

# PRICE LIST

CATALOG NUMBER PL-2015



BELT FASTENERS & TOOLS



Bringing value through innovative products and personal service, we design and produce unique fasteners in America's heartland.

Manufactured non-stop under our watchful inspection, our conveyor belt fasteners are used for applications throughout the world. Proud of our ability to offer the highest quality, we welcome your suggestions in our efforts to constantly improve.

**Call us today!**

P (630) 655-4205 | (800) 323-7093  
 F (630) 655-4209  
 cai@conveyoraccessories.com  
 conveyoraccessories.com

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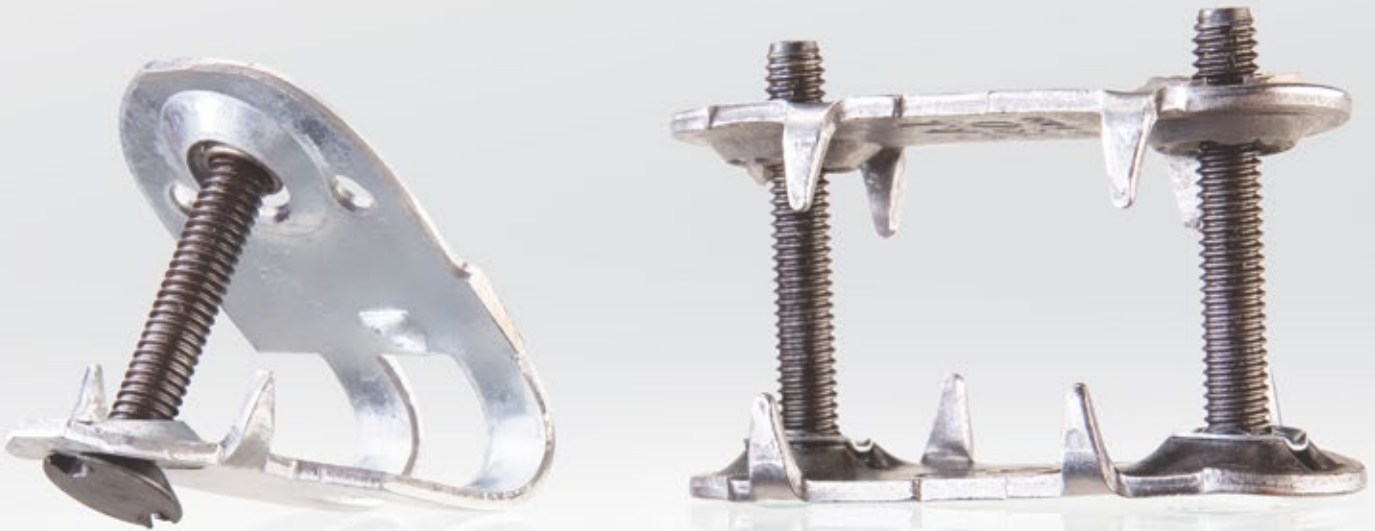
# PLATEGRIP™



**For use with high-tensile and PVC belting. Designed with broader, heavier teeth for a stronger joint and reduced strain behind the splice.**

The teeth overlap the edges of the plates and provide extra holding power on thin belts. Passing smoothly over conveyor pulleys, Plategrip fasteners allow natural troughing of belts and smooth operation on both sides, through trippers and scrapers, as well as over crowned or takeup pulleys.

All buckets of solid plate fasteners have pre-assembled bolts and bottom plates that utilize our patented system, which includes the use of a special thin metal washer to clinch the bolt to the bottom plate during installation of the belt fasteners. This has proven to be superior to the use of plastic or nylon washers, which can slide along the bolt threads.



# PLATEGRIP



**Plategrip Fasteners** can be used on belts of any width and of varying thicknesses. They are available in a broad variety of standard and special metals to ensure long life, resistance to corrosion, and exceptional tolerance to abrasive materials.

## 25 STEEL SETS

NUMBER
1E
140E
190E
1¼E
1½E
2E
2½*
3*

\*10 Sets / Box

## 100 STEEL SETS

NUMBER
1C
140C
190C
1¼C
1½C
2C
2½L*
3L*

\*50 Sets / Bucket

## 25 SETS STAINLESS TOP PLATES BALANCE STEEL

NUMBER
1EST
140EST
190EST
1½EST
2EST

## 25 SETS STAINLESS TOP AND BOTTOM PLATES

NUMBER
1ES
140ES
190ES
1½ES
2ES

## 100 STAINLESS SETS TOP AND BOTTOM PLATES

NUMBER
1CS
140CS
190CS
1½CS
2CS



## PACKAGING & INSTALLATION

**Es** are shipped in easy-to-handle boxes of 25 sets, bottom plates assembled with sufficient top plates, nuts, template nails, and instructions. Multiple boxes are shipped in over-cartons containing four or eight boxes.

**Cs** are shipped in watertight buckets of 100 assembled bottom plates with sufficient top plates, nuts, template nails, and instructions. Bucket Opener pricing can be found on page 43.

**Ls** are shipped in watertight buckets of 50 assembled bottom plates with sufficient top plates, nuts, template nails, and instructions.



**INSTALLATION TOOLS ARE SHOWN ON PAGES 8 TO 11.**

**25 SETS DURGARD TOP PLATES  
BALANCE STEEL**

NUMBER
1EDT
140EDT
190EDT
1¼EDT
1½EDT
2EDT
2½DT*
3DT*

\*10 Sets/Box

**100 SETS DURGARD TOP PLATES  
BALANCE STEEL**

NUMBER
1CDT
140CDT
190CDT
1¼CDT
1½CDT
2CDT
2½LDT*
3LDT*

\*50 Sets/Bucket

**25 SETS DURGARD  
TOP AND BOTTOM PLATES**

NUMBER
1ED
140ED
190ED
1¼ED
1½ED
2ED
2½D*
3D*

\*10 Sets/Box

**100 SETS DURGARD  
TOP AND BOTTOM PLATES**

NUMBER
1CD
140CD
190CD
1¼CD
1½CD
2CD
2½LD*
3LD*

\*50 Sets/Bucket

# SELECTING SIZE, QUANTITY & METAL

The two keys to selecting proper size are belt thickness and pulley diameter. This chart indicates the Plategrip belt fastener size number for various combinations of belt thickness and pulley diameter.

MIN. PULLEY DIAMETER (MM)	BELT THICKNESS (MM)	PLATEGRIP SIZE
300	4.7–11.0	1
355	4.7–11.0	140
460	7.9–14.3	190
355	9.5–12.7	1¼
460	11.0–17.5	1½
760	14.3–20.6	2
1070	19.0–25.4	2½
1220	≥ 23.8	3

A 90° splice is generally used where pulley diameter and belt thickness correspond to recommendations in the chart above.

The 45° splice should be used where pulley diameters are smaller than the recommended minimum diameter. The 45° splice will reduce flexing of belts behind the fastener and has the same strength as the corresponding 90° splice.

**NUMBER OF FASTENER SETS  
REQUIRED FOR VARIOUS BELT WIDTHS**

SIZE NO.	1, 140, 190		1¼, 1½, 2		2½, 3	
	90°	45°	90°	45°	90°	45°
300	10	12	8	10	6	7
400	13	17	10	14	8	10
450	15	19	12	16	9	12
500	16	22	13	18	10	13
600	20	26	16	21	13	17
650	22	29	17	23	14	18
700	23	31	18	25	15	20
750	25	33	20	27	16	21
900	30	41	24	33	19	26
1050	35	48	28	39	22	31
1200	40	55	32	44	26	35
1500	50	69	40	55	32	44
1800	60	83	48	68	39	53

**STEEL** is the most common and economical belt fastener material and is the standard for most applications. Steel fasteners are manufactured in a broad variety of sizes and shapes, and are suitable for use in new equipment or as replacement fasteners.

**DURGARD** is a special heat-treated steel with abrasion-resistant characteristics that provide several times the life of standard steel. Durgard Plategrip fasteners are not recommended for use in highly corrosive environments, but are instead specially formulated for abrasive situations.

**STAINLESS STEEL** fasteners are best for applications where erosion is a major problem. Stainless steel is more resistant to abrasions, acids, chemicals, and magnetic attraction than standard steel. Plategrip fasteners are available in complete stainless steel sets, or with the top plate made of stainless steel and the balance standard steel.



## Hinged Plategrip™ Fasteners

are ideally suited for applications where the loading and delivery points frequently change, such as mine, pit, quarry, and construction sites.

A compression-type fastener secured by bolts, the Hinged Plategrip provides tremendous holding power with good troughing action, while being readily separable after easy installation.

**Note:** Each matched set contains one complete joint with hinge pin, nuts and bolts, and filler tubing included.

### STEEL MATCHED SETS

NUMBER
X550-16
X550-18
X550-20
X550-24
X550-26
X550-30
X550-36
X550-42
X550-48
X550-54
X550-60

### STEEL MATCHED SETS

NUMBER
X375-12
X375-14
X375-16
X375-18
X375-20
X375-24
X375-26
X375-30
X375-36
X375-42
X375-48
X375-60

### STEEL BULK PACKS (INCLUDES NUTS AND BOLTS)

NUMBER	DESCRIPTION
X375-2	25 SETS
X375-3	18 SETS
X550-1	50 SETS
X550-3	18 SETS

### STAINLESS MATCHED SETS

NUMBER
X550-16S
X550-18S
X550-20S
X550-24S
X550-26S
X550-30S
X550-36S
X550-42S
X550-48S
X550-54S
X550-60S

### STAINLESS MATCHED SETS

NUMBER
X375-18S
X375-24S
X375-30S
X375-36S
X375-42S
X375-48S
X375-60S



INSTALLATION TOOLS ARE SHOWN ON PAGES 8 TO 11.

**STAINLESS STEEL BULK PACKS  
(INCLUDES NUTS AND BOLTS)**

NUMBER	DESCRIPTION
X375-2S	25 SETS
X375-3S	18 SETS
X550-1S	50 SETS

**DURGARD BULK PACKS  
(INCLUDES NUTS AND BOLTS)**

NUMBER	DESCRIPTION
X550-1D	50 SETS

**DURGARD**

NUMBER
X550-18D
X550-24D
X550-30D
X550-36D
X550-42D
X550-48D
X550-60D

**Hinge Pins** are made of steel cable covered in nylon, the standard for long wear. Alternatives include bare steel or stainless steel.

