

CONVEYOR ACCESSORIES

BELT FASTENERS & TOOLS

PRODUCT GUIDE

PG-2018





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.

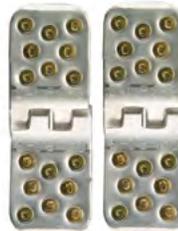
Call us today!

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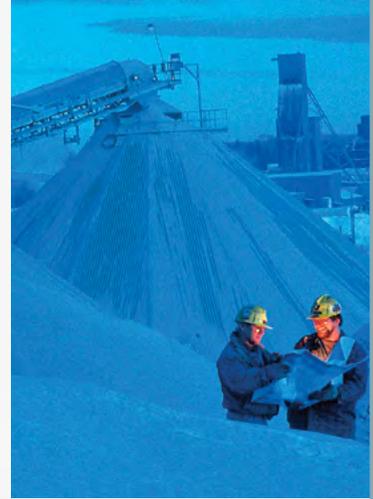


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PLATEGRIP™



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
2¼E
2½*
3*

*10 Sets/Box

100 STEEL SETS

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

*50 Sets/Bucket

25 SETS STAINLESS TOP PLATES BALANCE STEEL

NUMBER
1EST
140EST
190EST
1½EST
2EST
2¼EST

25 SETS STAINLESS TOP AND BOTTOM PLATES

NUMBER
1ES
140ES
190ES
1½ES
2ES
2¼ES

100 STAINLESS SETS TOP AND BOTTOM PLATES

NUMBER
1CS
140CS
190CS
1½CS
2CS
2¼CS

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 45.

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
1½EDT
1½EDT
2EDT
2¼EDT
2½DT*
3DT*

*10 Sets/Box

**100 SETS DURGARD TOP PLATES
BALANCE STEEL**

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

*50 Sets/Bucket

**25 SETS DURGARD
TOP AND BOTTOM PLATES**

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

*10 Sets/Box

**100 SETS DURGARD
TOP AND BOTTOM PLATES**

NUMBER
1CD
140CD
190CD
1¼CD
1½CD
2CD
2¼CD
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	BELT THICKNESS	PIW	PLATEGRIP SIZE
12"	3/16"-7/16"	150	1
14"	3/16"-7/16"	225	140
18"	5/16"-9/16"	375	190
14"	3/8"-1½"	150	1¼
18"	7/16"-1½"	300	1½
30"	9/16"-13/16"	440	2
36"	9/16"-13/16"	620	2¼
42"	¾"-1"	450	2½
48"	≥15/16"	560	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, 2¼		2½, 3	
	90°	45°	90°	45°	90°	45°
12"	10	12	8	10	6	7
16"	13	17	10	14	8	10
18"	15	19	12	16	9	12
20"	16	22	13	18	10	13
24"	20	26	16	21	13	17
26"	22	29	17	23	14	18
28"	23	31	18	25	15	20
30"	25	33	20	27	16	21
36"	30	41	24	33	19	26
42"	35	48	28	39	22	31
48"	40	55	32	44	26	35
60"	50	69	40	55	32	44
72"	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
X550-72

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
X375-12S
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-36

STEEL CABLE

SIZE
12"
14"
16"
18"
20"
24"
26"
30"
36"
42"
48"
54"
60"
72"

SELECTING SIZE AND METAL

HINGED PLATEGRIP SPECIFICATIONS

MIN. PULLEY DIAMETER	BELT THICKNESS	PIW	SIZE
6"	1/4"–13/32"	200	X375
9"	1/4"–5/8"	300	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
16"
18"
20"
24"
26"
30"
36"
42"
48"
54"
60"
72"

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, 2¼, 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 7/16" 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, 2¼ & RP2
TK3	2½, 3
TK375S/550S	HINGED PLATEGRIP X375, X550 STAINLESS STEEL
TK375/550	HINGED PLATEGRIP X375, X550 STEEL

Quick Change Chuck

Adapts 1/2" square male drive power tool for tools with 7/16" 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 1/2" impact driver, two batteries, charger, and carrying case. 4.6 lbs. and 18 V. Bosch® three-year warranty.



