



# ALLIGATOR® Belt Lacing System

## For Easy, Economical Installation of a Low Profile Belt Splice

Alligator® Lacing is available in continuous lengths to fit any belt width and provides uniform tension across the full belt width. The one-piece fastener strip also ensures that there are no loose pieces to work themselves out of the belt and into the conveyed product.

Designed for belts from 1/32" to 1/2" (.8 mm to 12.5 mm)\*, Alligator Belt Lacing installation requires no special tools, only a hammer. The lacing is secured with teeth that embed lengthwise on the belt, providing a strong, vise-like hold. Clips hold gauge rod and lacing firmly and squarely against the belt during the installation process to ensure a strong, straight splice. The straight splice also helps ease hinge pin insertion.

### Market applications

- Package and Parts Conveying
- Food and Sanitary Contact
- Agricultural Harvesting and Handling
- Recycling and Scrap Handling
- Wood Products



**Alligator® Conveyor Belt Lacing Selection Chart**

Lacing Size	For Belts With Mechanical Fastener Rating Up To:		Belt Thickness Range		Recommended Minimum Pulley Diameter		Approx. Corrugated Hinge Pin Diameter	
	P.I.W.	kN/m	in.	mm	in.	mm	in.	mm
	00	25	4.3	Up thru 1/16	Up thru 1.6	1	25	3/64
1	45	7.8	1/16-3/32	1.6-2.4	1-1/2	38	1/16	1.6
7	50	8.7	3/32-9/64	2.4-3.6	2	51	1/16	1.6
15	65	11.4	1/8-5/32	3.2-4.0	2-1/2	64	3/32	2.4
20	95	16.6	5/32-3/16	4.0-4.8	3	76	7/64	2.8
25	100	17.5	3/16-7/32	4.8-5.6	4	102	1/8	3.2
27	100	17.5	7/32-9/32	5.6-7.1	5	127	1/8	3.2
35	150	26.0	9/32-5/16	7.1-7.9	7	178	9/64	3.6
45	165	28.0	5/16-3/8	7.9-9.5	9	229	3/16	4.8
55	175	30.0	3/8-7/16	9.5-11.1	12	305	13/64	5.2
65	200	35.0	7/16-1/2	11.1-12.7	14	356	13/64	5.2

\* Alligator Belt Lacing can operate over pulleys as small as 1" (25 mm) in diameter, or on belts with mechanical fastener ratings to 200 P.I.W. (35 kN/m).

## Conveyor Belt Lacing

For flat conveyor belts from 12" (300 mm) to 60" (1500 mm) wide and for belts 1/32" to 1/2" (.8 to 13 mm) thick, use conveyor belt lacing sized No. 00 to No. 65. Alligator® Conveyor Belt Lacing is available in steel or stainless steel with corrugated hinge pins furnished as standard.

### Steel

Steel is suitable for most applications and is plated for rust and corrosion resistance.

### 300 Series Stainless Steel

300 Series stainless steel is non-rusting and displays extra resistance to abrasion, acids, chemicals, and magnetic attraction. It is excellent in applications with high sanitation requirements.

### Corrugated Hinge Pins

The corrugated pin is standard and is suitable for all sizes of Alligator Belt Lacing and for smaller transmission belt lacing applications. Lugs on the hinge pin engage lacing loops, reducing the possibility of hinge pin migration. Available in steel or stainless steel.



#### Steel Lacing With Steel Corrugated Hinge Pins

Belt Width		00	1A	7	15	20	25	27	35	45	55
in.	mm										
12	300	00-12	1A-12	7-12	15-12	20-12	25-12	27-12	35-12	45-12	55-12
18	450	00-18	1A-18	7-18	15-18	20-18	25-18	27-18	35-18	45-18	55-18
24	600	00-24	1A-24	7-24	15-24	20-24	25-24	27-24	35-24	45-24	55-24
30	750	00-30	1A-30	7-30	15-30	20-30	25-30	27-30	35-30	45-30	55-30
36	900	00-36	1A-36	7-36	15-36	20-36	25-36	27-36	35-36	45-36	55-36
42	1050	00-42	1A-42	7-42	15-42	20-42	25-42	27-42	35-42	45-42	55-42
48	1200	00-48	1A-48	7-48	15-48	20-48	25-48	27-48	35-48	45-48	55-48
60	1500	00-60	1A-60	7-60	15-60	20-60	25-60	27-60	35-60	45-60	55-60

Carton contains 4 sets of lacing, 4 corrugated hinge pins, and 1 installation gauge pin with clips.

