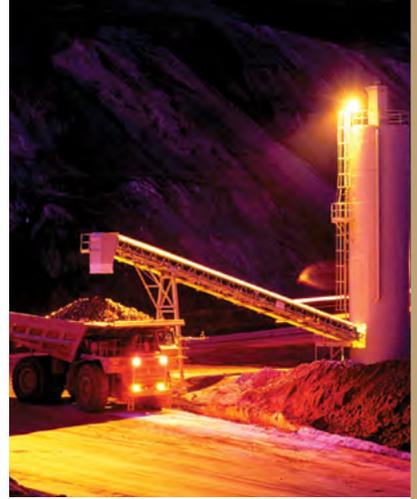


# RIV-NAIL™



**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 Underground mining makes extensive use of these products for conveyors and structures that are extended or withdrawn in the course of mining.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 26 TO 30.

## TR-4 Rivet Fasteners

The TR-4 is a "true" four-rivet fastener used on belts up to  $\frac{7}{16}$ " thick and 400 PIW. An advantage of the TR-4 is that, for the majority of applications involving two-ply and three-ply belts, up to 400 PIW 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  $\frac{1}{8}$ " to  $\frac{3}{4}$ " 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	BELT THICKNESS	PIW	FASTENER SIZE
5"	$\frac{1}{8}$ "- $\frac{3}{8}$ "	330	<b>2</b>
6"	$\frac{3}{16}$ "- $\frac{3}{8}$ "	330	<b>3</b>
9"	$\frac{7}{32}$ "- $\frac{7}{16}$ "	400	<b>4</b>
9"	$\frac{7}{32}$ "- $\frac{7}{16}$ "	450	<b>5</b>
12"	$\frac{3}{8}$ "- $\frac{19}{32}$ "	800	<b>5½</b>
18"	$\frac{13}{32}$ "- $\frac{3}{4}$ "	1,000	<b>6</b>
18"	$\frac{13}{32}$ "- $\frac{3}{4}$ "	1,500	<b>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. R-2 through R-6 are made of galvanized coated steel.

**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

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** is high-chrome stainless plus nickel for high-wear areas and acidic conditions. The RC 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  $\frac{7}{16}$ " thick and 450 PIW. 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-5 $\frac{1}{2}$  Rivet Fasteners** are used on belts from  $\frac{3}{8}$ " to  $\frac{19}{32}$ " thick and up to 800 PIW. Hinge pins are found on pages 23 to 25. Riv-Nail selection can be found on pages 18 to 20.

## STEEL R-5 $\frac{1}{2}$ RIVET FASTENER

NUMBER
R-5 $\frac{1}{2}$ -24
R-5 $\frac{1}{2}$ -30
R-5 $\frac{1}{2}$ -36
R-5 $\frac{1}{2}$ -42
R-5 $\frac{1}{2}$ -48
R-5 $\frac{1}{2}$ -54
R-5 $\frac{1}{2}$ -60
R-5 $\frac{1}{2}$ -72

## LOW-CHROME STAINLESS RLC-5 $\frac{1}{2}$ RIVET FASTENER

NUMBER
RLC-5 $\frac{1}{2}$ -24
RLC-5 $\frac{1}{2}$ -30
RLC-5 $\frac{1}{2}$ -36
RLC-5 $\frac{1}{2}$ -42
RLC-5 $\frac{1}{2}$ -48
RLC-5 $\frac{1}{2}$ -54
RLC-5 $\frac{1}{2}$ -60
RLC-5 $\frac{1}{2}$ -72

## HIGH-CHROME STAINLESS RC-5 $\frac{1}{2}$ RIVET FASTENER

NUMBER
RC-5 $\frac{1}{2}$ -24
RC-5 $\frac{1}{2}$ -30
RC-5 $\frac{1}{2}$ -36
RC-5 $\frac{1}{2}$ -42
RC-5 $\frac{1}{2}$ -48
RC-5 $\frac{1}{2}$ -54
RC-5 $\frac{1}{2}$ -60
RC-5 $\frac{1}{2}$ -72



INSTALLATION TOOLS ARE SHOWN ON PAGES 26 TO 30.