NUMBER

22618

Templates

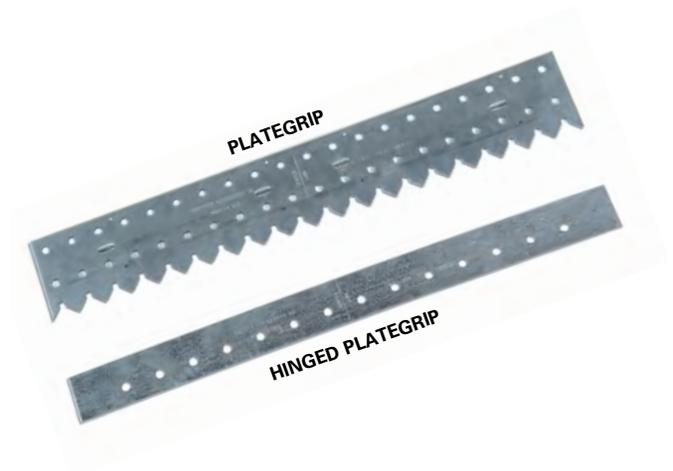
Furnished 90° unless otherwise specified. Curved templates are used only with X375 and X550 Plategrip fasteners. In ordering templates, always show size of fastener and width of belt.

Examples: one No.190 Template 30" = 190T-30"

X375 Template 36" = 336

X550 Template 36" = 536

BELT WIDTH	PLATEGRIP		HINGED PLATEGRIP CURVED	
	90°	45°	X375	X550
12"				
14"				
16"				
18"				
20"				
24"				
26"				
30"				
36"				
42"				
48"				
54"				
60"				
72"				



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
RP1E	25 SETS
RP2E	25 SETS
RP1C	100 SETS
RP2C	100 SETS

Belt Tape 100' Roll

For eliminating ripples and sealing splices.



NUMBER	DESCRIPTION
P7	1, 140, 1¼
P11	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
NB1
NB2
NB3

SHIPPING WEIGHT

PLATEGRIP SHIPPING WEIGHT (LBS.)

SIZE	10 SETS	25 SETS	100 SETS
1	–	2.8	11.0
140	–	4.0	16.0
190	–	4.9	19.6
1¼	–	4.8	19.5
1½	–	5.5	22.0
2	–	7.5	30.0
2¼	–	10.8	42.3
2½	6.4	–	64.0
3	7.0	–	70.0
RP1	–	4.5	18.0
RP2	–	9.8	39.0

HINGED PLATEGRIP SHIPPING WEIGHT (LBS.)

SIZE	WEIGHT	SIZE	WEIGHT
X375-18	3.3	X550-18	3.3
X375-24	4.0	X550-24	4.3
X375-26	4.5	X550-26	4.9
X375-30	5.1	X550-30	5.5
X375-36	6.3	X550-36	6.5
X375-42	7.3	X550-42	7.8
X375-48	8.3	X550-48	8.8
–	–	X550-54	9.9
X375-60	10.2	X550-60	10.5

Extra Supplies

Plategrip Steel Nuts

Price per 100.

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

Plategrip Steel Bolts

Price per 100.

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

Plategrip Stainless Steel Nuts

Price per 100.

NUMBER
1NS
140NS
190NS
1½NS
2NS
2¼NS

Plategrip Stainless Steel Bolts

Price per 100.

NUMBER
1BS
140BS
190BS
1½BS
2BS
2¼BS

Hinged Plategrip Steel Extra Supplies

Extra supplies for use with X375 and X550.

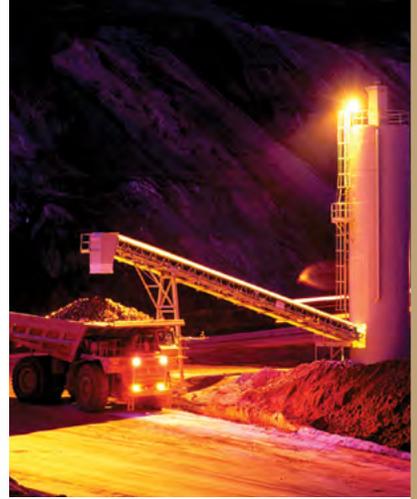
NUMBER	DESCRIPTION
X375N	NUTS 100/PACK
X375B	BOLTS 100/PACK
X550N	NUTS 100/PACK
X550B	BOLTS 100/PACK
X550C	CLIPS 100/PACK
X550FT	FILLER TUBING/FOOT
X550NC	CABLE/FOOT
X550RW	RETAINER WASHERS 50/PACK

Hinged Plategrip Stainless Steel Extra Supplies

Extra supplies for use with X375S and X550S.