#### Stainless Lacing With Stainless Corrugated Hinge Pins

Belt Width		00S	1S	7S	15S	20S	25S	27S	35S	45S	55
in.	mm										
12	300	00S-12	1S-12	7S-12	15S-12	20S-12	25S-12	27S-12	35S-12	45S-12	55-12
18	450	00S-18	1S-18	7S-18	15S-18	20S-18	25S-18	27S-18	35S-18	45S-18	55-18
24	600	00S-24	1S-24	7S-24	15S-24	20S-24	25S-24	27S-24	35S-24	45S-24	55-24
30	750	00S-30	1S-30	7S-30	15S-30	20S-30	25S-30	27S-30	35S-30	45S-30	55-30
36	900	00S-36	1S-36	7S-36	15S-36	20S-36	25S-36	27S-36	35S-36	45S-36	55-36
42	1050	00S-42	1S-42	7S-42	15S-42	20S-42	25S-42	27S-42	35S-42	45S-42	55-42
48	1200	00S-48	1S-48	7S-48	15S-48	20S-48	25S-48	27S-48	35S-48	45S-48	55-48
60	1500	00S-60	1S-60	7S-60	15S-60	20S-60	25S-60	27S-60	35S-60	45-60	55-60

Carton contains 4 sets of lacing, 4 corrugated hinge pins, and 1 installation gauge pin with clips.

## Transmission Belt Lacing

For flat power-transmission belts up to 12" (300 mm) wide, Alligator® Transmission Belt Lacing is available for sizes 00 through 65. Lacing is scored so it can be easily trimmed to fit narrower belts. Corrugated hinge pins are furnished with the three smallest lacing sizes. A two-piece Rocker Hinge pin is available for sizes 15 to 65.

### Steel

Steel is suitable for most applications and is plated for rust and corrosion resistance.

### 300 Series Stainless Steel

300 Series stainless steel is non-rusting and displays extra resistance to abrasion, acids, chemicals, and magnetic attraction. It is excellent in applications with high sanitation requirements.

### Rocker Hinge Pin

The Rocker Hinge pin is furnished with Transmission Belt Lacing. The two-piece pin provides rocking action to reduce friction and wear on loops and lacing. Sizes 15 through 65 are available in steel or stainless steel.



Lacing Width		Sets per Box	Steel	300 Series Stainless
in.	mm			
6	150	6	00	00S
6	150	6	1A	1AS
6	150	6	7	7S-TRANS
12	300	4	15	15S
12	300	4	20	20S
12	300	4	25D	25DS
12	300	8	25G	
12	300	4	27K	27KS
12	300	8	27L	
12	300	4	35N	35NS
12	300	4	45U	45US
12	300	4	55W	55WS
12	300	4	65X	

Carton contains lacing, hinge pins, and gauge pin.

# ALLIGATOR® Belt Lacing System



900 Series\* Belt Cutter



845LD Belt Cutter



14" Belt Cutter



Rough Top Belt Skiver



Belt Grinder

## Belt Preparation Tools

### 900 Series\* Belt Cutter

The 900 Series Belt Cutter incorporates numerous features for easy, smooth cutting of belts with extreme accuracy.

- Durable blade design that produces highly accurate cuts while being fully enclosed for safety
- Quick belt clamp feature
- Cuts belts up to 1-1/2" (38 mm)

900 Series* Belt Cutter		
Belt Width		Ordering Number
in.	mm	
24	600	900924
36	900	900936
48	1200	900948
60	1500	900960
72	1800	900972
84	2130	900984

\* Patent pending

### 845LD Belt Cutter

A sturdy, safe, simple, and portable tool specially designed for cutting wide belts.

- Enclosed blade is handle-driven from either end
- Cuts belts up to 1/2" (12 mm) thick

845LD Series Belt Cutter		
Belt Width		Ordering Number
in.	mm	
36	900	845836LD
48	1200	845848LD
60	1500	845860LD
72	1800	845872LD

### 14" Belt Cutter

Portable tool cuts belts up to 14" (350 mm) wide, quickly and easily.

- Table support features a built-in square to ensure proper cut
- Can cut belts in the middle of the roll by opening the cutter end
- Cuts belts up to 3/8" (9.5 mm) thick

14" Belt Cutter		
Belt Width		Ordering Number
in.	mm	
14	350	CUTTER-14

### Rough Top Belt Skiver

Simplifies removal of belt impression covers prior to fastener size selection and installation.

Rough Top Belt Skiver	
Ordering Number	
RTBS	

### Belt Grinder

Carbide cuts belt impression cover instead of burning it for quick and clean skiving. Attaches to a 3/8" (10 mm) electric or pneumatic drill (2,500 rpm).

Belt Grinder	
Ordering Number	
RB-1	



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