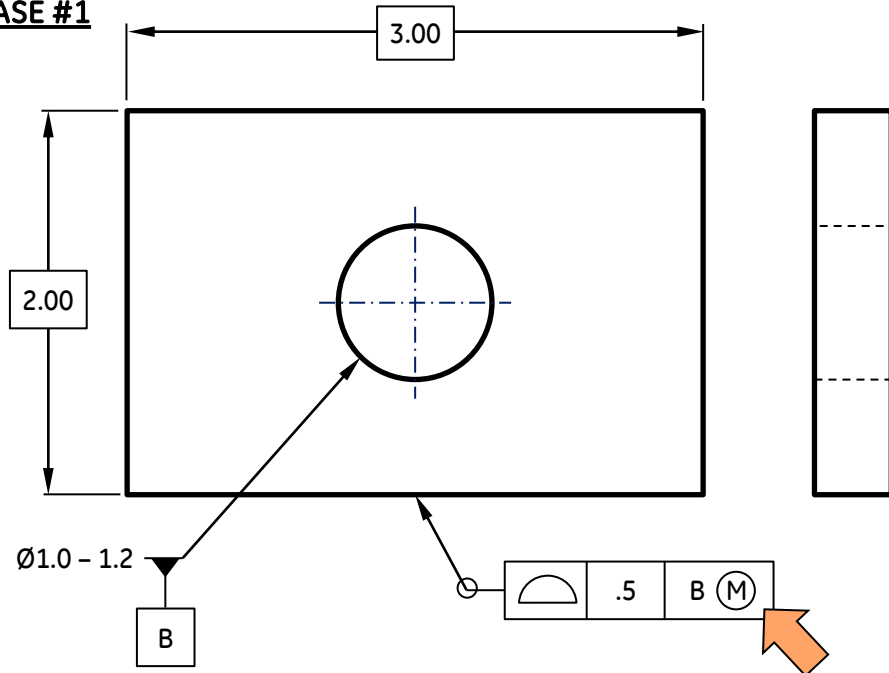
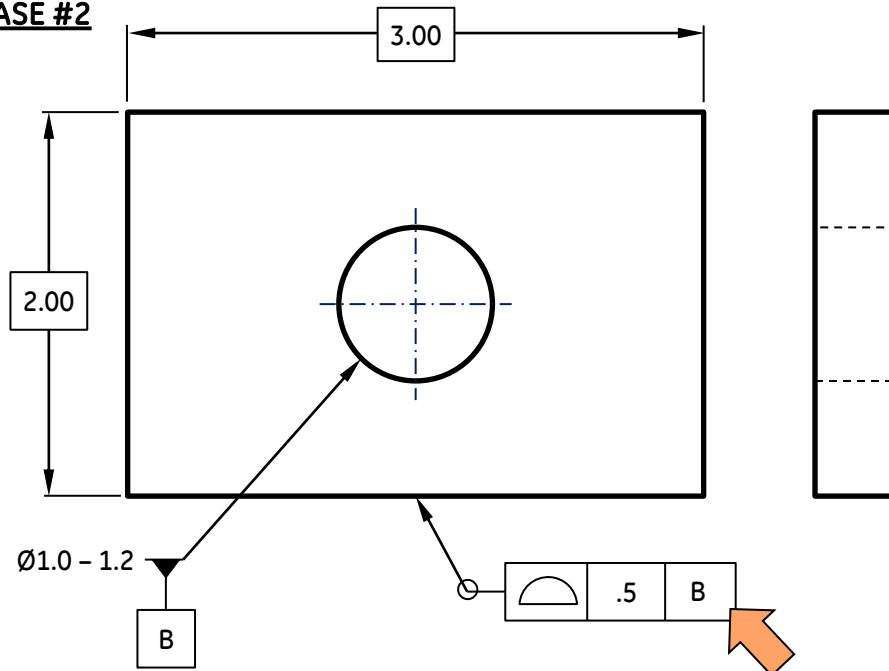


