



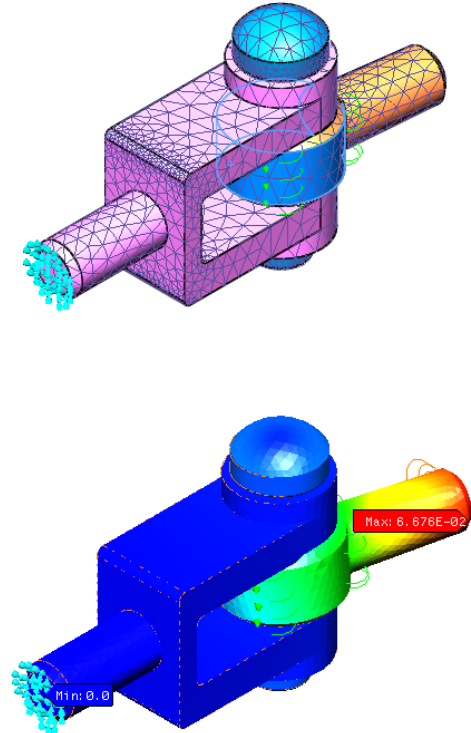
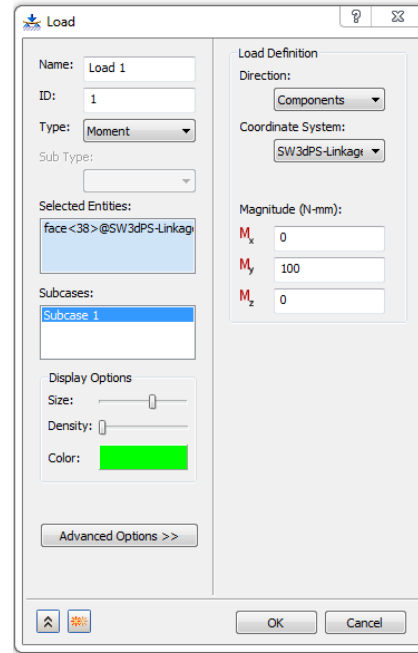
Autodesk® Nastran® In-CAD

What's New



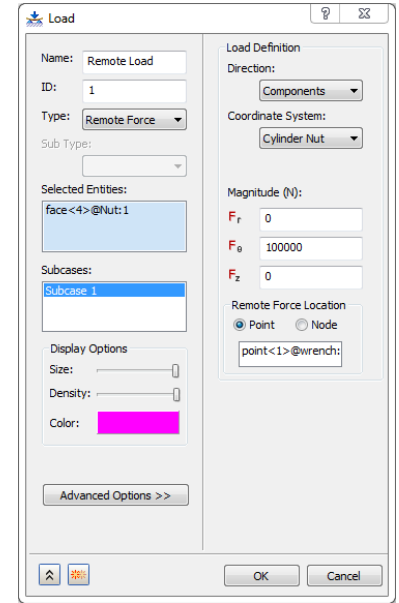
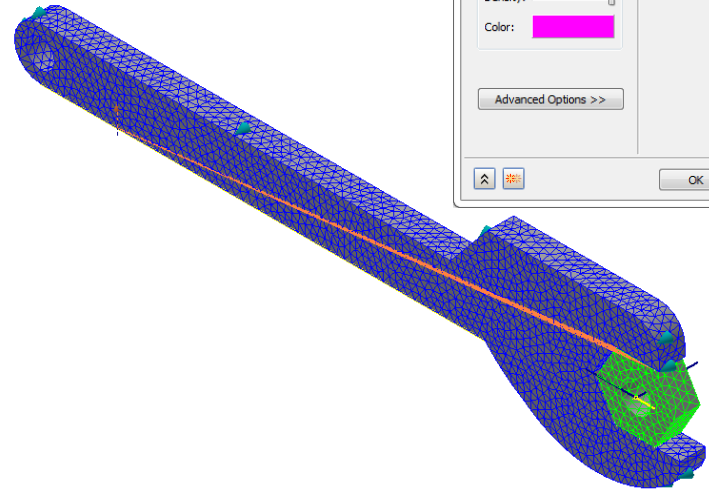
Moment Loads on Solid Element Faces

- Solid elements lack rotational degrees of freedom
- Applying rotations directly would have no effect
- Automatically calculate equivalent load to be applied



