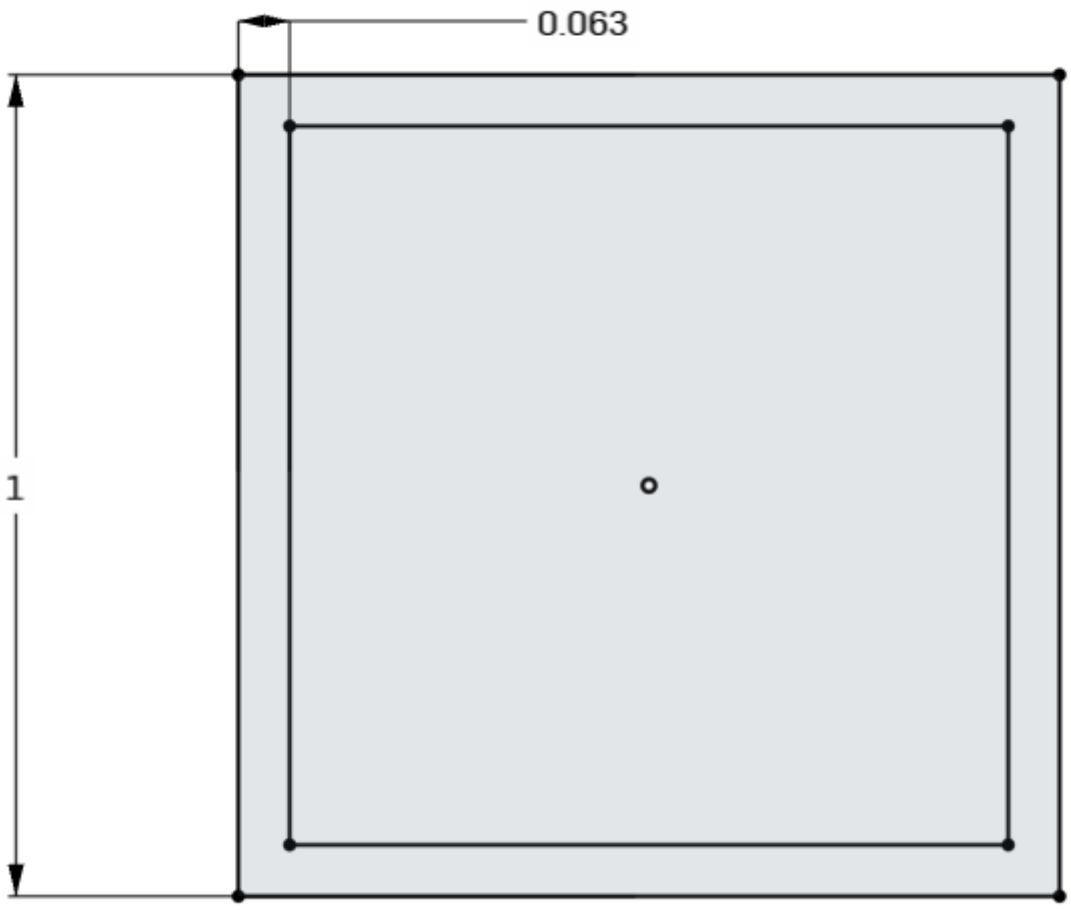
Making Configurable Parts

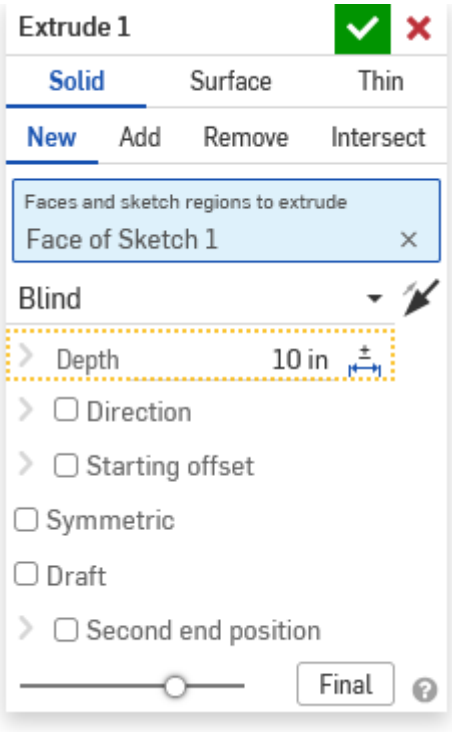
Want to have multiple different lengths of the same extrusion? Want to be able to change bearing sizes? Shaft lengths? Bracket thickness? Don't make multiple copies of the same part, make them configurable instead!

