



# User Guide

BAND COUPLING (FIG. 213)  
ASC ENGINEERING SOLUTIONS

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1. Load the Band Coupling along with the associated Type Catalog – txt file. Associated type catalog does not control family geometrically, but it holds its identity data.
2. Draw the pipe run section or pipe system.
3. Expand the project tree for the no hub fitting as seen in the *Image 1* below.

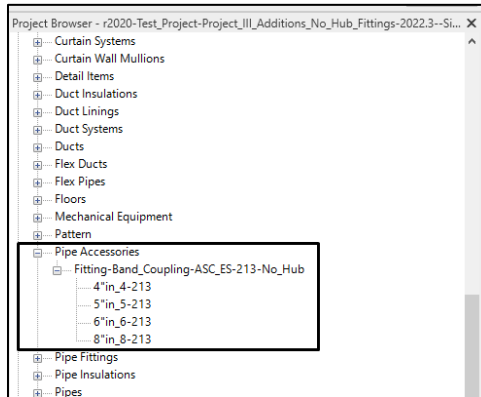


Image 1.

4. Choose the desired size of the Band Coupling and drag it onto the pipe.
5. When the fitting will be in at the center of the pipe, the centerline of the pipe will appear. The example is shown in *Image 2*.

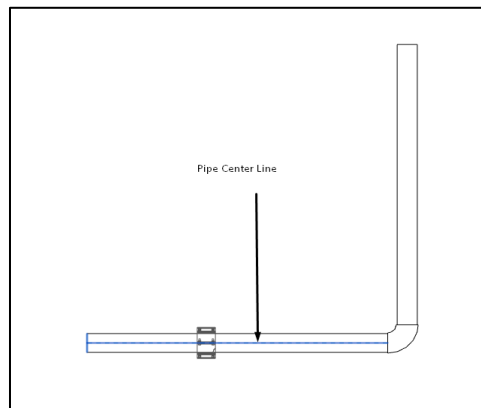


Image 2.

6. Align the fitting to the center of the line by using *Align Command* or using shortcut on your keyboard *A + L*. When *Align Command* is active, selected the center of the pipe followed by the center of the Band Coupling. Lock the constraint by pressing on the lock indicator. Steps of aligning and constraining the fitting on the center of the pipe shown in the *Image 3a - 3c*.

