

# Wedlok<sup>®</sup>... the unique V-shaped splice

In hundreds of operations throughout the world, the Wedlok splice has replaced the vulcanized splice on heavy-duty conveyor and elevator belts. There's no longer any doubt about it. Wedlok works. And here's how.

## A precise combination of standard and special fasteners

The long arms of the "V" are made from Flexco<sup>®</sup> solid plate fasteners, the most rugged and abrasion resistant belt fasteners available. The standard No. 2 size fastener is the one used.

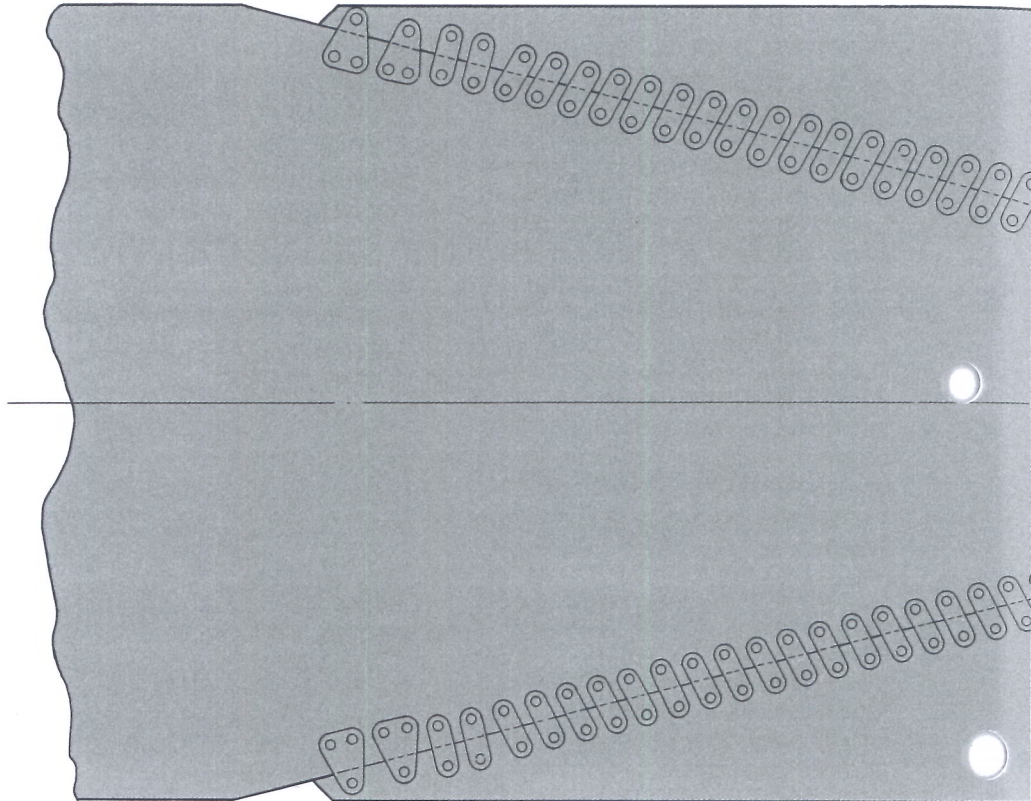
Special Wedlok fasteners are used at the ends of the splice: a tip fastener and two chevron fasteners at the leading end, and two tail fasteners at each of the trailing ends.

## Fastener placement assures a tight, permanent seal

The No. 2 Flexco fasteners are installed at a predetermined angle across the splice cut. At this angle, the fasteners rotate slightly under tension, forcing the cut edges of the belt together...*giving Wedlok its unique holding ability.*

The Wedlok fasteners stabilize this movement and securely anchor the tip and tail ends of the splice. And to relieve stress, two Flexco fasteners at each end of the splice are installed at a different angle than the others.

Use of the Wedlok templates makes correct fastener placement easy. So nothing is left to chance. And a trouble-free, long-lasting splice is assured.



## Tension rating determines the "lead"

The ratio of splice length to belt width is called "lead". And the higher the lead, the stronger the splice. But

a high lead isn't always necessary. So check the tension ratings and motor sizes in one of the following tables to determine the lead needed in your application.