NUMBER	STYLE
NC	NYLON-COVERED STEEL CABLE
NCS	NYLON-COVERED STAINLESS CABLE
SC	BARE STEEL CABLE
SSC	BARE STAINLESS STEEL CABLE

Order by specifying type of pin and width of belt. Example: NC-900

**STEEL CABLE**

SIZE (MM)	NC	SC
300		
350		
400		
450		
500		
600		
650		
750		
900		
1050		
1200		
1350		
1500		
1800		

**SELECTING  
SIZE AND METAL**

**HINGED PLATEGRIP  
SPECIFICATIONS**

MIN. PULLEY DIAMETER (MM)	BELT THICKNESS (MM)	KN / M	SIZE (MM)
150	6.4–10.3	34	X375
225	6.4–15.9	52	X550

**STEEL** is the most common and economical belt fastener material. It is the standard for most applications. Steel fasteners are plated to resist moisture and are available in matched sets ordered by width of belt or as X550-1, X550-3, X375-2, or X375-3, in bulk packs.

**DURGARD** is a special heat-treated steel with abrasion-resistant characteristics that provide several times the life of standard steel. Hinged Durgard fasteners are not recommended for use in corrosive environments, but are instead specially formulated for abrasive situations.

**STAINLESS STEEL** fasteners—nickel and chrome alloy—are best for applications where erosion is a major problem. Stainless steel is more resistant to abrasions, acids, chemicals, and magnetic attraction than standard steel. Plategrip fasteners are available in complete stainless sets.

**STAINLESS STEEL CABLE**

SIZE (MM)	NCS	SSC
400		
450		
500		
600		
650		
750		
900		
1050		
1200		
1350		
1500		
1800		

## Custom Installation Tools

All tools are engineered for ease of use for installation by means of either hand tools or power-assisted tools. Proper installation will yield the best life from your belt splice.

### TOOL SELECTOR



FASTENER SIZE	BOLT BREAKER	BORING BIT	POWER BORING BIT	HAND PUNCH	POWER PUNCH	SPANNER WRENCH	POWER HEX SPANNER	POWER SOCKET SPANNER	POWER HEX WRENCH	POWER SOCKET WRENCH	HAND HEX WRENCH
1, 140, 190, X550*, X375*, RP1	1	1B	1PB	10	11	S1S	PS1	P612	PH160	SP160S	S100
1¼, 1½, 2, RP2	2	2B	2PB	20	22	S2S	PS2	P614	PH180	SP180S	—
2½, 3	3	3B	3PB	30	33	S3S	PS3	P616	—	—	—

\*Note: X375 and X550 steel fasteners require the use of the PH160 or S100 to tighten nuts. X375S and X550S stainless steel fasteners require the use of the PS1 or P612 to tighten nuts.

### Bolt Breaker

Used to break off excess bolt above fastener after assembly. Sold in packs of two.

NUMBER
#1
#2
#3

### Power Boring Bit

Bores bolt holes in belting. Belt slugs eject through open slot.

NUMBER
#1PB
#2PB
#3PB

### Boring Bit

Bores holes in all materials. Slot eases removal of scrap.

NUMBER
#1B
#2B
#3B

### Hand Punch

Punches bolt holes in belting material. Wear eye protection when striking punch.

NUMBER
#10
#20
#30



## Power Punch

Bores bolt holes in toughest material. Tapered hole ejects belt slugs.

NUMBER
#11
#22
#33

## Spanner Wrench

For use with carpenter's brace to tighten nuts.

NUMBER
S1S
S2S
S3S

## Power Hex Spanner

Special heat-treated steel ensures long life. Hex drive designed for use with 5552 Chuck. Includes steel nut sleeve.

NUMBER
PS1
PS2
PS3

## Power Socket Spanner

Used with hand ratchet SKCU-RAT or power drive tool, these sockets are used where spanner is preferred to hexagonal drive.

NUMBER
P612
P614
P616

## Power Hex Wrench

Has hex opening instead of spanner. Made with 11.1 mm hex male top.

NUMBER
PH160
PH180

## Power Socket Wrench

Long-life socket wrenches are made of alloy steel and are heat-treated.

NUMBER
SP160S
SP180S

## Hand Hex Wrench

For use with carpenter's brace to tighten nuts.

NUMBER
S100

# TOOL KITS

These special tools are offered in convenient money saving kits for both Plategrip and Hinged Plategrip. Each kit includes two Bolt Breakers, one Power Punch, and one Power Wrench.

All tool kits include a Power Hex Spanner except the TK-550, which requires a Power Hex Wrench PH160.

NUMBER	USE WITH
TK1	1, 140, 190 & RP1
TK2	1¼, 1½, 2 & RP2
TK3	2½, 3
TK550S	HINGED PLATEGRIP X375, X550 STAINLESS STEEL
TK550	HINGED PLATEGRIP X375, X550 STEEL

## Quick Change Chuck

Adapts 12.7 mm square male drive power tool for tools with 11.1 mm male hexagonal tops.



NUMBER

5552

## Impact Wrench Kit

A battery-powered impact wrench to use with the 5552 Quick Change Chuck to punch holes and tighten nuts. Complete with 12.7 mm impact driver, two batteries, charger, and carrying case. 2.0 kg and 18 V. Bosch® three-year warranty.



NUMBER

22618

## Templates

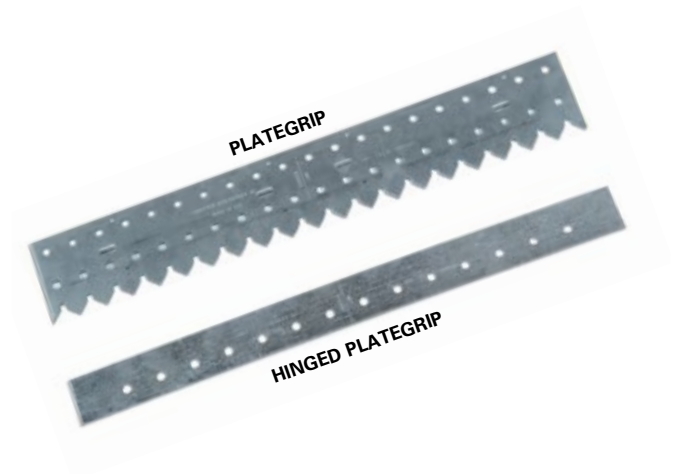
Furnished 90° unless otherwise specified. Curved templates are used only with X375 and X550 Plategrip fasteners. In ordering templates, always show size of fastener and width of belt.

Examples: one No.190 Template 750 mm = 190T-750 mm

X375 Template 900 mm = 3900

X550 Template 900 mm = 5900

BELT WIDTH	PLATEGRIP		HINGED PLATEGRIP CURVED	
	90°	45°	X375	X550
300				
350				
400				
450				
500				
600				
650				
750				
900				
1050				
1200				
1350				
1500				
1800				



**Repair Plates** are used to prolong life of belts that have been torn, require patching of worn spots, or have "soft spots." Repair plates should be used only across the belt and never applied so they travel lengthwise over the pulley.



NUMBER	DESCRIPTION
<b>RP1E</b>	25 SETS
<b>RP2E</b>	25 SETS
<b>RP1C</b>	100 SETS
<b>RP2C</b>	100 SETS

## Belt Tape 33 M Roll

For eliminating ripples and sealing splices.



NUMBER	DESCRIPTION
<b>P7</b>	1, 140, 1¼
<b>P11</b>	190, 1½, 2, X550

## Nut Buster

Allows replacement of selected plates, such as under skirt board wear points, by busting nuts from bolt assembly.

NUMBER
<b>NB1</b>
<b>NB2</b>
<b>NB3</b>



# SHIPPING WEIGHT

## PLATEGRIP SHIPPING WEIGHT (KG)

SIZE	10 SETS	25 SETS	100 SETS
<b>1</b>	–	1.3	5.0
<b>140</b>	–	1.8	7.3
<b>190</b>	–	2.2	8.9
<b>1¼</b>	–	2.1	8.9
<b>1½</b>	–	2.5	10.0
<b>2</b>	–	3.4	13.6
<b>2½</b>	2.9	–	29.0
<b>3</b>	3.2	–	31.8
<b>RP1</b>	–	2.0	8.2
<b>RP2</b>	–	4.5	17.7

## HINGED PLATEGRIP SHIPPING WEIGHT (KG)

SIZE (MM)	WEIGHT	SIZE (MM)	WEIGHT
<b>X375-450</b>	1.5	<b>X550-450</b>	1.5
<b>X375-600</b>	1.8	<b>X550-600</b>	1.9
<b>X375-650</b>	2.0	<b>X550-650</b>	2.2
<b>X375-750</b>	2.3	<b>X550-750</b>	2.5
<b>X375-900</b>	2.9	<b>X550-900</b>	3.0
<b>X375-1050</b>	3.3	<b>X550-1050</b>	3.5
<b>X375-1200</b>	3.8	<b>X550-1200</b>	4.0
–	–	<b>X550-1350</b>	4.5
<b>X375-1500</b>	4.6	<b>X550-1500</b>	4.8

## Extra Supplies

### Plategrip Steel Nuts

Price per 100.

NUMBER
1N
140N
190N
1¼N
1½N
2N
2½N
3N
RP1N
RP2N

### Plategrip Steel Bolts

Price per 100.

NUMBER
1B
140B
190B
1¼B
1½B
2B
2½B
3B
RP1B
RP2B

### Plategrip Stainless Steel Nuts

Price per 100.

NUMBER
1NS
140NS
190NS
1½NS
2NS

### Plategrip Stainless Steel Bolts

Price per 100.

NUMBER
1BS
140BS
190BS
1½BS
2BS

### Hinged Plategrip Steel Extra Supplies

Extra supplies for use with X375 and X550.