NUMBER	DESCRIPTION
X375NS	NUTS 100/PACK
X375BS	BOLTS 100/PACK
X550NS	NUTS 100/PACK
X550BS	BOLTS 100/PACK
X550NCS	CABLE/FOOT

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	2
6"	$\frac{3}{16}$ "- $\frac{3}{8}$ "	330	3
9"	$\frac{7}{32}$ "- $\frac{7}{16}$ "	400	4
9"	$\frac{7}{32}$ "- $\frac{7}{16}$ "	450	5
12"	$\frac{3}{8}$ "- $\frac{19}{32}$ "	800	5½
18"	$\frac{13}{32}$ "- $\frac{3}{4}$ "	1,000	6
18"	$\frac{13}{32}$ "- $\frac{3}{4}$ "	1,500	8

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

2,000 / BUCKET

QUICK LOAD

1,000 / CARTON



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

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

2,000 / BUCKET

QUICK LOAD

1,000 / CARTON



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

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
RNHWSW
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
RNHWSW-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
SC	BARE STEEL CABLE
SSC	BARE STAINLESS CABLE
NC	NYLON-COVERED STEEL CABLE
AC	ARMORED STEEL CABLE
NAC	NYLON-ARMORED STEEL CABLE
NCS	NYLON-COVERED STAINLESS CABLE
SC932	BARE STEEL CABLE HEAVY
SSC932	BARE STAINLESS CABLE HEAVY
SC6	BARE STEEL CABLE XX-HEAVY
NC6	NYLON-COVERED STEEL CABLE
AC6	ARMORED STEEL CABLE
NAC6	NYLON-ARMORED STEEL CABLE
SAC6	ALL-STAINLESS ARMORED CABLE
SAC6-SP	ALL-STAINLESS ARMORED HEAVY-DUTY
NCS6	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

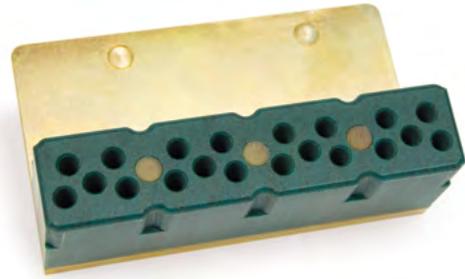
RC-8 MULTI-TOOL WITH 7/16" GAUGE ROD

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

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

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 33) 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 33, and 36 to 37.

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	MIN. PULLEY DIAMETER	SIZE
1/16" - 1/8"	2"	62
1/8" - 3/16"	3"	125
3/16" - 1/4"	4"	187

SIZE 62 TRADITIONAL STEEL LACING

NUMBER	BELT WIDTH
62-12	12"
62-14	14"
62-16	16"
62-18	18"
62-20	20"
62-24	24"
62-30	30"
62-36	36"
62-42	42"
62-48	48"
62-60	60"

SIZE 125 TRADITIONAL STEEL LACING

NUMBER	BELT WIDTH
125-4*	4"
125-10	10"
125-12	12"
125-14	14"
125-16	16"
125-18	18"
125-20	20"
125-24	24"
125-30	30"
125-36	36"
125-42	42"
125-48	48"
125-60	60"

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

SIZE 187 TRADITIONAL STEEL LACING

NUMBER	BELT WIDTH
187-12	12"
187-16	16"
187-18	18"
187-20	20"
187-24	24"
187-30	30"
187-36	36"
187-42	42"
187-48	48"
187-60	60"

SIZE 125 DURGARD STEEL LACING

NUMBER	BELT WIDTH
125D-12	12"



INSTALLATION TOOLS ARE SHOWN ON PAGES 33, AND 36 TO 37.

