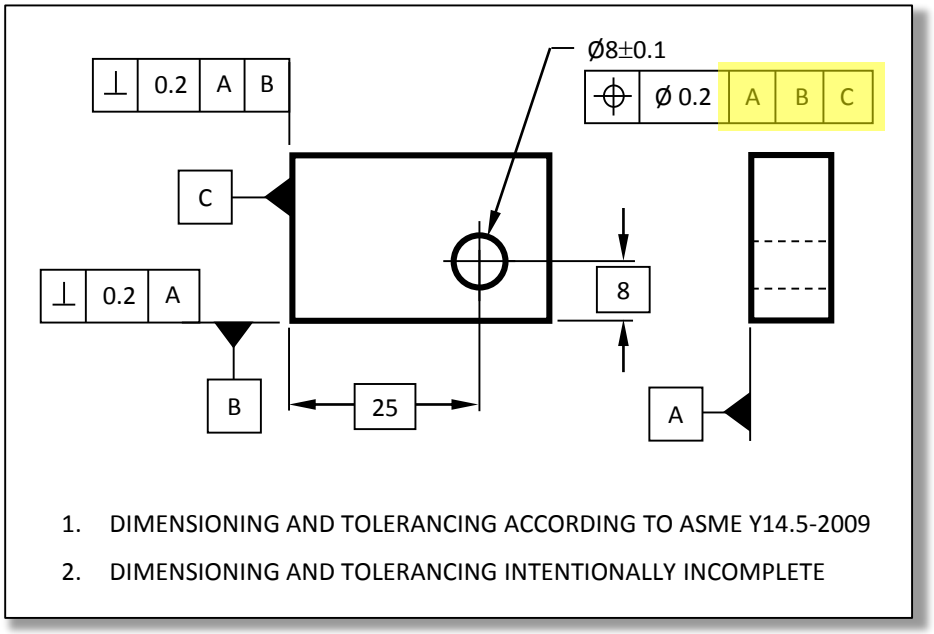
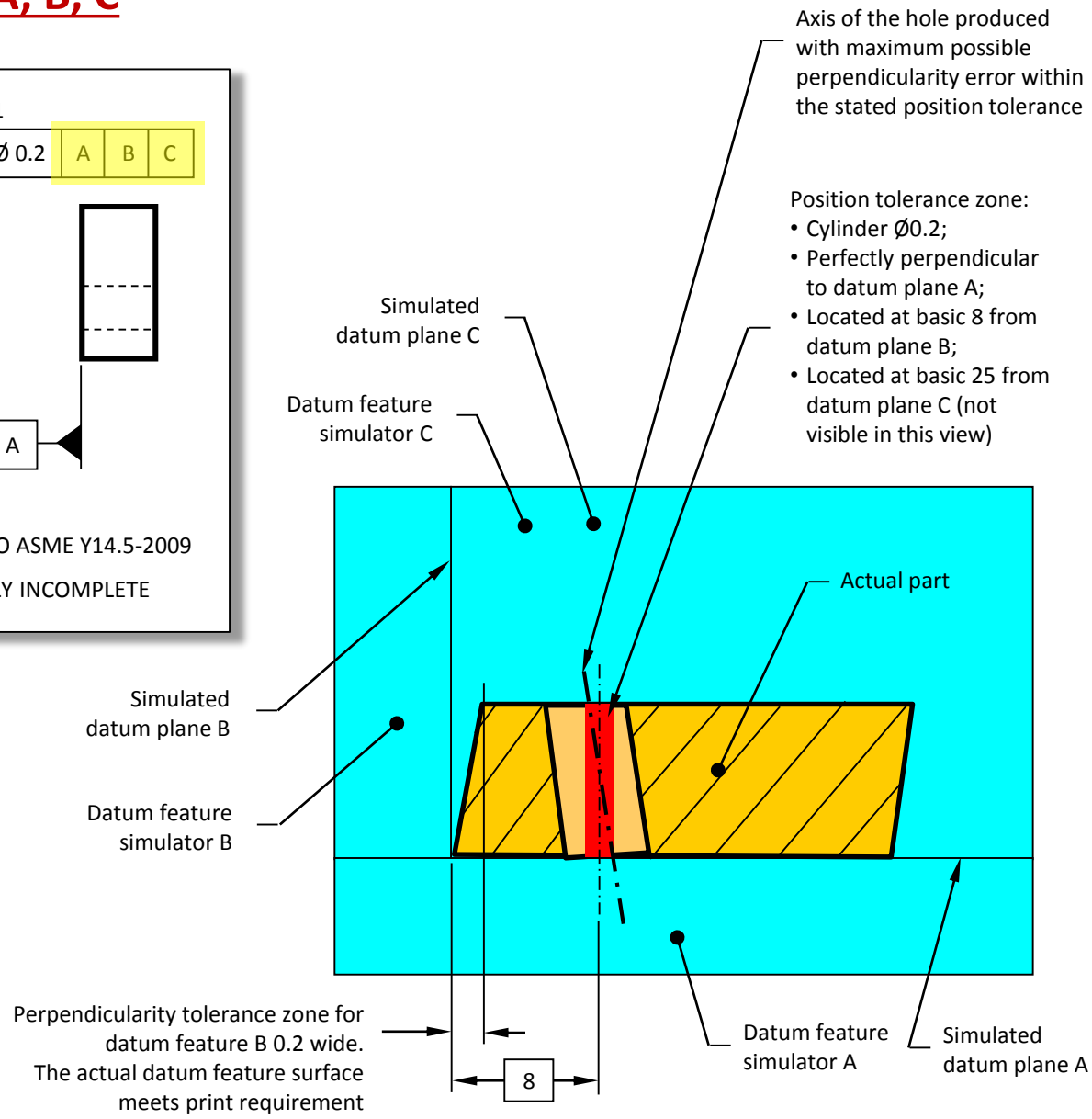
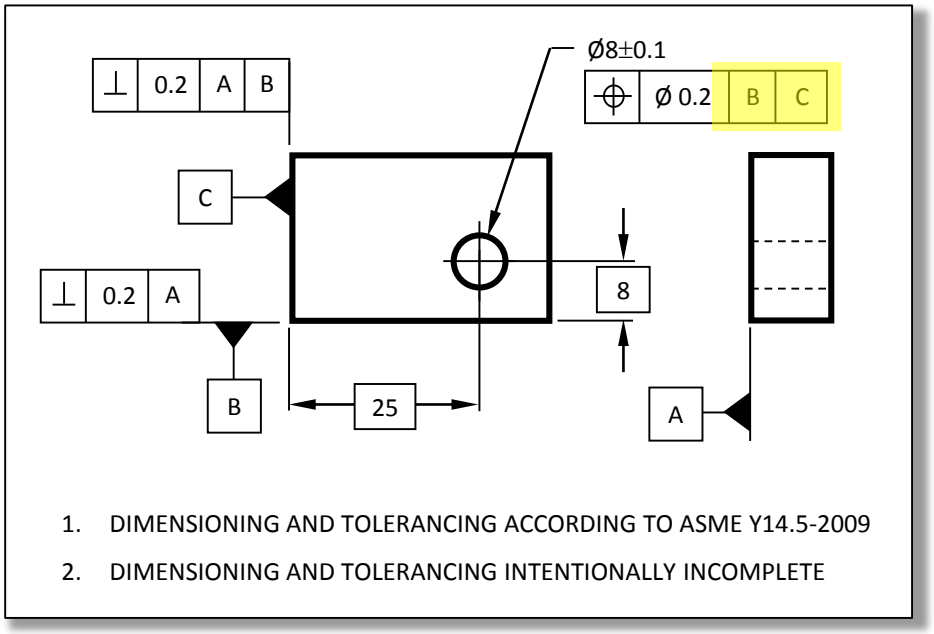
CASE #1 – hole positioned to A, B, C



