MegaPress 304 FKM Compound Tee

Revit Content Instructions Guide

Manufacturer & Product: **Viega, MegaPress 304 FKM Series Compound Tee**
Files: *"Compound_Fitting-Tee-Equal_Reducing-Viega-MegaPress_304_FKM-4118_4115_4115_1-PxPxP-0_5in-4in.rfa"*

This family contains the following main variations or types:

- Sizes include 0.5 in., 0.75 in., 1 in., 1.25 in., 1.5 in., 2 in., 2.5 in., 3 in., 4 in. with Press Connection type.

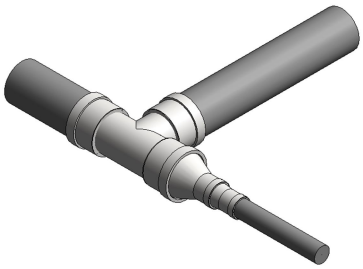

Figure 1.1 – Compound Tee 4"x1.5"x4"

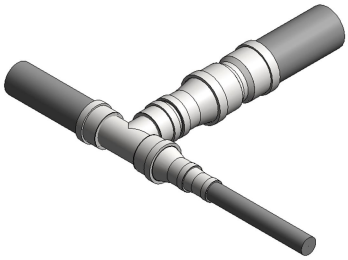

Figure 1.2 – Compound Tee 3"x1.5"x4"

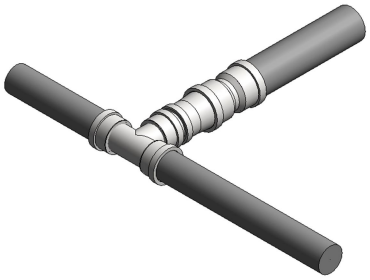

Figure 1.3 – Compound Tee 2.5"x2.5"x3"

Compound Tee Family

Viega's Compound fittings for Autodesk® Revit® are composed of Standard Tee (Press x Press x Press), Coupling (Press x Press) and Reducers (Press x FTG), to create any configuration necessary while maintaining accurate schedule counts.

A few items to understand to make the fitting work properly:

- Compound Tees contain nested families and lookup tables to fix end type schedules based on OOTB Revit® programming issues by combining a Press x Press x Press Tee, and multiple combinations of FTG x Press Reducing Coupling at the end, along with any coupling combination necessary to step the fitting down multiple sizes, with a correct fitting count on the schedules.
- Nested families use the "Shared" checkbox to relay information to the schedule.
- The "Compound fitting" and the nested components will appear in schedules. Filter out the "Description" for "Compound" on Material Schedules to correct quantity counts.

Pipes connected to the fitting can be altered to achieve the required outlet sizes by updating fitting combinations. This fitting becomes useful when a desired combination of sizes is not available via standard Tee fitting. e.g. If a junction of size 0.5 in. x 0.5 in. x 4 in. is needed then the Standard Tee of "0.5 in. x 0.5 in. x 0.5 in." and Reducers of size "0.5 in. x 1 in.", "1 in. x 2 in.", and "2 in. x 4 in." along with a Press x Press Coupling of "4 in. x 4 in." are combined to form a Compound Tee.

Instance Properties

Please note: The gap between the Press End of Tee and Press End of Reducer can be controlled via the parameter shown below. Minimum value of this parameter depends on pipe diameter and material. This value can be defined by user as per requirement. In the Compound Fitting, it is restricted to the minimum value specified by Viega, for a given pipe size and material.

Construction	
Branch Fitting Gap	Specify the gap length between two Press ends e.g., Tee Branch end and Press end of reducer.

Loading and Placing into the Project

To work with the Viega, MegaPress 304 FKM Series Compound Tee in Revit, a family is provided. Navigate to the Insert Tab > Load Family button on the Revit ribbon to load the family.

Please ensure that the visibility settings within the project are modified to have the Piping category visible.

