

**NOW**

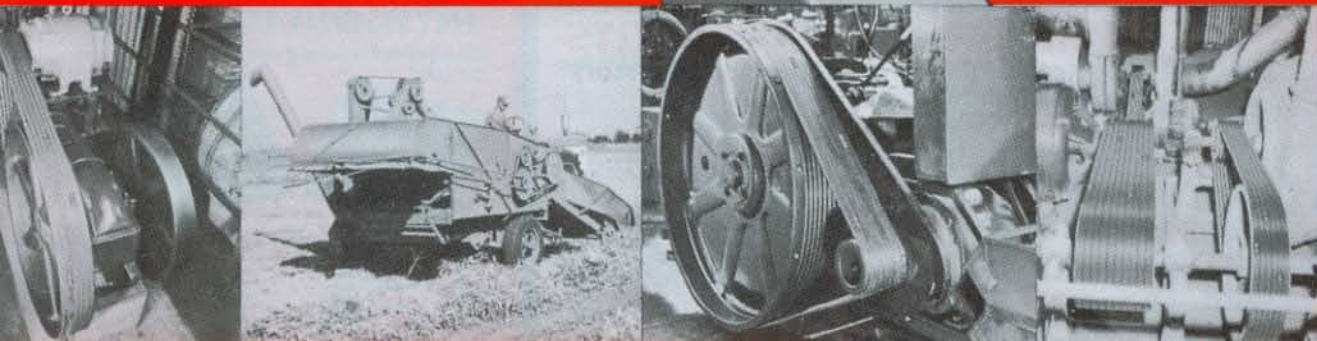
**CUSTOM MADE V-BELTS IN ANY LENGTH WITH ...**

# ALLIGATOR<sup>®</sup> **BELT** FASTENERS

**SIMPLE AS A, B, C,**

**ONE STRONG JOINT**

- One strong joint permit *fast* and *easy* installation on all types of drives, particularly fixed center drives and drives with outboard bearings.
- Conveying with V-belts of either standard or "ruff" top design is now possible.
- V-belts can be made to any length. Center distances are no problem. Also, the high cost of special length belts can be avoided.
- Continual operation of machine is assured. When an endless belt breaks, merely cut off the required length of belt from a roll of Fastener-V-Belting, apply an Alligator V Fastener and the machine is ready to "roll" again.



Some of the products listed in this literature piece are no longer available. Contact Flexco representative to double check.

**BULLETIN  
No. V-227-B**

Supersedes  
Bulletin  
V-227-A3

## THE BELTING . . .

NOTE: Alligator V-Belt Fasteners should be used on a Fastener-V-Belting which is of cross-woven fabric construction. They are not to be used for repairing or splicing conventional endless V-belt of multicord construction. Here is why: - because there are no cross-woven cords in an endless belt, its holding power for a V Fastener is inadequate and a fastener would eventually pull out. Fastener-V-Belting has the necessary strength to eliminate fastener pullout under normal operating conditions.



End of belt enlarged to show construction is:

Manufactured of cross woven duck fabric maximum fastener grip-available in 100' and 250' rolls in the following types:



**CONVENTIONAL "V" TYPE**

Made in A, B, C and D cross sections.



**DOUBLE "V" TYPE**

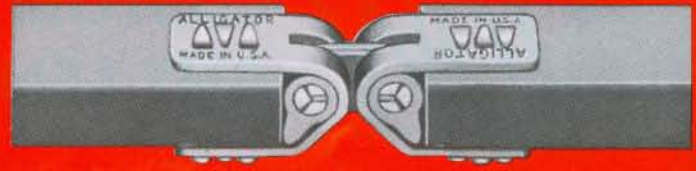
Made only in "BB" cross sections.



**"RUFF TOP"**

Made in A, B, C and D cross sections.

## . . . THE FASTENERS



- A312** - For "A" Belting (Packed 10 Sets per box)
- A312-S** - For "A" Belting (Packed 5 Sets per box)
- B437** - For "B" Belting (Packed 10 Sets per box)
- B437-S** - For "B" Belting (Packed 4 Sets per box)
- C531** - For "C" Belting (Packed 10 Sets per box)
- D750** - For "D" Belting (Packed 10 Sets per box)
- BB4** - For "BB" Double V Belting (Packed 10 Sets per box)

### ALUMINUM END-PLATE FASTENERS FOR HIGH SPEED DRIVES I.E., 400-5500 FPM.

- ALB437** For "B" Belting (Packed 10 Sets per Box)
- ALC531** For "C" Belting (Packed 10 Sets per Box)

REFER TO PRICE SHEET FOR FASTENER SPARE PARTS LIST.