CASE #1

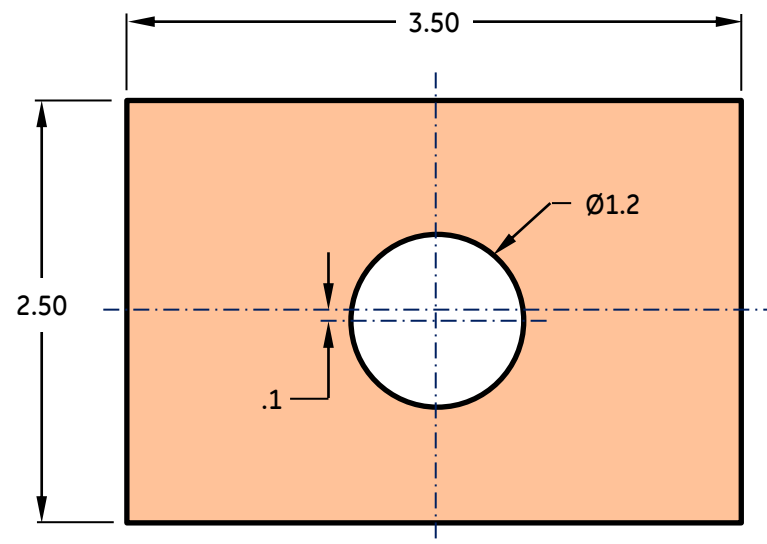


CASE #2



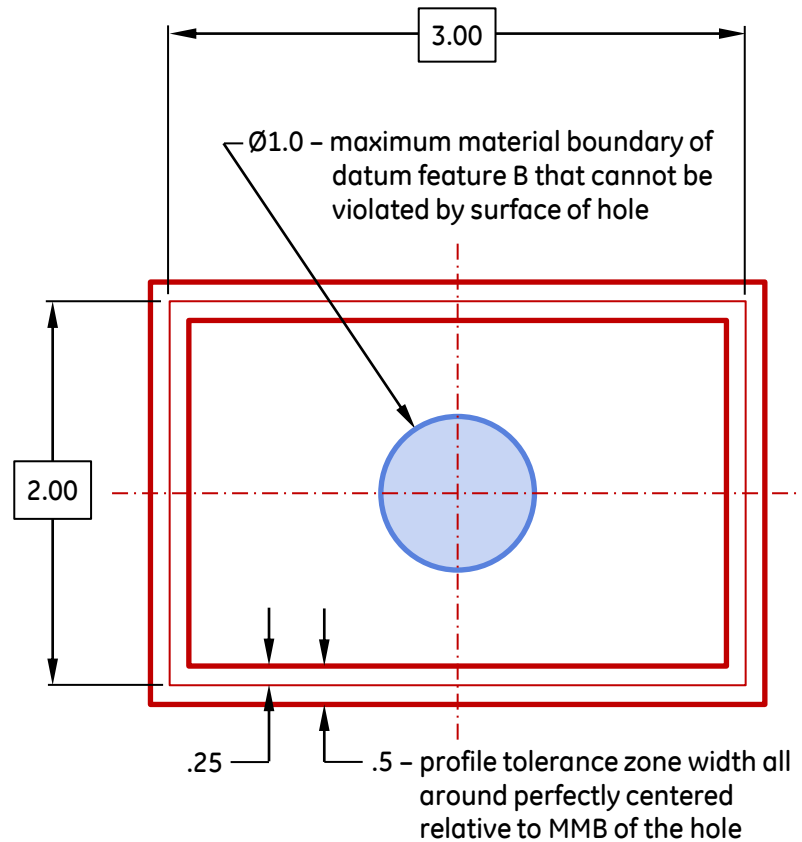
There are two prints as shown in the left...

Imagine that as-produced part looks like below:



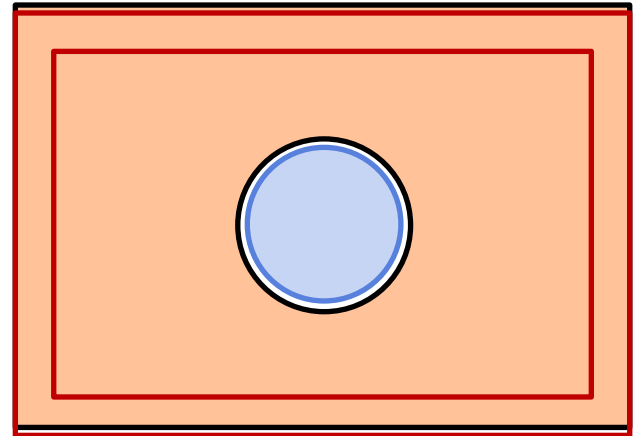
- Rectangular outline is perfectly centered relative to hole's center in horizontal direction
- Rectangular outline is offset relative to hole's center by .1 in vertical direction