**SIZE 187
DURGARD STEEL LACING**

NUMBER	BELT WIDTH
187D-12	12"

**SIZE 62
TRADITIONAL STAINLESS LACING**

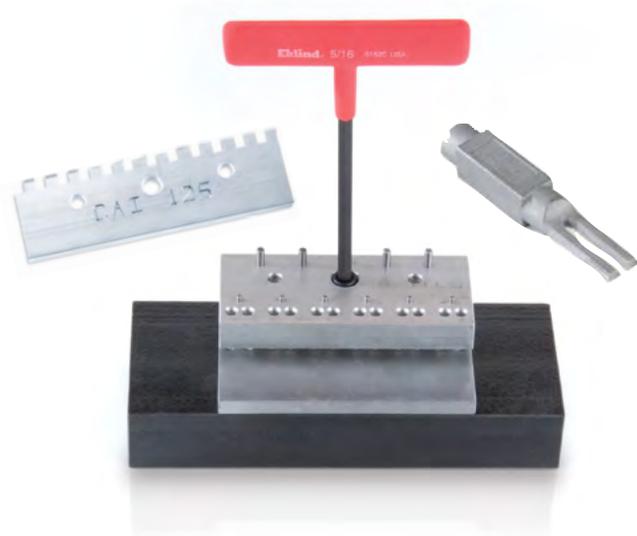
NUMBER	BELT WIDTH
62S-12	12"
62S-14	14"
62S-16	16"
62S-18	18"
62S-20	20"
62S-24	24"
62S-30	30"
62S-36	36"
62S-42	42"
62S-48	48"
62S-60	60"

**SIZE 125
TRADITIONAL STAINLESS LACING**

NUMBER	BELT WIDTH
125S-12	12"
125S-14	14"
125S-16	16"
125S-18	18"
125S-20	20"
125S-24	24"
125S-30	30"
125S-36	36"
125S-42	42"
125S-48	48"
125S-60	60"

**SIZE 187
TRADITIONAL STAINLESS LACING**

NUMBER	BELT WIDTH
187S-12	12"
187S-16	16"
187S-18	18"
187S-20	20"
187S-24	24"
187S-30	30"
187S-36	36"
187S-42	42"
187S-48	48"
187S-60	60"



Traditional Field Lacing Tool

Includes one Field Punch and Comb.
Other sizes available in 6" 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 pages 35 and 38 for tools to be used with this lacing.

Available in the popular 62, 125, and 187 sizes that fit belts $\frac{1}{16}$ " to $\frac{1}{4}$ ". 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	MIN. PULLEY DIAMETER	SIZE
$\frac{1}{16}$ " - $\frac{1}{8}$ "	2"	62
$\frac{1}{8}$ " - $\frac{3}{16}$ "	3"	125
$\frac{3}{16}$ " - $\frac{1}{4}$ "	4"	187

SIZE 62 PRESET STEEL LACING

NUMBER	BELT WIDTH
PS62-12	12"
PS62-16	16"
PS62-18	18"
PS62-20	20"
PS62-24	24"
PS62-30	30"
PS62-36	36"
PS62-42	42"
PS62-48	48"
PS62-60	60"

SIZE 125 PRESET STEEL LACING

NUMBER	BELT WIDTH
PS125-4*	4"
PS125-10	10"
PS125-12	12"
PS125-14	14"
PS125-16	16"
PS125-18	18"
PS125-20	20"
PS125-24	24"
PS125-30	30"
PS125-36	36"
PS125-42	42"
PS125-48	48"
PS125-60	60"

*10 Sets/Box.

All others are packaged four Sets/Box.

SIZE 187 PRESET STEEL LACING

NUMBER	BELT WIDTH
PS187-12	12"
PS187-16	16"
PS187-18	18"
PS187-20	20"
PS187-24	24"
PS187-30	30"
PS187-36	36"
PS187-42	42"
PS187-48	48"
PS187-60	60"



INSTALLATION TOOLS ARE SHOWN ON PAGES 35 AND 38.

**SIZE 62
PRESET STAINLESS LACING**

NUMBER	BELT WIDTH
PS62S-12	12"
PS62S-18	18"
PS62S-20	20"
PS62S-24	24"
PS62S-30	30"
PS62S-36	36"
PS62S-42	42"
PS62S-48	48"
PS62S-60	60"



**Preset Field
Lacing Tool**

Includes one Field Punch and Comb.
Other sizes available in 6" increments.
Instructional video available online.

