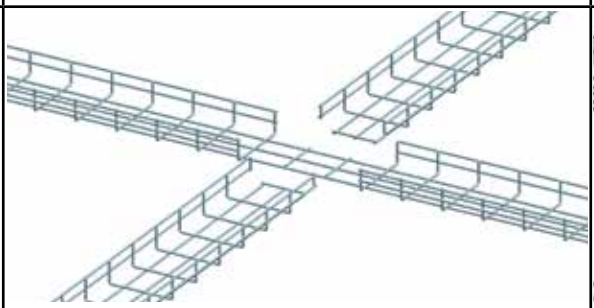
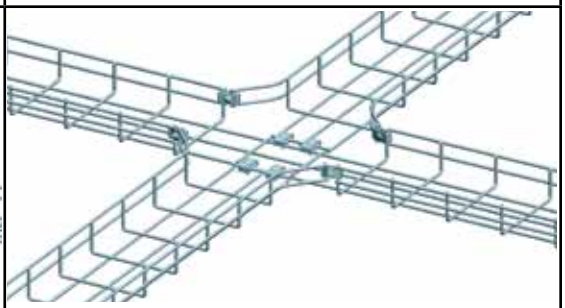
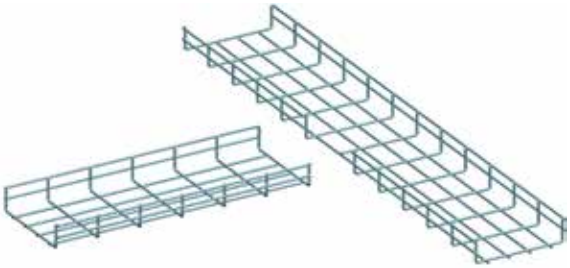
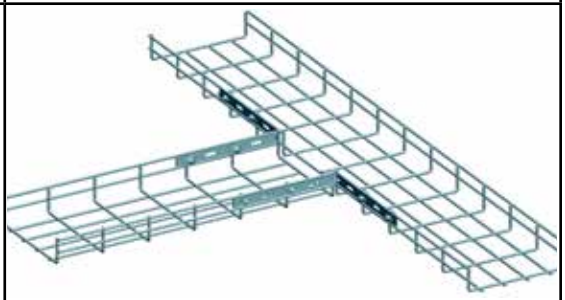
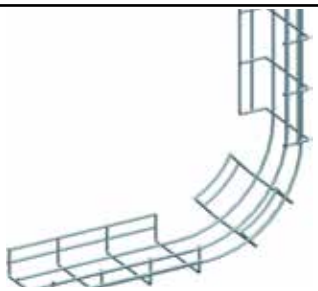
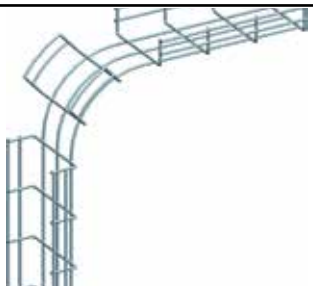
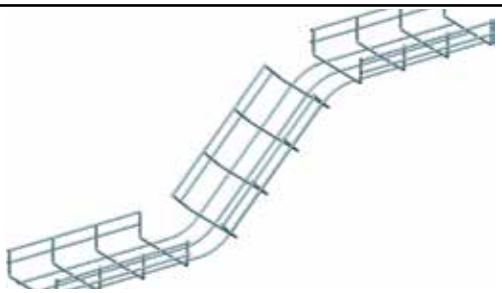
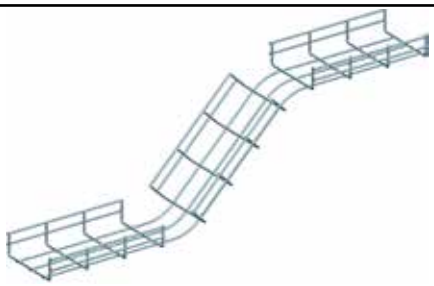
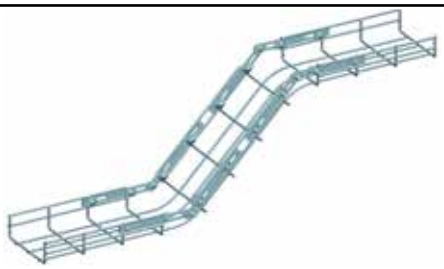
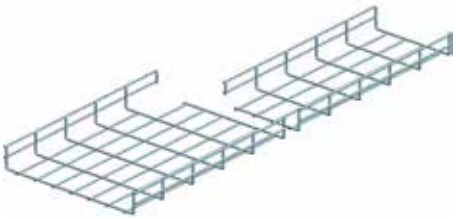
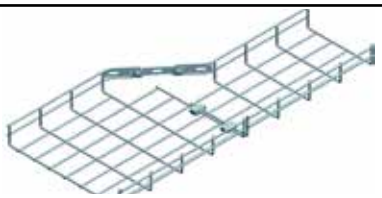
Our Wire Run Cable Tray products can be bent and shaped into a variety of configurations to route your cable runs as you desire, including **Horizontal Bends**, **Vertical Rises**, **Size Reduction**, **T-Connections** and **Cross Joints**. These arrangements can be created by using our standard cable tray sections and removing specific pieces as directed using the **Cutter tool (WR-TRAYCTR65)**, and then bending and securing the tray pieces together using **Couplers (WR-CPLKK34)**, **Corner Strength Bars (WR-CNRSBAR-EZ)** and **Adjustable Connectors (WR-ADJCN-EZ)**. Use the images and instructions in this Assembly Guide to assist you in accomplishing directional changes and junctions in your cable tray runs as you see fit.

