Alligator® Fastener Systems for Light-Duty Applications

Alligator®

FLEXCO

Welcome to Flexco

From product distribution centers to food processing plants, companies rely on Flexco for belt conveyor fasteners and maintenance solutions that help maximize uptime, productivity, and safety. We offer the most comprehensive selection of quality products in the industry. And we back customers with unsurpassed product and application support.

The support you need, whenever and wherever you need it

Flexco products are only available through a select network of qualified belting and industrial supply distributors. This worldwide distributor network means we can back our customers with product and application support second to no one.

From fastener selection and installation to troubleshooting, each distributor is equipped and trained to respond to both your day-to-day and emergency needs. They carry comprehensive inventories of fastener products. Plus, they are experts in all facets of belt conveyor maintenance and support.

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For up-to-the-minute information on products, applications, and distributors – as well as late-breaking news and product bulletins – visit our Web site. You'll find links to:
- *Products*
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You'll also find helpful links to industry trade show sites.

Mechanical Fastener Solutions from Flexco

The most respected name in belt conveyor solutions is Flexco. And for a simple reason. Flexco products set the industry's highest standards for design, ease of installation, and reliability. Plus, knowledgeable advice and proven solutions help our customers keep conveyor efficiency high and operation costs low.

Flexco fastener systems for light-duty applications

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How to specify the right Flexco fastener

1. **Determine belt tension.**
   Most conveyor belting has a mechanical fastener rating. Exercise care to ensure belting or fasteners are operated within the recommended range of their capabilities.

2. **Measure belt thickness.**
   Choose a fastener size which corresponds to belt thickness in the skived area. Measure after any belt top cover has been removed.

3. **Measure the diameter of the smallest pulley in your drive.**
   Minimum pulley diameters for individual fasteners are noted in the specification charts for individual fasteners.

4. **Choose the fastener size that is appropriate for your application.**
   Use specifications for individual fastener sizes to guide your selection.
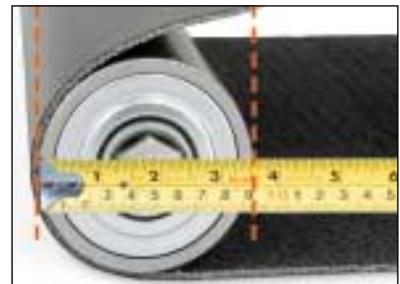
Alligator® Ready Set™ Staple Fastener System

The Alligator® Ready Set™ Staple Fastener System, featuring one-piece fastener strips with pre-inserted staples, reduces installation time by eliminating the need to handle and load individual staples. The result is a strong splice that resists impact damage, as well as a smooth, unrippled joint that simplifies hinge pin insertion.

An extended plate design separates the point of staple penetration from the line of belt flexing. This eliminates splice fatigue that can often result from sawing action at the point of attachment.

Alligator Ready Set staple fasteners are furnished in strips with a bridge between each fastener plate, thus preventing individual parts from getting into conveyed product.

The Alligator® Ready Set™ Staple Fastener System is ideal for light- and medium-duty conveyor applications including:
• Package and baggage handling
• Cased goods
• Parts
• Food
• Agricultural products

Easy installation. Long-lasting splice.

Simply fit the Ready Set fastener strip onto the belt ends and secure with the special installation tool for a strong, dependable splice. Designed for belts from 1,5 mm (1/16") to 6,4 mm (1/4"), Alligator Ready Set installation requires only a hammer and a lightweight installation tool that can be easily carried to and from the job site (installation tool described on page 8).

How the Alligator® Ready Set™ Fastening System Works

Staples penetrate between carcass fibers without severing them. Staples are hammer-driven through the belt and then clinched crosswise to prevent belt tension from pulling against — and unclinching — the staples.

Alligator® Ready Set™ Staple Selection Guide

Fastener Size	Operating Tension Range		Belt Thickness Range		Minimum Pulley Diameter		Approximate Hinge Pin Diameter			
							Nylon		Steel	
	kN/m	P.I.W.	mm	in.	mm	in.	mm	in.	mm	in.
RS62	17	100	1,5-3,2	1/16-1/8	50	2	2,0	.080	2,0	.080
RS125	28	160	3,2-4,8	1/8-3/16	75	3	3,6	.141	3,6	.141
RS187	35	200	4,8-6,4	3/16-1/4	100	4	5,2	.203	4,7	.187

No. RS62

No. RS125

No. RS187

- *For belts 1,5 mm (1/16") to 3,2 mm (1/8") thick*

- *Operates on minimum pulley diameter of 50 mm (2")*

- *For use on belts with mechanical fastener ratings up to 17 kN/m (100 P.I.W.)*

- *Available in steel, Type 316 stainless steel, and Type 430 Magnetic Stainless*