## INSTALLATION TOOLS



**HOLDER**

### REQUIRED

- A31255** - For "A" Fasteners (Included in every box of "A" Fasteners)
- B43755** - For "B" Fasteners
- C53155** - For "C" Fasteners
- BB455** - For "BB" Fasteners

**D75060** - For "D" Fasteners  
\*For "D" Belting a heavy duty piercing tool (not picture) is supplied complete with Rocker Pin Tool.



**ROCKER PIN TOOLS**

### REQUIRED

- For all Fasteners except D4M and A312.
- B43740** - For "B" & "BB" Fasteners
- C62540** - For C, and D Fasteners



**TIGHTENER**

### OPTIONAL

- Desirable for fixed Center Drives-used to pull belt ends together in grooves of sheaves.
- B43750** - For "B" Fastener
- C53150** - For "C" Fastener
- D75050** - For "D" Fastener.



**CUTTER**

### OPTIONAL

- C-62520** - For A, B, BB, C and D belting.

## SAVE! ORDER COMPLETE PACKAGED KITS



**A4**

**B3**

**BB3**

**C3**

**D3**

containing 100' Belting and necessary installation tools-

- A4** - Contains - 100' "A" Belt  
10-A312 Fasteners  
1-A31255 Holder  
100' "B" Belt  
10-B437 Fasteners  
1-B43755 Holder  
1-B43750 RP Tool  
100' "BB" Belt  
10-BB4 Fasteners  
1-BB455 Holder  
1-B43740 RP Tool  
100' "C" Belt  
10-C531 Fasteners  
1-C53155 Holder  
1-C62540 RP Tool  
100' "D" Belt  
10-D750 Fasteners  
1-D75060 Piercing Tool  
1-C62540 RP Tool
- B3** - Contains -
- BB3** - Contains -
- C3** - Contains -
- D3** - Contains -

## INTRODUCTORY KITS

(Inexpensive kits for the small user "A" and "B" belts)



**"SA1"**

### CONTENTS

- 20' "A" Fastener V-Belting
- 1-A31255 Holder
- 5-A312 Alligator V Belt Fasteners

**"SA2"**

### CONTENTS

- 20' "B" Fastener V-Belting
- 1-B43755 Holder
- 4-B437 Alligator V Belt Fasteners
- 1-B43740 RP Tool

## "TOOL ASSORTMENTS"

For the convenience of the user, tool kits for B and C Belting are available

No. B43711

Contents:

- 1-B43755 Holder
- 1-B43750 Tightener
- 1-B43740 RP Tool

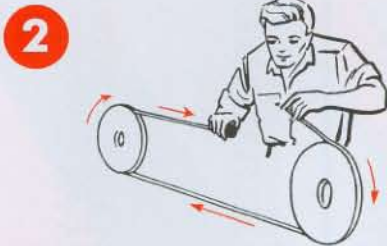
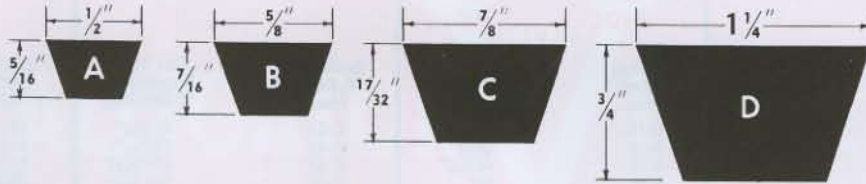
No. C53111

Contents:

- 1-C53155 Holder
- 1-C53150 Tightener
- 1-C62540 RP Tool

# HOW TO DETERMINE BELT LENGTH FOR AN EXISTING DRIVE INSTALLATION\*

- 1 Identify belt cross section to be used by comparing cross section of belting being replaced with dimensions of A, B, C, and D belting shown below.



Determine outside circumference by wrapping a steel tape over the outside diameter of sheaves.