Figure 3 - Visibility/Graphic Overrides

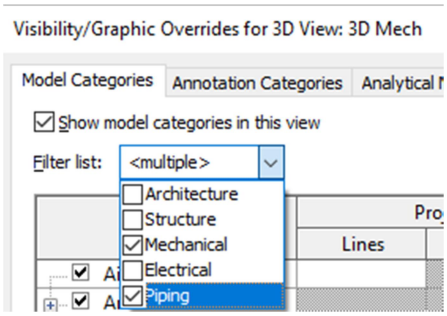

Figure 2 - Insert Tab > Load Family

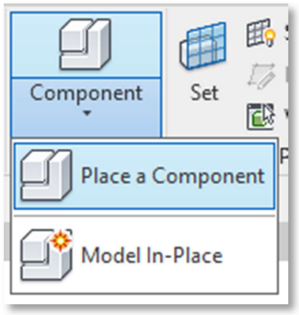

Figure 4 - Systems Tab > Component > Place a Component

One way to place a Viega, MegaPress 304 FKM Series Compound Tee is to go to the Systems Tab on the Revit ribbon and navigate to the Component button with Place a component fly-out selected.

Another way to place a Viega, MegaPress 304 FKM Series Compound Tee is to go to Pipe Routing Preferences, under Junction Tab, select the fitting and specify Minimum and Maximum Sizes for Compound Tee. Now while drawing this Pipe in 3D-view or Plan view, a Compound tee will appear at pipe junctions.

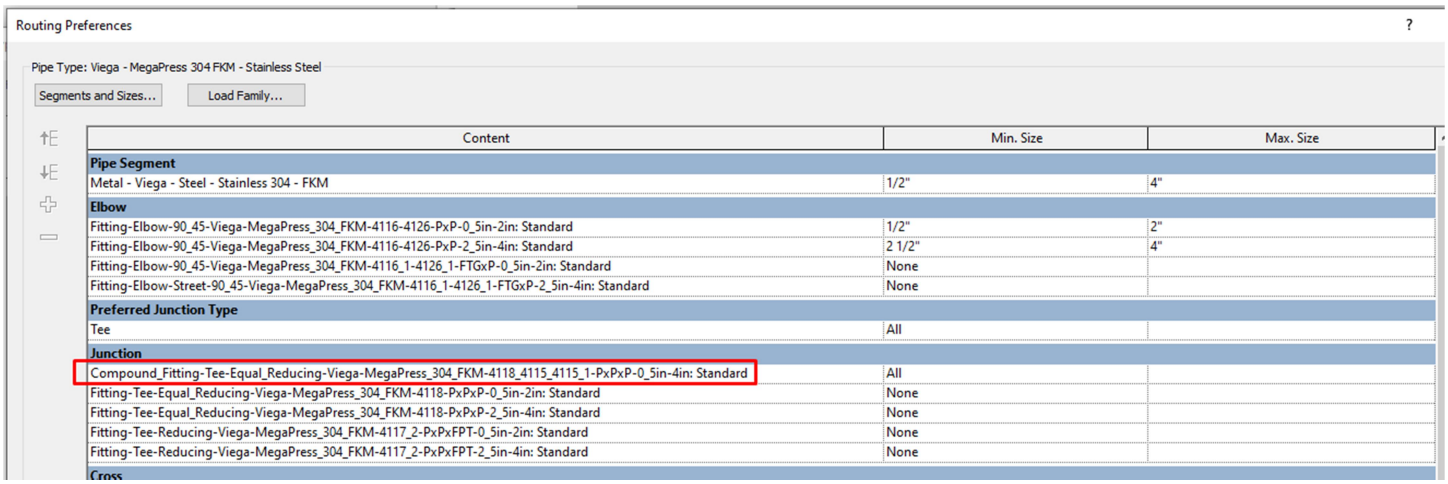

Figure 6 – Pipe Routing Preferences, showing selection of Compound Tee under Junction tab.

Project Behavior

Once placed in a plan view/ 3D-view, we can get information about overall dimension and Part numbers (under Identity Data Tab), for each nested family by selecting the compound tee.