NUMBER	DESCRIPTION
X550N	NUTS 100/PACK
X550B	BOLTS 100/PACK
X550C	CLIPS 100/PACK
X550FT	FILLER TUBING/300 mm
X550NC	CABLE/300 mm
X550RW	RETAINER WASHERS 50/PACK

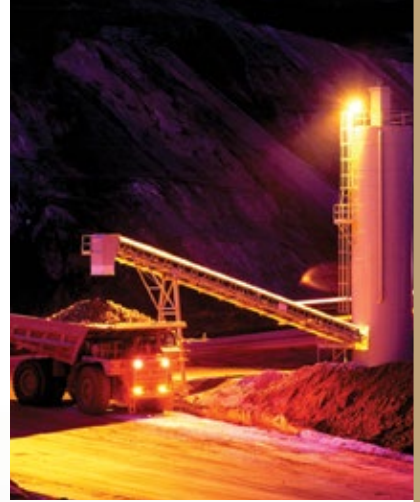
### Hinged Plategrip Stainless Steel Extra Supplies

Extra supplies for use with X375S and X550S.

NUMBER	DESCRIPTION
X550NS	NUTS 100/PACK
X550BS	BOLTS 100/PACK
X550NCS	CABLE/300 mm



# RIV-NAIL™



**Improves the installation of hinged rivet fasteners on newer, synthetic high-strength belt fabrics, manufactured with special tempered steel to form the beveled ends and yield a smooth, low profile.**

A design pattern composed of two to eight Riv-Nails allows for the fasteners to be clinched for maximum pull-out resistance — as the pilot nails do not cut the fabric, but divide it, and allow the rivets to slide between fill and warp yarns. The Riv-Nail is a compression fastener and, as such, does not rely entirely on the belt fabric for resistance to fastener pull-out.



## Rivet Hinge Fasteners are used

for major applications that require high strength and small pulleys. These include construction equipment, agriculture, wood products, and mining. Underground mining makes extensive use of these products for conveyors and structures that are extended or withdrawn in the course of mining. All fastener strips are sold one set per carton.



### R-2 Rivet Fasteners

With R-2 rivet fasteners, installation is a breeze! You get an advantage over the 375 nut-and-bolt design, where holes must be aligned and punched before installation begins. Plus, the use of fewer rivets translates into additional material and labor savings. R-2 rivet fasteners are available in both galvanized and stainless steel.

#### STEEL R-2 RIVET FASTENER

NUMBER
R-2-18
R-2-24
R-2-30
R-2-36
R-2-42
R-2-48
R-2-60
R-2-72

#### NON-MAGNETIC STAINLESS RS-2 RIVET FASTENER

NUMBER
RS-2-18
RS-2-24
RS-2-30
RS-2-36
RS-2-42
RS-2-48
RS-2-60
RS-2-72



### R-3 Rivet Fasteners

Installation is fast! Consider the advantages over 375 and 550 nut-and-bolt design, where holes must be aligned and punched before installation begins. With the R-3, there are 40% fewer Riv-Nails than with the larger R-5 version. All this adds up to material and labor savings.

#### STEEL R-3 RIVET FASTENER

NUMBER
R-3-18
R-3-24
R-3-30
R-3-36
R-3-42
R-3-48
R-3-60

#### NON-MAGNETIC STAINLESS RS-3 RIVET FASTENER

NUMBER
RS-3-18
RS-3-24
RS-3-30
RS-3-36
RS-3-42
RS-3-48
RS-3-60



INSTALLATION TOOLS ARE SHOWN ON PAGES 24 TO 28.

## TR-4 Rivet Fasteners

The TR-4 is a “true” four-rivet fastener used on belts up to 11.1 mm thick and 68 kN/m. An advantage of the TR-4 is that, for the majority of applications involving two-ply and three-ply belts, up to 68 kN/m full-rated working tension can be achieved. The TR-4 also uses 20% fewer rivets, for a huge savings in both materials and labor.



### STEEL TR-4 RIVET FASTENER

NUMBER
TR-4-18
TR-4-24
TR-4-30
TR-4-36
TR-4-42
TR-4-48
TR-4-54
TR-4-60
TR-4-72

### NON-MAGNETIC STAINLESS TRS-4 RIVET FASTENER

NUMBER
TRS-4-18
TRS-4-24
TRS-4-30
TRS-4-36
TRS-4-42
TRS-4-48
TRS-4-54
TRS-4-60
TRS-4-72

## SELECTING SIZE AND METALS

Rivet Hinge fasteners are available in R-2 through R-8 sizes, which fit belts 3.1 to 19.1 mm thick. The fastener strip is cross-scored so it can be easily broken by hand to fit any belt width. Fastener strips are packaged as one set/carton. Hinge pins and Riv-Nail selections are made according to belt thickness and style. These are sold separately.

### RIVET HINGE SPECIFICATIONS

PULLEY DIAMETER (MM)	BELT THICKNESS (MM)	KN / M	FASTENER SIZE
125	3.1–9.4	60	<b>2</b>
150	4.7–9.4	60	<b>3</b>
225	5.6–11.1	68	<b>4</b>
225	5.6–11.1	79	<b>5</b>
300	9.4–15.1	140	<b>5½</b>
450	10.3–19.1	210	<b>6</b>
450	10.3–19.1	263	<b>TRC-6, 8</b>

## STEEL

Conveyor Accessories uses special grades of high-strength steel that have been annealed for extra durability. These grades may yield 25 to 35% greater tensile strengths and have improved properties for long life and wear, compared to some steel fasteners. The R-2 and R-3 are made of galvanized coated steel, while TR-4, R-5, R-5½, and R-6 are fully plated with a zinc “silver” luster to protect all surfaces of the metal.

## STAINLESS STEEL

There are many grades of stainless steel, each having properties that enhance the service life of conveyor belt fasteners. CAI uses three different designations:

**RLC** is available for RLC-5, RLC-5½, and RLC-6 fasteners. This low-chrome material offers enhanced benefits over regular steel for wear and corrosion.

**RC/ TRC** is high-chrome stainless plus nickel for high-wear areas and acidic conditions. The RC or TRC series can also be used on magnet belts.

**RS** is the most non-magnetic grade, available for RS-2, RS-3, TRS-4, and RS-5. All stainless rivets are made of 430 SS, which may exhibit some magnetic properties because of the mill rolls or dies that were used to produce the material, but this is typically not a problem for magnetic belt applications.

# RIV-NAIL



**R-5 Rivet Fasteners** are used on belts up to 11.1 mm thick and 79 kN/m. Hinge pins and Riv-Nail selections are made according to belt thickness and style. See pages 18 to 23.

## STEEL R-5 RIVET FASTENER

NUMBER
R-5-18
R-5-24
R-5-30
R-5-36
R-5-42
R-5-48
R-5-54
R-5-60
R-5-72

## LOW-CHROME STAINLESS RLC-5 RIVET FASTENER

NUMBER
RLC-5-18
RLC-5-24
RLC-5-30
RLC-5-36
RLC-5-42
RLC-5-48
RLC-5-54
RLC-5-60
RLC-5-72

## NON-MAGNETIC STAINLESS RS-5 RIVET FASTENER

NUMBER
RS-5-18
RS-5-24
RS-5-30
RS-5-36
RS-5-42
RS-5-48
RS-5-54
RS-5-60
RS-5-72



**R-5½ Rivet Fasteners** are used on belts from 9.4 to 15.1 mm thick and up to 140 kN/m. Hinge pins are found on pages 20 to 23. Riv-Nail selection can be found on pages 18 to 19.

## STEEL R-5½ RIVET FASTENER

NUMBER
R-5½-24
R-5½-30
R-5½-36
R-5½-42
R-5½-48
R-5½-54
R-5½-60
R-5½-72

## LOW-CHROME STAINLESS RLC-5½ RIVET FASTENER

NUMBER
RLC-5½-24
RLC-5½-30
RLC-5½-36
RLC-5½-42
RLC-5½-48
RLC-5½-54
RLC-5½-60
RLC-5½-72

## HIGH-CHROME STAINLESS RC-5½ RIVET FASTENER

NUMBER
RC-5½-24
RC-5½-30
RC-5½-36
RC-5½-42
RC-5½-48
RC-5½-54
RC-5½-60
RC-5½-72



INSTALLATION TOOLS ARE SHOWN ON PAGES 24 TO 28.





**R-6 Rivet Fasteners** are used on belts from 10.3 to 19.1 mm thick and up to 210 kN/m. Hinge pins are found on pages 20 to 23. Riv-Nail selection can be found on pages 18 to 19.

**STEEL R-6 RIVET FASTENER**

NUMBER
R-6-24
R-6-30
R-6-36
R-6-42
R-6-48
R-6-54
R-6-60
R-6-72

**LOW-CHROME STAINLESS RLC-6 RIVET FASTENER**

NUMBER
RLC-6-24
RLC-6-30
RLC-6-36
RLC-6-42
RLC-6-48
RLC-6-54
RLC-6-60
RLC-6-72

**HIGH-CHROME STAINLESS RC-6 RIVET FASTENER**

NUMBER
RC-6-24
RC-6-30
RC-6-36
RC-6-42
RC-6-48
RC-6-54
RC-6-60
RC-6-72



**TRC-6 Rivet Fasteners**

The TRC-6 is a "true" six-rivet fastener used on belts from 10.3 to 19.1 mm thick and up to 263 kN/m. An advantage of TRC-6 fasteners is that they can be used on most applications with high belt tension ratings, yet require 25% fewer rivets. This provides for savings in time, materials, and labor.

**HIGH-CHROME STAINLESS TRC-6 RIVET FASTENER**

NUMBER
TRC-6-48
TRC-6-54
TRC-6-60
TRC-6-72
TRC-6-84



**RC-8 Rivet Fasteners** are used on belts from 10.3 to 19.1 mm and up to 263 kN/m. Hinge pins are found on pages 20 to 23. Riv-Nail selection is found on pages 18 to 19.

**HIGH-CHROME STAINLESS RC-8 RIVET FASTENER**

NUMBER
RC-8-48
RC-8-54
RC-8-60
RC-8-72
RC-8-84

## Rivets,

or Riv-Nails, are an assembly of a rivet and a pilot nail. The rivet is a specially designed and semi-tubular, rivet sized to fit a range of conveyor belt thicknesses. The rivet is "up-set" by the upper head of the pilot nail to clinch and maintain compression of the upper and lower plates of the belt fastener. The pilot nail has a point that is used to guide through the belt and into the anvil setting tool. Upon completion of the belt splice, the rivet and the pilot nail separate.

**Steel Rivets** will be color-coded zinc dichromate, a gold color. While zinc dichromate has higher resistance to corrosion than conventional zinc silver, it should not be used for corrosive applications.