**SIZE 125
PRESET STAINLESS LACING**

NUMBER	BELT WIDTH
PS125S-12	12"
PS125S-14	14"
PS125S-16	16"
PS125S-18	18"
PS125S-20	20"
PS125S-24	24"
PS125S-30	30"
PS125S-36	36"
PS125S-42	42"
PS125S-48	48"
PS125S-60	60"

**SIZE 187
PRESET STAINLESS LACING**

NUMBER	BELT WIDTH
PS187S-12	12"
PS187S-16	16"
PS187S-18	18"
PS187S-20	20"
PS187S-24	24"
PS187S-30	30"
PS187S-36	36"
PS187S-42	42"
PS187S-48	48"
PS187S-60	60"

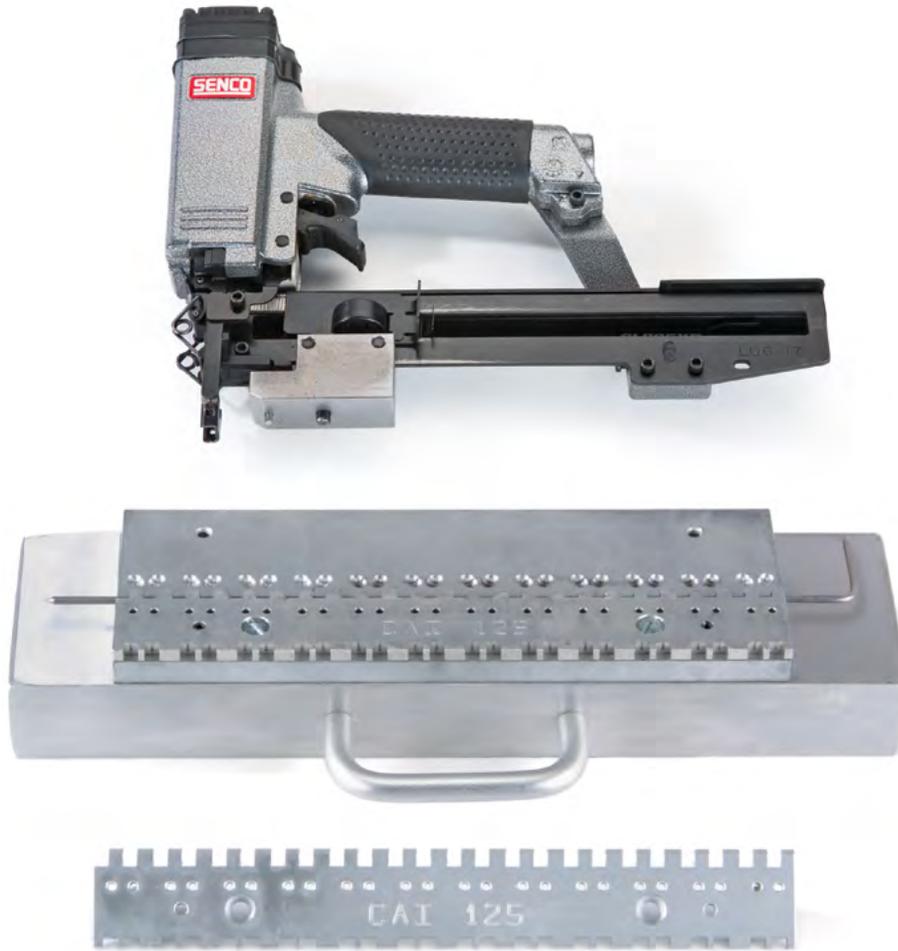
NUMBER
FT-PS62-6
FT-PS125-6
FT-PS187-6
FT-PS62-12
FT-PS125-12
FT-PS187-12
FT-PS62-24
FT-PS125-24
FT-PS187-24

SHIPPING WEIGHT

**STAPLEGRIP SHIPPING WEIGHT
4 SETS/BOX (LBS.)**

BELT WIDTH	62	125	187
12"	1.5	2.0	3.0
18"	2.0	3.0	4.5
24"	2.8	4.0	5.5
30"	3.5	5.0	7.0
36"	4.0	5.5	8.5
48"	5.5	7.5	11.0
60"	7.0	9.5	14.0

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 12" to 72".

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 70 to 90 lbs.) 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 12" section.



