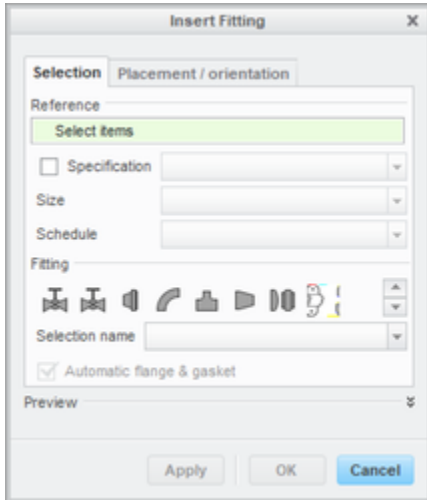


# Fitting Category Map File

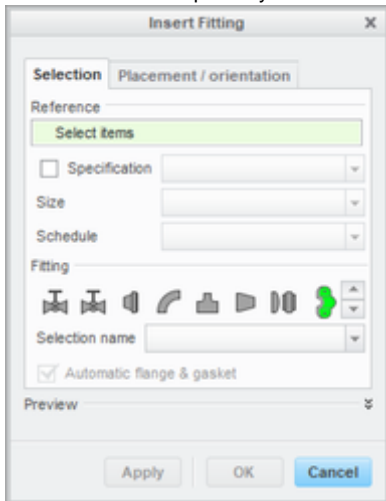
The fitting category map file is what allows users to customize the "insert fitting" GUI in spec-driven piping

PTC's documentation on the *true* requirements are unclear and inconsistent. These are the real rules

- Images can be ".gif", ".pcx", or ".bif" (a ".bmp" that is simply just renamed).
  - PCX files are stupid. Even creating them with photoshop leads the images to not look correct

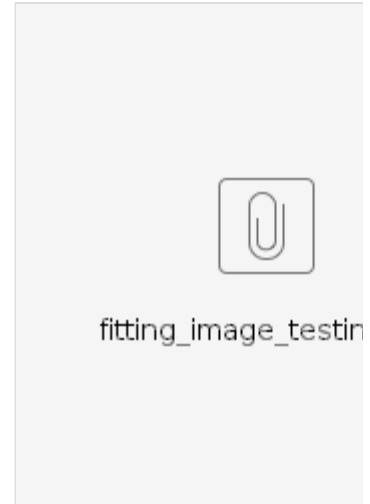


- The GUI can handle images with color
  - It also handles transparency for GIFs



- PTC's Default images are 20x20px
  - the first image is us saving a 22x22px - notice the "arrows". The second image is 20x20px - no arrows 😊