### STANDARD

250 / BOX

2,000 / BUCKET



ITEM
RN0
RN1
RN2
RNA / B
RNA
RNB
RNC
RNC / D
RND
RNE
RNF
RNG
RNH
RNI

ITEM
RN0-2M
RN1-2M
RN2-2M
RNA / B-2M
RNA-2M
RNB-2M
RNC-2M
RNC / D-2M
RND-2M
RNE-2M
RNF-2M
RNG-2M
RNH-2M
RNI-2M

### QUICK LOAD

1,000 / CARTON

ITEM
RNQL 0
RNQL 1
RNQL 2
RNQL A / B
RNQL A
RNQL B
RNQL C
RNQL C / D
RNQL D
RNQL E
RNQL F
RNQL G
RNQL H
RNQL I

## Stainless Steel Rivets

are silver or copper color-coded with a zinc "silver" pilot nail. Stainless steel rivets should be used with the RC and RS series stainless fastener strips in situations where rusting may occur.

### STANDARD

250 / BOX

2,000 / BUCKET



ITEM
RN0S
RN1S
RN2S
RNA / BS
RNAS
RNBS
RNCS
RNC / DS
RNDS
RNES
RNFS
RNGS
RNHS
RNIS

ITEM
RN0S-2M
RN1S-2M
RN2S-2M
RNA / BS-2M
RNAS-2M
RNBS-2M
RNCS-2M
RNC / DS-2M
RNDS-2M
RNES-2M
RNFS-2M
RNGS-2M
RNHS-2M
RNIS-2M

### QUICK LOAD

1,000 / CARTON

ITEM
RNQL 0S
RNQL 1S
RNQL 2S
RNQL A / BS
RNQL AS
RNQL BS
RNQL CS
RNQL C / DS
RNQL DS
RNQL ES
RNQL FS
RNQL GS
RNQL HS
RNQL IS

# RIV-NAIL SPECIFICATIONS

## RIVET SPECIFICATIONS

RIVET SIZE	BELT THICKNESS (MM)	FASTENER SIZE
0	3.1–4.7	2
1	4.7–6.4	2, 3, 4, 5
2	6.4–7.9	2, 3, 4, 5
A/B	7.1–10.3	2, 3, 4, 5
A	7.1–8.7	2, 3, 4, 5
B	8.7–10.3	2, 3, 4, 5
C	10.3–11.9	4, 5, 5½, 6
C/D	11.9–13.5	5½, 6, 8
D	13.5–15.1	5½, 6, 8
E	15.1–16.7	6, 8
F	16.7–18.3	6, 8
G	18.3–19.8	6, 8
H	19.8–21.4	6, 8
I	21.4–23.0	6, 8

## NUMBER OF SETS OF RIVETS REQUIRED FOR VARIOUS BELT WIDTHS

BELT WIDTH (MM)	R-2	R-3	TR-4	5-5, R5½ R6	TR-6	R-8
450	40	60	80	100	–	–
600	52	78	104	130	–	–
750	64	96	128	160	–	–
900	80	120	160	200	–	–
1050	92	138	184	230	–	–
1200	108	162	216	270	324	432
1350	120	180	240	300	360	480
1500	136	204	272	340	408	544
1800	164	246	328	410	492	656
2100	192	288	384	480	576	768

## RIV-NAIL SHIPPING WEIGHT (KG)

SIZE	BOXES	BUCKETS
0	0.9	6.8
1	0.9	7.3
2	1.0	7.7
A	1.1	8.2
A/B, B	1.1	8.6
C	1.2	9.1
C/D	1.3	9.5
D	1.3	10.0
E	1.3	10.9
F	1.3	11.4
G	1.4	11.8
H	1.5	12.3
I	1.6	12.7

## NOTES ON PACKAGING

Riv-Nails are available in boxes of 250 and buckets of 2,000. Case quantity in boxes is 10 per case. Quick Load cartons contain 1,000 rivets per carton. Bucket Opener can be found on page 43.



INSTALLATION TOOLS ARE SHOWN ON PAGES 24 TO 28.

**Hinge Pins** are made of bare steel/stainless cable, nylon-coated steel/stainless cable, bare- armored cable, and nylon-coated armored cable. Pins are available individually or in 10-packs. Careful consideration should be given to the proper selection of the hinge pin for each application.

Order by specifying type of pin and width of belt.

**Example:** **NC-36** One-pin, nylon-coated steel cable  
**AC6-48-10** 10-pin pack, armored coated steel cables

**Note:** Special lengths available

## Hinge Pin Key

NUMBER	STYLE
<b>SC</b>	BARE STEEL CABLE
<b>SSC</b>	BARE STAINLESS CABLE
<b>NC</b>	NYLON-COVERED STEEL CABLE
<b>AC</b>	ARMORED STEEL CABLE
<b>NAC</b>	NYLON-ARMORED STEEL CABLE
<b>NCS</b>	NYLON-COVERED STAINLESS CABLE
<b>SC932</b>	BARE STEEL CABLE HEAVY
<b>SSC932</b>	BARE STAINLESS CABLE HEAVY
<b>SC6</b>	BARE STEEL CABLE XX-HEAVY
<b>AC6</b>	ARMORED STEEL CABLE
<b>NAC6</b>	NYLON-ARMORED STEEL CABLE
<b>SAC6</b>	ALL-STAINLESS ARMORED CABLE
<b>SAC6-SP</b>	ALL-STAINLESS ARMORED HEAVY-DUTY
<b>NCS6</b>	NYLON-COATED STAINLESS CABLE

## HINGE PIN SELECTOR



	SC	SSC	NC	AC	NAC	NCS	SC932	SSC932	SC6	AC6	NAC6	SAC6	SAC6-SP	NCS6
R-2, R-3	•	•	•	•	•	•								
TR-4, R-5	•	•	•	•	•	•	•	•						
R-5½									•	•	•	•		
R-6									•	•	•		•	•
TR-6, R-8									•	•	•		•	•

**R-2, R-3, TR-4, R-5 Hinge Pins** are available in both bare cable or armor-wrapped cable. They are also available with nylon coatings. The overall outside diameter is a nominal 6.4 mm for the R-2, R-3, TR-4, and R-5 series fasteners.

### SC BARE STEEL CABLE 10 / PACK

NUMBER
SC-18
SC-24
SC-30
SC-36
SC-42
SC-48
SC-54
SC-60
SC-18-10
SC-24-10
SC-30-10
SC-36-10
SC-42-10
SC-48-10
SC-54-10
SC-60-10

### SSC BARE STAINLESS CABLE 10 / PACK

NUMBER
SSC-18
SSC-24
SSC-30
SSC-36
SSC-42
SSC-48
SSC-54
SSC-60
SSC-18-10
SSC-24-10
SSC-30-10
SSC-36-10
SSC-42-10
SSC-48-10
SSC-54-10
SSC-60-10



INSTALLATION TOOLS ARE SHOWN ON PAGES 24 TO 28.



**NC**  
**NYLON-COVERED STEEL CABLE**  
10/PACK

NUMBER
NC-18
NC-24
NC-30
NC-36
NC-42
NC-48
NC-54
NC-60
NC-72
NC-18-10
NC-24-10
NC-30-10
NC-36-10
NC-42-10
NC-48-10
NC-54-10
NC-60-10
NC-72-10

**NCS**  
**NYLON-COVERED STAINLESS CABLE**  
10/PACK

NUMBER
NCS-18
NCS-24
NCS-30
NCS-36
NCS-42
NCS-48
NCS-54
NCS-60
NCS-72
NCS-18-10
NCS-24-10
NCS-30-10
NCS-36-10
NCS-42-10
NCS-48-10
NCS-54-10
NCS-60-10
NCS-72-10

**NAC**  
**NYLON-ARMORED STEEL CABLE**  
10/PACK

NUMBER
NAC-18
NAC-24
NAC-30
NAC-36
NAC-42
NAC-48
NAC-54
NAC-60
NAC-18-10
NAC-24-10
NAC-30-10
NAC-36-10
NAC-42-10
NAC-48-10
NAC-54-10
NAC-60-10

**AC**  
**ARMORED STEEL CABLE**  
10/PACK

NUMBER
AC-18
AC-24
AC-30
AC-36
AC-42
AC-48
AC-54
AC-60
AC-72
AC-18-10
AC-24-10
AC-30-10
AC-36-10
AC-42-10
AC-48-10
AC-54-10
AC-60-10
AC-72-10

## SELECTING HINGE PINS

Hinge pins are selected based on the size of the fastener, the width of the belt, and the nature of the application.

Bare-cable or armored-cable hinge pins are used when the pins need to be frequently withdrawn, or when the materials being conveyed are abrasive.

Nylon-coated and nylon-armored hinge pins are used when the pins tend to be in place permanently. The loops of the belt fastener bite into the cover and lock the pin into position, aiding in the prevention of the hinge pin migrating outside the belt fastener.

**SC932**  
**BARE STEEL CABLE HEAVY**  
 10/PACK

NUMBER
SC-932-24
SC-932-30
SC-932-36
SC-932-42
SC-932-48
SC-932-54
SC-932-60
SC-932-72
SC-932-24-10
SC-932-30-10
SC-932-36-10
SC-932-42-10
SC-932-48-10
SC-932-54-10
SC-932-60-10
SC-932-72-10

**SSC932**  
**BARE STAINLESS CABLE HEAVY**  
 10/PACK

NUMBER
SSC-932-24
SSC-932-30
SSC-932-36
SSC-932-42
SSC-932-48
SSC-932-54
SSC-932-60
SSC-932-72
SSC-932-24-10
SSC-932-30-10
SSC-932-36-10
SSC-932-42-10
SSC-932-48-10
SSC-932-54-10
SSC-932-60-10
SSC-932-72-10

**R-5½, R-6, TR-6, R-8 Hinge Pins** are available in both bare cable and armor-wrapped cable. They are also available with nylon coatings. The overall outside diameters are a nominal 9.5 mm or larger for the R-5½, R-6, TR-6, and R-8 series.