**R-6 Rivet Fasteners** are used on belts from  $1\frac{3}{32}$ " to  $\frac{3}{4}$ " thick and up to 1,000 PIW. Hinge pins are found on pages 23 to 25. Riv-Nail selection can be found on pages 18 to 20.

**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



**RC-8 Rivet Fasteners** are used on belts from  $1\frac{3}{32}$ " to  $\frac{3}{4}$ " and up to 1,500 PIW. Hinge pins are found on pages 23 to 25. Riv-Nail selection is found on pages 18 to 20.

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

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



**Durgard Rivet Fasteners**

Available in R-2, R-5, & R-5½. Packaged 10 strips to a box, 4 clips per strip. Hinge pins and Riv-Nail selections are made according to belt thickness and style. See pages 18 to 24 for selection charts.

**DURGARD RIVET FASTENER**

NUMBER
R2D
R5D
R5½D

## 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



##### ITEM

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

2,000 / BUCKET

##### 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

RNQL0  
RNQL1  
RNQL2  
RNQLA / B  
RNQLA  
RNQLB  
RNQLC  
RNQLC / D  
RNQLD  
RNQLE  
RNQLF  
RNQLG  
RNQLH  
RNQLI

### 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



##### ITEM

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

2,000 / BUCKET

##### 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

**Steel Rivets with Washers** 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

ITEM
RN0W
RN1W
RN2W
RNA/BW
RNAW
RNBW
RNCW
RNC/DW
RNDW
RNEW
RNFW
RNGW
RNHW
RNIW

2,000 / BUCKET

ITEM
RN0W-2M
RN1W-2M
RN2W-2M
RNA/BW-2M
RNAW-2M
RNBW-2M
RNCW-2M
RNC/DW-2M
RNDW-2M
RNEW-2M
RNFW-2M
RNGW-2M
RNHW-2M
RNIW-2M

**QUICK LOAD**

1,000 / CARTON

ITEM
RNQL0W
RNQL1W
RNQL2W
RNQLA/BW
RNQLAW
RNQLBW
RNQLCW
RNQLC/DW
RNQLDW
RNQLEW
RNQLFW
RNQLGW
RNQLHW
RNQLIW

**Stainless Steel Rivets with Washers** 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

ITEM
RN0SW
RN1SW
RN2SW
RNA/BSW
RNASW
RNBSW
RNCSW
RNC/DSW
RNDSW
RNESW
RNFSW
RNGSW
RNHSW
RNISW

2,000 / BUCKET

ITEM
RN0SW-2M
RN1SW-2M
RN2SW-2M
RNA/BSW-2M
RNASW-2M
RNBSW-2M
RNCSW-2M
RNC/DSW-2M
RNDSW-2M
RNESW-2M
RNFSW-2M
RNGSW-2M
RNHSW-2M
RNISW-2M

**QUICK LOAD**

1,000 / CARTON

ITEM
RNQL0SW
RNQL1SW
RNQL2SW
RNQLA/BSW
RNQLASW
RNQLBSW
RNQLCSW
RNQLC/DSW
RNQLDSW
RNQLESW
RNQLFSW
RNQLGSW
RNQLHSW
RNQLISW

## RIV-NAIL SPECIFICATIONS

### RIVET SPECIFICATIONS

RIVET SIZE	BELT THICKNESS	FASTENER SIZE
0	1/8" - 3/16"	2
1	3/16" - 1/4"	2, 3, 4, 5
2	1/4" - 5/16"	2, 3, 4, 5
A / B	9/32" - 13/32"	2, 3, 4, 5
A	9/32" - 11/32"	2, 3, 4, 5
B	11/32" - 13/32"	2, 3, 4, 5
C	13/32" - 15/32"	4, 5, 5 1/2, 6
C / D	15/32" - 17/32"	5 1/2, 6, 8
D	17/32" - 19/32"	5 1/2, 6, 8
E	19/32" - 21/32"	6, 8
F	21/32" - 23/32"	6, 8
G	23/32" - 25/32"	6, 8
H	25/32" - 27/32"	6, 8
I	27/32" - 29/32"	6, 8