- *Can be coupled with No. RS125 for belt ends of slightly different thickness, as long as the minimum pulley diameter for the RS125 is met, the RS62 hinge pin is used, and belt rating does not exceed 17 kN/m (100 P.I.W.)*

- *For belts 3,2 mm (1/8") to 4,8 mm (3/16") thick*

- *Operates on a minimum pulley diameter of 75 mm (3")*

- *For use on belts with mechanical fastener ratings up to 28 kN/m (160 P.I.W.)*

- *Available in steel, Type 316 stainless steel, Type 430 Magnetic Stainless, and MegAlloy®*

- *No. RS125 and RS187 can be joined using a No. RS125 hinge pin. Minimum pulley diameter for RS187 must be met and belt rating must not exceed 28 kN/m (160 P.I.W.)*

- *For belts 4,8 mm (3/16") to 6,4 mm (1/4") thick*

- *Operates on a minimum pulley diameter of 100 mm (4")*

- *For use on belts with mechanical fastener ratings up to 35 kN/m (200 P.I.W.)*

- *Available in steel, Type 316 stainless steel, and MegAlloy®*

RS62

RS125

RS187

125 MegAlloy®

Steel: *Standard fastener material is suitable for most applications. Plated for rust and corrosion resistance.*

Stainless Steel: *Type 316 provides extra resistance to abrasion, magnetic attraction, and corrosion from acids and chemicals. Also excellent for high-sanitary requirements.*

MegAlloy®: *Superior resistance to wear and abrasion, providing several times the service life of steel. Not recommended where subject to impact or corrosion.*

Alligator® Ready Set™ Staple Fastener System

Selection Charts

Fasteners

Belt Width		Ordering Number		Belt Width		Ordering Number	
		With Nylon Covered Steel Cable Pins (NC)	With Steel Spring Wire Pins (SP)			With Stainless Spring Wire Pins (SS)	With Nylon Covered Stainless Cable Pins (NCS)
mm	in.			mm	in.		
RS62 Steel				**RS62 Stainless (Type 316)**			
300	12	RS62J12/300NC	RS62J12/300SP	300	12	RS62SJ12/300SS	RS62SJ12/300NCS
400	16	RS62J16/400NC		400	16		
450	18	RS62J18/450NC	RS62J18/450SP	450	18	RS62SJ18/450SS	RS62SJ18/450NCS
500	20	RS62J20/500NC	RS62J20/500SP	500	20	RS62SJ20/500SS	
600	24	RS62J24/600NC	RS62J24/600SP	600	24	RS62SJ24/600SS	RS62SJ24/600NCS
750	30	RS62J30/750NC	RS62J30/750SP	750	30	RS62SJ30/750SS	RS62SJ30/750NCS
900	36	RS62J36/900NC	RS62J36/900SP	900	36	RS62SJ36/900SS	RS62SJ36/900NCS
1050	42	RS62J42NC	RS62J42SP	1050	42	RS62SJ42SS	
1200	48	RS62J48NC	RS62J48SP	1200	48	RS62SJ48SS	RS62SJ48NCS
1500	60	RS62J60NC	RS62J60SP	1500	60	RS62SJ60SS	RS62SJ60NCS
RS125 Steel				**RS125 Stainless (Type 316)**			
100	4	RS125J4NC*		100	4		
250	10	RS125J10NC		250	10		RS125SJ10NCS
300	12	RS125J12/300NC		300	12	RS125SJ12/300SS	RS125SJ12/300NCS
350	14	RS125J14NC		350	14	RS125SJ14SS	RS125SJ14NCS
400	16	RS125J16/400NC	RS125J16/400SP	400	16	RS125SJ16/400SS	RS125SJ16/400NCS
450	18	RS125J18/450NC	RS125J18/450SP	450	18	RS125SJ18/450SS	RS125SJ18/450NCS
500	20	RS125J20/500NC	RS125J20/500SP	500	20	RS125SJ20/500SS	RS125SJ20/500NCS
600	24	RS125J24/600NC	RS125J24/600SP	600	24	RS125SJ24/600SS	RS125SJ24/600NCS
750	30	RS125J30/750NC	RS125J30/750SP	750	30	RS125SJ30/750SS	RS125SJ30/750NCS
900	36	RS125J36/900NC	RS125J36/900SP	900	36	RS125SJ36/900SS	RS125SJ36/900NCS
1050	42	RS125J42NC	RS125J42SP	1050	42	RS125SJ42SS	RS125SJ42NCS
1200	48	RS125J48NC	RS125J48SP	1200	48	RS125SJ48SS	RS125SJ48NCS
1500	60	RS125J60NC	RS125J60SP	1500	60	RS125SJ60SS	RS125SJ60NCS
RS187 Steel				**RS187 Stainless (Type 316)**			
100	4	RS187J4NC*		100	4		
300	12	RS187J12/300NC		300	12		RS187SJ12/300NCS
400	16	RS187J16/400NC		400	16	RS187SJ16/400SS	RS187SJ16/400NCS
450	18	RS187J18/450NC	RS187J18/450SP	450	18	RS187SJ18/450SS	RS187SJ18/450NCS
500	20	RS187J20/500NC	RS187J20/500SP	500	20	RS187SJ20/500SS	RS187SJ20/500NCS
600	24	RS187J24/600NC	RS187J24/600SP	600	24	RS187SJ24/600SS	RS187SJ24/600NCS
750	30	RS187J30/750NC	RS187J30/750SP	750	30	RS187SJ30/750SS	RS187SJ30/750NCS
900	36	RS187J36/900NC	RS187J36/900SP	900	36	RS187SJ36/900SS	RS187SJ36/900NCS
1050	42	RS187J42NC	RS187J42SP	1050	42	RS187SJ42SS	RS187SJ42NCS
1200	48	RS187J48NC	RS187J48SP	1200	48	RS187SJ48SS	RS187SJ48NCS
1500	60	RS187J60NC	RS187J60SP	1500	60	RS187SJ60SS	