**SC6**  
**BARE STEEL CABLE XX-HEAVY**  
 10/PACK

NUMBER
SC6-24
SC6-30
SC6-36
SC6-42
SC6-48
SC6-54
SC6-60
SC6-72
SC6-24-10
SC6-30-10
SC6-36-10
SC6-42-10
SC6-48-10
SC6-54-10
SC6-60-10
SC6-72-10

**AC6**  
**ARMORED STEEL CABLE**  
 10/PACK

NUMBER
AC6-24
AC6-30
AC6-36
AC6-42
AC6-48
AC6-54
AC6-60
AC6-72
AC6-24-10
AC6-30-10
AC6-36-10
AC6-42-10
AC6-48-10
AC6-54-10
AC6-60-10
AC6-72-10

## R5RW RETAINING WASHER

The Rivet Hinge fastener is a live, working joint. Low belt tension and/or conveyor misalignment can cause the hinge pin to migrate from inside the loop. To help prevent migration, specially formed washers are used to swage onto the ends of the hinge pins. The R5RW fits only the R-2 through R-5 series.

NUMBER	DESCRIPTION
R5RW	50/PACK



**SAC6**  
**ALL-STAINLESS ARMORED CABLE**  
 10/PACK

NUMBER
SAC6-24
SAC6-30
SAC6-36
SAC6-42
SAC6-48
SAC6-54
SAC6-60
SAC6-72
SAC6-24-10
SAC6-30-10
SAC6-36-10
SAC6-42-10
SAC6-48-10
SAC6-54-10
SAC6-60-10
SAC6-72-10

**NAC6**  
**NYLON-ARMORED STEEL CABLE**  
 10/PACK

NUMBER
NAC6-24
NAC6-30
NAC6-36
NAC6-42
NAC6-48
NAC6-54
NAC6-60
NAC6-72
NAC6-24-10
NAC6-30-10
NAC6-36-10
NAC6-42-10
NAC6-48-10
NAC6-54-10
NAC6-60-10
NAC6-72-10

**SAC6-SP**  
**ALL-STAINLESS ARMORED**  
**HEAVY-DUTY CABLE**  
 10/PACK

NUMBER
SAC6-24-SP
SAC6-30-SP
SAC6-36-SP
SAC6-42-SP
SAC6-48-SP
SAC6-54-SP
SAC6-60-SP
SAC6-72-SP
SAC6-84-SP
SAC6-24-SP-10
SAC6-30-SP-10
SAC6-36-SP-10
SAC6-42-SP-10
SAC6-48-SP-10
SAC6-54-SP-10
SAC6-60-SP-10
SAC6-72-SP-10
SAC6-84-SP-10

**NCS6**  
**NYLON-COATED STAINLESS**  
 10/PACK

NUMBER
NCS6-36
NCS6-42
NCS6-48
NCS6-54
NCS6-60
NCS6-72
NCS6-84
NCS6-36-10
NCS6-42-10
NCS6-48-10
NCS6-54-10
NCS6-60-10
NCS6-72-10
NCS6-84-10



**INSTALLATION TOOLS ARE SHOWN ON PAGES 24 TO 28.**

# SAC6RET RETAINING CLIPS

The Rivet Hinge fastener is a live, working joint. Low belt tension and/or conveyor misalignment can cause the hinge pin to migrate from inside the loop. A special retaining clip has been designed for the larger R-5½, R-6, TR-6, and R-8 series. The SAC6RET is swaged on the ends of the hinge pin.

**NUMBER DESCRIPTION**

**SAC6RET 50/PACK**



## Riv-Nail Rapid Install System

The fastest, easiest, and safest systems to install Riv-Nail Conveyor Belt Fasteners.

CAI introduced the first air powered tools in 1993 to drive rivets for conveyor belt fasteners. Then in 2005 and again in 2006, electric-corded plus battery-driven units were introduced to drive single rivets. Now, the CAI AP Driver is the first tool to "drive and set" up to five rivets at a time. The AP Driver is "Mine Duty and Shop Friendly."

### 1 Choose Your Hammer



#### AIR POWERED HAMMER KIT

The RNAPD-KIT System includes one complete AP (air powered\*) Driver, two RNAPD-5 Rivet Drivers, one In-Line Oiler, one 15.3-meter 12.7 mm hose assembly, one High Flow Regulator 12.7 mm with gauge, two 237 mL bottles of oil, one Oiler Wrench, one Coil Puller, and a storage box.

\*Air compressor required.

NUMBER
RNAPD-KIT

#### Air Powered Hammer Accessories

NUMBER	DESCRIPTION
APD-1	AIR POWERED HAMMER
AP5P	RIVET PUNCH
APO	IN-LINE OILER
APH-50	15.3-meter 12.7 mm HOSE ASSEMBLY
APR-1/2	HIGH FLOW REGULATOR W/ GAUGE
APO-8	APD OIL – HEAVY-DUTY 237 mL
APO-8-12	APD OIL – HEAVY-DUTY (12-PACK)
APOW	AP OILER WRENCH
APCP	AP COIL PULLER
APTC	AP TOOL CHEST

#### ELECTRIC HAMMERS

The **battery-powered hammer\***, at 4.3 kg with a powerful 36 V battery, feels lighter than most with its ergonomically balanced design. Fast yet safe, this tool of choice lessens the fatigue of the splice team. Complete with two Lithion 36 VDC batteries and a charger.

The **corded hammer\*** is light to handle, utilizes 120 VAC, draws only 6½ amps, generates more than 3,500 blows per minute, and provides a generous 3.1-meter power cord.

\*Bosch three-year warranty. Drive rod not included.

NUMBER	DESCRIPTION
RNBH-1	BOSCH 36 V BATTERY-POWERED HAMMER
RNEH-1	BOSCH CORDED HAMMER

#### Electric Hammer Accessories

NUMBER	DESCRIPTION
RNDP-1	SDS DRIVE ROD
RN-BAT836	36 VDC ION BATTERY
RN-BC830	BATTERY CHARGER





## 2 Choose Your Multi-Tool



The Riv-Nail Multi-Tool is designed and built with lightweight aluminum and ultra-high molecular weight (UHMW) polyethylene locator guides mounted directly on the top of the channel. Patented anvil plates set the rivets.

### MULTI-TOOL WITH 6.4 MM GAUGE ROD

For use with R-2 through R-6.

#### NUMBER

RNAT-36-MDA1  
 RNAT-42-MDA1  
 RNAT-48-MDA1  
 RNAT-54-MDA1  
 RNAT-60-MDA1  
 RNAT-72-MDA1  
 RNAT-84-MDA1

### MULTI-TOOL WITH 11.1 MM GAUGE ROD

For use with R-5½ and R-6.

#### NUMBER

RNAT-36-MDA2  
 RNAT-42-MDA2  
 RNAT-48-MDA2  
 RNAT-54-MDA2  
 RNAT-60-MDA2  
 RNAT-72-MDA2  
 RNAT-84-MDA2

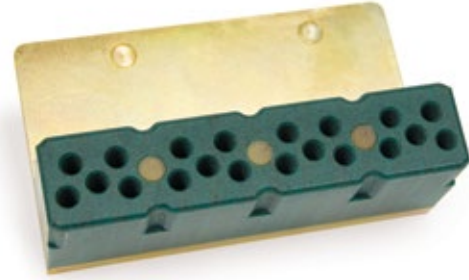
### RC-8 MULTI-TOOL WITH 11.1 MM GAUGE ROD

For use with TRC-6 and RC-8.

#### NUMBER

RNAT-60/8-MDA2  
 RNAT-72/8-MDA2  
 RNAT-84/8-MDA2

## 3 Choose Your Guide Block



Riv-Nail Guide Blocks are available in 20- and 40-rivet capacities. Lightweight, wear-resistant UHMW polyethylene and pilot nail guides provide the most accurate placement of rivets in the belt splice.

### 5 RIV-NAIL GUIDE BLOCK

#### NUMBER

RNQL 500  
 RNQL 500DW

### 8 RIV-NAIL GUIDE BLOCK

#### NUMBER

RNQL 800  
 RNQL 800DW



### RELEASE TOOL

#### NUMBER

RNQL-500R  
 RNQL-800R

## Riv-Nail Manual Systems

CAI has both single and multiple hammer-driven tooling systems for maximum flexibility in the shop or in the field. Lightweight aluminum tools have been our standard since 1993.



### Riv-Nail Single-Driver System

For many applications, the manual Riv-Nail Single-Driver System is quick and reliable. Only a hammer and our manual application tool are required. While most 0.5 to 1.5 kg well-balanced hammers will drive the Riv-Nail through the belt, the best hammer for the job is a 1 kg "dead blow." An average of only three blows will set the rivet, using the patented Riv-Nail Application Tool. Hammer not included.

#### NUMBER

RNAT-24
RNAT-30
RNAT-36
RNAT-42
RNAT-48
RNAT-54
RNAT-60
RNAT-72



### Riv-Nail Multi-Driver Complete Tool Kit

All Multi-Driver Tool Kits include the application tool, two Rivet Guide Blocks, two RNMDP-5 Rivet Drivers, two RNMH-4 Hammers (2 kg), one BG-96 Belt Gauge, one SL-8 Silicone Spray, and one tote bag.

#### MULTI-DRIVER TOOL KIT WITH 6.4 MM GAUGE ROD FOR R-2 THROUGH R-6 SERIES

##### NUMBER

MRNAT-36
MRNAT-42
MRNAT-48
MRNAT-60
MRNAT-72
MRNAT-84

#### MULTI-DRIVER TOOL KIT WITH 11.1 MM GAUGE ROD FOR R-5½ AND R-6 SERIES

Heavy-Duty Gauge Rod helps control splices during installation.

##### NUMBER

MRNAT-42-MDA2
MRNAT-48-MDA2
MRNAT-54-MDA2
MRNAT-60-MDA2
MRNAT-72-MDA2
MRNAT-84-MDA2

#### MULTI-DRIVER TOOL KIT 11.1 MM GAUGE ROD FOR TR-6 AND R-8 SERIES

Heavy-Duty Gauge Rod helps control splices during installation.

