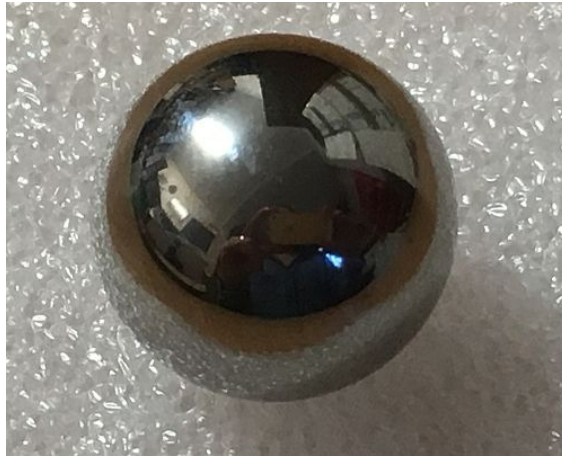


### Front Caster Steel Ball



Push the steel ball into the caster mount. It should move freely.

Now, when you switch the robot on, it should measure out a square, then an octagon, then a square, etc. It will repeat this until turned off.



### **Tuning:**

The angle it turns depends on the separation of the two wheels. If they are too far apart, then it will turn less than  $360^\circ$  so push them closer together. If they are too close, then it will turn more than  $360^\circ$  so pull them apart a little bit. Set the edge of the robot against a line on a piece of paper then switch it on. When it has completed the square, switch it off and check how it lines up against the line.