TOLERANCE ZONE WIREFRAME FOR CASE #1

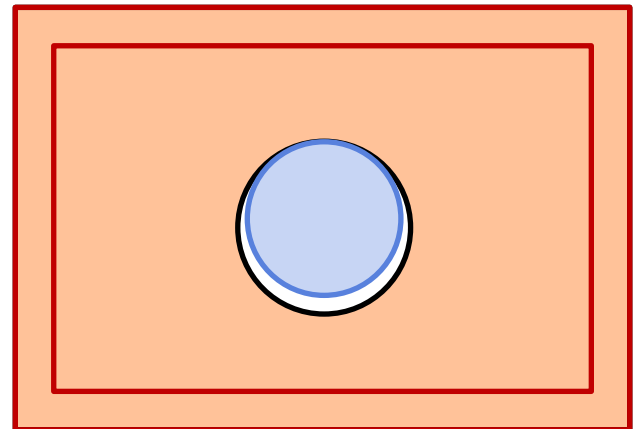


What happens when one is trying to fit the as-produced part inside tolerance zone wireframe?

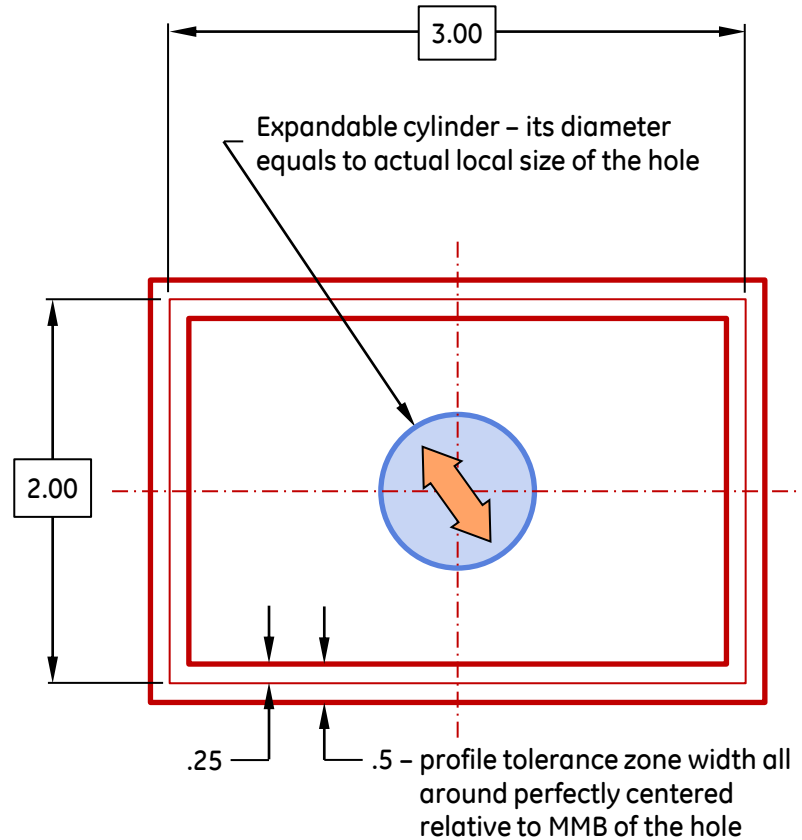
When the part is placed in a way that actual hole ($\varnothing 1.2$) is coaxial with MMB of datum feature B ($\varnothing 1.0$), upper surface of rectangular outline falls outside wireframe ...



... but since THERE IS A LOOSE between hole's actual surface and its MMB the part CAN BE SHIFTED down in order to fit the upper surface within the wireframe

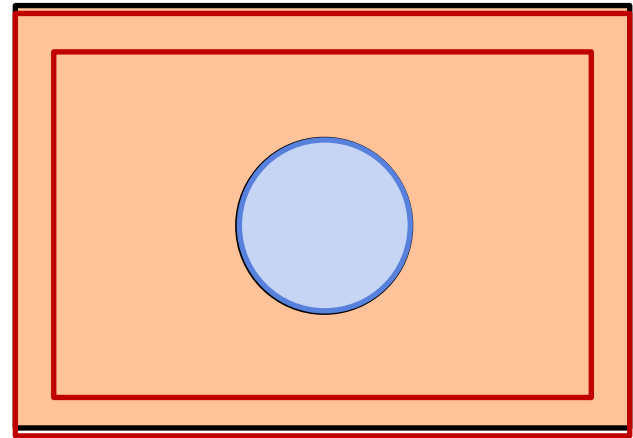


TOLERANCE ZONE WIREFRAME FOR CASE #2



What happens when one is trying to fit the as-produced part inside tolerance zone wireframe?

When the part is placed, upper surface of rectangular outline falls outside wireframe ...



... and since **THERE IS NO LOOSE** available between hole's actual surface and the expandable cylinder the part **CANNOT BE SHIFTED** down in order to fit the upper surface within wireframe