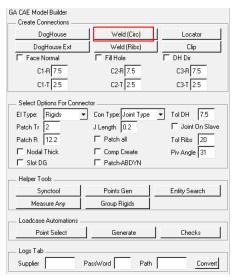
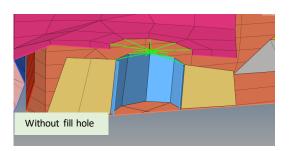
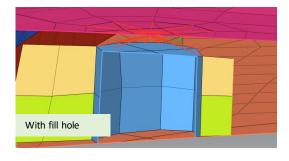
### **Weld Circular**



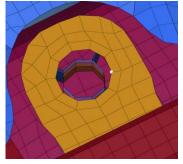
Select fill hole to fill the holes.

Shown on the left is a dyna model with and without Fill hole option.

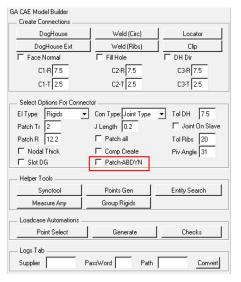




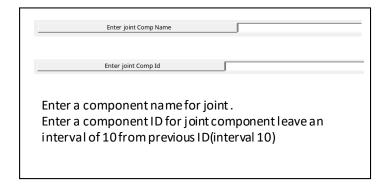


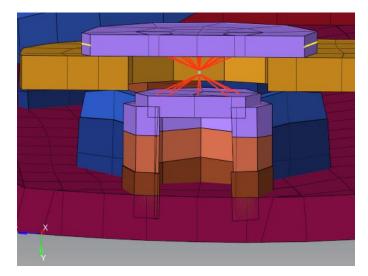


Al ways select one node from the curvature of the top surface of the weld.

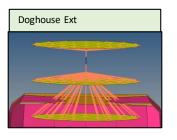


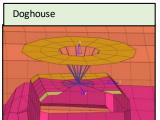
A patch is default for Pamcrash solver profile. If Patches are required for Abaqus and Dyna profiles, Please select Patch-ABDYN tickbox.





### **Doghouse**

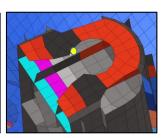


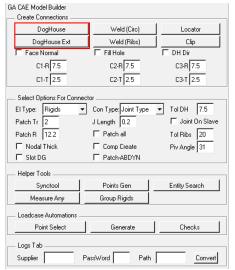




**Selection Mechanism** 

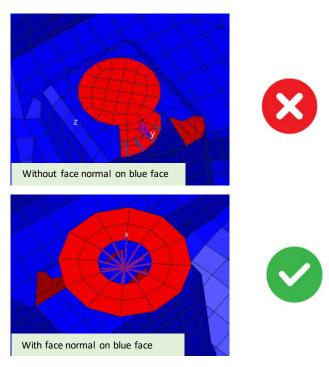
Al ways select one node from the inner curvature at the top surface of the Doghouse.



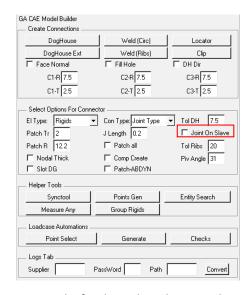


Select fill hole to fill the holes.

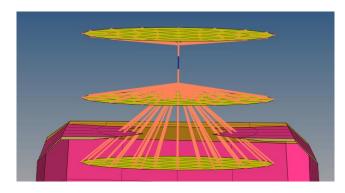
Shown on the left is a dyna model with and without Fill hole option.



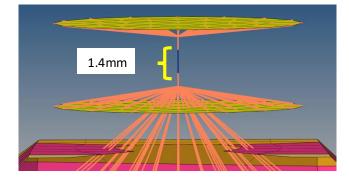
The patches will be along the normal of The elements for Doghouses. Tick the Face normal check box to take control Of the direction.



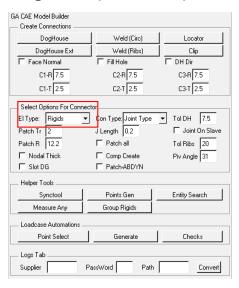
Type in the final joint length required to override the default values.

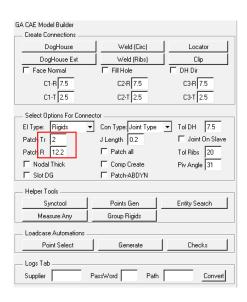


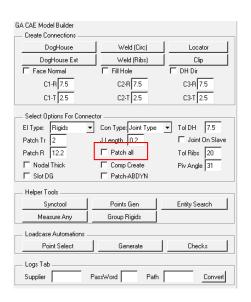
Select joint on slave to create special type of rigid connection. An extended slave branch that connects with joint.

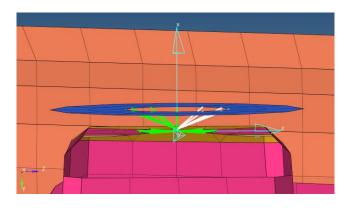


## **Doghouse (Continued)**

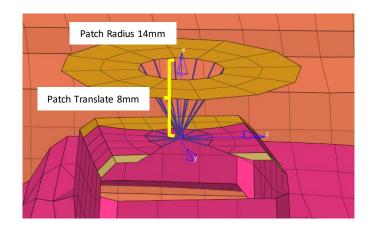




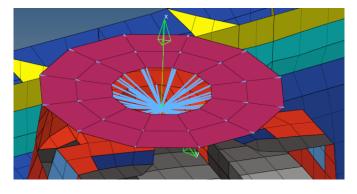




Change El Types from rigids to beams to change type of connection. Default is rigids for all solvers.