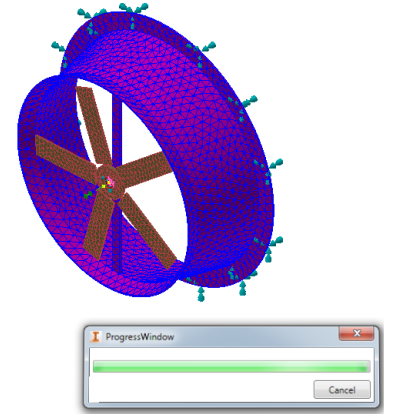
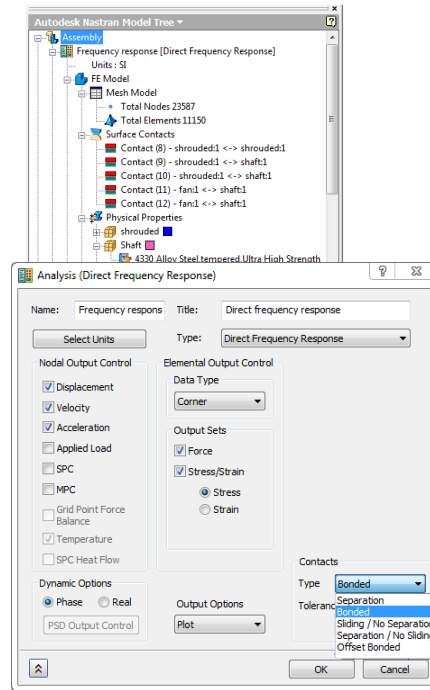
Remote Force Load

- Load can be applied anywhere in the model
- Not restricted to geometric entities
- Force is calculated and applied directly



