lb/ft (1786 kg/m) will be de-rated to 1200 lb/ft (1786 kg/m) and all other belts will maintain their published rating.

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.

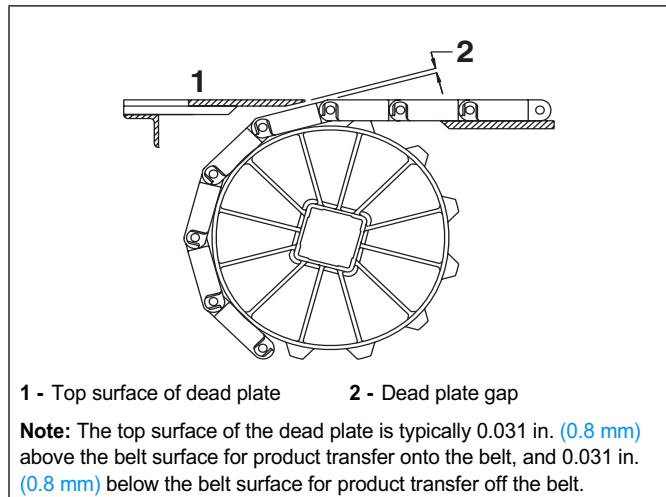


Sprocket Description			A		B		C		E	
Pitch Diameter		No. Teeth	Range (Bottom to Top)		in.	mm	in.	mm	in.	mm
in.	mm		in.	mm						
FLAT TOP										
3.1	79	16	1.34-1.37	24-35	1.59	40	3.08	78	1.77	45
4.6	117	24	2.11-2.13	54	1.99	50	4.60	117	2.53	64
6.1	155	32	2.88-2.89	73	2.43	62	6.12	155	3.29	84
INSERT ROLLER										
3.1	79	16	1.33	34	1.60	41	3.13	80	1.84	47
4.6	117	24	2.10	53	2.02	51	4.65	118	2.60	66
6.1	155	32	2.87	73	2.46	62	6.18	157	3.36	85

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			
3.1	79	16	0.029	0.7
4.6	117	24	0.020	0.5
6.1	155	32	0.015	0.4

