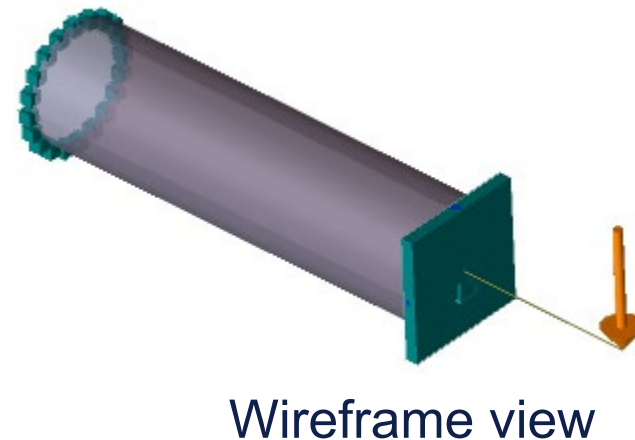
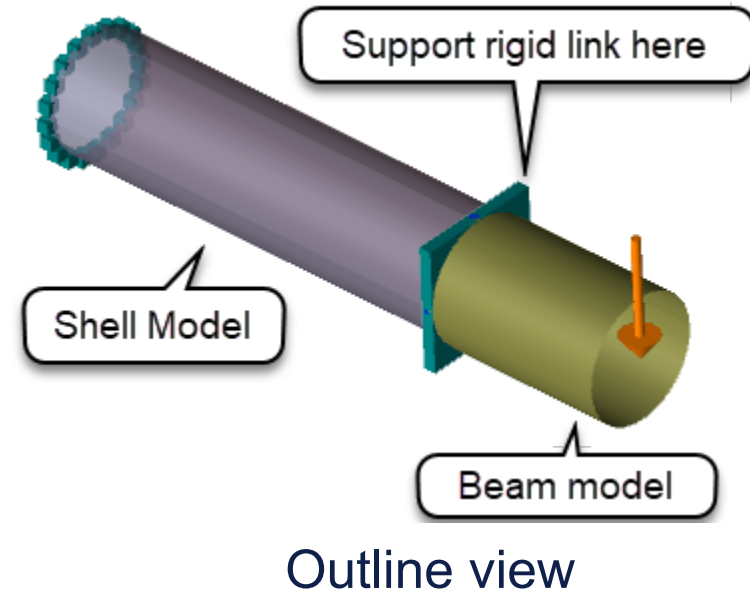


# Sesam example: Couple Beam with Shell Model Using Support Rigid Link

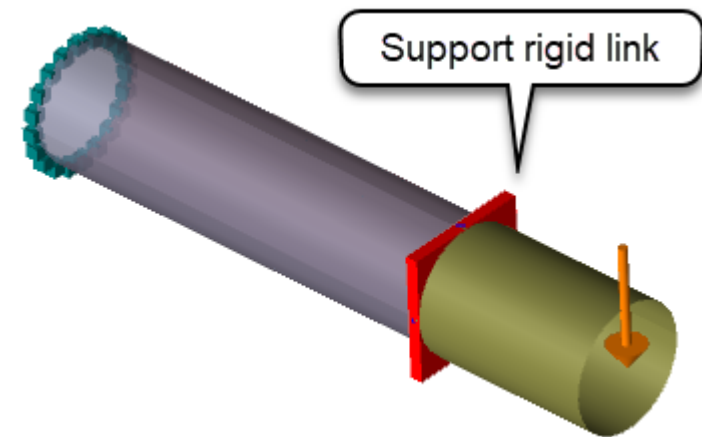
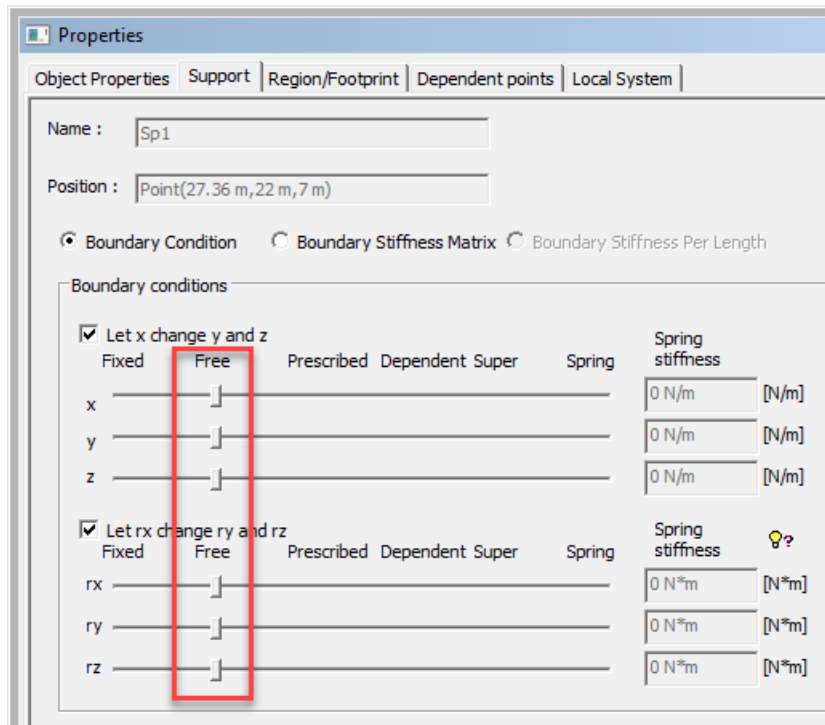
# Model created in GeniE

