

CAD Project- Stethoscope

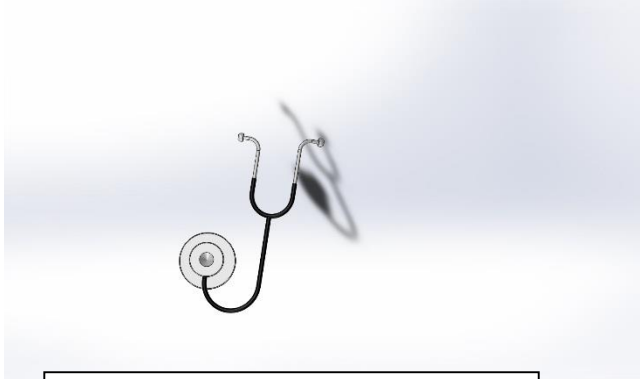


Figure 1.

A back view of the stethoscope showing the most features of this drawing



Figure 2.

A side view of the stethoscope showing the ear pieces in more detail

For my Personal CAD Project, I created a stethoscope. The motivation behind this is my desire to enter the medical field when I finish my education. The most difficult part of this project, surprisingly, was the ear pieces at the top. I chose to angle them more outward than usual to show off the ear buds more. Typically, they would be angled inward more so they can fit in one's ears. I had a lot of difficulty revolving the ear piece in a way that made it look similar to what are on stethoscopes. As I said earlier, I chose this because of my future aspirations. My dream job is to be a surgeon. I picked this one over the hypodermic needle because I felt as though I had a better idea of how to create the stethoscope using my SolidWorks skills. I used a lot of my skills that I learned through the tutorials. After copious trial and error, I was able to put this together. CAD really helps animate drawings and I can see how it can be a useful tool for engineers. This was a very frustrating project, but the final product was worth all the effort.