*10 sets per box

MegAlloy® Fasteners

Includes sixteen 150 mm (6") fastener strips with staples. Hinge pins not included.

Note: When ordering MegAlloy® fasteners or bulk ordering lacing with special staple lengths, you must use a green guide block (ST4-5, #50240) with your installation tool. When using loose staples, you can order a staple dispenser to speed up your installation of this product.

Ordering Number
125MA
187MA

Hinge Pin Selection Chart

Wide selection makes it easy to match the correct hinge pin to the needs of your application.

Nylon Covered Steel Cable (NC): *Nylon covering reduces corrosion and simplifies hinge pin insertion.*

Nylon Covered Stainless Steel Cable (NCS): *For greater corrosion resistance.*

Steel Spring Wire (SP): *For flat belt conveyors carrying abrasive or gritty materials.*

Stainless Steel Spring Wire (SS): *For use with stainless steel fasteners.*

Hinge Pins (Extra)

For 62				For 62			
Coil Length		**Ordering Number**		**Belt Width**		**Ordering Number (Packages of 10 Pins)**	
M	**Foot**	**NC62 Nylon Covered Steel Cable**	**NCS62 Nylon Covered Stainless Cable**	**mm**	**in.**	**SP62 Steel Spring Wire Pins**	**SS62 300 Series Stainless Spring Wire Pins**
3	10	NC62-X	NCS62-X	300	12	SP62-12/300	SS62-12/300
30	100	NC62-C	NCS62-C	400	16	SP62-16/400	SS62-16/400
				450	18	SP62-18/450	SS62-18/450
				500	20	SP62-20	SS62-20
				600	24	SP62-24/600	SS62-24/600
				750	30	SP62-30/750	SS62-30/750
				900	36	SP62-36/900	SS62-36/900
				1050	42	SP62-42	SS62-42
				1200	48	SP62-48	SS62-48
				1350	54	SP62-54	SS62-54
				1500	60	SP62-60	SS62-60
For 125				For 125			
Coil Length		**Ordering Number**		**Belt Width**		**Ordering Number (Packages of 10 Pins)**	
M	**Foot**	**NC1 Nylon Covered Steel Cable**	**NCS1 Nylon Covered Stainless Cable**	**mm**	**in.**	**SP1 Steel Spring Wire Pins**	**SS1 300 Series Stainless Spring Wire Pins**
3	10	NC1-X	NCS1-X	400	16	SP1-16/400	SS1-16/400
30	100	NC1-C	NCS1-C	450	18	SP1-18/450	SS1-18/450
				500	20	SP1-20	SS1-20
				600	24	SP1-24/600	SS1-24/600
				750	30	SP1-30/750	SS1-30/750
				900	36	SP1-36/900	SS1-36/900
				1050	42	SP1-42	SS1-42
				1200	48	SP1-48	SS1-48
				1500	60	SP1-60	SS1-60
For 187				For 187			
Coil Length		**Ordering Number**		**Belt Width**		**Ordering Number (Packages of 10 Pins)**	
M	**Foot**	**NC187 Nylon Covered Steel Cable**	**NCS187 Nylon Covered Stainless Cable**	**mm**	**in.**	**SP2 Steel Spring Wire Pins**	**SS2 300 Series Stainless Spring Wire Pins**
3	10	NC187-X	NCS187-X	450	18	SP2-18/450	SS2-18/450
30	100	NC187-C	NCS187-C	500	20	SP2-20	SS2-20
				600	24	SP2-24/600	SS2-24/600
				750	30	SP2-30/750	SS2-30/750
				900	36	SP2-36/900	SS2-36/900
				1050	42	SP2-42	SS2-42
				1200	48	SP2-48	SS2-48
				1500	60	SP2-60	SS2-60

Alligator® Ready Set™ Staple Fastener System

Installation Tools and Supplies

Alligator® RSC187 Installation Tool

Holds fasteners securely in proper alignment and guides staples as they are driven. Installs two staples simultaneously for fast and simple splicing. Also provides a solid anvil surface for initial staple clinching.