- Modelling in GeniE
  - a beam (pipe) has been partly modelled using shell elements and partly using a beam element
  - The coupling between the shell elements and the beam element is modelled using the support rigid link. This involves linear coupling of the shell element nodes to a mid-node.



# Model created in GeniE

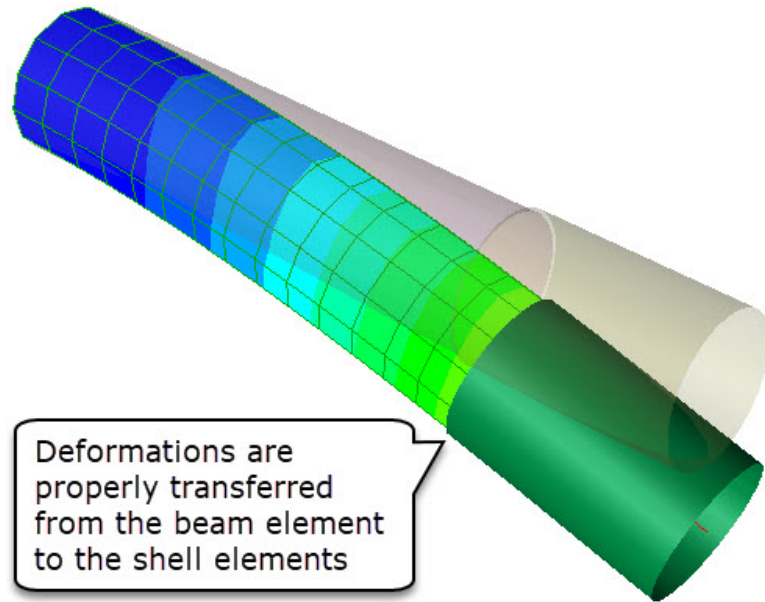
- Property of the support rigid link
  - boundary condition of the mid-node of the rigid support link is all-free as it is not going to be fixed



Outline view

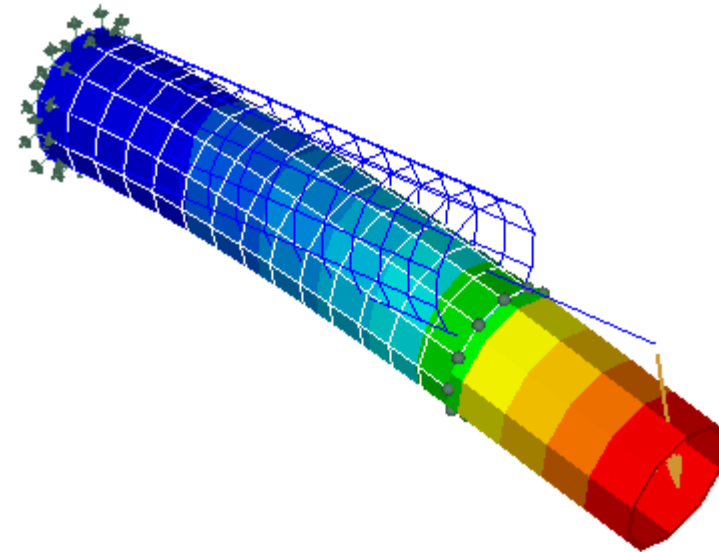
# Verification by deformation check

- Verifying this coupling by checking deformation



Check in GeniE

- Undeformed shape by concept model



Check in Xtract

- Undeformed shape by wireframe