##### NUMBER

MRNAT-60/8-MDA2
MRNAT-72/8-MDA2
MRNAT-84/8-MDA2

## INSTRUCTIONAL VIDEOS

Watch instructional videos for these and other Conveyor Accessories products online at: [conveyoraccessories.com/instructions](http://conveyoraccessories.com/instructions)

# Installation Tools

**Air Powered Belt Cutters** are lightweight and easy to handle. They are capable of cutting through rubber and PVC up to 38.1 mm thick. Included with the purchase of an air powered belt cutter is a laser guide (batteries included), a belt marking pen, a sharpening stone, two hex key wrenches, a laser screwdriver, SL-8 spray lubricant, instructions, and a convenient tote bag (not shown). Additional 38.1 mm capacity blades may be purchased separately.



## NUMBER

**APC-1.5**

**APC-1.5 BLADE**

**Battery-Powered Belt Cutters** are lightweight and easy to handle. They are capable of cutting through rubber and PVC up to 25 mm thick. Included with the purchase of a battery-powered belt cutter are two batteries, a charger, a laser guide (batteries included), a belt marking pen, a sharpening stone, two hex key wrenches, a laser screwdriver, SL-8 spray lubricant, instructions, and a convenient tote bag (not shown). Additional 25 mm capacity blades may be purchased separately.



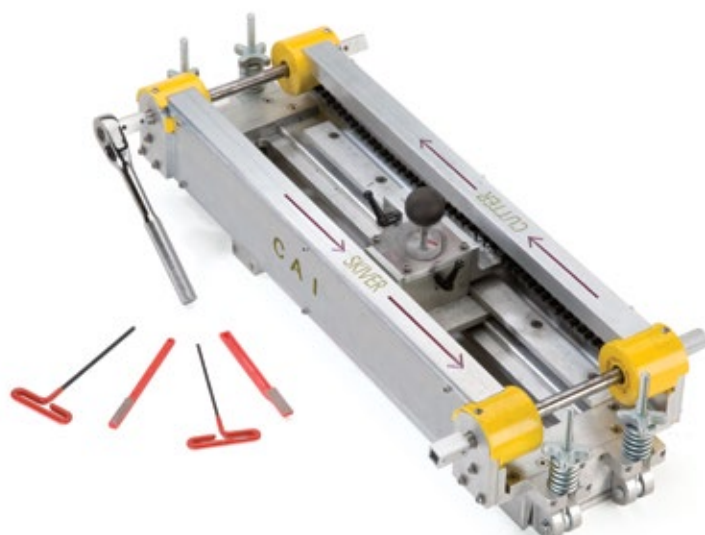
## NUMBER

**BPC-1.0**

**BPC-1.0 BLADE**

## Skiver/Cutter

This new and innovative tool will skive your belt to the exact required dimensions and cut it, all in one setup. Typical belt splice preparation is required. Edge Stops are located on both sides of the tool to center the belt.



## NUMBER WIDTH (MM)

**SKCU-36** 900

**SKCU-48** 1200

**SKCU-54** 1350

**SKCU-60** 1500

**SKCU-72** 1800

**SKCU-84** 2100

## Skiver/Cutter Extra Supplies

### NUMBER DESCRIPTION

**SKCU-CBK1** CUTTER BLADE KIT

**SKCU-SBK1** SKIVER BLADE KIT

**SKCU-RAT** RATCHET

**SKCU-FK1** DIAMOND FILE KIT

## Riv-Nail Tools, Accessories & Extra Supplies



### 2 kg Hammer

350 mm fiberglass handle for use with rivet punches.

#### NUMBER

RNMH-4



### Multi-Driver Rivet Punch with Safety Knob

#### NUMBER

RNMDP-5



### Belt and Rivet Gauge

#### NUMBER

BG-96



### Single-Driver Punch with Cushion Grip

#### NUMBER

RNSDP-1

### RNAT Replacement Parts

#### NUMBER

RN 22A

RN 22A/8

RN 24

RN 25

RN 716

### NC and NCS Hinge Pin Material

#### NUMBER DESCRIPTION

R5FT FILLER TUBING

R5NC

R5NCS



### Silicone Spray

#### NUMBER DESCRIPTION

SL-8 INDIVIDUAL BOTTLE

SL-8-12 12-PACK

### Guide Locator — Low Form

6.4 mm Gauge Rod—19 mm high.

#### NUMBER

RNGL-1

### Guide Locator — High Form

11.1 mm Gauge Rod—25 mm high.

#### NUMBER

RNGL-2

### 5-Pilot Nail Guide Replacement Strip

#### NUMBER

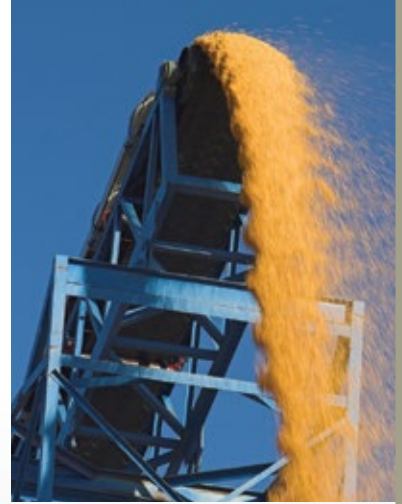
RNGS-5

### 8-Pilot Nail Guide Replacement Strip

#### NUMBER

RNGS-8

# STAPLEGRIP™



**For use with modern lightweight, high-strength belting. Designed to operate smoothly over slider bed or troughing conveyor applications.**

Staplegrip is a very strong belt fastener; hinged plates are held in compression with high-tensile stainless steel staples.

A unique feature of this style of product, compared to conventional lightweight belt fasteners, is that the staples are clinched 90° to the direction of the pull of the belt. Therefore, it is virtually impossible for the staple to open under load. The staples are also unique. While other brands may be rectangular, with their narrow dimension in line with the pull of the belt, Staplegrip staples are oval-shaped with smooth, rounded edges. This design feature reduces the possibility of the staple damaging belting fabric.





# STAPLEGRIP



## Traditional Staplegrip Lacing

has been an industry standard for years. To install manually, a dispenser (found on page 31) allows you to insert the staples smoothly into the fastener strip using the field lacing tool to align the belt fastener across the belt. A light hammer and punch then drives the staples through the belt and clinches the fastener.

Your work will be cut in half by using the CAI Staplegrip Pro-Series installation tool and pneumatic staple driver. Refer to the easy-to-use tools shown on pages 31, and 34 to 36.

## STAPLEGRIP SPECIFICATIONS

Staplegrip is selected based on the thickness of the belt and the diameter of the drive pulley. Specify the belt width when ordering.

BELT THICKNESS (MM)	MIN. PULLEY DIAMETER (MM)	SIZE
1.6-3.2	50	62
3.2-4.7	75	125
4.7-6.4	100	187



INSTALLATION TOOLS ARE SHOWN ON PAGES 31, AND 34 TO 36.

### SIZE 62 TRADITIONAL STEEL LACING

NUMBER	BELT WIDTH (MM)
62-12	300
62-14	350
62-16	400
62-18	450
62-20	500
62-24	600
62-30	750
62-36	900
62-42	1050
62-48	1200
62-60	1500

### SIZE 125 TRADITIONAL STEEL LACING

NUMBER	BELT WIDTH (MM)
125-4*	100
125-10	250
125-12	300
125-14	350
125-16	400
125-18	450
125-20	500
125-24	600
125-30	750
125-36	900
125-42	1050
125-48	1200
125-60	1500

\*10 Sets/Box.  
All others are packaged four Sets/Box.

### SIZE 187 TRADITIONAL STEEL LACING

NUMBER	BELT WIDTH (MM)
187-12	300
187-16	400
187-18	450
187-20	500
187-24	600
187-30	750
187-36	900
187-42	1050
187-48	1200
187-60	1500

### SIZE 125 DURGARD STEEL LACING

NUMBER	BELT WIDTH (MM)
125D-12	300

**SIZE 187  
DURGARD STEEL LACING**

NUMBER	BELT WIDTH (MM)
187D-12	300

**SIZE 62  
TRADITIONAL STAINLESS LACING**

NUMBER	BELT WIDTH (MM)
62S-12	300
62S-14	350
62S-16	400
62S-18	450
62S-20	500
62S-24	600
62S-30	750
62S-36	900
62S-42	1050
62S-48	1200
62S-60	1500

**SIZE 125  
TRADITIONAL STAINLESS LACING**

NUMBER	BELT WIDTH (MM)
125S-12	300
125S-14	350
125S-16	400
125S-18	450
125S-20	500
125S-24	600
125S-30	750
125S-36	900
125S-42	1050
125S-48	1200
125S-60	1500

**SIZE 187  
TRADITIONAL STAINLESS LACING**

NUMBER	BELT WIDTH (MM)
187S-12	300
187S-16	400
187S-18	450
187S-20	500
187S-24	600
187S-30	750
187S-36	900
187S-42	1050
187S-48	1200
187S-60	1500



**Traditional Field Lacing Tool**

Includes one Field Punch and Comb.  
Other sizes available in 150 mm increments.

NUMBER
FT-62-6
FT-125-6
FT-187-6
FT-62-12
FT-125-12
FT-187-12
FT-62-24
FT-125-24
FT-187-24



**Dispenser**

This functional tool dispenses two staples evenly into the guide openings of the Traditional Field Lacing Tool.

NUMBER
D-2000

# STAPLEGRIP



## Staplegrip Preset Lacing

can only be used in hammer driver fixtures. Refer to page 33 and 36 for tools to be used with this lacing.

Available in the popular 62, 125, and 187 sizes that fit belts 1.6 to 6.4 mm. The lacing is cross-scored so it can be easily broken by hand to fit any belt width exactly.

Each box includes four sets of lacing with the staples preset into the strips, along with hinge pins and installation instructions.

## STAPLEGRIP SPECIFICATIONS

Staplegrip is selected based on the thickness of the belt and the diameter of the drive pulley. Specify the belt width when ordering.

BELT THICKNESS (MM)	MIN. PULLEY DIAMETER (MM)	SIZE
1.6-3.2	50	62
3.2-4.7	75	125
4.7-6.4	100	187

### SIZE 62 PRESET STEEL LACING

NUMBER	BELT WIDTH (MM)
PS62-12	300
PS62-16	400
PS62-18	450
PS62-20	500
PS62-24	600
PS62-30	750
PS62-36	900
PS62-42	1050
PS62-48	1200
PS62-60	1500

### SIZE 125 PRESET STEEL LACING

NUMBER	BELT WIDTH (MM)
PS125-4*	100
PS125-10	250
PS125-12	300
PS125-14	350
PS125-16	400
PS125-18	450
PS125-20	500
PS125-24	600
PS125-30	750
PS125-36	900
PS125-42	1050
PS125-48	1200
PS125-60	1500

\*10 Sets/Box.