The RSC187 comes complete with guide blocks and driver. Standard tool can be used to install all three fastener sizes. Also available in sizes to match a variety of belt widths. Wider tools are available for production lacing and fabrication shop requirements.

For sizes No. 62, No. 125, and No. 187

Tool Width		Ordering Number
mm	in.	
50	2	RSC187
100	4	RSC187-4
150	6	RSC187-6
300	12	RSC187-12
600	24	RSC187-24

Alligator® Ready Set™ Tool Kit

Everything needed to install Alligator® Ready Set™ Fastener Systems, in a lightweight, easy-to-carry toolbox. Includes the RSC187 installation tool, staple set plate, hand skiver, belt nippers, and 0,45 kg (1 lb.) hammer.

Description	Ordering Number
150mm (6") Installation Kit	RSTK4-6
300mm (12") Installation Kit	RSTK4-12

Staple Setting Plate

Use the Alligator® staple setting plate to achieve a smooth, finished splice. Heat-treated steel plate puts the finishing "set" on staples. Features countersunk bolt holes for easy mounting.

Ordering Number
ST-28

Alligator® Hinge Pin Cutter

Cuts bulk hinge pin cable quickly and easily. Provides a clean cut with no frayed ends.

Ordering Number
APC-1

Hinge Pin Retaining Washers

Retaining washers prevent migration of nylon-covered cable hinge pins. Check hinge pins frequently during the first few hours of operation to determine whether migration is a problem in your application.

For Fastener Number	Ordering Number
62	62-RET-50
125	125-RET-50
187	187-RET-50

Hinge Pin Bender

For use with steel spring wire pin, bends hinge pin end to prevent pin migration.

Ordering Number
PB1

Rough-Top Belt Skiver

Durable, hand-operated tool for quick and clean removal of rough top from light- and medium-duty conveyor belting. Permits lower fastener installation to minimize splice profile.

Ordering Number
RTBS

Ready Set™ Staple Guide Blocks

It is easy to convert the standard C187 Alligator® staple installation tool to Alligator Ready Set™ staples. Simply replace standard guide blocks with the ST5-5 staple guide block(s).

Includes cam lever spring

Ordering Number
ST5-5

Alligator® Belt Lacing Fastener System

For easy, economical installation and an exceptionally smooth joint, choose the Alligator® Belt Lacing Fastener System. Steel or stainless steel lacing is available in continuous lengths to fit any belt width.

One-piece design provides uniform tension across the full belt width. Also helps ensure that no loose pieces work themselves out of the belt and into conveyed product.

Easy to install

Alligator Belt Lacing installation requires no special tools, only a hammer.

Note: Alligator Belt Lacing machines are also available for production splicing. Contact Flexco for additional information.

A size to match every application

Designed for belts from 0,8 mm (1/32") to 12,5 mm (1/2"), Alligator Belt Lacing can operate over pulleys as small as 25 mm (1") in diameter, or on belts with mechanical fastener ratings to 35 kN/m (200 P.I.W.).

How the Alligator® Lacing Fastener System Works

Alligator® Lacing teeth enter parallel to the length of the belt and embed clear through the belt carcass. The design of the teeth ensures that once they are driven into the belt, the vital longitudinal carcass fibers are not severed.

The connecting bar and one continuous-piece design provides a strong, vise-like hold on the belt and evenly distributes belt tension across the entire belt width. The one-piece fastener strip ensures that no loose pieces will work out of the belt and into conveyed product. The straight splice obtained with a continuous strip of lacing also helps with hinge pin insertion.

Alligator® Lacing Selection Chart

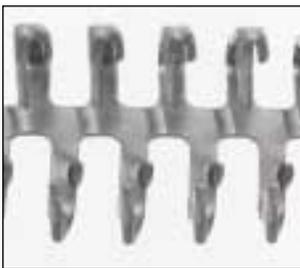| Lacing Size	For Belts with Mechanical Fastener Ratings up to:		Belt Thickness Range		Recommended Minimum Pulley Diameter		Approximate Corrugated Hinge Pin Diameter	
	kN/m	P.I.W.	mm	in.	mm	in.	mm	in.
00	4,3	25	Up thru 1,6	Up thru 1/16	25	1	1,2	3/64
1	7,8	45	1,6-2,4	1/16-3/32	38	1-1/2	1,6	1/16
7	8,7	50	2,4-3,6	3/32-9/64	51	2	1,6	1/16
15	11,4	65	3,2-4,0	1/8-5/32	64	2-1/2	2,4	3/32
20	16,6	95	4,0-4,8	5/32-3/16	76	3	2,8	7/64
25	17,5	100	4,8-5,6	3/16-7/32	102	4	3,2	1/8
27	17,5	100	5,6-7,1	7/32-9/32	127	5	3,2	1/8
35	26	150	7,1-7,9	9/32-5/16	178	7	3,6	9/64
45	28	165	7,9-9,5	5/16-3/8	229	9	4,8	3/16
55	30	175	9,5-11,1	3/8-7/16	305	12	5,2	13/64
65	35	200	11,1-12,7	7/16-1/2	356	14	5,2	13/64

Alligator® Belt Lacing is available for both conveyor belts and transmission belts. Both types are available in steel or Type 316 stainless steel.