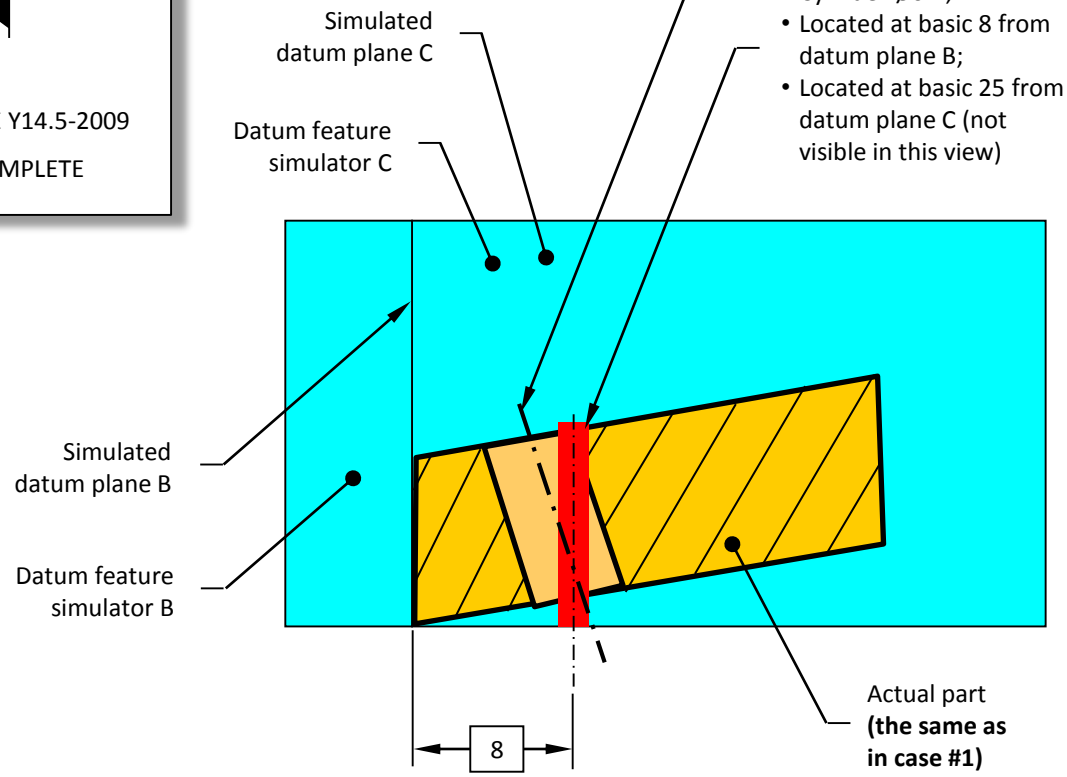


CASE #2 – hole positioned to B, C



Axis of the hole falls outside of position tolerance zone

Position tolerance zone:
- Cylinder Ø0.2;
- Located at basic 8 from datum plane B;
- Located at basic 25 from datum plane C (not visible in this view)



OBSERVATION:

The very same part meets position requirement in case #1 but does not meet position requirement in case #2.

CONCLUSION:

Dimensioning and tolerancing schemes shown in both cases are not equivalent.