All others are packaged four Sets/Box.

### SIZE 187 PRESET STEEL LACING

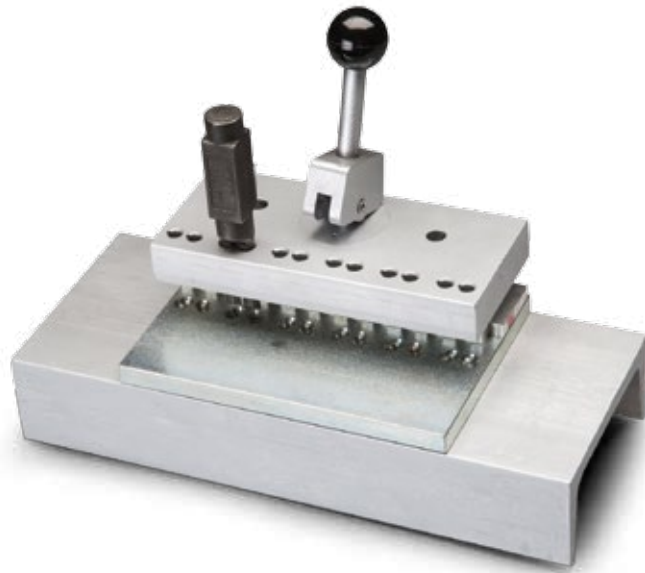
NUMBER	BELT WIDTH (MM)
PS187-12	300
PS187-16	400
PS187-18	450
PS187-20	500
PS187-24	600
PS187-30	750
PS187-36	900
PS187-42	1050
PS187-48	1200
PS187-60	1500



INSTALLATION TOOLS ARE SHOWN ON PAGES 33 AND 36.

**SIZE 62  
PRESET STAINLESS LACING**

NUMBER	BELT WIDTH (MM)
PS62S-12	300
PS62S-18	450
PS62S-20	500
PS62S-24	600
PS62S-30	750
PS62S-36	900
PS62S-42	1050
PS62S-48	1200
PS62S-60	1500



**Preset Field  
Lacing Tool**

Includes one Field Punch and Comb.  
Other sizes available in 150 mm increments.  
Instructional video available online.

**SIZE 125  
PRESET STAINLESS LACING**

NUMBER	BELT WIDTH (MM)
PS125S-12	300
PS125S-14	350
PS125S-16	400
PS125S-18	450
PS125S-20	500
PS125S-24	600
PS125S-30	750
PS125S-36	900
PS125S-42	1050
PS125S-48	1200
PS125S-60	1500

**NUMBER**

- FT-PS62-6
- FT-PS125-6
- FT-PS187-6
- FT-PS62-12
- FT-PS125-12
- FT-PS187-12
- FT-PS62-24
- FT-PS125-24
- FT-PS187-24

**SIZE 187  
PRESET STAINLESS LACING**

NUMBER	BELT WIDTH (MM)
PS187S-12	300
PS187S-16	400
PS187S-18	450
PS187S-20	500
PS187S-24	600
PS187S-30	750
PS187S-36	900
PS187S-42	1050
PS187S-48	1200
PS187S-60	1500

**INSTRUCTIONAL  
VIDEOS**

Watch instructional videos for this and other Conveyor Accessories products online at:  
[conveyoraccessories.com/instructions](http://conveyoraccessories.com/instructions)

# STAPLEGRIP



## *Professional Installation System*

Staplegrip, with its pneumatic Staple Gun SG-25XP and Lacing Tool, is an innovation that's been widely accepted since its introduction in 1992. The tool is available in lengths from 300 to 1800 mm.

Not only does this system ease the pain of a hammer tool, it yields a stronger belt splice. All work is 100% visible at all times during installation.

The Staple Gun drives each staple with the same uniform driving force, and the unique die cavities of the Lacing Tool receive and clinch the staple to within 80 to 90% of maximum clinch. That means that the fastener strip is placed and held in compression by the single initial driving force of the Staple Gun.

After all staples are driven into the strip, a single hammer blow creates a smooth, clinched staple—all without having to turn the belt over or pull out misdirected staples. A fully clinched fastener, uniform across the entire belt width, means a stronger splice that will last longer. Field tests have proven Staplegrip does last longer. Patented.



## Staple Gun

This heavy-duty Senco® pneumatic stapler has been modified to locate and drive the staples through the belt and clinch the staples. Regulate air pressure between 5 to 6 Bar. to suit belt being laced. Senco five-year warranty.

NUMBER
SG-25XP



## Lacing Tool

NUMBER
LT-12
LT-24
LT-36
LT-48
LT-60

Note: Top plate included.  
Specify 62, 125, or 187.



## Top Plates

NUMBER
TP-62
TP-125
TP-187

Note: Plates for 300 mm section.



# INSTRUCTIONAL VIDEOS

Watch instructional videos for this and other Conveyor Accessories products online at: [conveyoraccessories.com/instructions](http://conveyoraccessories.com/instructions)

# Tools, Accessories & Extra Supplies

## Steel Hinge Pins

ITEM
NC62
NC125
NC187
NC62C*
NC125C*
NC187C*

\*Priced per 33-meter. All others priced per 300 mm.

## Stainless Steel Hinge Pins

ITEM
NCS62
NCS125
NCS187
NCS62C*
NCS125C*
NCS187C*

\*Priced per 33-meter. All others priced per 300 mm.

## Pin Retaining Washer

50 / PACK

ITEM
62RW
125RW
187RW



## Punch

ITEM
FP-2000



## Combs

ITEM
TP-62-6
TP-125-6
TP-187-6

Note: Comb for 150 mm section.

## Staples

990 / BOX

ITEM
62S
125S
187S

## SHIPPING WEIGHT

STAPLEGRIP SHIPPING WEIGHT  
4 SETS/BOX (KG)

BELT WIDTH (MM)	62	125	187
300	0.7	0.9	1.4
450	0.9	1.4	2.0
600	1.3	1.8	2.5
750	1.6	2.3	3.2
900	1.8	2.5	3.9
1200	2.5	3.4	5.0
1500	3.2	4.3	6.4

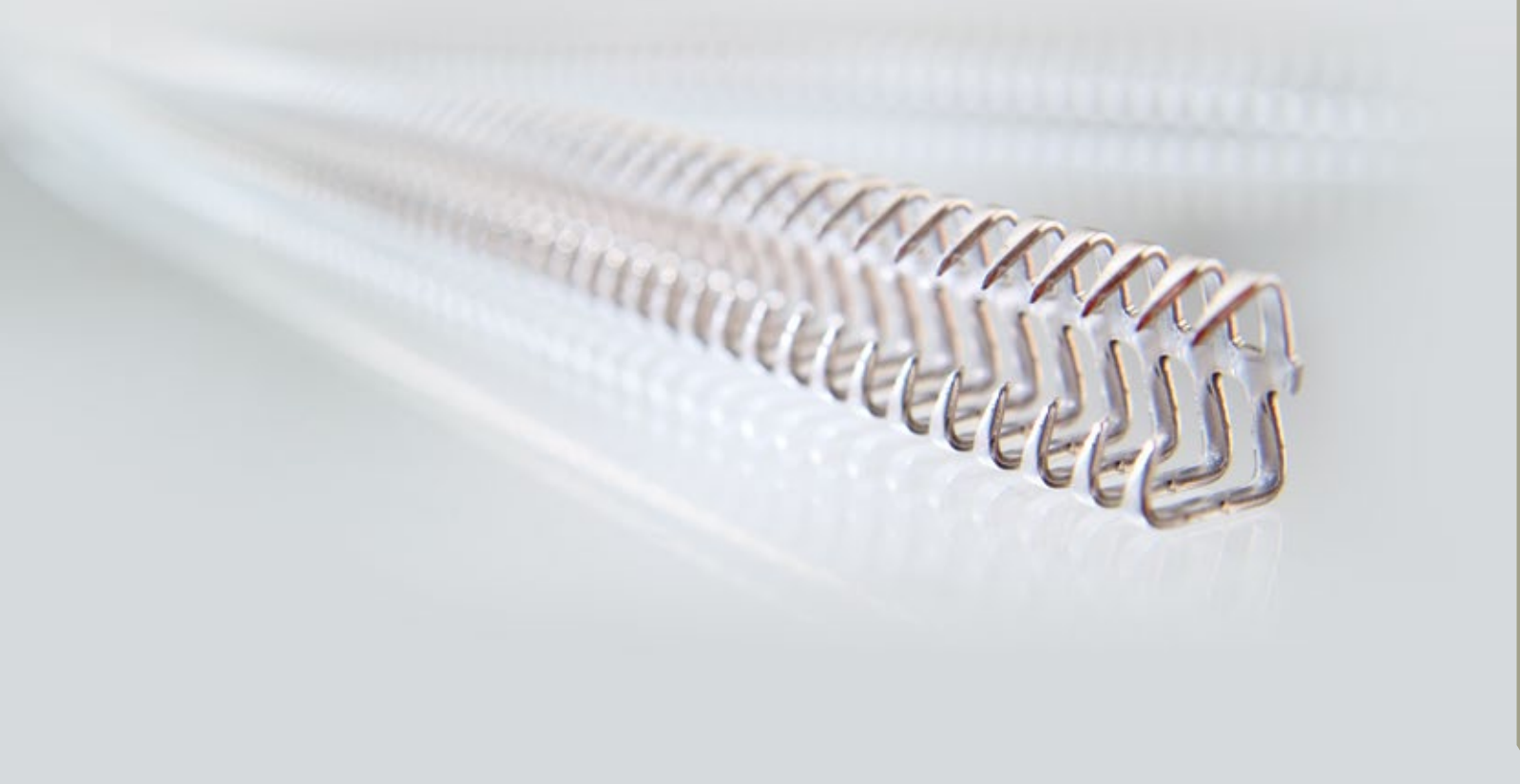
# STEELGRIP™



**Combining toughness with ease of installation, Steelgrip makes a strong, smooth splice on all types of transmission and light conveyor belts.**

Time-tested and proven dependable, the strength of the lacing is enhanced due to the common bar, which yields a continuous lacing strip for the width of the belting. Thus, the tension is distributed across the entire belt width. While made of a special steel that allows the points to pierce the belt carcass, the teeth are designed to enter the belt fabric without cutting the longitudinal strength members of the belting.