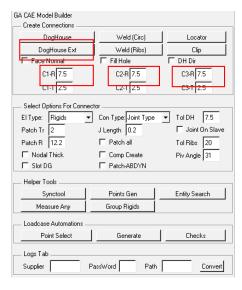
Input the Patch radius and Patch translate values for defining the patch translation values and Patch radius values.

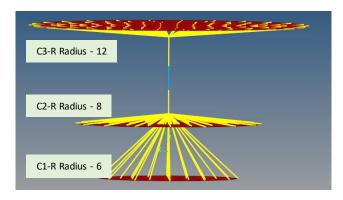


Tick patch all to connect all nodes of the patch to rigid body.

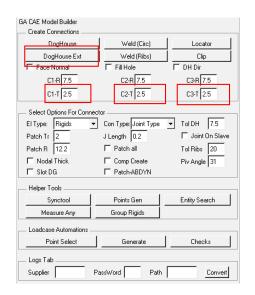
By default, only the inner edge nodes of the patch are connected to rigid body.

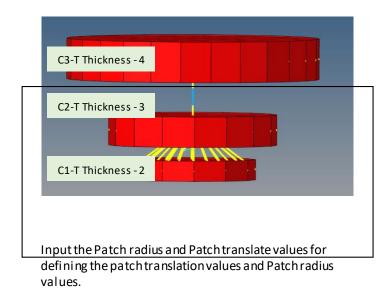
# **Doghouse (Continued)**

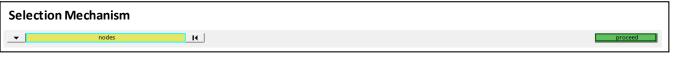




Option to specify Dia and Thickness for the patch. For Pamcrash nodal thickness is defined. For other solvers-at the moment 1mm constant thickness



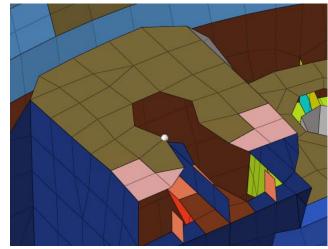




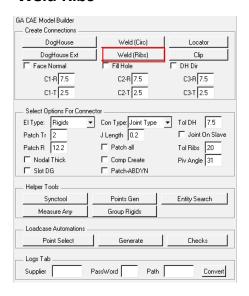
Enter joint Comp Name

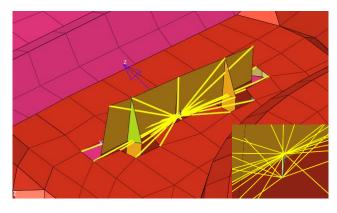
Enter joint Comp Id

Enter a component name for joint.
Enter a component ID for joint component leave an interval of 10 from previous ID(interval 10)

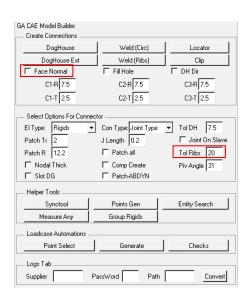


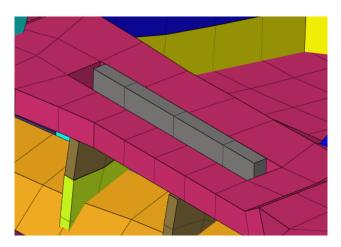
### **Weld Ribs**





Select Weld ribs to create weld rib modelling.



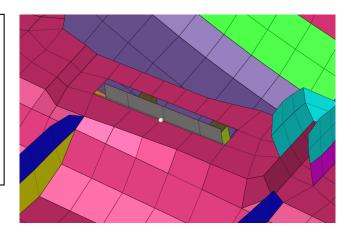


Use Face normal and Tolerance input boxes to control the direction and distance of nodes that needs to be added to the rigids or beams group.

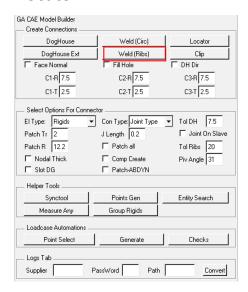


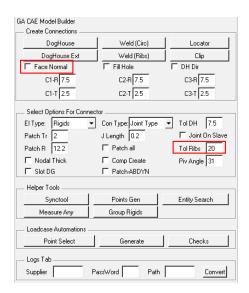
Enter joint Comp Id

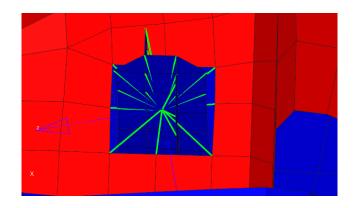
Enter a component name for joint.
Enter a component ID for joint component leave an interval of 10 from previous ID (interval 10)



### Locator

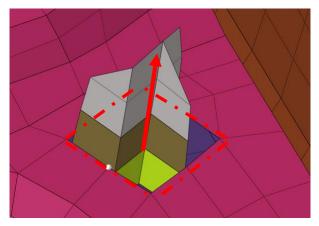


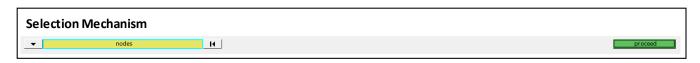




Select locator create locator connections. Tick the face normal if the normal of element of node selected is positive (Red).

Use Face normal and Tolerance input boxes to control the direction and distance of nodes that needs to be added to the rigids or beams group.





Enter joint Comp Id

Enter a component name for joint.
Enter a component ID for joint component leave an interval of 10 from previous ID(interval 10)

