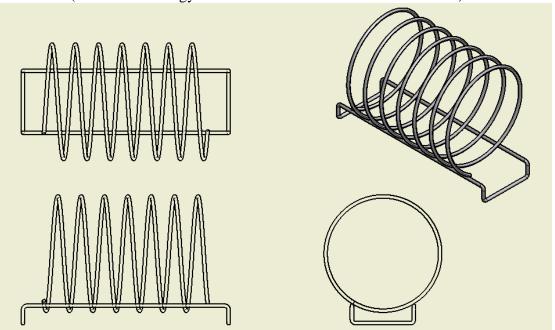
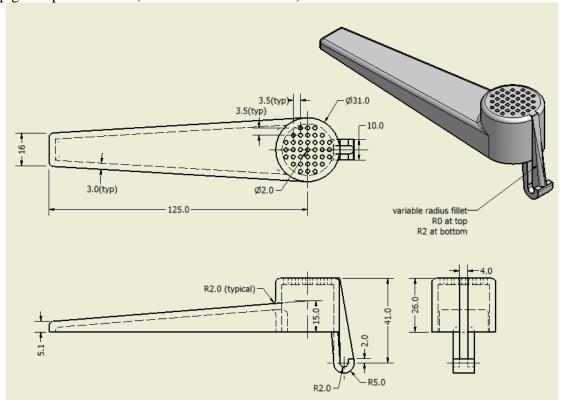
Modeling Assignment 4

Use Inventor to model the following parts using millimeters, and assign materials to parts as specified. Create drawing files for each part as shown with proper scales. Dimensions and centerlines are **optional**.

1. Toast rack (See Build Strategy for dimensions. Material: Stainless Steel)



2. Top garlic press handle (Material: Stainless Steel)



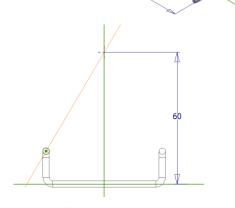
Toaster Rack Build Strategy:

3D sweep feature

- Coil shape is a \$\phi 3\$ circle
- All 3D sweep bend radii R3

Angled work plane

• Work plane defined by axis of 176 mm leg of 3D sweep and the coil axis, 60 mm above default horizontal work plane.



Coil cross section sketch

- Circle to be sketched on the angled work plane
- Circular coil shape tangent to 176 mm leg of 3D sweep



- Coil size parameters:
- Height = 140 mm
- Revolution = 7.01