Steel: Standard fastener material is suitable for most applications. 00, 1, and 7 lacing is plated for rust and corrosion resistance.

Stainless Steel: Type 316 provides extra resistance to abrasion, magnetic attraction, and corrosion from acids and chemicals. Also excellent for high-sanitary requirements.
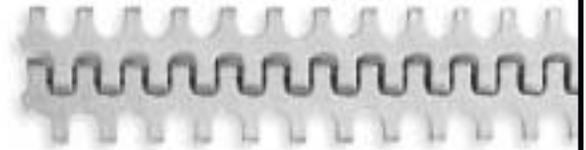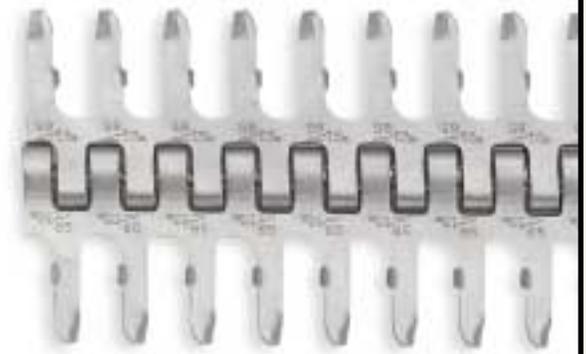

Smallest Size #00 Alligator® Lacing

Largest Size #65 Alligator® Lacing

Conveyor belt lacing:
Features a "radius check" reference point to aid in trimming strips for narrower belt widths. Ideal for belts from 300 mm (12") to 1500 mm (60") wide, and from 0,8 mm (1/32") to 13 mm (1/2") thick.

Transmission belt lacing:
For flat power transmission belts up to 300 mm (12") wide. Lacing is scored, so it can break away to fit belts narrower than packaged size.

Alligator® Belt Lacing Fastener System

Selection Charts

Conveyor Belt Lacing Cartons

Carton includes everything needed for four complete joints: four sets (joints) of lacing, four corrugated hinge pins, and one installation gauge pin with clips.

Fasteners
Steel Lacing with Steel Corrugated Hinge Pins

Belt Width		Ordering Number										
mm	in.	00	1A	7	15	20	25	27	35	45	55	65
300	12	00-12	1A-12	7-12	15-12	20-12	25-12	27-12	35-12	45-12	55-12	65-12
350	14	00-14	1A-14	7-14	15-14	20-14	25-14	27-14	35-14	45-14	55-14	
400	16	00-16	1A-16	7-16	15-16	20-16	25-16	27-16	35-16	45-16	55-16	
450	18	00-18	1A-18	7-18	15-18	20-18	25-18	27-18	35-18	45-18	55-18	65-18
500	20	00-20	1A-20	7-20	15-20	20-20	25-20	27-20	35-20	45-20	55-20	
550	22	00-22	1A-22	7-22	15-22	20-22	25-22	27-22				
600	24	00-24	1A-24	7-24	15-24	20-24	25-24	27-24	35-24	45-24	55-24	65-24
650	26			7-26	15-26		25-26	27-26				
700	28			7-28	15-28	20-28	25-28	27-28				
750	30	00-30	1A-30	7-30	15-30	20-30	25-30	27-30	35-30	45-30	55-30	65-30
800	32			7-32	15-32	20-32		27-32				
900	36	00-36	1A-36	7-36	15-36	20-36	25-36	27-36	35-36	45-36	55-36	65-36
1050	42	00-42	1A-42	7-42	15-42	20-42	25-42	27-42	35-42	45-42	55-42	
1200	48	00-48	1A-48	7-48	15-48	20-48	25-48	27-48	35-48	45-48	55-48	65-48
1350	54						25-54	27-54	35-54			
1500	60	00-60	1A-60	7-60	15-60	20-60	25-60	27-60	35-60	45-60	55-60	65-60

