🔧 What is a *Link Connector* in Revit MEP?

The **Link Connector** is used **to connect multiple connectors together**, **logically**, within a family. It tells Revit that the flow, system, and calculations can move through from one connector to another **as if they were one**.

✳️ When is it used?

You use **Link Connector** especially in **multi-port fittings** like:

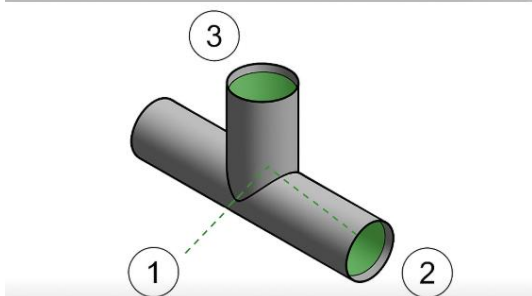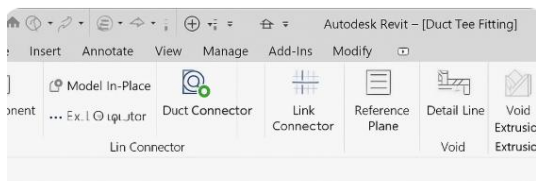- **Tees**
- **Wyes**
- **Manifolds**
- **Complex adapters**

These fittings have **three or more connectors**, and Revit needs to know how they relate to each other **logically and functionally**.

🛠️ Example: Creating a Tee Family

Imagine a **duct tee**:

- **Connector 1**: Main run in
- **Connector 2**: Main run out
- **Connector 3**: Branch out

-      (3)
-       |
-       |
- (1)---T---(2)

🔧 What is a *Link Connector* in Revit MEP?

Here's what you do:

1. Add all **3 Duct Connectors** to the geometry.
2. For the **main run**, link **Connector 1** and **Connector 2** together.
   - Use the **Link Connector** command to select both.
   - This tells Revit: "*These are part of the same logical path, flow continues through here.*"
3. Do **not** link the branch connector (Connector 3) to the others.
   - It should remain **unlinked**, since it forms a **T-junction** off the main path.

🔄 Why is it important?

- **Calculations**: Helps Revit compute pressure loss, flow direction, etc.
- **System recognition**: Ensures the fitting connects correctly in MEP systems.
- **Correct sizing**: Revit knows where to continue duct/piping sizing logic.

⚠️ Common Mistakes

Mistake	Problem it Causes
Not using Link Connector	Revit doesn't understand how flow passes through.
Linking all connectors	Revit treats it like a straight-through connection; incorrect for tees.
Wrong connector direction	Flow direction mismatch, system errors.

🧠 Visual Tip

In **Family Editor**, once you **link connectors**, Revit **draws a green line** between them. That's how you know they're logically connected.

☑ Summary

In a Tee:

- Link **only** the two in-line connectors (main run).
- **Don't link** the branch connector.
- This defines a proper **flow path** for MEP systems.

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