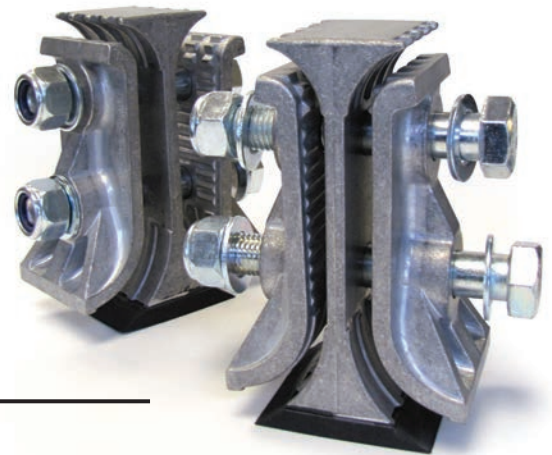


## TOOLS RECOMMENDED

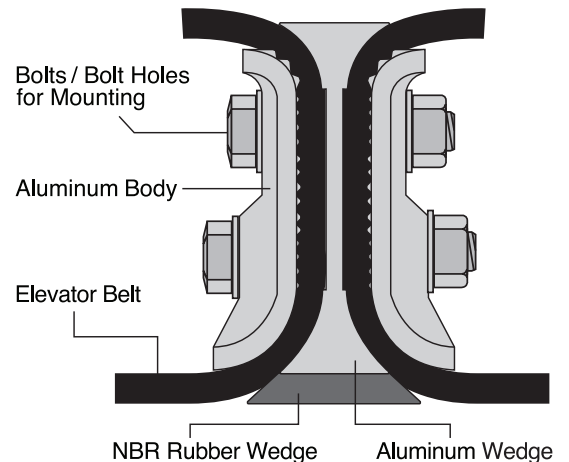
- Maxi-Lift Super Punch for 13/16" Diameter Holes
- Torque Wrench
- 1-1/16" Diameter Deep Socket
- 1-1/8" Wrench
- Impact Wrench
- Super Splice Template Tape
- Clamps to Hold Belt in Position

# MAXI-SPLICE<sup>™</sup> SUPER

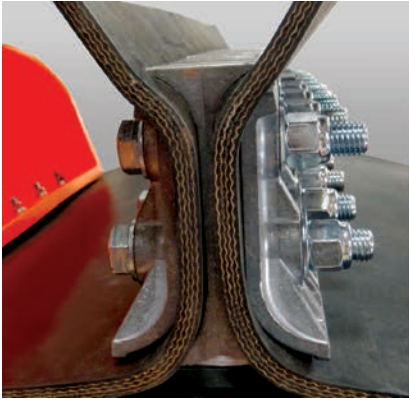


## INSTALLATION

1. First, ensure that belt ends are square and even. If using the template tape, you must first divide the belt width by 3, and apply the tape to the left belt edge as follows:
  - A. Use the line marked "LEFT BELT EDGE" (if evenly divided by 3)
  - B. Use the line marked "LEFT BELT EDGE" (if divided by 3 with .333 remainder)
  - C. Use the line marked "LEFT BELT EDGE" (if divided by 3 with .666 remainder)Make sure the template tape is applied squarely to the belt.
2. Use the Super Punch, or other boring tool to cut holes in the belt at the marked positions. These holes must accommodate 3/4" diameter bolts.
3. Pull the ends of the belt together, square up and clamp in place. Use the already punched holes as a guide to punch the other belt end.
4. Prepare the center section of each splice by installing the rubber wedge, and any required shims per below.
  - A. Up to 1/2" thick belting, mount the rubber wedge, without shims, directly to the aluminum center section.
  - B. 1/2" thick to 5/8" thick, insert one shim between the rubber wedge and the center section.
  - C. 5/8" thick to 3/4" thick, insert both shims between the rubber wedge and the center section.
5. Secure the Wedge/shim assembly using the supplied allen key screws and allen wrench. If reusing the screws, you must apply a new coating of thread lock.
6. Insert the center Super Splice wedge between the two belt ends, aligning with the drilled holes. The center wedge should be placed so the rubber wedge is toward the pulley side. Place one of the two outer plates on the belt top, and align with the holes drilled in the belt. The large radius end should be toward the pulley side of the belt. Apply one of the washers to the longer of the two bolts and insert the bolt through the hole at the pulley end, then place the shorter bolt with washer in the hole at the belt tail. The bolt head should be up towards the upward side of the elevator to protect the threads from wear during filling.
7. Once the bolts are through the belting, apply the bottom plate and apply the flat washer and thread on the nylon insert nut. Tighten until lightly snug. You will want the splices relatively loose at this point so they may be squared with one another before final tightening. Due to the thickness and stiffness of thicker belting, it may be necessary to use clamps to pull the splice together to allow the nut to be applied.
8. Repeat this process until all units are in place.
9. While still loosely fastened, make sure all of the Super Splice units are square and properly lined up. Use the 1/2" impact wrench to snug all of the bolts to 50 foot pounds, beginning with the outside splice on each side. Now go to the center splice, tighten, and then alternate from left to right until all units are tightened. Tighten the longer bolt first in each unit, then tighten the second bolt. Both bolts should be tightened to a final torque of 150 foot pounds.
10. Once the unit is fully tightened, release the clamps and allow the belt to pull into its natural position. Operate the elevator empty for 30 minutes and recheck the torque.
11. Operate the elevator under load, and recheck again.



