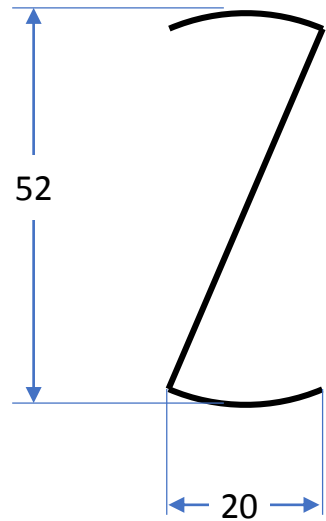


## Geometry from image 3

Fig. 1



## Examples of valid candidate UAMEs

Fig. 2

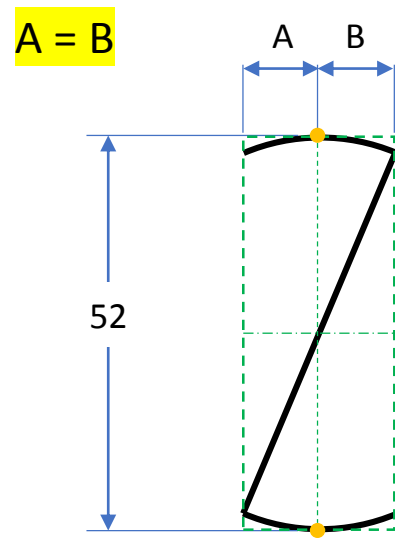


Fig. 3

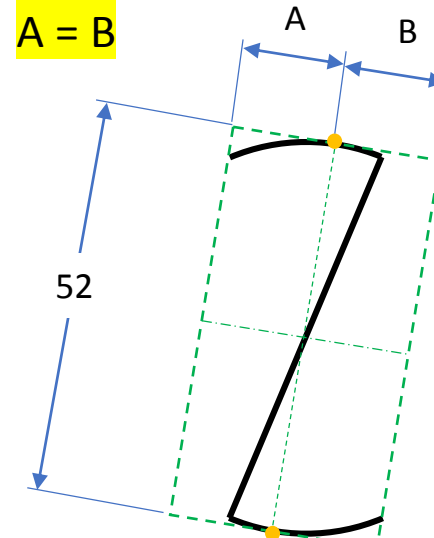
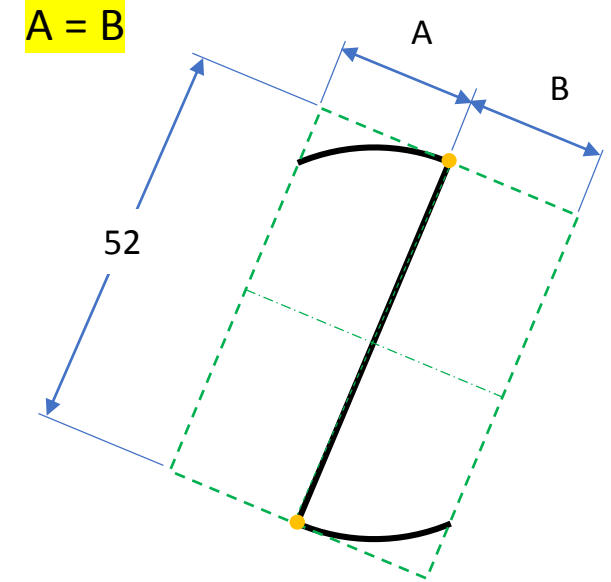


Fig. 4



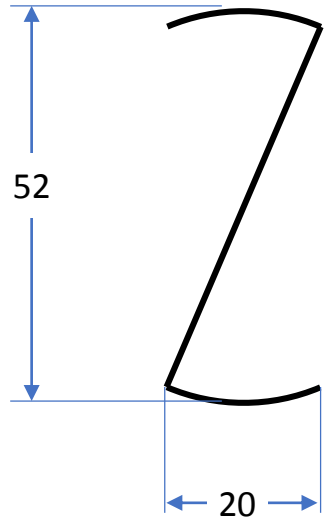
In all 3 cases the envelope is tangent to the surfaces constituting considered feature.

These could be valid candidate UAMEs because the distances A and B between the boundaries of the considered feature projected onto a center plane of the candidate UAME and the contact point are equal.

The envelope in Fig. 2 would be true UAME of the feature because the distances A and B are minimized.

## Geometry from image 3

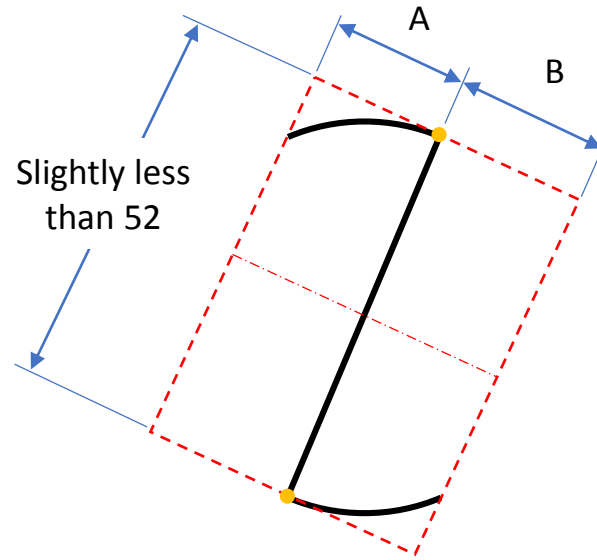
Fig. 1



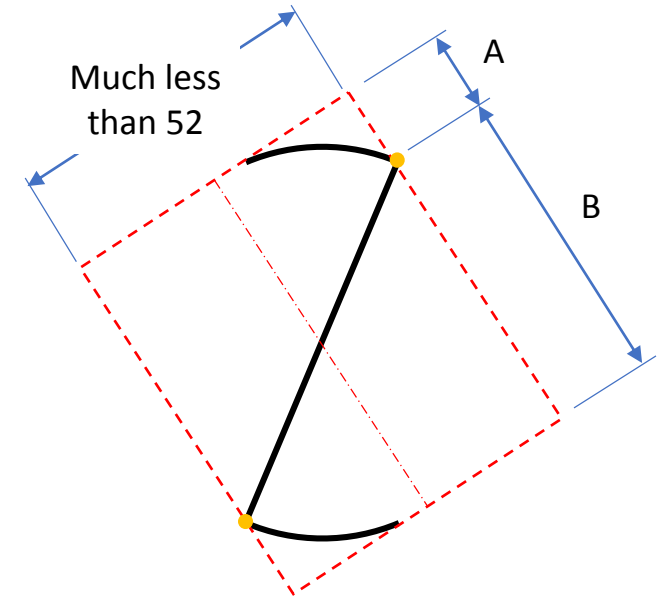
## Examples of invalid candidate UAMEs

Fig. 5

$A \neq B$



$A \neq B$



In both cases the envelope contacts the corner points with no tangency to the surfaces constituting considered feature.

These would be invalid candidate UAMEs because the distances A and B between the boundaries of the considered feature projected onto a center plane of the candidate UAME and the contact point are not equal.

### Overlay of all five envelopes (Fig. 2 – Fig. 6)

