

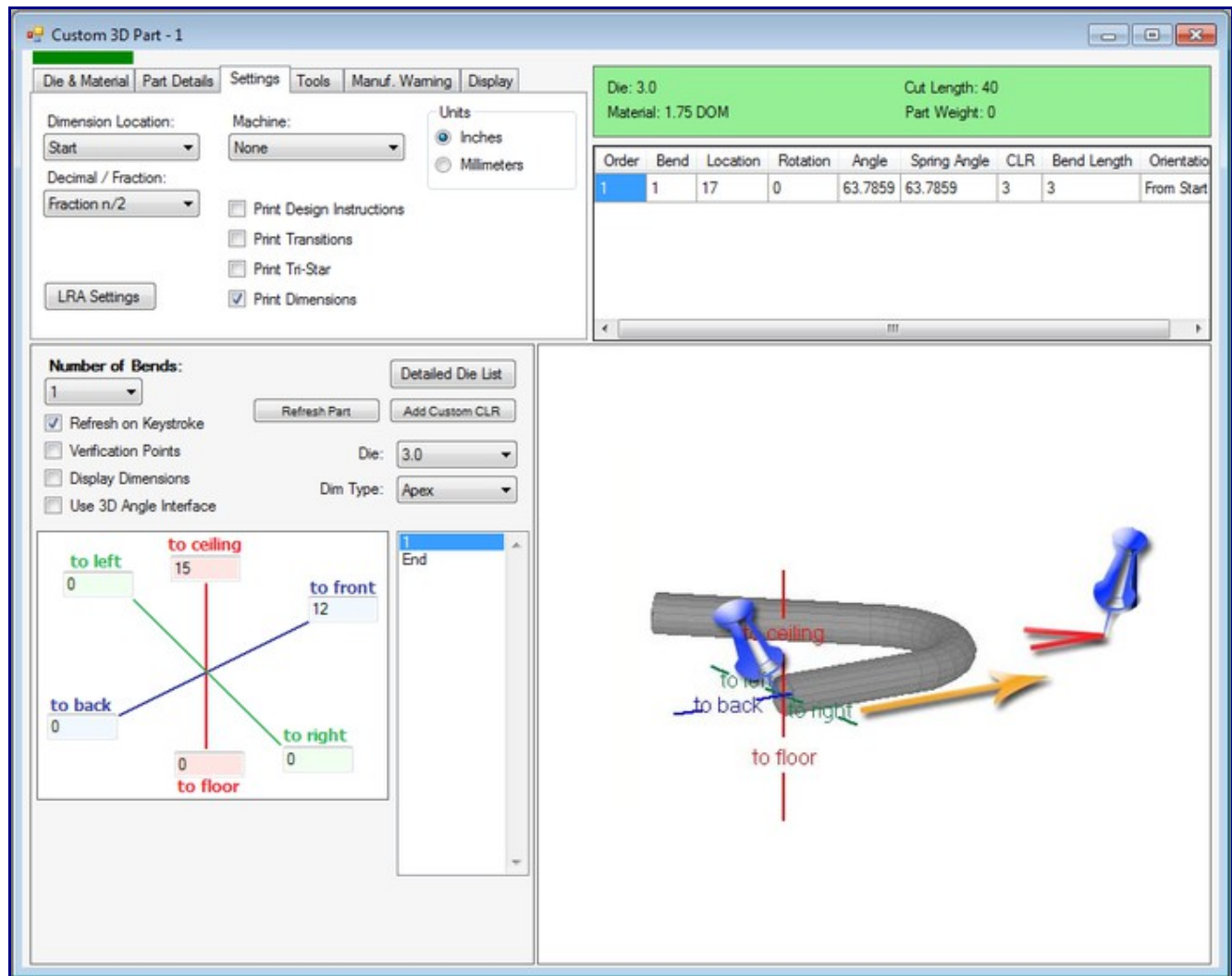
# Example 3 (Over 90 Degree Bends)

This thread will show some example of making under 90 degree bends. If you haven't gone through the general rules of 3D, then do so: <http://www.2020softwaresolutions.com...hread.php?t=48>

ex 3.1 Lets start by making an closed "L" bracket.

- 1) Select the "1" from the "bend" selection list.
- 2) Enter a value of "12" to the front.

**NOTE: The tri-star is located at the location where you are currently at. You are entering in the direction(s) and distance(s) from this point to your first bend.**



- 3) Select the "End" from the "bend" selection list.

4) Enter a value of "10" to the **left**.

5) & Enter a value of "10" to the **back**.

**NOTE: Again the tri-star is your current location and you are entering in the directions(s) and distance(s) from this point.**

The screenshot shows a software window titled "Custom 3D Part - 1". The interface includes several panels:

- Die & Material:** Die: 3.0, Material: 1.75 DOM, Cut Length: 37, Part Weight: 0.
- Settings:** Dimension Location: Start, Machine: None, Units: Inches (selected), Millimeters (unselected). Print Design Instructions, Print Transitions, Print Tri-Star, and Print Dimensions are all unchecked. LRA Settings is a button.
- Number of Bends:** 1. Refresh on Keystroke is checked. Verification Points, Display Dimensions, and Use 3D Angle Interface are unchecked. Buttons for Detailed Die List, Refresh Part, and Add Custom CLR are present.
- Directional Labels:** A diagram shows a central point with arrows pointing to "to left" (10), "to ceiling" (0), "to front" (0), "to back" (10), "to right" (0), and "to floor" (0).
- Table:** A table with columns: Order, Bend, Location, Rotation, Angle, Spring Angle, CLR, Bend Length, Orientation. Row 1: 1, 1, 18, 0, 58.6827, 58.6827, 3, 3, From Start.
- 3D Model:** A 3D model of a bent pipe with a blue pushpin at the end. A yellow arrow points to the left. A red arrow points to the back. Labels include "to ceiling", "to floor", "to left", "to back", "to front", and "to right".