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

BELT WIDTH	R-2	R-3	TR-4	5-5, R5 1/2, R6	R-8
18"	40	60	80	100	-
24"	52	78	104	130	-
30"	64	96	128	160	-
36"	80	120	160	200	-
42"	92	138	184	230	-
48"	108	162	216	270	432
54"	120	180	240	300	480
60"	136	204	272	340	544
72"	164	246	328	410	656
84"	192	288	384	480	768

### RIV-NAIL SHIPPING WEIGHT (LBS.)

SIZE	BOXES	BUCKETS
0	2.0	15
1	2.1	16
2	2.2	17
A	2.4	18
A / B, B	2.5	19
C	2.6	20
C / D	2.7	21
D	2.7	22
E	2.8	24
F	2.9	25
G	3.0	26
H	3.2	27
I	3.4	28

## 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 pricing can be found on page 45.



INSTALLATION TOOLS ARE SHOWN ON PAGES 26 TO 30.

# 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>NC6</b>	NYLON-COVERED STEEL CABLE
<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-COVERED STAINLESS CABLE

## HINGE PIN SELECTOR



	SC	SSC	NC	AC	NAC	NCS	SC932	SSC932	SC6	AC6	NAC6	SAC6	SAC6-SP	NC6	NCS6
R-2, R-3	•	•	•	•	•	•									
TR-4, R-5	•	•	•	•	•	•	•	•							
R-5½									•	•	•	•			
R-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 ¼" 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 26 TO 30.**

## 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

## 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

## 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

## 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

**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, 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 3/8" or larger for the R-5½, R-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

## 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

## 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.



**INSTALLATION TOOLS ARE  
SHOWN ON PAGES 26 TO 30.**

**NC6**  
**NYLON-COATED STEEL**  
 10/PACK

**NUMBER**

- NC6-36
- NC6-42
- NC6-48
- NC6-54
- NC6-60
- NC6-72
- NC6-84
- NC6-36-10
- NC6-42-10
- NC6-48-10
- NC6-54-10
- NC6-60-10
- NC6-72-10
- NC6-84-10

**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

## 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

## 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

## 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 50-foot ½" hose assembly, one High Flow Regulator ½" with gauge, two 8 oz. 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	50' ½" HOSE ASSEMBLY
APR-1/2	HIGH FLOW REGULATOR W/ GAUGE
APO-8	APD OIL — HEAVY-DUTY 8 OZ.
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 9½ lbs. 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 Litheon 36 VDC batteries and a charger.

The **corded hammer\*** is light to handle, utilizes 120 VAC, draws only 10 amps, and generates up to 2,800 blows per minute.

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

#### NUMBER

#### DESCRIPTION

RNBH-1	BOSCH 36 V BATTERY-POWERED HAMMER
RNEH-2	BOSCH CORDED HAMMER

#### Electric Hammer Accessories

#### NUMBER

#### DESCRIPTION

RNDP-1	SDS DRIVE ROD
RNDP-MAX	SDS-MAX 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 1/4" 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 7/16" 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

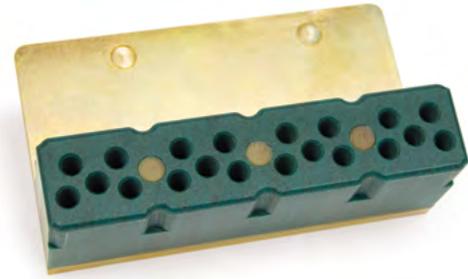
### RC-8 MULTI-TOOL WITH 7/16" GAUGE ROD

For use with 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 1 to 3 lbs. well-balanced hammers will drive the Riv-Nail through the belt, the best hammer for the job is a 32 oz. "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 (4 lbs.), one BG-96 Belt Gauge, one SL-8 Silicone Spray, and one tote bag.