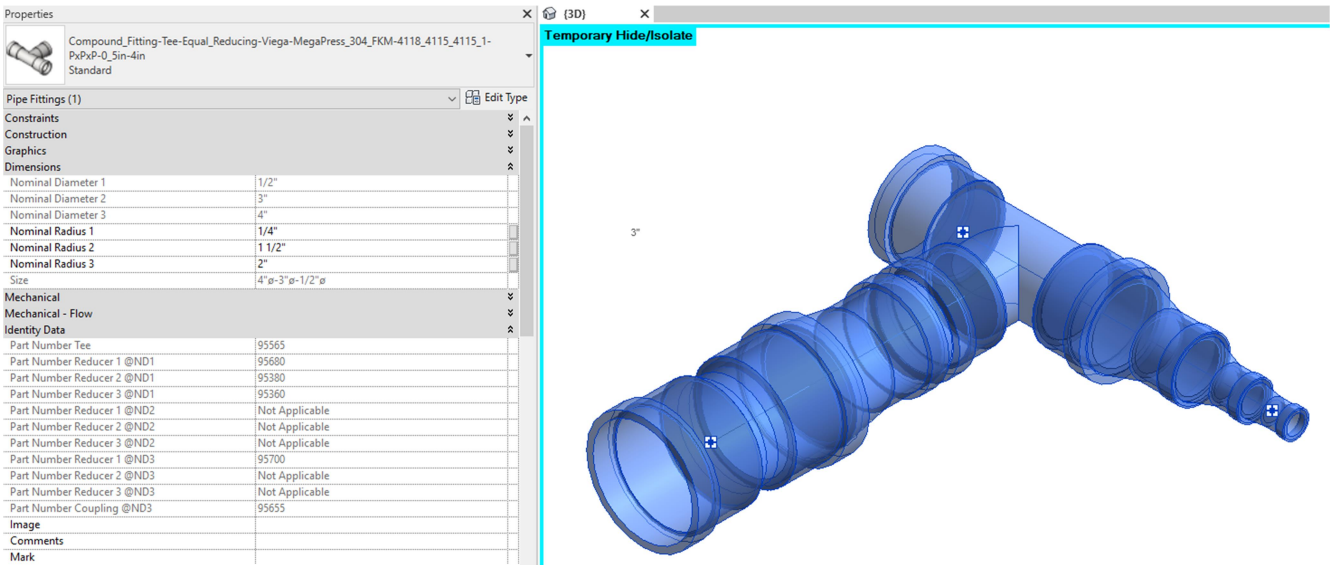

Figure 5 – The Viega, MegaPress 304 FKM Series Compound Tee families can be found under pipe fittings in the project browser and placed directly into plan-view or 3D-view. Part Numbers for each nested family can be seen under Identity Data Tab.

Schedule Creation

Within the type and instance properties dialogues, the Revit user will find useful information for scheduling purposes such as Type, Part Description, Part Number/Model, Family Version, Manufacturer, Series, & Product Page URL. The resulting Pipe Fitting schedule in your project will show counts/quantities of the Viega, MegaPress 304 FKM Series Compound Tee as well as nested fittings such as Tee, Reducers and Couplings.

Manufacturer	Model	Part Number	Series	Product Page URL	Unit Weight	URL
Compound_Fitting-Tee-Equal_Reducing-Viega-MegaPress_304_FKM-4118_4115_4115_1-PxPxP-0_5in-4in						
Viega			MegaPress 304 FKM	https://www.viega.us/en/produ		http://www.viega.us/
n_Fitting-Coupling-Stop-Viega-MegaPress_304_FKM-4115-PxP-0_5in-4inXL						
Viega	4115XL	95650	MegaPress 304 FKM	https://www.viega.us/en/produ	2.438 lb	http://www.viega.us/
n_Fitting-Reducer-Viega-MegaPress_304_FKM-4115_1-FTGxP-0_5in-4in						
Viega	4115.1	95360	MegaPress 304 FKM	https://www.viega.us/en/produ	0.347 lb	http://www.viega.us/
Viega	4115.1	95380	MegaPress 304 FKM	https://www.viega.us/en/produ	0.932 lb	http://www.viega.us/
n_Fitting-Reducer-Viega-MegaPress_304_FKM-4115_1-FTGxP-0_5in-4inXL						
Viega	4115.1XL	95685	MegaPress 304 FKM	https://www.viega.us/en/produ	1.962 lb	http://www.viega.us/
Viega	4115.1XL	95690	MegaPress 304 FKM	https://www.viega.us/en/produ	2.905 lb	http://www.viega.us/
n_Fitting-Tee-Equal_Reducing-Viega-MegaPress_304_FKM-4118-PxPxP-0_5in-4inXL						
Viega	4118XL	95560	MegaPress 304 FKM	https://www.viega.us/en/produ	3.346 lb	http://www.viega.us/
Viega	4118XL	95570	MegaPress 304 FKM	https://www.viega.us/en/produ	0.000 lb	http://www.viega.us/

Figure 7 – Pipe Fitting Schedule showing compound Tee and nested families with Part Numbers.