



# ALLIGATOR® PLASTIC RIVET Fastener System

## Mechanically Applied Non-Metallic Fastener is a Time and Money- Saving Alternative to Vulcanization

The Alligator® Plastic Rivet fastener system offers the unique ability of being mechanically applied with a portable installation tool, in addition to other non-metallic features such as: non-scratching, non-magnetic, and a quiet splice as it operates over conveyor components. The hinged splice allows for users to remove the hinge pin for easy belt cleaning or installation onto the conveyor system with minimal dismantling. The features of the Alligator Plastic Rivet system make it a low-cost alternative to the time and expense associated with vulcanization.



Key features of the Alligator Plastic Rivet fastener include rivets molded into the top plate for a smooth and flat cleaning surface, beveled front edge of fastener for easy transition over conveyor components, and countersunk installed rivets.

With three color choices available, select the fastener that best fits your needs for applications from -29 °C to 82 °C (-20 °F to 180 °F).

*Black:* UV-resistant for extended life in outdoor applications.

*White:* FDA-accepted material resists weak acids, alkali, hydrocarbons, ester solvents, and alcohols.

*Blue:* FDA-accepted material with the same resistance as the white offering but colored blue to match blue belts used in many food applications.

**Alligator® Plastic Rivet Fastener Selection Chart**

Fastener Size	For Belts With Mechanical Fastener Ratings Up To:		Belt Thickness Range		Recommended Min. Pulley Diameter		Approx. 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

## Installation Tools



### Alligator® Spin-Set Installation Tool

Portable tool simplifies plastic rivet installation anywhere within 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.



### Belt Punch & Curling Bit



### Comb Assembly

Accommodates APF100 and APF150. Gauge pin included.

### Templets

Ensures precise hole locations as well as correct fastener reachback and alignment.

### Plastic Rivet Lube

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

## ALLIGATOR® PLASTIC RIVET Fastener System

Fasteners					
	Belt Width		Description	Ordering Number	Item Code
	mm	in.			
100	600	24	White	APF100W-50	80013
	1200	48	White	APF100W-100	80014
	600	24	Black	APF100B-50	80017
	1200	48	Black	APF100B-100	80018
	600	24	Blue	APF100BLUE-50	80023
	1200	48	Blue	APF100BLUE-100	80024
150	600	24	White	APF150W-50	80011
	1200	48	White	APF150W-100	80012
	600	24	Black	APF150B-50	80015
	1200	48	Black	APF150B-100	80016
	600	24	Blue	APF150BLUE-50	80026
	1200	48	Blue	APF150BLUE-100	80027

Includes Fasteners & Hinge Pin to make one splice

Bulk Fasteners		
Description	Ordering Number	Item Code
White	APF100W-500	80019
Black	APF100B-500	80021
Blue	APF100BLUE-500	80025
White	APF150W-500	80020
Black	APF150B-500	80022
Blue	APF150BLUE-500	80028

Recloseable plastic pail contains 500 fasteners and no Hinge Pins.

Hinge Pins				
Fastener Size	Length		Ordering Number	Item Code
	Meter	Foot		
APF100	3	10	NL250-X	80203
APF100	30	100	NL250-C	80204
APF150	3	10	NL350-X	80201
APF150	30	100	NL350-C	80202

Installation Tools			
*MOTOR DRIVEN INSTALLATION TOOL (Does not include Comb Assembly or Templet. Purchase separately.)			
Voltage	Ordering Number	Item Code	
110V	MDT-1	80110	
220V-50 Cycle	MDT220-1	80111	
*CURLING BIT			
Fastener Size	Ordering Number	Item Code	
APF100	S100B	80075	
APF150	S150B	80076	
*COMB ASSEMBLY (Includes Gauge Pin)			
Length		Ordering Number	Item Code
mm	in.		
300	12	PCA7-300	80099
600	24	PCA7-600	80100
Clamp Knob Assembly			80150

\*Required for Installation

Templets			
Length		Ordering Number	Item Code
mm	in.		
FOR APF100 FASTENERS			
300	12	100T-300	80042
600	24	100T-600	80043
900	36	100T-900	80044
1200	48	100T-1200	80045
FOR APF150 FASTENERS			
300	12	150T-300	80038
600	24	150T-600	80039
900	36	150T-900	80040
1200	48	150T-1200	80041

Belt Punch			
Fastener Size	Hole Dia.	Ordering Number	Item Code
APF100	.130	A100P	80078
APF150	.156	A150P	80079

Plastic Rivet Lube		
Ordering Number	Item Code	Pkg. Qty.
PRL4	80090	1



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