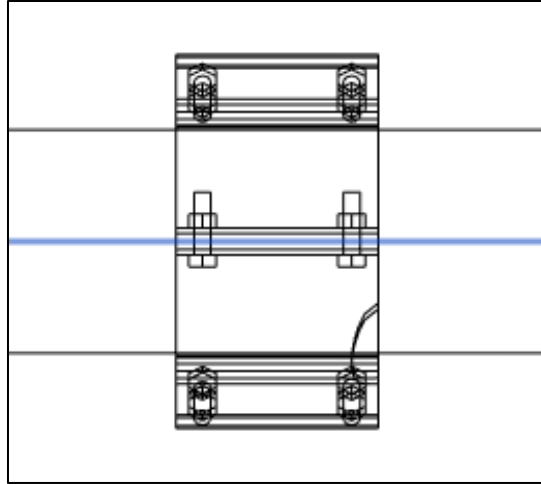


Image 3a

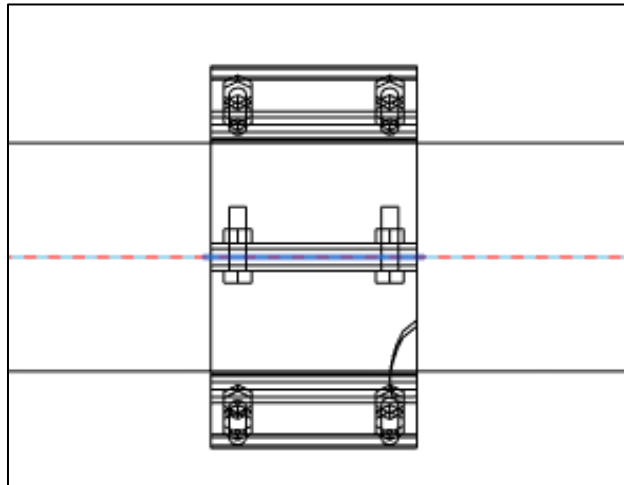


Image 3b

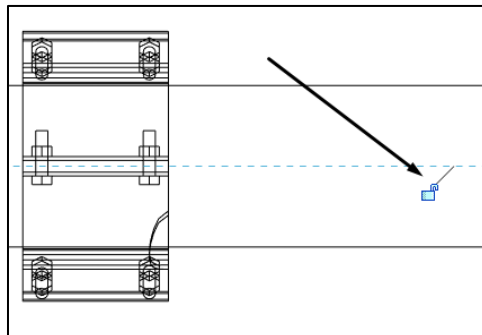


Image 3c

7. Adjust Band Coupling position on the pipe by aligning to the edge of the pipe.

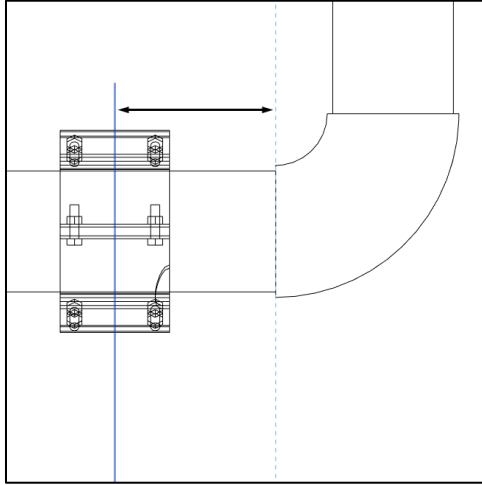


Image 4

8. To comfortably restrain pipe fitting such as elbows or wyes with the pipe, Band Coupling has a notch that matches the pipe's diameter and aligns with the fitting. It allows Band Coupling to slide further on the pipe fitting this way providing safer and stronger restraint. To adjust Band Coupling to match the notch and pipe position, as seen in the *Image 5*, can be done by using the *Rotation* parameter added to the Revit family. The location of the *Rotation* parameter shown in *Image 6*. The *Rotation* parameter will adjust Band Coupling position by desired number of degrees by rotating it about the x-axis.

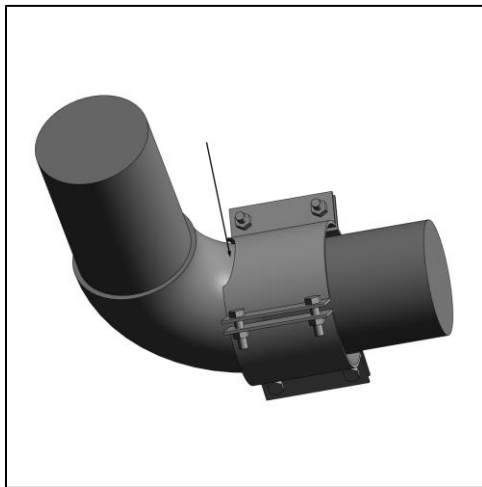


Image 5.

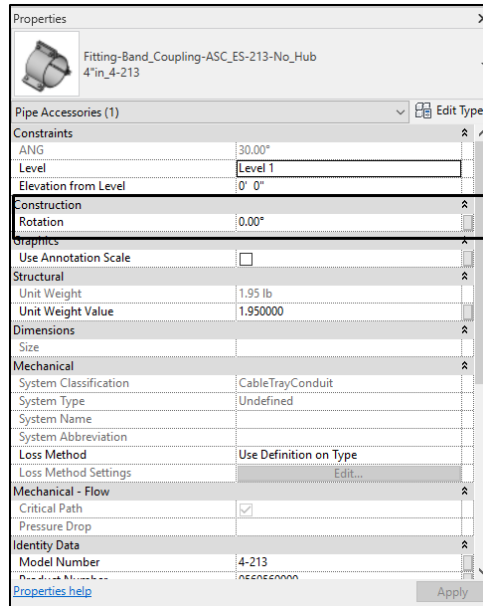


Image 6.

To rotate the Band Coupling add desired degrees to the Revit parameter, press enter or press left mouse key anywhere in the open workspace.

9. To place Band Coupling on the vertical pipe as it is shown in the *Image 7* below, drag desired size fitting to the working space near by the pipe.

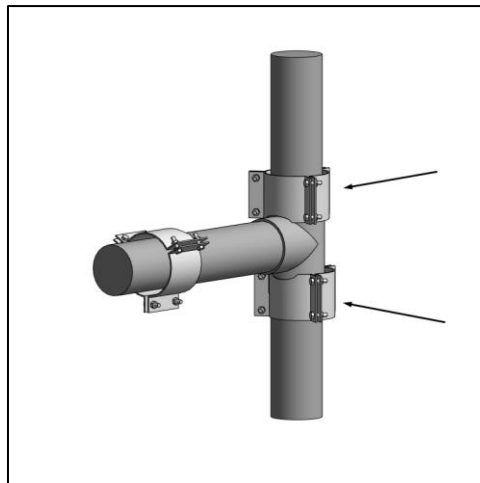


Image 7.