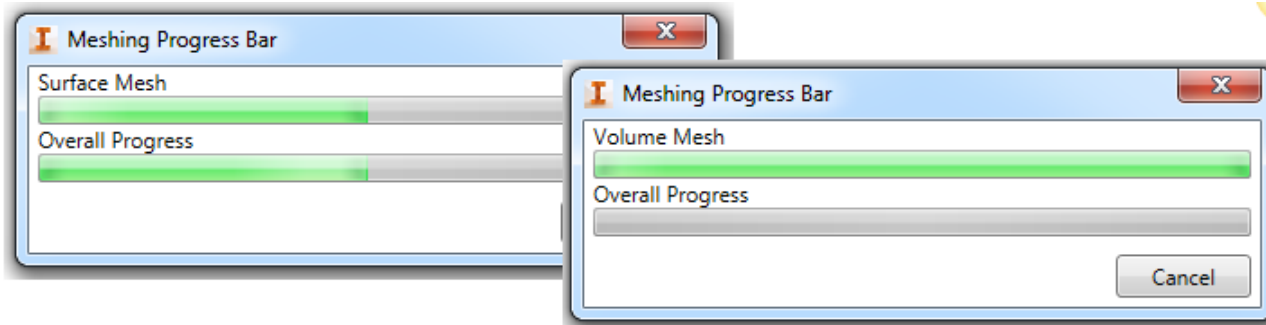
Automatic Contact

- Now supported for geometry
- Tolerance stored under Analysis



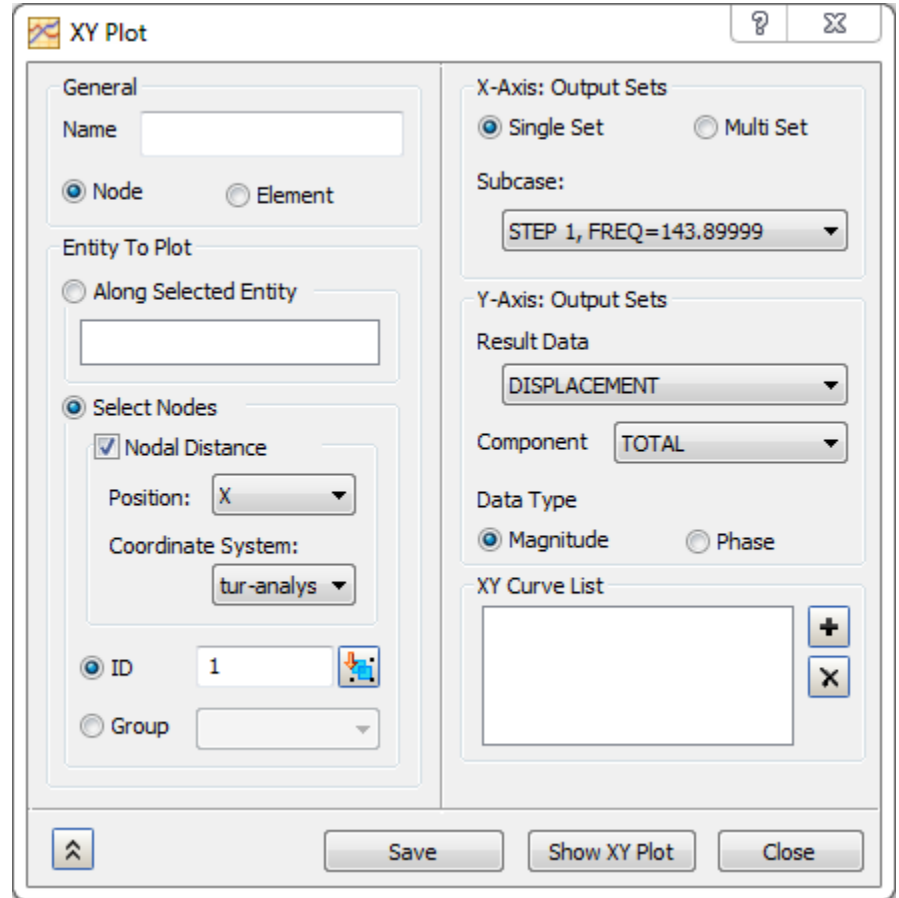
Improved Meshing Progress Bar

- Tracks how far along in the mesh progress
- Mesh outer surface first
- Grow solid elements from there



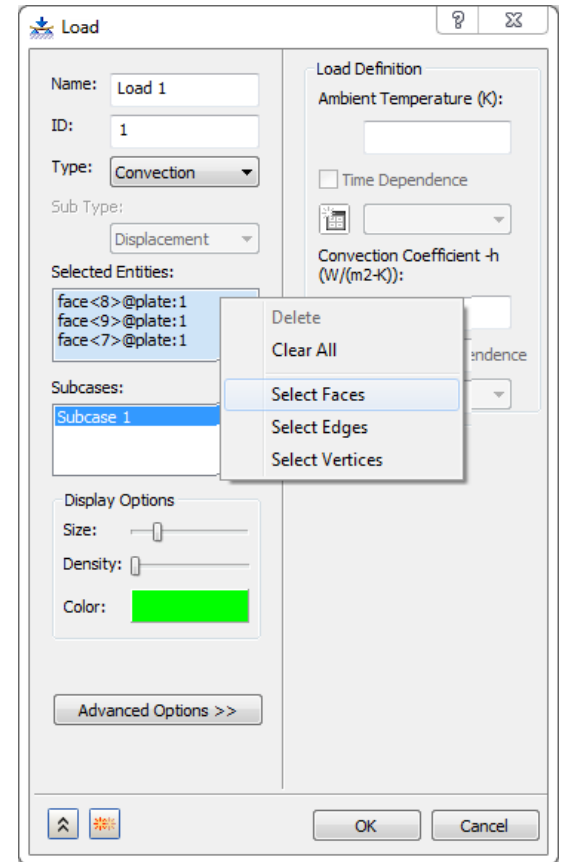
XY Plot Improvements

- Added ability to plot vs. node location
- Results data is now filtered based on node/element selection



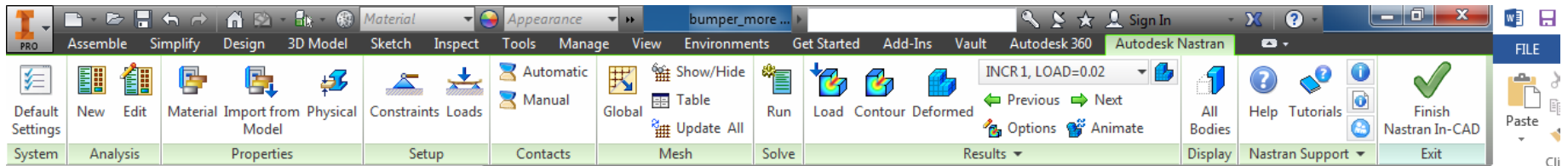
Selection Filter for Geometry

- Can filter between faces, edges, and vertices
- Right-click in dialog for Selected Entities



