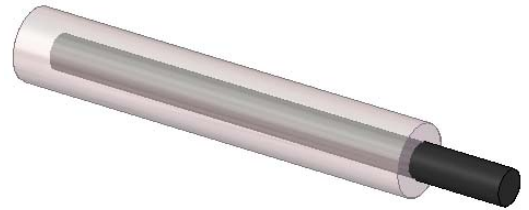


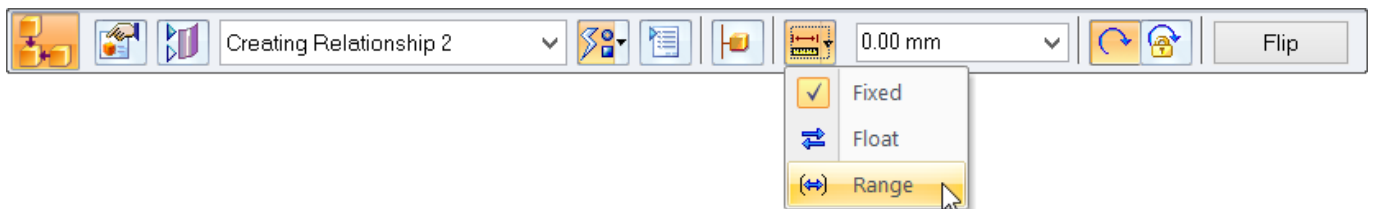
Solid Edge Using a Limit on a Mate Relationship

This Tech Tip will look at how to limit the movement of a part/sub assembly within an assembly.

There are times when you want to constrain a part within an assembly so that it can only move within a range and no more. An example of this would be the rod of a hydraulic cylinder, which has a range of movement.



Typically, you would apply a locked axial alignment from the rod to the cylinder. The next step is to apply a mate from the base of the cylinder to the end of the rod. Before selecting any of the faces, change the Assembly Type from Fixed to Range.



The options will then change to allow you to enter a minimum and maximum range of movement for the part.



Now, when you use the Drag command, the rod will stop at the proscribed limit of movement.