Example: STORM Extrusion

1. The configurable property we care about here is **length**, so first, make the sketch for the extrusion as usual.

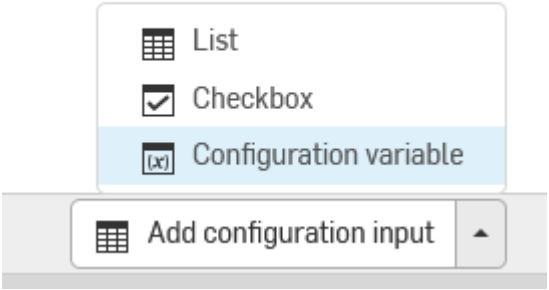


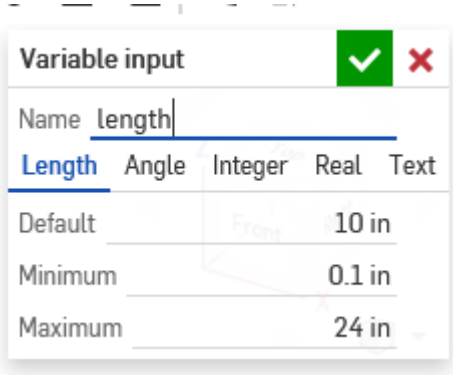
2. Then, extrude the part to whatever you want the **default length** to be. In this case, it is 10 inches, a reasonable default for STORM's 18 inch size limit.

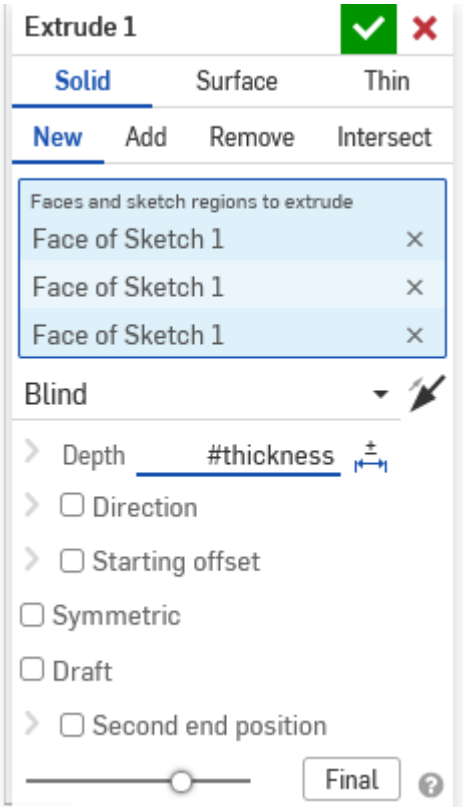


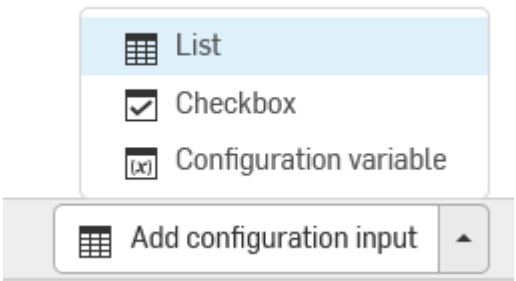
3. Next, open the "**configuration panel**".






Variable input
Name length
Length
Angle
Integer
Real
Text
Default
10 in
Minimum
0.1 in
Maximum
24 in


Extrude 1
Solid
Surface
Thin
New
Add
Remove
Intersect
Faces and sketch regions to extrude
Face of Sketch 1
Face of Sketch 1
Face of Sketch 1
Blind
Depth
#thickness
Direction
Starting offset
Symmetric
Draft
Second end position
Final


List
Checkbox
Configuration variable
Add configuration input

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