

# Feature Requests and Bug Reports for Siemens NX

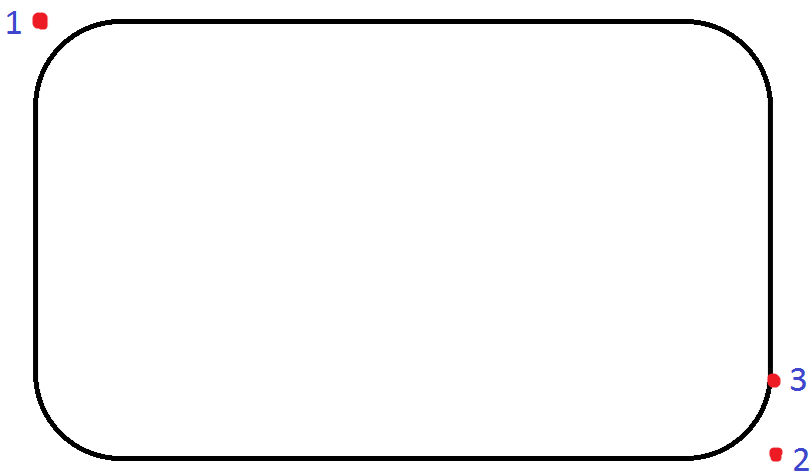
## Contents

Feature Requests .....	1
New Sketch Tool: Blended Rectangle .....	1
Dockable Layers Manager .....	1
Threaded Hole Shortcut .....	1
Projected Distance Shortcut .....	2
Counterbored Hole Shortcut .....	2
Bug Reports .....	3
Redundancy in Constraint Solver .....	3

## Feature Requests

### New Sketch Tool: Blended Rectangle

Create a new Sketch Tool that allows the user to create a blended rectangle in 3 click; defining the Length, With, and Radius:



### Dockable Layers Manager

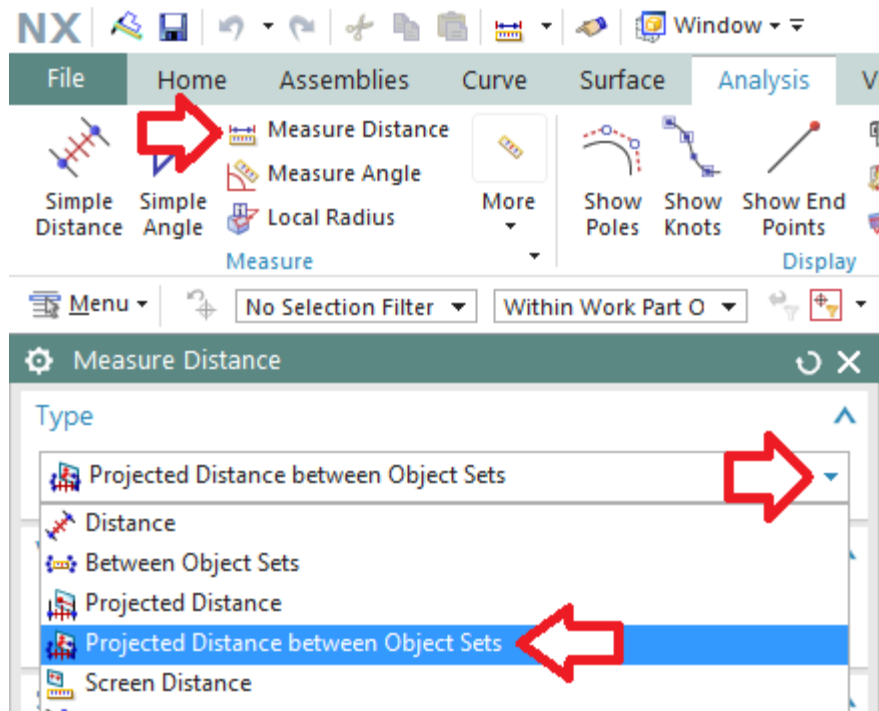
Allow users to turn layer select-ability and visibility on and off with a single click, and without needing to close any open tasks.

### Threaded Hole Shortcut

Create a separate shortcut to create a threaded hole.