**IMPORTANT - Due to the inherent compression properties of the thicker rubber belts, it will be necessary to inspect the splice often for the first week of operation, as the belt will compress, and bolt torque is reduced. Failure to do so could result in splice failure. Splice inspection should be a regular part of any maintenance program.**



## MAXI-SPLICE SUPER KIT



Each Maxi-Splice Super Kit Contains:

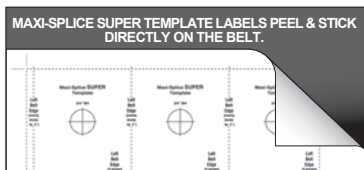
- 2 Outside Aluminum Gripping Plates
- 1 Inside Aluminum Gripping Plate
- 1 Replaceable NBR Rubber Wedge
- 1 Grade 5 Hex Head Bolts 5" Length x 3/4" Diameter
- 1 Grade 5 Hex Head Bolt 5-1/2" Length x 3/4" Diameter
- 4 SAE 3/4" Diameter Zinc Plated Flat Washers
- 2 Nylon Insert Locking Nuts 3/4" ID
- 2 Ea. Aluminum Shims
- 2 M6x16 Allen Head Screws
- 1 Allen Wrench
- Installation Instructions

## SUPER PUNCH



- Made With Durable Heat Treated Carbon-Steel
- Reinforced Blade Easily Cuts 13/16" Diameter Holes
- Impact Adapter Available When Necessary
- Use With a Hand-Held Mallet, Impact Wrench, or Drill
- Always Wear Eye Protection

## TEMPLATE TAPE (FREE)



← ILLUSTRATION DEPICTS USAGE ON AN 8 INCH BELT. →

- Peel and Stick Directly on Belt
- Improves Belt-Punching Convenience
- Marks Hole Locations (See Step 1 on Reverse for Proper Alignment Instructions)
- Clearly Marked in White and Orange Lettering
- Included With Every Splice Order

## WARNING: DO NOT USE MAXI-SPLICE SUPER ON MAN-LIFTS

- Maxi-Lift, Inc. and Dura-Buket, Co. do not solicit nor recommend the use of the Maxi-Splice Super in splicing manlift belts. The Maxi-Splice Super was not designed for this purpose, and any installation of the Maxi-Splice Super in this application may cause serious harm or even death. Do not use on steel cable belts.
- Do Not re-use nylock nuts on the Maxi-Splice Super. When reinstalling splices, please use new nylock nuts.

**IMPORTANT - Due to the inherent compression properties of the thicker rubber belts, it will be necessary to inspect the splice often for the first week of operation, as the belt will compress, and bolt torque is reduced. Failure to do so could result in splice failure. Splice inspection should be a regular part of any maintenance program.**

**\*As with any belt splice, after installation, continued inspection of the total installation is required or failure can occur.**

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**For Additional Details Please Call 1-800-527-0657 or Visit Us Online at: [www.maxilift.com](http://www.maxilift.com)**