A coordinate measuring machine has sampled the surface of a hole feature at a particular cross section and has generated the planar pattern of points shown below. Two gages are also shown – the GO gage circle having a diameter of 16 mm and a NOTGO gage having a diameter of 17 mm. Grab the GO gage and move it to see if the entire patter on points can be fit outside the 16 mm circle. Do the same for the NOTGO gage and see if the entire pattern of points can be fit inside the 17 mm circle.

17 mm NOTGO

16 mm GO