- 3 From measurement arrived at in Step 2.

- a—Convert to pitch length (laid out flat length)
- b—Allow for fastener opening
- c—Allow for initial belt stretch

Refer to correction chart below for this information.

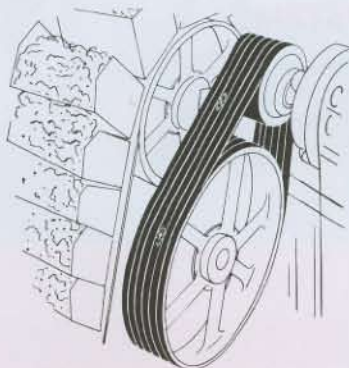
## BELT LENGTH CORRECTION CHART

BELT SIZE	A	B	C	D
Correction deduction converting from outside circumference length to pitch length	7/8"	1 1/4"	1 3/4"	2 1/2"
Fastener Openings	3/8"	3/4"	1"	1"
TOTAL OF ABOVE	1 1/4"	2"	2 3/4"	2 1/2"
Initial Belt Stretch PER FOOT	3/32"	3/16"	3/16"	1/8"

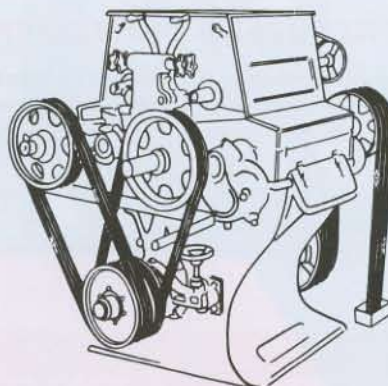
### EXAMPLE

If you have a "B" section drive with outside circumference of 140", deduct 2" for conversion to pitch length and for fastener opening. This leaves 138" from which you must deduct the allowance for initial stretch—3/8" times 11 1/2' (138")—or approximately 2 1/8". You should cut your Fastener-V-Belting 135 7/8" (138-2 1/8") when laid out flat and straight.

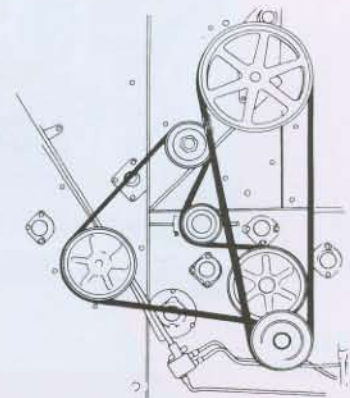
\*When endless V-Belt size is known refer to Fastener-V-Belting replacement chart for correct cut lengths.



SAND & GRAVEL



FLOUR MILL MACHINE



COTTON GIN

# FASTENER-V-BELT REPLACEMENT CHART

## FOR "A" SECTION ENDLESS V-BELT

Endless V-Belt No.	Cut Your Fastener-V-Belting
A-26	26 <sup>1</sup> / <sub>2</sub> "
A-31	31 <sup>1</sup> / <sub>16</sub> "
A-33	33 <sup>7</sup> / <sub>16</sub> "
A-35	35 <sup>7</sup> / <sub>16</sub> "
A-38	38 <sup>3</sup> / <sub>8</sub> "
A-42	42 <sup>3</sup> / <sub>8</sub> "
A-43	43 <sup>3</sup> / <sub>8</sub> "
A-46	46 <sup>5</sup> / <sub>16</sub> "
A-48	48 <sup>5</sup> / <sub>16</sub> "
A-51	51 <sup>5</sup> / <sub>16</sub> "
A-53	53 <sup>1</sup> / <sub>4</sub> "
A-55	55 <sup>1</sup> / <sub>4</sub> "
A-56	56 <sup>1</sup> / <sub>4</sub> "
A-60	60 <sup>3</sup> / <sub>16</sub> "
A-62	62 <sup>3</sup> / <sub>16</sub> "
A-64	64 <sup>3</sup> / <sub>16</sub> "
A-66	66 <sup>3</sup> / <sub>16</sub> "
A-68	68 <sup>3</sup> / <sub>16</sub> "
A-70	70 <sup>1</sup> / <sub>8</sub> "
A-71	71 <sup>1</sup> / <sub>8</sub> "
A-75	75 <sup>1</sup> / <sub>8</sub> "
A-78	78 <sup>1</sup> / <sub>8</sub> "
A-80	80 <sup>1</sup> / <sub>8</sub> "
A-85	85"
A-90	90"
A-96	95 <sup>15</sup> / <sub>16</sub> "
A-105	104 <sup>7</sup> / <sub>8</sub> "
A-112	111 <sup>3</sup> / <sub>16</sub> "
A-120	119 <sup>3</sup> / <sub>4</sub> "
A-128	127 <sup>1</sup> / <sub>16</sub> "
A-136	135 <sup>5</sup> / <sub>8</sub> "
A-144	143 <sup>9</sup> / <sub>16</sub> "