## Related Files

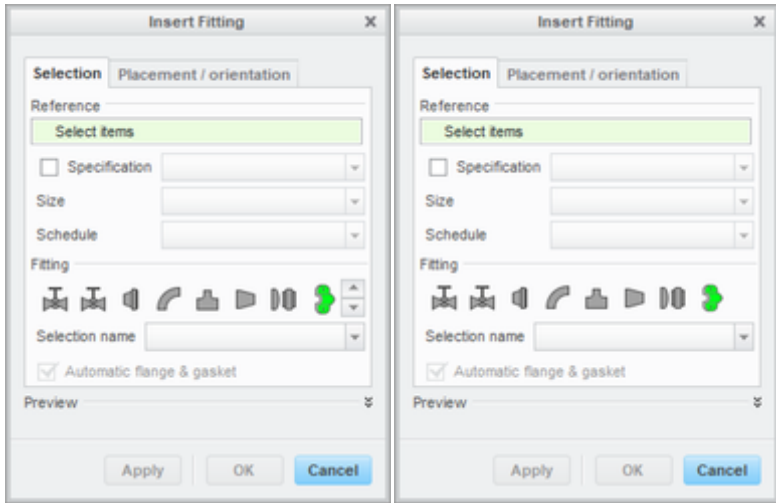


## Related Links

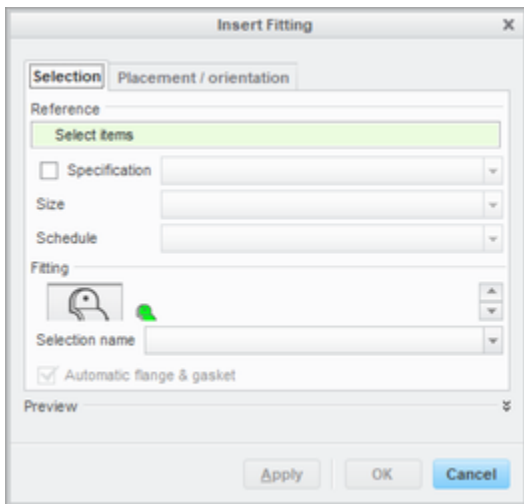
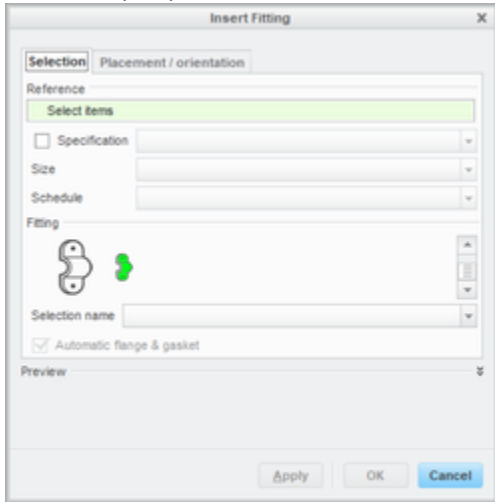
[https://www.ptc.com/cs/help/creo\\_hc/creo20\\_hc/index.jsp?id=Creating\\_Fitting\\_Category\\_Icons&action=show](https://www.ptc.com/cs/help/creo_hc/creo20_hc/index.jsp?id=Creating_Fitting_Category_Icons&action=show)

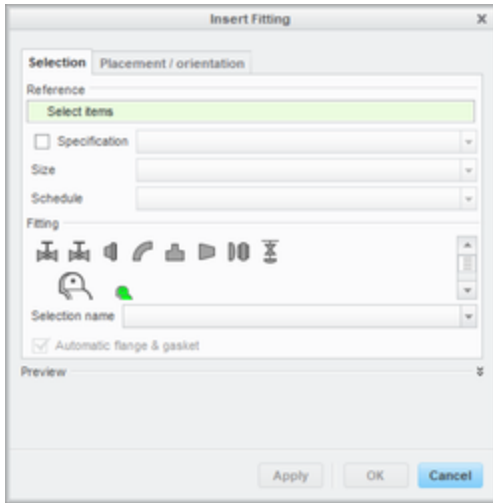
<https://www.ptc.com/en/support/article?n=CS160786&language=en&posno=1&q=fitting%20category%20icon&source=search>

<https://community.ptc.com/t5/Creo-Ideas/Custom-resource-location-for-quot-Fitting-Category-Icons-quot/idi-p/456881>

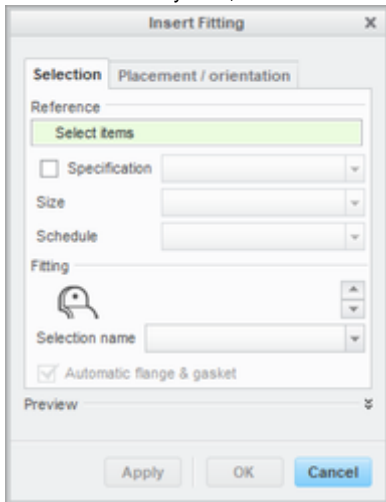


- Images can be larger than 24x24px
  - However they may not show well, since the default space for the "row" is 24px





- even if it is the only icon, it still won't resize the GUI by default

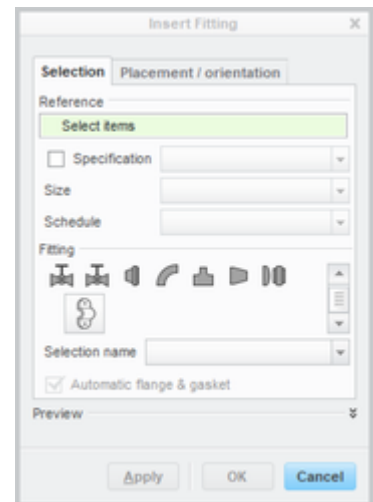


- PTC claims that all files MUST be in the "<Creo loadpoint>\Common FilesM###\textresource" directory... however this is NOT TRUE
- To test, we placed an image in the folder directly above - and tested the following file
- as you can see from the results, the 4th image worked! (the first three are super small and non-existent)

```

5 "ICON_NUMBER" "ICON_BITMAP" "FITTING_CATEGORY" "VALVE_NUMBER"
6 1 "fit_valve" "VALVE,ANGLE_VALVE" "YES"
7 2 "fit_valve" "RELIEF_VALVE,ANGLE_VALVE_RED" "YES"
8 3 "fit_flange" "FLANGE" "NO"
9 4 "fit_elbow" "ELBOW" "NO"
10 5 "fit_branch" "BRANCH,ELBOW_LET" "NO"
11 6 "fit_red" "REDUCER" "NO"
12 7 "fit_general" "GENERAL,JOINT" "NO"
13 8 ".\FittingClip24.gif" "GASKET" "YES"
14 9 ".\FittingClip24.gif" "GASKET" "YES"
15 10 ".\FittingClip24.gif" "GASKET" "YES"
16 11 ".\FittingClip24.gif" "GASKET" "YES"
17 12 ".\FittingClip24.gif" "SUPPORT" "YES"
18 13 ".\FittingClip24.gif" "GASKET" "YES"
19 14 ".\FittingClip24.gif" "SUPPORT" "YES"
20 14 "C:\Users\sully\Desktop\image\FittingClip24.gif" "SUPPORT" "YES"