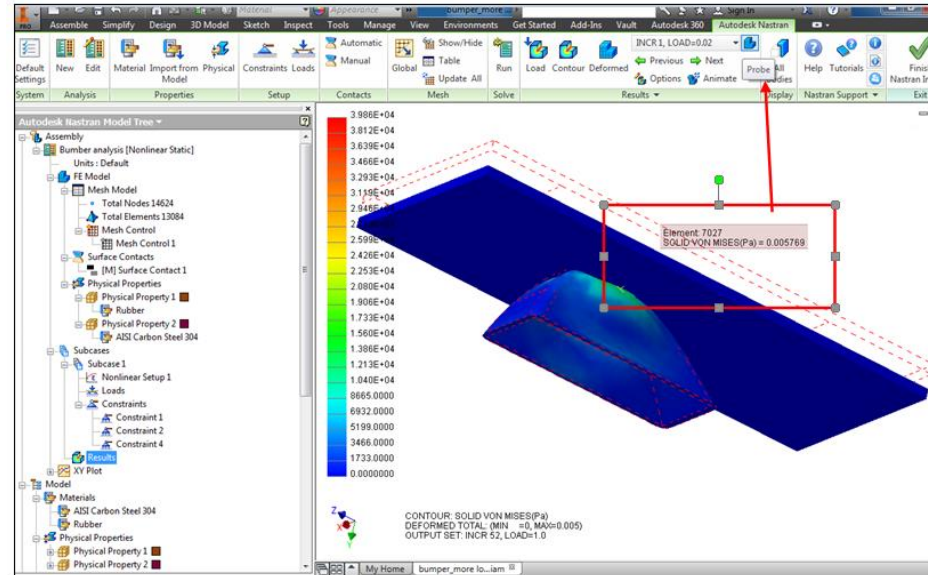
Environment Support for In-CAD

- SP1 moved from add-in to Environment
- Improve performance



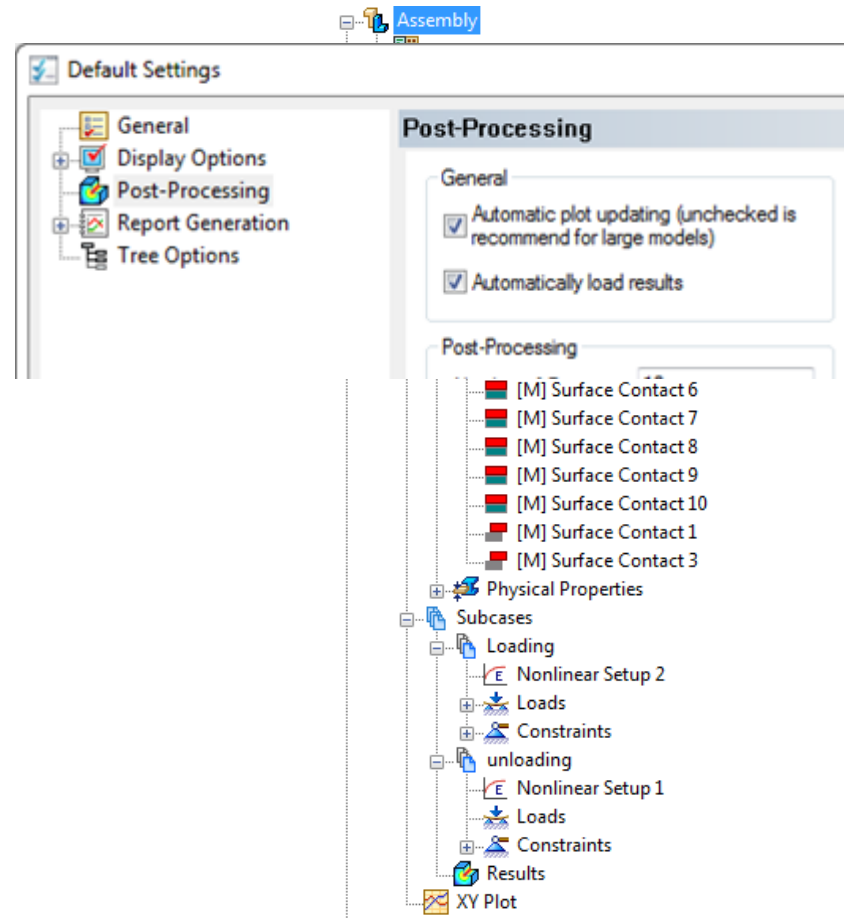
Results Probing

- Probe functionality added to ribbon
- Works when results are loaded
- Can interrogate results in the model