#### MULTI-DRIVER TOOL KIT WITH 1/4" 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 7/16" GAUGE ROD FOR R-5 1/2 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 7/16" 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 1½" 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 1½" capacity blades may be purchased separately.



## NUMBER

**APC-1.5**

**APC-1.5 BLADE**

**Electric Skiver** CAI'S Electric skiving tool kit (EST-KIT) quickly skives belts for fast and easy installation of mechanical fasteners. Unit has 4 temperature settings for multiple rubber compounds. Pressure enabled contacts heat blades precisely when cutting, maximizing blade life. Clamping jaws adjust to accept blade widths from 2mm to 22mm. Unit is 110V A/C.



## NUMBER DESCRIPTION

**EST-KIT** INCLUDES SKIVING TOOL, ESTB-W6, ESTB-GAUGE & CARRYING CASE

**ESTB-W3** ¼" (6MM) WIDE CUTTING BLADE 20 PACK

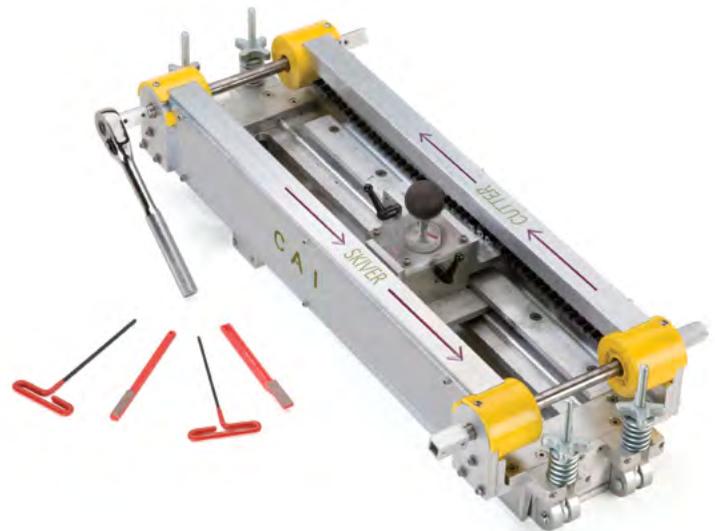
**ESTB-W4** 5/16" (8MM) WIDE CUTTING BLADE 20 PACK

**ESTB-W5** 13/32" (11MM) WIDE CUTTING BLADE 20 PACK

**ESTB-W6** 7/8" (22MM) WIDE CUTTING BLADE 10 PACK

## 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

**SKCU-36** 36"

**SKCU-48** 48"

**SKCU-54** 54"

**SKCU-60** 60"

**SKCU-72** 72"

**SKCU-84** 84"

## 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



### 4 lbs. Hammer

14" 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	DESCRIPTION
RN 22A	
RN 22A/8	
RN 24	
RN 25	
RN 716	

### NC and NCS Hinge Pin Material

NUMBER	DESCRIPTION
R5FT	FILLER TUBING
R5NC	
R5NCS	
R5NAC	

### Spray Lubricant

For use with Riv-Nail Guide Blocks and APC-1.5 Belt Cutter.

NUMBER	DESCRIPTION
SL-8	INDIVIDUAL BOTTLE
SL-8-12	12-PACK

### Guide Locator — Low Form

1/4" Gauge Rod — 3/4" high.

NUMBER
RNGL-1

### Guide Locator — High Form

7/16" Gauge Rod — 1" high.

NUMBER
RNGL-2

### 5-Pilot Nail Guide Replacement Strip

NUMBER
RNGS-5

### 8-Pilot Nail Guide Replacement Strip

NUMBER
RNGS-8