### Lead Selection Chart (U.S. Units)

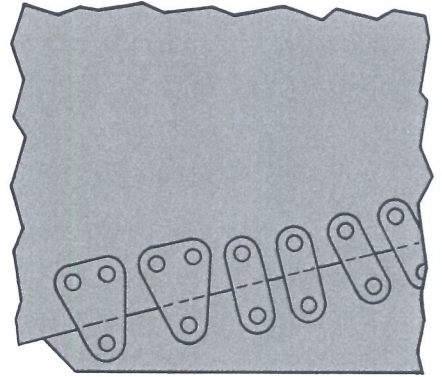
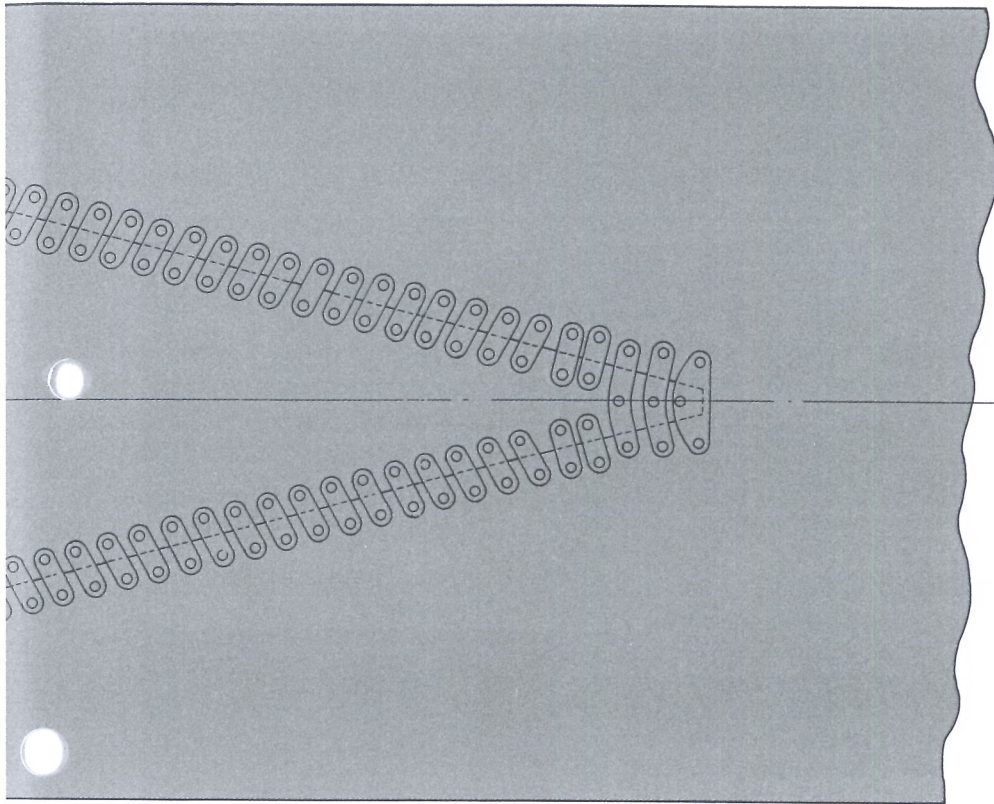
	Lead: 2	Lead: 2½	Lead: 3
Tension Rating in lbs. per inch of belt width	to 400	400-500	500-700
Approx. Motor Size in H.P. per inch of belt width at 500 F.P.M.	to 5	5-6	6-8

### Lead Selection Chart (Metric Units)

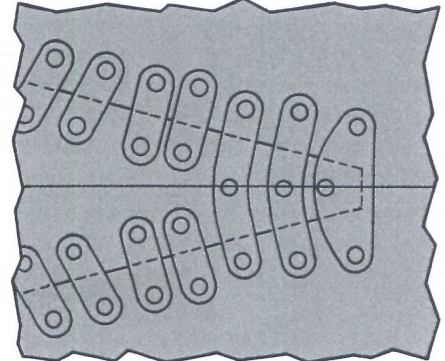
	Lead: 2	Lead: 2½	Lead: 3
Tension Rating in kilonewtons per meter	to 70	70-88	88-123
Approx. Motor Size in kilowatts per meter of belt width at 150 meters per minute.	to 150	150-175	175-235







Trailing end of splice



Tip end of splice

### Belt Length Required (U.S. Units)

Belt Width (in.)	Belt Length (in.)		
	Lead: 2	Lead: 2½	Lead: 3
18	—	—	54
24	48	60	72
30	60	75	90
36	72	90	108
42	84	105	126
48	96	120	144
54	108	135	162
60	120	150	180
72	144	180	216

### Belt width and lead determine the belt length required

Having selected the appropriate lead number, multiply it by the width of the belt. The result is the length of belt required to make the Wedlok splice. For several common belt widths, the required lengths are shown in the tables at the left.

### Belt Length Required (Metric Units)

Belt Width (mm.)	Belt Length (mm.)		
	Lead: 2	Lead: 2½	Lead: 3
450	—	—	1350
600	1200	1500	1800
750	1500	1875	2250
900	1800	2250	2700
1050	2100	2625	3150
1200	2400	3000	3600
1350	2700	3375	4050
1500	3000	3750	4500
1800	3600	4500	5400

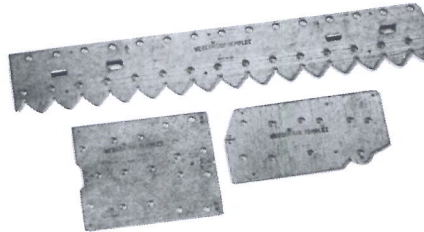
# X Installation tools

All that's required to install a Wedlok splice is a set of Wedlok templets and a few simple hand or power tools.