Any lengths over 1500 mm (60") are sold by the set

Fasteners
316 Stainless Lacing with 300 Series Stainless Corrugated Hinge Pins

Belt Width		Ordering Number									
mm	in.	00S	1S	7S	15S	20S	25S	27S	35S	45S	55S
300	12	00S-12	1S-12	7S-12	15S-12	20S-12	25S-12	27S-12	35S-12	45S-12	
350	14	00S-14	1S-14	7S-14	15S-14	20S-14	25S-14	27S-14	35S-14		
400	16	00S-16	1S-16	7S-16	15S-16	20S-16	25S-16	27S-16	35S-16		
450	18	00S-18	1S-18	7S-18	15S-18	20S-18	25S-18	27S-18	35S-18	45S-18	55S-18
500	20	00S-20	1S-20	7S-20	15S-20	20S-20	25S-20	27S-20	35S-20		
600	24	00S-24	1S-24	7S-24	15S-24	20S-24	25S-24	27S-24	35S-24	45S-24	55S-24
700	28			7S-28	15S-28						
750	30	00S-30	1S-30	7S-30	15S-30	20S-30	25S-30	27S-30	35S-30	45S-30	55S-30
900	36	00S-36	1S-36	7S-36	15S-36	20S-36	25S-36	27S-36	35S-36	45S-36	55S-36
1050	42	00S-42	1S-42	7S-42	15S-42	20S-42	25S-42	27S-42		45S-42	
1200	48	00S-48	1S-48	7S-48	15S-48	20S-48	25S-48	27S-48	35S-48	45S-48	55S-48
1350	54		1S-54								
1500	60	00S-60	1S-60	7S-60	15S-60	20S-60	25S-60	27S-60	35S-60		

Extra Hinge Pins

Steel (H) Corrugated Hinge Pins Packages of 10 pins

Belt Width		Ordering Number for Fastener Number:							
mm	in.	00	1 or 7	15	20	25 or 27	35	45	55 or 65
150	6	00H6	1&7H6						
300	12	00H12	1&7H12	15H12	20H12	25&27H12	35H12	45H12	
450	18	00H18	1&7H18	15H18	20H18	25&27H18	35H18		
600	24	00H24	1&7H24	15H24	20H24	25&27H24	35H24	45H24	55&65H24
750	30	00H30	1&7H30	15H30	20H30	25&27H30	35H30		
900	36	00H36	1&7H36	15H36	20H36	25&27H36	35H36	45H36	55&65H36
1200	48	00H48	1&7H48	15H48	20H48	25&27H48	35H48	45H48	55&65H48
1500	60	00H60	1&7H60	15H60	20H60	25&27H60	35H60	45H60	55&65H60

Stainless (SH) Corrugated Hinge Pins – 300 Series Packages of 10 pins

Belt Width		Ordering Number for Fastener Number:						
mm	in.	00	1 or 7	15	20	25 or 27	35	45
300	12		1&7SH12			25&27SH12	35SH12	
450	18		1&7SH18	15SH18		25&27SH18		
600	24	00SH24	1&7SH24	15SH24	20SH24	25&27SH24	35SH24	
750	30		1&7SH30	15SH30	20SH30	25&27SH30	35SH30	
900	36	00SH36	1&7SH36	15SH36	20SH36	25&27SH36	35SH36	45SH36
1200	48	00SH48	1&7SH48	15SH48	20SH48	25&27SH48	35SH48	45SH48
1500	60	00SH60	1&7SH60	15SH60		25&27SH60		

Transmission Belt Lacing

Each box contains fastener sets indicated in the chart below, a steel rocker hinge pin, and one gauge pin.

Fasteners
300 mm (12") strip lengths

Steel		Stainless (Type 316)	
Ordering Number	Sets/ Box	Ordering Number	Sets/ Box
00*	6	00S*	6
1A*	6	1AS*	6
7*	6	7S*	6
15	4	15S	4
20	4	20S	4
25D	4	25DS	4
25G	8		
27K	4	27KS	4
27L	8		
35N	4	35NS	4
45U	4	45US	4
55W	4	55WS	4
65X	4		

*150 mm (6") strip lengths with corrugated hinge pins

Rocker Hinge Pins
20/Package

Ordering Number	
Steel (RH)	Stainless (SRH)
15RH12	
20RH12	20SRH12
	25SRH12
27RH12	
35RH12	
45RH12	
55&65RH12	

H – Corrugated:
Furnished with all cartons of standard conveyor belt lacing. Available in steel (H) or stainless steel (SH). Additional hinge pin material (nylon-covered steel cable and nylon-covered stainless steel cable) is available in bulk for use with conveyor belt lacing. See page 7 for ordering information.

H – Corrugated

RH – Rocker:
Two-piece pin provides rocking action to reduce wear and friction on loops and lacing. Furnished with transmission belt lacing sizes 15 through 65. Available in steel (RH) or stainless steel (SRH). Corrugated pins are furnished with the three smallest transmission sizes.

RH – Rocker

Alligator® Plastic Rivet Fastener System

For applications where metal belt fasteners can't be used, the Alligator®
Plastic Rivet Fastener System is a long-lasting, easy-to-install solution
for light-duty applications. Our sturdy non-metallic fastener is also a
low-cost alternative to the time and expense associated with vulcanization.