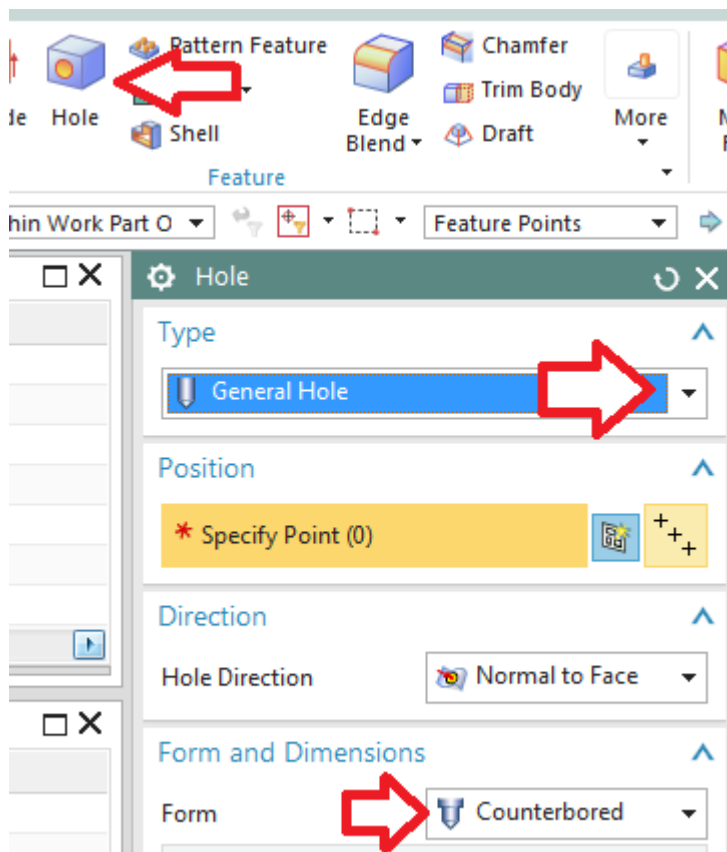
## Projected Distance Shortcut

Create a shortcut to measure projected distance.



## Counterbored Hole Shortcut

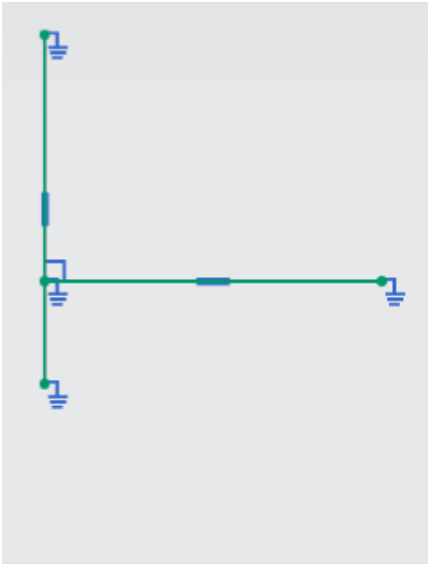
Create a separate shortcut to create a counter bored hole.



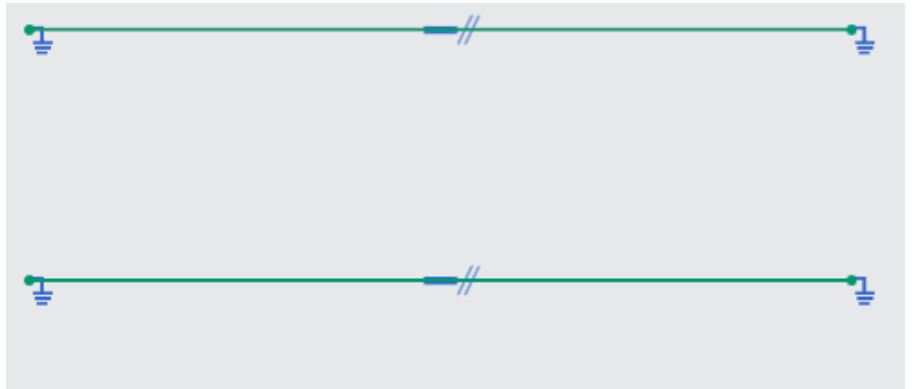
## Bug Reports

### Redundancy in Constraint Solver

The constraint solver currently treats perpendicular and parallel constraints as “soft” constraints, meaning that they are ignored if there are enough “hard” constraints to solve the sketch. This can lead to confusion when correcting over constrained sketches. Proposed solution: treat all constraints as “hard” constraints. The following examples should be “Over constrained”.



Sketch is fully constrained



Sketch is fully constrained