INSTRUCTIONAL VIDEOS

Watch instructional videos for this and other Conveyor Accessories products online at: conveyoraccessories.com/instructions

Tools, Accessories & Extra Supplies

Steel Hinge Pins

ITEM
NC62
NC125
NC187
NC62C*
NC125C*
NC187C*

*Priced per 100'. All others priced per foot.

Staples

990 / BOX

ITEM
62S
125S
187S

Stainless Steel Hinge Pins

ITEM
NCS62
NCS125
NCS187
NCS62C*
NCS125C*
NCS187C*

*Priced per 100'. All others priced per foot.

Wire Hooks Hinge Pins

NYLON COVERED STEEL PIN	PIN DIAMETER INCHES
NY065C	.065
NY093C	.093
NY109C	.109
NY125C	.125
NY156C	.156

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 6" section.

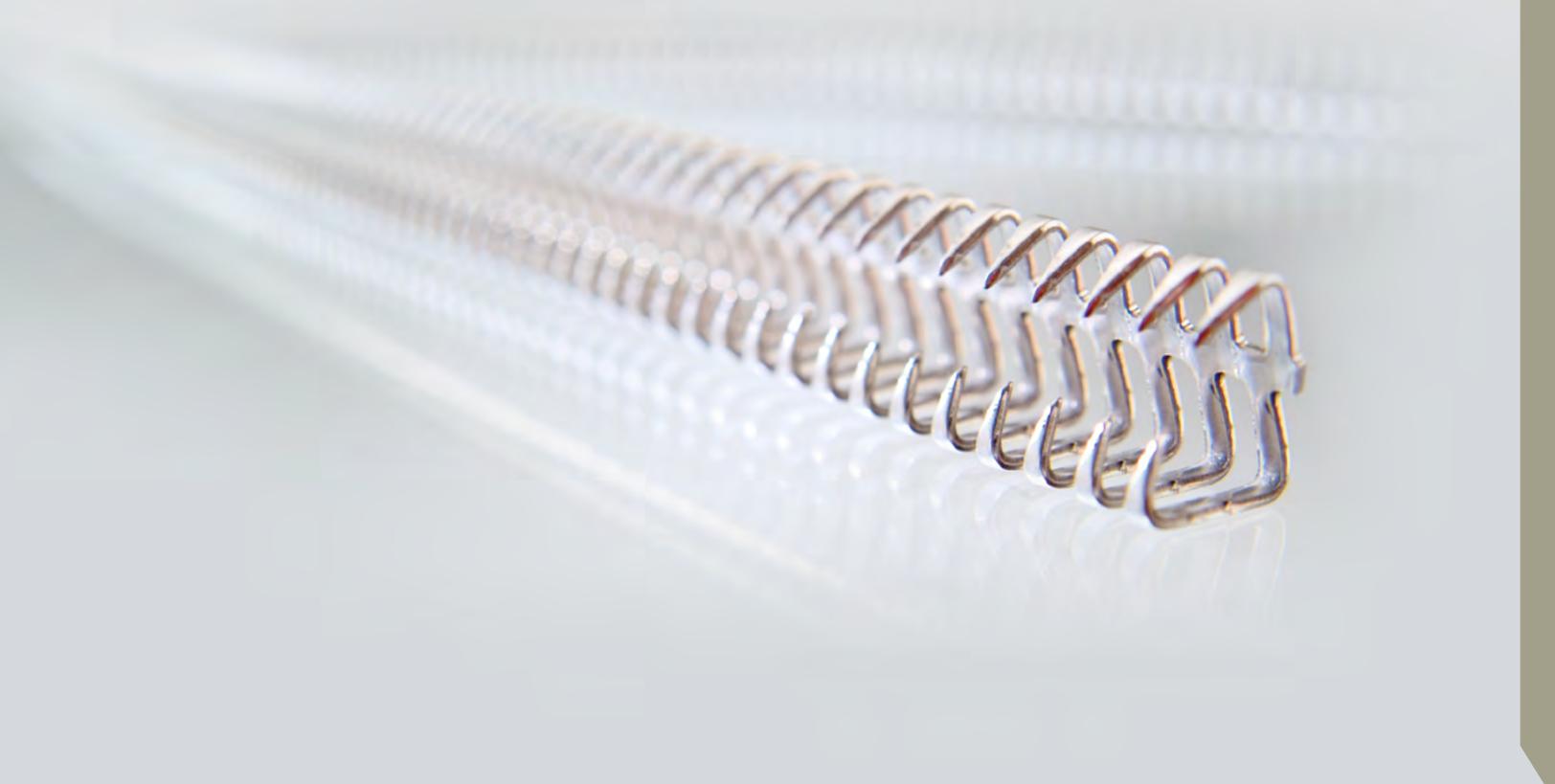
STEELGRIP™



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
00	6	6"
1A	6	6"
7	6	6"
15	4	12"
20	4	12"
27K	4	12"
27L	8	12"
35N	4	12"
45U	4	12"

STEELGRIP STAINLESS STEEL POWER TRANSMISSION LACING

ITEM	NO. OF SETS	LENGTH
00S	6	6"
1AS	6	6"
7S	6	6"
15S	4	12"
20S	4	12"
27KS	4	12"
35NS	4	12"
45US	4	12"

Economy Cartons

These cartons are a convenient way to purchase our quality product for counter display. Each carton comes packed with 10 individual 12" sets in their own poly-wrapped enclosure. Each contains a gauge pin and hinge pin. Sold in cartons only.

SIZE
15E
20E
27E
35E

SELECTING SIZE, WEIGHT & METAL

Steelgrip lacing comes in eight sizes for belts from 1/16" to 3/8" 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	MIN. PULLEY	SIZE
1/16"	1"	00
1/16" - 3/32"	1 1/2"	1A
3/32" - 9/64"	2"	7
1/8" - 5/32"	2 1/2"	15
5/32" - 3/16"	3"	20
1/4" - 9/32"	5"	27
9/32" - 5/16"	7"	35
5/16" - 3/8"	9"	45

SHIPPING WEIGHT

Steelgrip shipping weight was calculated based on a 12" lacing length, shipped in sets of four.

SIZE	WT. LBS.
00	0.3
1A	0.6
7	0.8
15	1.0
20	1.1
27	1.8
35	2.7
45	3.2

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 60". Special lengths, including continuous strips, are also available.

CONVEYOR BELT LACING – STEEL