Low-profile design

Fastener plate leading edges are beveled to ensure
a smooth, low-profile splice. Design permits use
on applications with minimum pulley diameters
as small as 38 mm (1-1/2") and
on belts 0,8 mm to 3,2 mm
(1/32" to 1/8") thick.

Easy to maintain

The one-piece, cover-mounted fastener features an integrated design
with rivets molded right into the fastener top plate. Fast belt replacement
means reduced downtime and increased productivity. Plus, the smooth,
flat surface is easy to clean.
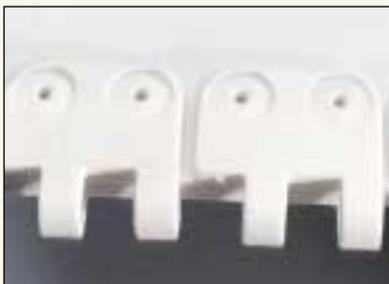
Countersunk Rivets

*Once set, rivets are countersunk into pre-formed pockets to prevent wear or
damage from idlers, pulleys, or slider beds. Beveled leading edges help prevent
hang-up and interference with cleaners, plows, or diverters.*

Choice of materials

Choose the material that matches your application. UV-resistant black delivers extended life in outdoor applications. FDA-accepted white plastic is suitable for food and pharmaceutical processing applications, and resists weak acids, alkali, hydrocarbons, ester solvents, and alcohols. Both materials can be used in applications from -29°C to 82°C (-20°F to 180°F).

Alligator® Plastic Rivet Fasteners Selection Chart

Fastener Size	For Belts with Mechanical Fastener Ratings up to:		Belt Thickness Range		Recommended Minimum Pulley Diameter		Approximate Hinge Pin Diameter	
	kN/m	P.I.W.	mm	in.	mm	in.	mm	in.
APF100	7	40	Up thru 2,4	Up thru 3/32	38	1-1/2	2,5	.096
APF150	11	65	1,6-3,2	1/16-1/8	75	3	3,5	.136

Fasteners
Includes fasteners and hinge pin to make one splice

Belt Width		Description	Ordering Number
mm	in.		
100			
600	24	White	APF100W-50
1200	48	White	APF100W-100
600	24	Black	APF100B-50
1200	48	Black	APF100B-100
150			
600	24	White	APF150W-50
1200	48	White	APF150W-100
600	24	Black	APF150B-50
1200	48	Black	APF150B-100

Bulk Fasteners
Re-closeable plastic pail contains 500 fasteners – no hinge pins

Description	Ordering Number
White	APF100W-500
Black	APF100B-500
White	APF150W-500
Black	APF150B-500

Hinge Pins

Fastener Size	Length		Ordering Number
	Meter	Foot	
APF100	3	10	NL250-X
APF100	30	100	NL250-C
APF150	3	10	NL350-X
APF150	30	100	NL350-C

Plastic Rivet Lube

Specially formulated to enhance free rivet rotation and reduce component wear.

Ordering Number
PRL4

Alligator® Plastic Rivet Fastener System

Installation Tools

Alligator® Spin-Set™ Installation Tool

Portable tool simplifies plastic rivet installation anywhere in your facility. Weighs only 14 kg (30 lbs.), aligns fasteners automatically, and holds them firmly in place while rivet heads are spin set into countersunk pockets.

Does not include comb assembly, templet, belt punch, curling bit or plastic rivet lube. Purchase separately.

Voltage	Ordering Number
110V	MDT-1
220V-50 cycle	MDT220-1

Comb Assembly

Comb Assembly accommodates both fastener sizes and comes with a gauge pin.

Length		Ordering Number
mm	in.	
300	12	PCA7-300
600	24	PCA7-600

Templets

Easy-to-use templets ensure precise hole locations, as well as correct fastener reachback and alignment.

For APF100 Fasteners			For APF150 Fasteners		
Length		Ordering Number	Length		Ordering Number
mm	in.		mm	in.	
300	12	100T-300	300	12	150T-300
600	24	100T-600	600	24	150T-600
900	36	100T-900	900	36	150T-900
1200	48	100T-1200	1200	48	150T-1200

Belt Punch

Specially designed to drill precisely-sized holes without tearing or burning the belt. Slugs eject automatically to the side.

Fastener Size	Ordering Number
APF100	A100P
APF150	A150P

Curling Bit

Heats, compresses and molds plate stud into a properly curved rivet to optimize holding ability.

Fastener Size	Ordering Number
APF100	S100B
APF150	S150B

Belt Maintenance Products

Clipper® 845LD Belt Cutter

For straight, clean, and safe cuts on belts up to 12 mm (1/2") thick. The shielded, double-edged safety blade can be chain-driven from either end of the cutter. Removable clamp bars hold belts securely. Can be hinged and lifted from either end to simplify routine operation and maintenance.