No. A312 Alligator V-Belt Fastener is recommended for joining "A" Section Fastener-V-Belting.

## FOR "B" SECTION ENDLESS V-BELT

Endless V-Belt No.	Cut Your Fastener-V-Belting
B-35	35 <sup>3</sup> / <sub>16</sub> "
B-38	38 <sup>1</sup> / <sub>8</sub> "
B-42	42 <sup>1</sup> / <sub>16</sub> "
B-46	46"
B-48	48"
B-51	50 <sup>15</sup> / <sub>16</sub> "
B-53	52 <sup>1</sup> / <sub>16</sub> "
B-55	54 <sup>7</sup> / <sub>8</sub> "
B-56	55 <sup>7</sup> / <sub>8</sub> "
B-60	59 <sup>3</sup> / <sub>16</sub> "
B-62	61 <sup>3</sup> / <sub>4</sub> "
B-64	63 <sup>3</sup> / <sub>4</sub> "
B-65	64 <sup>3</sup> / <sub>4</sub> "
B-66	65 <sup>1</sup> / <sub>16</sub> "
B-68	67 <sup>1</sup> / <sub>16</sub> "
B-71	70 <sup>5</sup> / <sub>8</sub> "
B-75	74 <sup>9</sup> / <sub>16</sub> "
B-78	77 <sup>1</sup> / <sub>2</sub> "
B-81	80 <sup>1</sup> / <sub>2</sub> "
B-83	82 <sup>7</sup> / <sub>16</sub> "
B-85	84 <sup>7</sup> / <sub>16</sub> "
B-90	89 <sup>5</sup> / <sub>16</sub> "
B-93	92 <sup>5</sup> / <sub>16</sub> "
B-97	96 <sup>3</sup> / <sub>16</sub> "
B-100	99 <sup>3</sup> / <sub>16</sub> "
B-103	102 <sup>1</sup> / <sub>8</sub> "
B-105	104 <sup>1</sup> / <sub>16</sub> "
B-108	107 <sup>1</sup> / <sub>16</sub> "
B-112	111"
B-120	118 <sup>7</sup> / <sub>8</sub> "
B-124	122 <sup>13</sup> / <sub>16</sub> "
B-128	126 <sup>3</sup> / <sub>4</sub> "
B-133	131 <sup>1</sup> / <sub>16</sub> "
B-136	134 <sup>5</sup> / <sub>8</sub> "
B-144	142 <sup>1</sup> / <sub>2</sub> "
B-158	156 <sup>1</sup> / <sub>4</sub> "
B-162	160 <sup>3</sup> / <sub>16</sub> "
B-173	171"
B-180	177 <sup>15</sup> / <sub>16</sub> "
B-195	192 <sup>1</sup> / <sub>16</sub> "
B-210	207 <sup>7</sup> / <sub>16</sub> "
B-225	220 <sup>3</sup> / <sub>4</sub> "
B-240	235 <sup>1</sup> / <sub>2</sub> "
B-255	250 <sup>1</sup> / <sub>4</sub> "
B-270	265"
B-285	279 <sup>13</sup> / <sub>16</sub> "
B-300	294 <sup>9</sup> / <sub>16</sub> "

No. B437 Alligator V-Belt Fastener is recommended for joining "B" section Fastener-V-Belting.