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

	00	1A	7	15	20	27	35	45
12"								
14"								
16"								
18"								
20"								
24"								
30"								
36"								
42"								
48"								
60"								

	00S	1AS	7S	15S	20S	27S	35S	45S
12"								
14"								
16"								
18"								
20"								
24"								
30"								
36"								
42"								
48"								
60"								

Extra Hinge Pins

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

Price per inch. 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 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

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



INSTRUCTIONAL VIDEOS

Watch instructional videos for these and other Conveyor Accessories products online at: conveyoraccessories.com/instructions

UNIVERSAL TOOLS

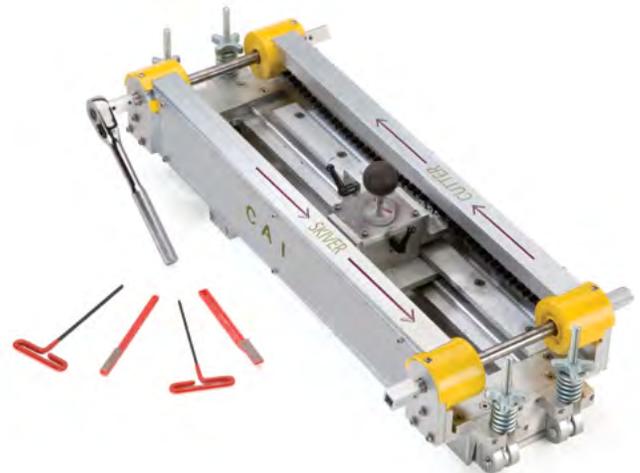
Electric Skiver CAI'S Electric skiving tool kit (EST-KIT) quickly skives belts for fast and easy installation of mechanical fasteners. Unit has 4 temperature settings for multiple rubber compounds. Pressure enabled contacts heat blades precisely when cutting, maximizing blade life. Clamping jaws adjust 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	1/4" (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

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



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



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

NUMBER
BH-3P

Grip-Tite Heavy Duty Belt Clamps Conveyor Accessories lightweight aluminum belt clamps are the perfect tool for pulling conveyor belts together for quick repair, vulcanizing, and fastener installation. These clamps offer excellent gripping action with the uniquely designed built-in interlocking system. This eliminates the need for bolts or other types of mechanical devices. These versatile clamps have a load capacity of up to 3 tons. Sizes range from 20" to 96" belt widths. Complete set includes 4 clamp bars and 4 yokes or scissors.