Follow the diagrams below to make **Cross Joints** and **T Connectors** in your **Cable Tray Runs**.

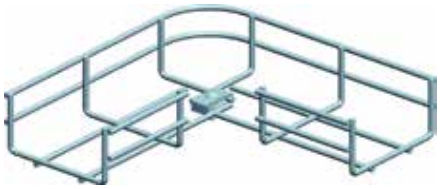
Width	Cut	Bend
Cross Joint	 Cut sections from trays as pictured.	 Bend Trays as shown so tray sections connect. Use **eight Couplers (WR-CPLKK34)** total as shown on sides where cut tray sections meet, and on the bottom where tray sections connect.
T Connector	 Cut tray sections as shown.	 Connect trays as shown using **two Corner Strength Bars (WR-CNRSBAR-EZ)**.

Follow the diagrams below to make **Vertical Bends** and **Size Reductions** in your **Cable Tray Runs**.

Width	Cut	Bend
Internal Riser	 Cut tray section as shown.	 Bend tray as shown.
External Riser	 Cut tray section as shown.	 Bend tray as shown.
Elevation	 Cut tray section as shown.	 Bend tray as shown.
Elevation with Support	 Cut tray section as shown.	 Bend tray and using a total of **four Adjustable Connectors (WR-ADJCN-EZ)**, secure sections as shown.
Reducer	 Cut wide and narrow tray section as shown.	 Bend side protrusions of each tray toward each other, and use **Strengthening Bar (WR-STRBAR0-EZ)** on side section and **two Couplers (WR-CPLKK34)** on bottom to connect trays as shown.

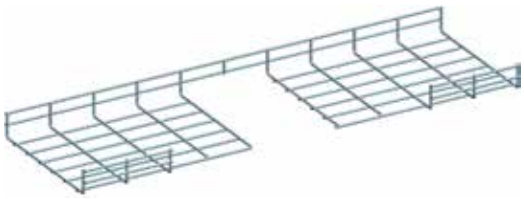
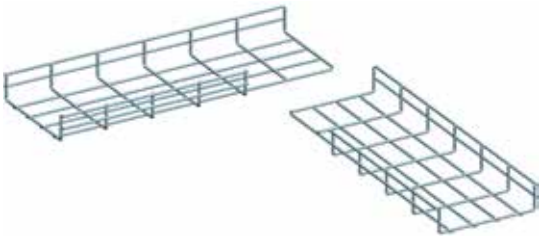
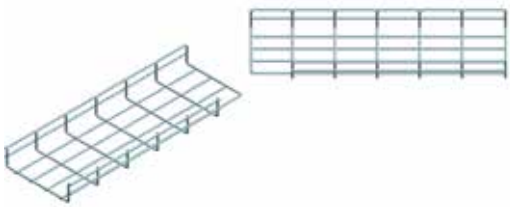
Using our **Couplers**, **Adjustable Connectors**, **Fastlocks**, and **Corner Strength Bars**, you can save money while giving yourself the freedom to make exactly the types of adjustments to your tray runs that you desire. Following the guidelines in this manual, you can create horizontal bends, junctions, vertical risers and zig zags, all by using our **Cable Tray Cutter** to remove sections of tray, bending the tray to your desired direction, and then securing it in position with the hardware we offer. Rather than letting your cable trays dictate your run, you can have the flexibility to plan your route exactly as you need it using the diagrams provided.

Follow the diagrams below to create **Horizontal Bends** in your **Cable Tray Runs**.

Width	Cut	Bend
4″ / 6″	 Cut sections from the tray as shown.	 Bend the tray to a right angle. Secure intersecting tray sections with **one Coupler (WR-CPLKK34)** as pictured.
8″	 Cut sections from the tray as shown.	 Bend the tray to a right angle. Secure intersecting tray sections with **one Coupler (WR-CPLKK34)** as pictured.

Horizontal Bends

Follow the diagrams below to create **Horizontal Bends** in your **Cable Tray Runs**.

Width	Cut	Bend
12″	 Cut sections from the tray as shown.	 Bend the tray to a right angle. Use **two Couplers (WR-CPLKK34)** to secure the overlapping tray sections as shown.
90^0 Split Joint	 Cut sections of both trays as pictured.	 Overlap the tray sections at 90 degree angle and secure sides and bottom with **four Couplers (WR-CPLKK34)** as shown.
Angle Joint	 Cut sections of both trays as pictured.	 Overlap trays at desired angle, and secure sides and bottom using **two Couplers (WR-CPLKK34)** as shown.
Radian Bend	 Cut sections from tray as pictured.	 Bend tray as shown, and secure **with three Couplers (WR-CPLKK34)** at points where inner tray sections meet.