Application requires a hammer and gauge pin — no further tools are needed — to ensure long life and maximum reliability in lightweight belts.



## Flat Power Transmission Lacing

Each standard box and economy pack includes lacing, gauge pin, corrugated hinge pin, and instructions.

### STEELGRIP STEEL POWER TRANSMISSION LACING

ITEM	NO. OF SETS	LENGTH (MM)
00	6	150
1A	6	150
7	6	150
15	4	300
20	4	300
27K	4	300
27L	8	300
35N	4	300
45U	4	300

### STEELGRIP STAINLESS STEEL POWER TRANSMISSION LACING

ITEM	NO. OF SETS	LENGTH (MM)
00S	6	150
1AS	6	150
7S	6	150
15S	4	300
20S	4	300
27KS	4	300
35NS	4	300
45US	4	300

### Economy Cartons

These cartons are a convenient way to purchase our quality product for counter display. Each carton comes packed with 10 individual 300 mm sets in their own poly-wrapped enclosure. Each contains a gauge pin and hinge pin. Sold in cartons only.

SIZE (MM)
15E
20E
27E
35E

## SELECTING SIZE, WEIGHT & METAL

Steelgrip lacing comes in eight sizes for belts from 1.6 to 9.5 mm thickness. The lacing is cross-scored so it can easily be broken by hand to fit any belt width exactly. Each box includes lacing, a gauge pin, hinge pins, and installation instructions.

### SIZE SELECTION

BELT THICKNESS (MM)	MIN. PULLEY (MM)	SIZE
1.6	25.4	00
1.6-2.4	38.1	1A
2.4-3.6	50.8	7
3.2-4.0	63.5	15
4.0-4.7	76.2	20
6.4-7.1	127	27
7.1-7.9	178	35
7.9-9.5	229	45

### SHIPPING WEIGHT

SIZE	WT. (KG)
00	0.15
1A	0.27
7	0.36
15	0.45
20	0.50
27	0.82
35	1.23
45	1.45

### GALVANIZED

Standard for sizes 00, 1, and 7. Good for abrasion utilizing a low-carbon steel. Galvanizing provides some resistance to elements. Magnetic and poor chemical resistance.

### CARBON STEEL

Standard for sizes 15 through 45. Good for abrasion, utilizing a low carbon steel which has good forming characteristics that allow easy installation. Magnetic and poor chemical resistance.

### STAINLESS STEEL

A nickel chrome stainless steel that offers excellent resistance to fatty acids and wash-down chemicals, also good for mechanical abrasion. Excellent for use where food and sanitation requirements are high. Basically non-magnetic.

# Steelgrip Conveyor Belt Lacing

With long lengths for flat conveyor belt applications, Steelgrip lacing is available in eight styles and a wide variety of lengths to suit your application. Long lengths ensure uniform pull across wide belts, distributing tension evenly. Steelgrip long-length lacing is available from stock in most popular long lengths up to 1500 mm. Special lengths, including continuous strips, are also available.

## CONVEYOR BELT LACING – STEEL

### 4 COMPLETE SETS OF LACING WITH GAUGE PIN AND 4 HINGE PINS

MM	00	1A	7	15	20	27	35	45
300								
350								
400								
450								
500								
600								
750								
900								
1050								
1200								
1500								

MM	00S	1AS	7S	15S	20S	27S	35S	45S
300								
350								
400								
450								
500								
600								
750								
900								
1050								
1200								
1500								

## Extra Hinge Pins

SIZE (MM)	CORRUGATED STEEL	STAINLESS
00		
1		
7		
15		
20		
27		
35		
45		

Price per millimeter. 10 Pins/Pack.



# UNIVERSAL TOOLS

## Patented Technology

Our innovative and patented tools make installing belt fasteners easy and effective.

Whether you are installing Plategrip bolt fasteners, Riv-Nail rivet fasteners, Staplegrip staple fasteners, Steelgrip belt fasteners, or just need a tool to make your job a little easier, Conveyor Accessories, Inc., has the right tool for your trade.



## Air Powered Belt Cutters

are lightweight and easy to handle. They are capable of cutting through rubber and PVC up to 38.1 mm thick. Included with the purchase of an air powered belt cutter is a laser guide (batteries included), a belt marking pen, a sharpening stone, two hex key wrenches, a laser screwdriver, SL-8 spray lubricant, instructions, and a convenient tote bag (not shown). Additional 38.1 mm capacity blades may be purchased separately.

### NUMBER

**APC-1.5**

**APC-1.5 BLADE**



## Battery-Powered Belt Cutters

are lightweight and easy to handle. They are capable of cutting through rubber and PVC up to 25 mm thick. Included with the purchase of a battery-powered belt cutter are two batteries, a charger, a laser guide (batteries included), a belt marking pen, a sharpening stone, two hex key wrenches, a laser screwdriver, SL-8 spray lubricant, instructions, and a convenient tote bag (not shown). Additional 25 mm capacity blades may be purchased separately.

### NUMBER

**BPC-1.0**

**BPC-1.0 BLADE**



The blade shown on the left is the air powered belt cutter 38.1 mm blade. The blade on the right is the battery-powered belt cutter 25 mm blade.

# INSTRUCTIONAL VIDEOS

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# UNIVERSAL TOOLS

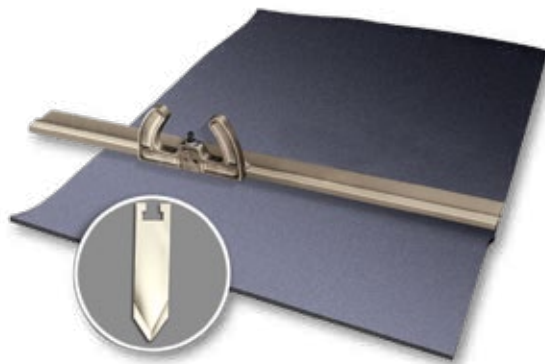
**Belt Clamps** are made of high-strength aluminum alloys, lightweight and easy to handle. The unique design provides constant pressure to the belt while the clamps are under tension. The more tension applied, the greater pressure transferred to the belt. The aluminum power clamps are attached to alloy steel chains designed to be used with ratchet pullers. Complete sets include four Belt Bars and four Scissor Clamps.



## NUMBER

**BC-18**  
**BC-24**  
**BC-30**  
**BC-36**  
**BC-42**  
**BC-48**  
**BC-54**  
**BC-60**  
**BC-72**

**Belt Cutters** feature a double-edged blade that cuts in the push-and-pull mode as the blade penetrates deeper through the belt.

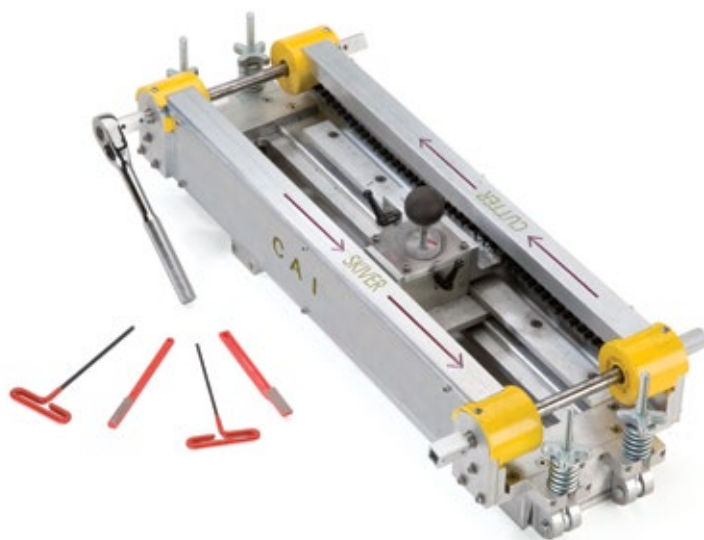


## NUMBER

**C-12**  
**C-24**  
**C-36**  
**C-48**  
**C-60**

## Skiver/Cutter

This new and innovative tool will skive your belt to the exact required dimensions and cut it, all in one setup. Typical belt splice preparation is required. Edge Stops are located on both sides of the tool to center the belt.



## NUMBER WIDTH (MM)

**SKCU-36** 900  
**SKCU-48** 1200  
**SKCU-54** 1350  
**SKCU-60** 1500  
**SKCU-72** 1800  
**SKCU-84** 2100

## Skiver/Cutter Extra Supplies

## NUMBER DESCRIPTION

**SKCU-CBK1** CUTTER BLADE KIT  
**SKCU-SBK1** SKIVER BLADE KIT  
**SKCU-RAT** RATCHET  
**SKCU-FK1** DIAMOND FILE KIT

# Tools & Accessories



## Belt Knife

The angled, off-set head uses increased leverage to make a clean cut through modern tough belt fabrics. Die cast metal construction. Pivots open for blade storage.

NUMBER	DESCRIPTION
BK-200	BELT KNIFE W/ BLADE
BK-250	HEAVY-DUTY BLADES 5/PACK
BK-300	LEATHER KNIFE SHEATH



## Bucket Opener

Professional tool quickly pries lid off plastic pails—no need for cutting.

ITEM
BLO-1



**Skiver** is used to skive the cover off “rough top” belting to recess the belt lacing.

ITEM
RTBS-1



## Belt Marking Pen

A retractable ballpoint pen filled with a special silver ink for marking conveyor belts.

ITEM
PEN



## Belt ID Tool

NUMBER
BT-1



**Belt Handlers** make lifting and maneuvering belts easier. These sturdy belt handlers are sold in pairs.

NUMBER
BH-3P



Proudly Manufactured  
in the United States

- **PLATEGRIP™**
- **RIV-NAIL™**
- **STAPLEGRIP™**
- **STEELGRIP™**

*"Caring is a powerful  
business **advantage.**"*

Scott Johnson



BELT FASTENERS & TOOLS

7013 High Grove Blvd.  
Burr Ridge, IL 60527-7593 USA

P (630) 655-4205  
(800) 323-7093

F (630) 655-4209

[conveyoraccessories.com](http://conveyoraccessories.com)