STYLE 1 - COMPLETE SET

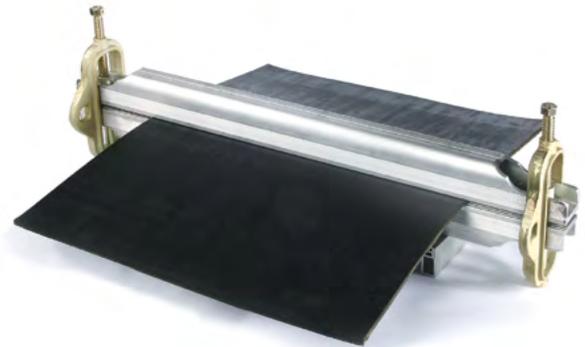
NUMBER	WEIGHT (LBS.)
BC-20-1	53.2
BC-24-1	58.6
BC-30-1	64.4
BC-36-1	73.4
BC-42-1	80.4
BC-48-1	88.2
BC-54-1	96.0
BC-60-1	103.8
BC-72-1	119.4
BC-84-1	135.0
BC-96-1	150.6



STYLE 1

STYLE 2 - COMPLETE SET

NUMBER	WEIGHT (LBS.)
BC-20-2	54.8
BC-24-2	60.2
BC-30-2	66.0
BC-36-2	75.0
BC-42-2	82.0
BC-48-2	89.8
BC-54-2	97.6
BC-60-2	105.4
BC-72-2	121.0
BC-84-2	136.6
BC-96-2	152.2



STYLE 2

STYLE 3 - COMPLETE SET

NUMBER	WEIGHT (LBS.)
BC-20-3	64.8
BC-24-3	70.2
BC-30-3	76.0
BC-36-3	85.0
BC-42-3	92.0
BC-48-3	99.8
BC-54-3	107.6
BC-60-3	115.4
BC-72-3	131.0
BC-84-3	146.6
BC-96-3	162.2



STYLE 3

Belt Clamp Yokes & Scissors

Conveyor Accessories offers two different styles of yokes along with the ever-popular scissor style. The #1 style yoke is design to travel up and down the clamp bars to accommodate various belt widths, while the #2 style yoke along with the #3 scissors are design to work on specific belt widths. These clamps are manufactured to the highest standards and will provide excellent service for the toughest of jobs.

STYLE	WEIGHT (LBS./EA.)
#1 STYLE YOKE	6.4
#2 STYLE YOKE	6.8
#3 SCISSOR	9.3

#1 YOKE



#2 YOKE



#3 SCISSOR



CLAMP BAR ONLY

USED WITH STYLE 1 CLAMPS ONLY

NUMBER

BCB-20
BCB-24
BCB-30
BCB-36
BCB-42
BCB-48
BCB-54
BCB-60
BCB-72
BCB-84
BCB-96

CLAMP BAR ONLY

USED WITH STYLE 2 & 3 CLAMPS ONLY

NUMBER

BCBM-20
BCBM-24
BCBM-30
BCBM-36
BCBM-42
BCBM-48
BCBM-54
BCBM-60
BCBM-72
BCBM-84
BCBM-96

MISC. PARTS

PART

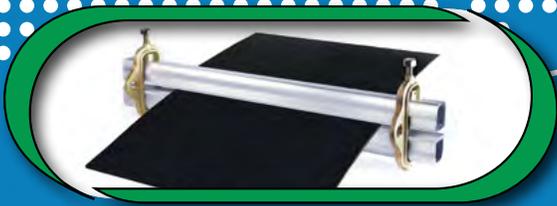
PEDESTAL FOOT
& SCREW
SCREW & NUT
SHACKLES
WASHERS
PINS

*Proudly Manufactured
in the United States*

PLATEGRIP™
RIV-NAIL™
STAPLEGRIP™
STEELGRIP™
GRIP-TITE™

*“Integrity is what we do, what we say,
and what we say we do.”*

Don Galer



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