

# Joining Compact-Grid™

Compact-Grid™ is one of the easiest conveyor belts to join in the market. Wire Belt's Engineering Team designed Compact-Grid™ so that joining the belt would be a simple and swift process.

Wire Belt has custom designed the Compact-Grid™ Joining Tool Kit to make joining as simple and easy as possible. Each tool kit includes two joining levers, and one set of CG-Splice pliers. These tools are especially designed to help align and crimp the belt into place. The CG-Splice pliers are designed to provide a perfectly shaped crimp, making the joint complete without damaging surrounding wire strands, or over-crimping the joining strand.



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## Step 1

Once the belt has been passed through the conveyor circuit, and properly located on the drive and idler components the leading belt-end hooks will align with the trailing belt-end loops... as shown in this photo.



## Step 2

Insert the leading belt-end hooks into the trailing belt-end loops as shown.



### Step 3

Once the hooks and loops are joined together, the belt can be slightly tensioned, before the final steps in the joining operation are performed. Be careful not to over-tension the belt at this point because a little slack will be required for the next step.



### Step 4

After the appropriate amount of tension has been applied, the CG-Splice Levers can be inserted into the belt hooks and loops as shown here.



### Step 5

Once the CG-Splice Levers are in place, apply a slight amount of leverage to form a tented position before moving onto the next step.



### Step 6

With the CG-Joining levers in place, and the belt in a slightly "tented" position, the CG-Joining pliers can be used to crimp down the leading belt hooks. The pliers are designed to fit within the mesh of the belt, which enables the strand to be crimped to the proper depth.