## Templets

All Wedlok splices can be made with a single set of Wedlok templets. Each templet set contains a tip, a tail, and a side templet. The standard side templet is 18" (457 mm.) long, how-

ever, and a 72" (1829 mm.) long side templet can be ordered separately to speed installation.



## Templet Ordering Numbers

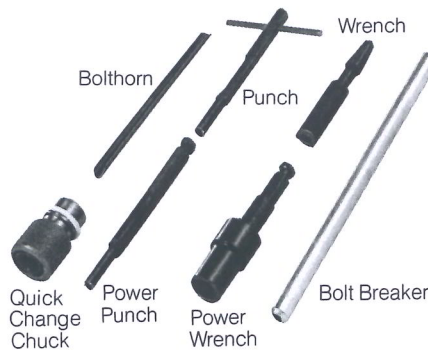
Item	Contents	Ordering No.	Item Code
Wedlok Templet Set	One each tip, tail, & side templets	T2W	20204
Side Templet 72" long	Side templet 72" long (used with T2W to speed side punching)	T2WS72	20205

## Hand or power tools

To install a Wedlok splice you need a punch to put holes in the belt; a bolthorn to ease the bolts into the fastener top plates; a wrench to tighten the bolts; and two bolt breakers to break off the excess bolt after assembly. Use of an air or electric impact tool with the punch and the wrench can cut installation time by approximately 50%.

A quick change chuck adapts Flexco tools to square drive stud on air or electric impact tool Order No.

5552 for 1/2" impact tools or No. A 9257 for 5/8" impact tools.



## Hand or Power Tool Ordering Numbers

	Punch	Bolthorn	Wrench	Bolt Breakers**
Hand tool:	P2P*	2BH	S2S	112
Power tool:	HP2	2BH	HW2	112

\*Formerly designated No. 2 Punch

\*\*Formerly designated No. 2 Bolt Breaker



# Ordering information

Ordering fasteners for a Wedlok splice is easy. Simply select the appropriate Wedlok kit and Flexco fasteners. Then use the ordering numbers and item codes shown to find price and shipping weight on the current Flexco price sheet.

## Wedlok kits

A Wedlok splice kit contains the necessary tip, chevron, and tail fasteners for one V-shaped splice. In the standard kit, the fasteners have stainless top plates. But other kits are offered with all stainless fasteners or non-magnetic Everdur® fasteners. Replacement kits with leading end or trailing end fasteners are also available.

Everdur is a trademark of the Anaconda Company.



## Wedlok Kit Ordering Numbers

Item	Contents	Ordering No.	Item Code
Wedlok Splice Kit	1 set of tip fasteners 2 sets of chevron fasteners 4 sets of tail fasteners bolts, nuts & clips Stainless top plates, balance steel	2W	20200
Wedlok Stainless Splice Kit	All Stainless Wedlok kit (contents same as above)	2WS	20201
Wedlok Everdur Splice Kit	All Everdur Wedlok kit (contents same as above)	2WE	20197
Leading End Replacement Kit	2 sets of tip fasteners 4 sets of chevron fasteners	2WL	20202
Trailing End Replacement Kit	6 sets of tail fasteners	2WT	20203

## Flexco fasteners

The quantity of standard No. 2 fasteners required in a Wedlok splice varies with the size of the splice. So first determine the quantity required from the table below. Then order the number of "E" boxes needed. Each "E" box contains 25 fastener sets. And there are four "E" boxes to a shipping carton. If your belt is more than 7/8" (22 mm.) thick, be sure to specify extra long bolts.

## "E" Box Ordering Numbers (No. 2 Fasteners)

Metal	Ordering No.	Item Code
Stainless Top Plate Balance Steel	2EST	20123
All Stainless	2ES	20039
Everdur	2EE	20095

## Flexco Fasteners Required for one Wedlok Splice

Belt Width		Fasteners Required		
(in.)	(mm.)	Lead: 2	Lead: 2½	Lead: 3
18	450	—	—	40
	600	38	48	62
24	750	38	48	62
	900	52	64	78
30	1050	52	64	80
	1200	66	82	102
36	1350	80	98	122
	1500	80	100	122
42	1650	94	118	142
	1800	94	118	144
48	1950	108	136	164
	2100	122	150	184
54	2250	122	152	186
	2400	150	186	224
60	2550	150	188	226
	2700	—	—	—