## FOR "C" SECTION ENDLESS V-BELT

Endless V-Belt No.	Cut Your Fastener-V-Belting
C-51	51 <sup>3</sup> / <sub>16</sub> "
C-60	60 <sup>1</sup> / <sub>16</sub> "
C-68	67 <sup>15</sup> / <sub>16</sub> "
C-75	74 <sup>13</sup> / <sub>16</sub> "
C-81	80 <sup>3</sup> / <sub>4</sub> "
C-85	84 <sup>1</sup> / <sub>16</sub> "
C-90	89 <sup>9</sup> / <sub>16</sub> "
C-96	95 <sup>1</sup> / <sub>2</sub> "
C-105	104 <sup>5</sup> / <sub>8</sub> "
C-112	111 <sup>1</sup> / <sub>4</sub> "
C-120	119 <sup>1</sup> / <sub>8</sub> "
C-128	127"
C-136	134 <sup>3</sup> / <sub>8</sub> "
C-144	142 <sup>3</sup> / <sub>4</sub> "
C-158	156 <sup>1</sup> / <sub>2</sub> "
C-162	160 <sup>7</sup> / <sub>8</sub> "
C-173	171 <sup>5</sup> / <sub>16</sub> "
C-180	178 <sup>3</sup> / <sub>16</sub> "
C-195	192 <sup>15</sup> / <sub>16</sub> "
C-210	207 <sup>1</sup> / <sub>16</sub> "
C-225	220 <sup>1</sup> / <sub>2</sub> "
C-240	235 <sup>1</sup> / <sub>4</sub> "
C-255	250"
C-270	264 <sup>13</sup> / <sub>16</sub> "
C-285	279 <sup>9</sup> / <sub>16</sub> "
C-300	294 <sup>5</sup> / <sub>16</sub> "
C-315	309 <sup>1</sup> / <sub>16</sub> "
C-330	323 <sup>3</sup> / <sub>8</sub> "
C-345	338 <sup>5</sup> / <sub>8</sub> "
C-360	353 <sup>3</sup> / <sub>8</sub> "
C-390	382 <sup>15</sup> / <sub>16</sub> "
C-420	412 <sup>7</sup> / <sub>16</sub> "

No. C531 Alligator V-Belt Fastener is recommended for joining <sup>1</sup>/<sub>2</sub>" thick "C" section Fastener-V-Belting.

## FOR "D" SECTION ENDLESS V-BELT

Endless V-Belt No.	Cut Your Fastener-V-Belting
D-120	120 <sup>1</sup> / <sub>4</sub> "
D-128	128 <sup>1</sup> / <sub>4</sub> "
D-144	144"
D-158	157 <sup>7</sup> / <sub>8</sub> "
D-162	161 <sup>3</sup> / <sub>8</sub> "
D-173	172 <sup>5</sup> / <sub>8</sub> "
D-180	179 <sup>5</sup> / <sub>8</sub> "
D-195	194 <sup>1</sup> / <sub>2</sub> "
D-210	209 <sup>1</sup> / <sub>4</sub> "
D-225	221 <sup>5</sup> / <sub>8</sub> "
D-240	236 <sup>1</sup> / <sub>2</sub> "
D-255	251 <sup>3</sup> / <sub>8</sub> "
D-270	266 <sup>1</sup> / <sub>8</sub> "
D-285	281"
D-300	295 <sup>7</sup> / <sub>8</sub> "
D-315	310 <sup>3</sup> / <sub>4</sub> "
D-330	325 <sup>1</sup> / <sub>2</sub> "
D-345	340 <sup>3</sup> / <sub>8</sub> "
D-360	355 <sup>1</sup> / <sub>4</sub> "
D-390	385"
D-420	414 <sup>5</sup> / <sub>8</sub> "
D-480	474"
D-540	533 <sup>3</sup> / <sub>8</sub> "
D-600	592 <sup>3</sup> / <sub>4</sub> "

No. D750 Alligator V-Belt Fastener is recommended for joining "D" section Fastener-V-Belting.

## MANUFACTURERS' NUMBERING SYSTEMS

There are several numbering systems used by V-Belting manufacturers. All the numbers in each column identify the same length belts.

A-26	B35	C51	D120
26A	35B	51C	120D
2A6	3B5	5C1	1D20

# FLEXIBLE STEEL LACING COMPANY

2525 WISCONSIN AVENUE, DOWNERS GROVE, ILLINOIS 60515 U.S.A.