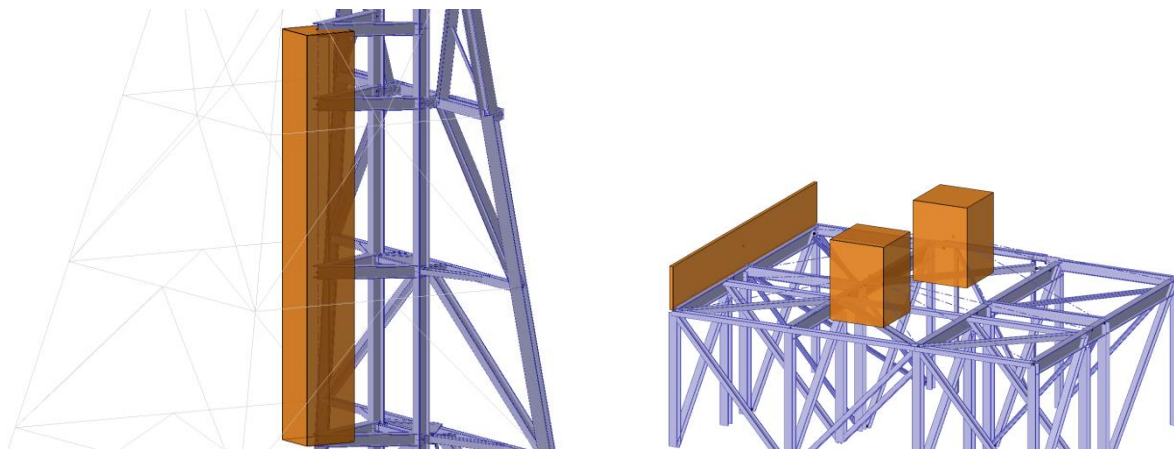
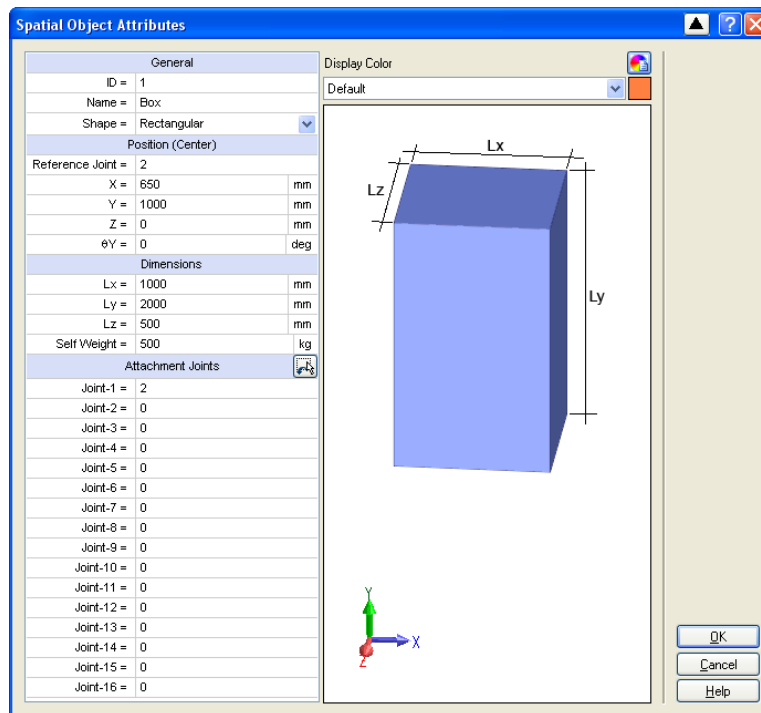
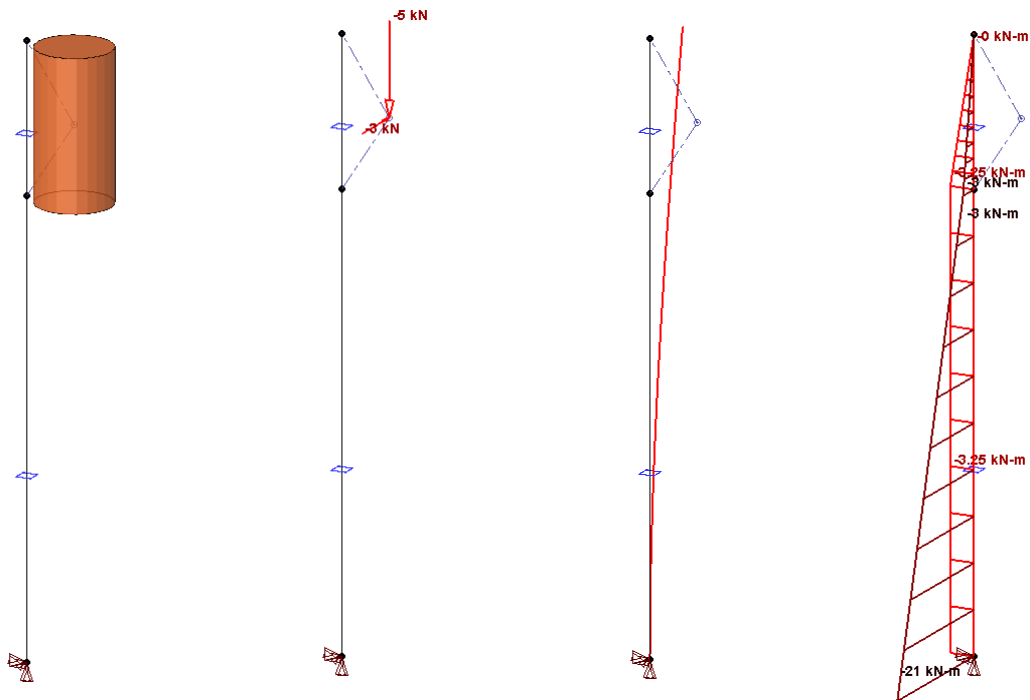


Spatial objects are used to model non structural secondary elements attached to the structure. These elements add no stiffness to the existing model. Loads applied to spatial objects are transferred to the structure through one or more attach joints. The loads are transferred using a "rigid plate" approach.



Examples of spatial objects attached to structures

Concentrated, pressure and wind loads may be applied to spatial objects. The figures below shows a spatial object loaded vertically and horizontally attached to a cantilever column. Also, it shows the deformations and biaxial moments induced by the loads transferred by the spatial object.



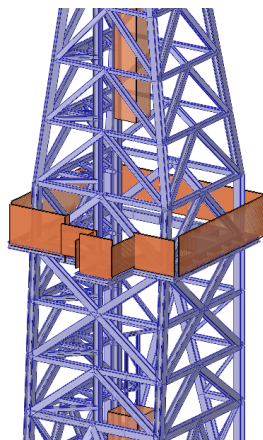
Spatial Object

Loads

Deformations

Biaxial moments

The import of StruCAD\*3D files supports AREA, SLOAD and SWGHT cards which are imported as spatial objects and concentrated spatial loads (SLOAD and SWGHT) and spatial wind loads (AREA).



Structure imported from StruCAD

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