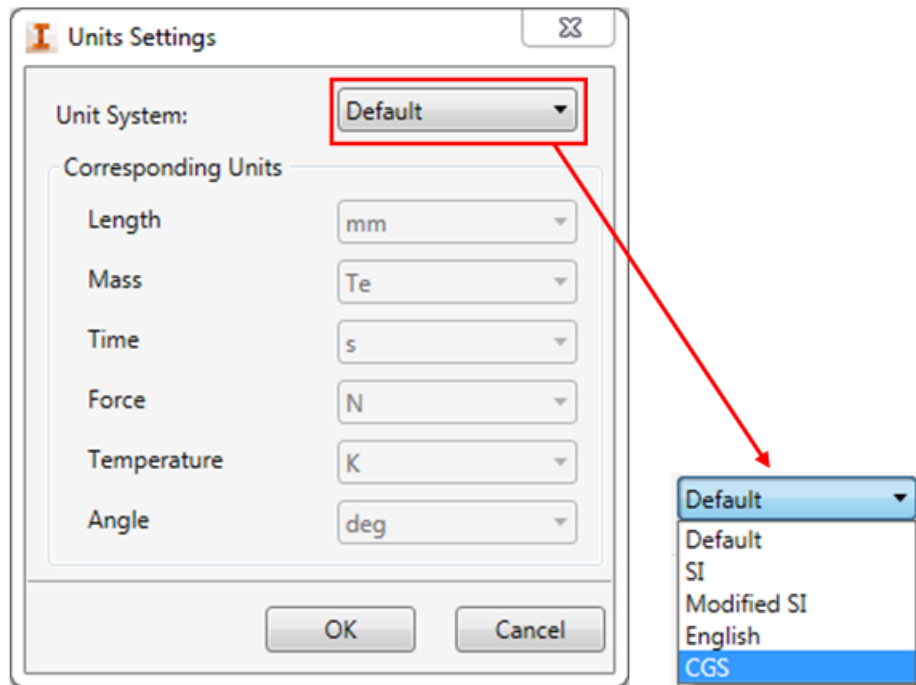
Results Loading

- By default results are not loaded automatically when entering/exiting the environment
- New option to allow for automatic results loading



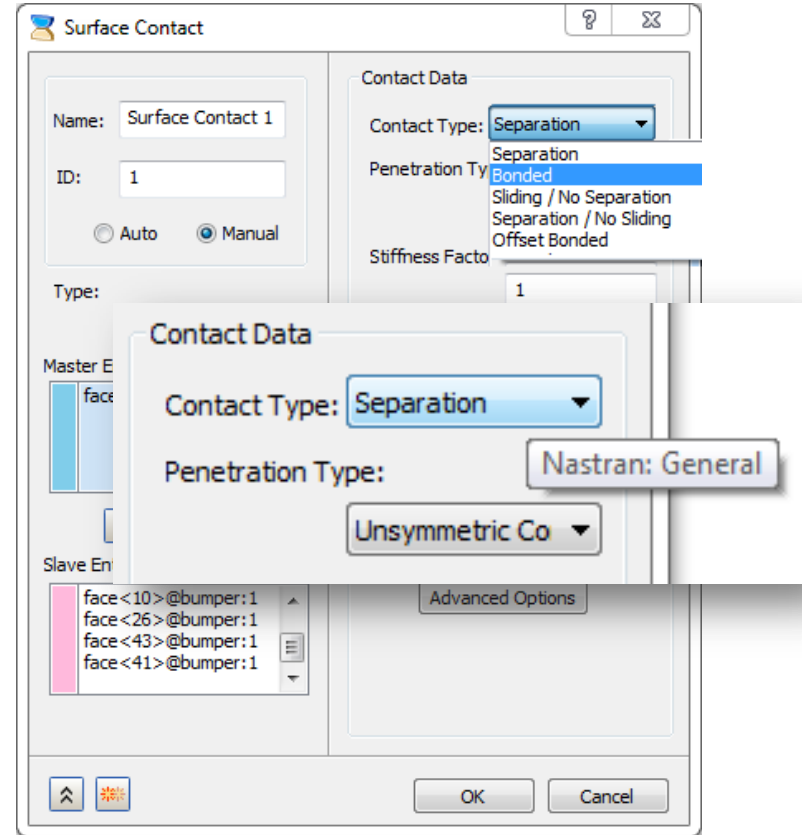
Units

- Double clicking Units in tree will launch Units dialog
- Default units will inherit unit settings from CAD system
- Changing units setting will override