Belt Widths up to:		Description	Ordering Number
mm	in.		
900	36	36" Belt Cutter	845836LD
1200	48	48" Belt Cutter	845848LD
1500	60	60" Belt Cutter	845860LD
1800	72	72" Belt Cutter	845872LD
Replacement Parts			
Wrench Assembly (handle)			820/840WA
Cutter Blade Kit			845-CBK
Optional Squaring Device			840SD

Alligator® 300 Series Belt Cutter

For belts of any width up to 28 mm (1-1/8") thick, the Alligator® 300 Series belt cutter delivers clean, straight cuts quickly and safely. The double-edged blade cuts in either direction. An extra-long blade can also be special ordered for belts up to 39 mm (1-9/16") thick.

Belt Width		Ordering Number
mm	in.	
300	12	300312
450	18	300318
600	24	300324
750	30	300330
900	36	300336
1050	42	300342
1200	48	300348
1500	60	300360

Far-Pul® Light-Duty Belt Clamps

Specially designed steel clamps draw both belt ends together and hold them in perfect alignment to simplify splicing. Each rod accommodates up to 550 mm (22") of adjustment. Can be easily operated by one person. For belts under 30 m (100 ft.) on center.

Belt Width		Ordering Number
mm	in.	
Up to 400	Up to 16	LS1
450-600	18-24	LS2
750-900	30-36	LS2-1/2
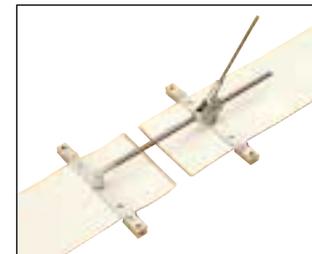
Belt Maintenance Products

Flexco® Belt Groover

Easily cuts groove into the belt surface allowing leading edge of the belt splice to "nest" below the belt surface for reduced splice profile. Can also cut a series of grooves to countersink entire splices.

Ordering Number
FBG1

Card Cutter

Heavy-duty utility knife with easy-grip handle.

Ordering Number
GC-1

Rough-Top Belt Skiver

Durable, hand-operated tool for quick and clean removal of rough top from light- and medium-duty conveyor belting. Permits lower fastener installation to minimize splice profile.

Ordering Number
RTBS

Alligator® Hinge Pin Cutter

Cuts bulk hinge pin cable quickly and easily. Provides a clean cut with no frayed ends.

Ordering Number
APC-1

Belt Nippers

Simple tool notches belt ends to eliminate fraying and avoid splice hang-up.

Ordering Number
BN-1

Belt Grinder

The quick, clean way to countersink Alligator® lacing and staple fasteners. Requires only a 10 mm (3/8") electric or pneumatic drill (2,500 rpm). Cuts the belt instead of burning it, so gummy residue is eliminated.

Ordering Number
RB-1

More Light-Duty Solutions from Flexco

The Wire Hook System

Double staggered grip pattern gives wire hooks substantial holding power without degrading the belt carcass integrity. Choose from a wide selection of wire diameters, leg and point lengths, strip lengths, and styles. For a complete Wire Hook catalog, contact your local distributor, Flexco Customer Service, or log on to www.flexco.com.

Unibar® Fasteners

Wire hooks are welded to a common bar and feature our patented Safety Strip which covers hook point to protect user's fingers. Holds hook legs parallel to ease the "meshing" of belt ends and simplify hinge pin insertion.

Carded Hooks

Individual hooks secured on carding paper for easier handling. Works with any application, including bias splices and troughed belt applications.

ClipMark™ Series Fasteners

Designed for mono/multifilament conveyor belting and filter media up to 4 mm (5/32") thick, and for pulleys as small as 24 mm (15/16"). High width-to-height ratio gives ClipMark™ superior mass and strength for increased reliability.
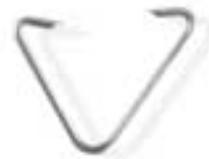
Other Flexco Conveyor Solutions

Flexco® Heavy-Duty Fastener Systems: Hinged and solid plate fasteners for applications up to 263 kN/m (1500 P.I.W.).

Tatch-A-Cleat® Belt Cleats: Easy to install. Choice of specialized compounds make them ideal for wide variety of applications.

Belt Cleaning Products: Complete selection of cleaning solutions includes pre-cleaners, secondary cleaners, and belt plows.

Flex-Lag® Pulley Lagging: Minimize belt slippage with application-matched styles, including conventional rubber and long-wearing ceramic lagging.

Companies that rely on conveyors also rely on

Flexco for belt conveyor maintenance solutions

that help maximize uptime, productivity,

and safety. We offer the most comprehensive

selection of quality products in the industry.

And we back customers with product and

application support second to no one.

For more information, visit our

Web site at **www.flexco.com.**

Or contact us at **+1-630-971-0150,**

or via fax at **+1-630-971-1180.**