```

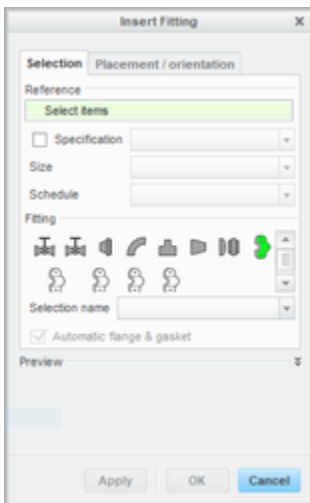


- From here, we expanded this testing even further
  - The only two that DIDNT work were numbers 9 and 11
  - What's amazing about this is... now we know we can use long-name, as well as full-path symbols!!

```

1 !# Pro/TABLE
2 !# Pro/TABLE  TM  Version I-03-13  (c) 1988-99 by Parametric Technology Corpora
3 ![] W 8;
4 ![] S 92;
5 "ICON_NUMBER" "ICON_BITMAP" "FITTING_CATEGORY" "VALVE_NUMBER"
6 1 "fit_valve" "VALVE,ANGLE_VALVE" "YES"
7 2 "fit_valve" "RELIEF_VALVE,ANGLE_VALVE_RED" "YES"
8 3 "fit_flange" "FLANGE" "NO"
9 4 "fit_elbow" "ELBOW" "NO"
10 5 "fit_branch" "BRANCH,ELBOW_LET" "NO"
11 6 "fit_red" "REDUCER" "NO"
12*7 "fit_general" "GENERAL,JOINT" "NO"
13 8 "this_is_a_very_long_file_name_here.gif" "GASKET" "YES"
14 9 ".FittingClip24.gif" "GASKET" "YES"
15 10 "../FittingClip24.gif" "GASKET" "YES"
16 11 "..\FittingClip24.gif" "SUPPORT" "YES"
17 12 "C:/Users/sully/Desktop/image/FittingClip24.gif" "SUPPORT" "YES"
18 13 "C:\\Users\\sully\\Desktop\\image\\FittingClip24.gif" "SUPPORT" "YES"
19 14 "~\\Desktop\\image\\FittingClip24.gif" "SUPPORT" "YES"
20 15 "/c/Users/sully/Desktop/image/FittingClip24.gif" "SUPPORT" "YES"

```

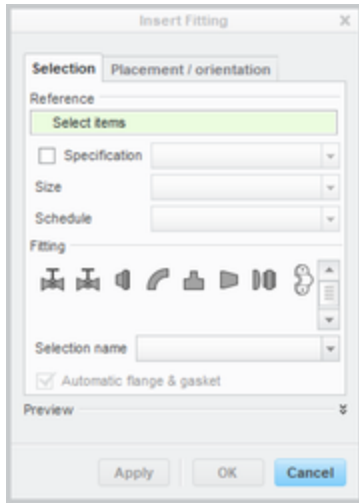


- Lastly... relative paths work as well! Just be sure to use the linux variable "\$<var>" instead of the windows "%<var>%"

```

1 !# Pro/TABLE
2 !# Pro/TABLE  TM  Version I-03-13  (c) 1988-99 by Parametric Technology Corporati
3 ![] W 8;
4 ![] S 92;
5 "ICON_NUMBER" "ICON_BITMAP" "FITTING_CATEGORY" "VALVE_NUMBER"
6 1 "fit_valve" "VALVE,ANGLE_VALVE" "YES"
7 2 "fit_valve" "RELIEF_VALVE,ANGLE_VALVE_RED" "YES"
8 3 "fit_flange" "FLANGE" "NO"
9 4 "fit_elbow" "ELBOW" "NO"
10 5 "fit_branch" "BRANCH,ELBOW_LET" "NO"
11 6 "fit_red" "REDUCER" "NO"
12 7 "fit_general" "GENERAL,JOINT" "NO"
13 8 "$LocalAppData/CadActive/piping_data/icons/FittingClip24.gif" "SUPPORT" "YES"
14 9 "%LocalAppData%/CadActive/piping_data/icons/FittingClip24.gif" "SUPPORT" "YES"

```



## Final Consensus

For the best results, save a ".gif" with transparency, saved as 20x20px, using "Save for Web and Devices" from Photoshop

Save that file wherever you want, and just include the full path to the image 😊