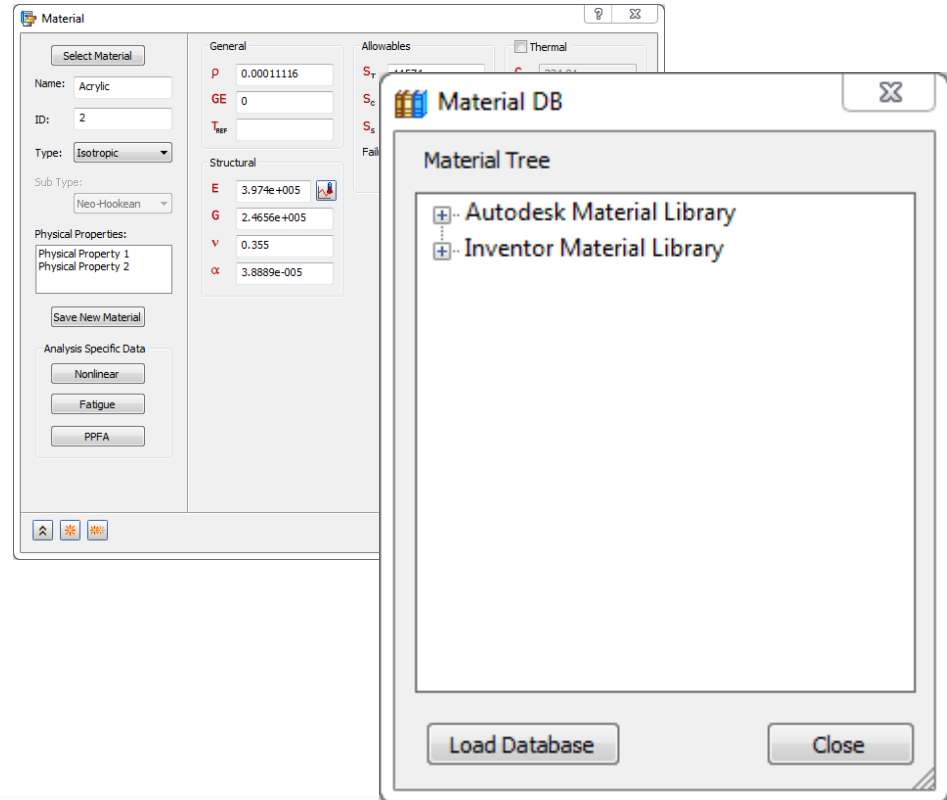
Updated Contact Terminology

- Updated contact terminology to be more consistent with Inventor
- Hover text will show Nastran terminology



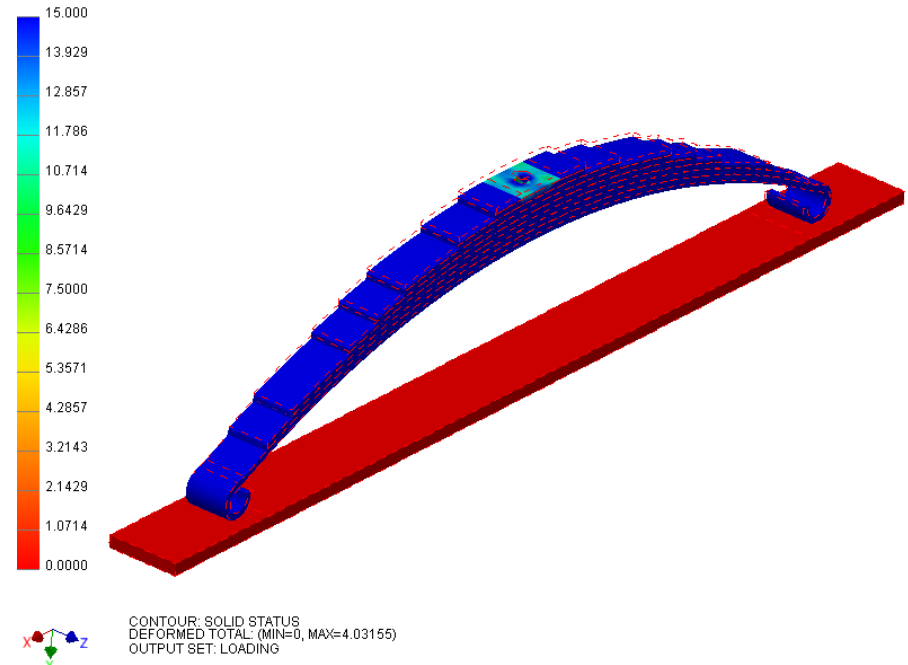
Easy access material library

- Material databases are automatically loaded
- Can use existing libraries or import your own



Factor of Safety Output

- New default template for factor of safety
- Scale is automatically reversed to show lowest factor of safety in red





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