Rotate fitting by desired degrees using *Rotation* command or shortcut *R + O*. To rotate, select desired Band Coupling and activate *Rotate command*. Rotate Band Coupling by dragging datum line or by typing desired number of degrees as shown in the *Image 8*.

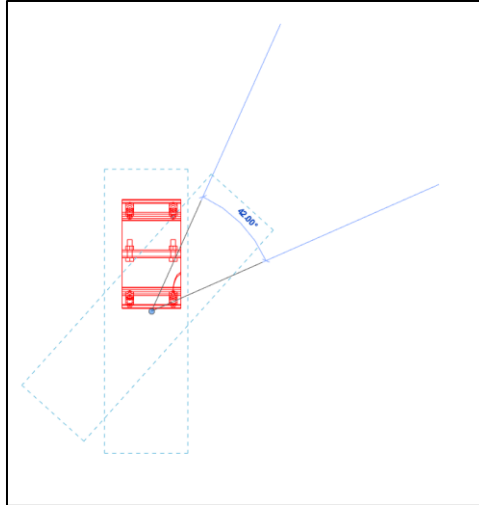


Image 8

10. Repeat steps 5 – 8 to align Band Coupling to the desired position and constrain it.

General notes:

Scheduling – The fittings family category is set to Pipe Accessories. Thus, schedules can be created under the same category.

Symbolics – The Band Coupling is represented by two parallel to the pipelines. The example is shown in the *Image 9a* and *9b* where Band Coupling symbolic lines are bolded.

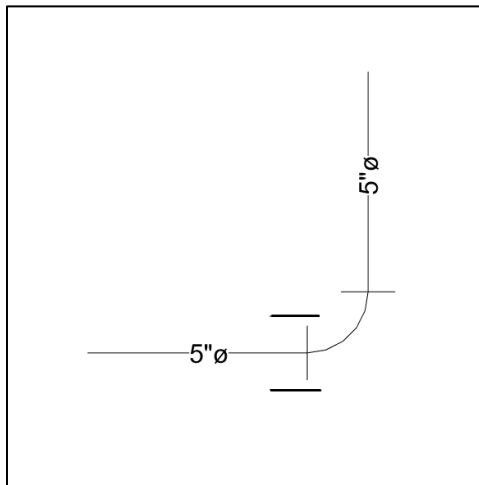


Image 9a

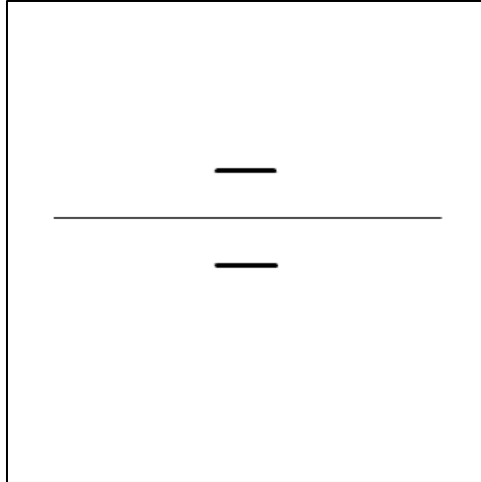


Image 9b

Constraining: to place Band Coupling in desired location also could be done by adding offset dimension corresponding to the location of the pipe joint. An example can be seen in the *Image 10* below.

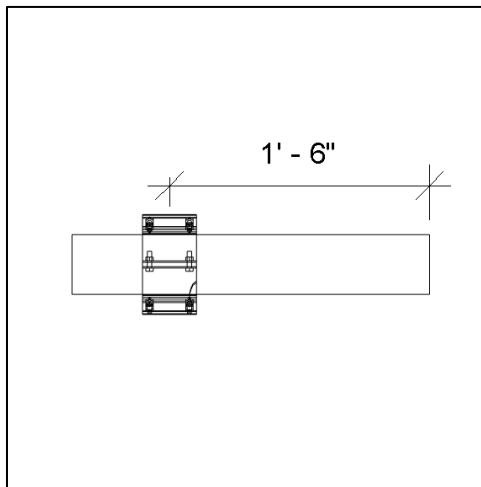


Image 10