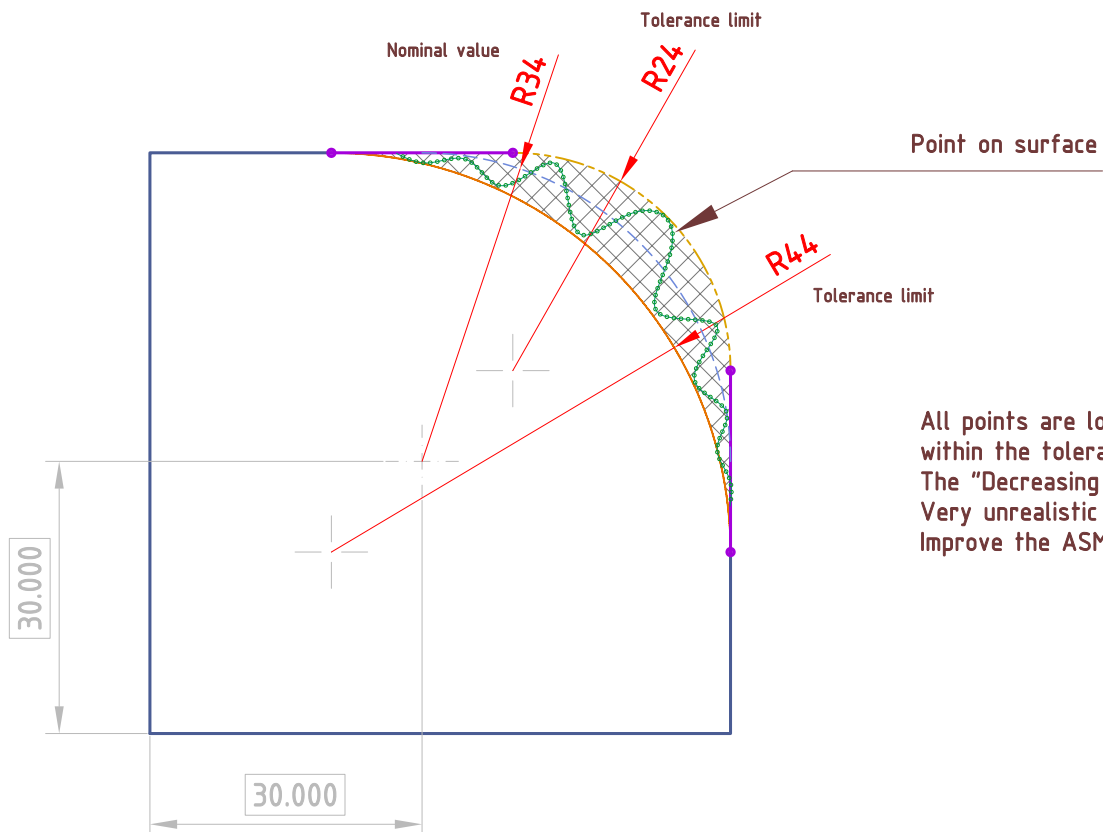
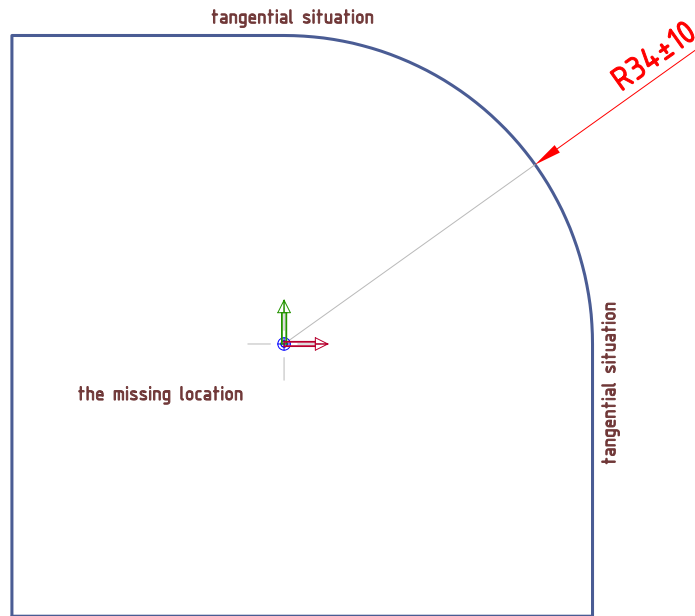


# Fillet Radius and dimensioning

Pic. #1

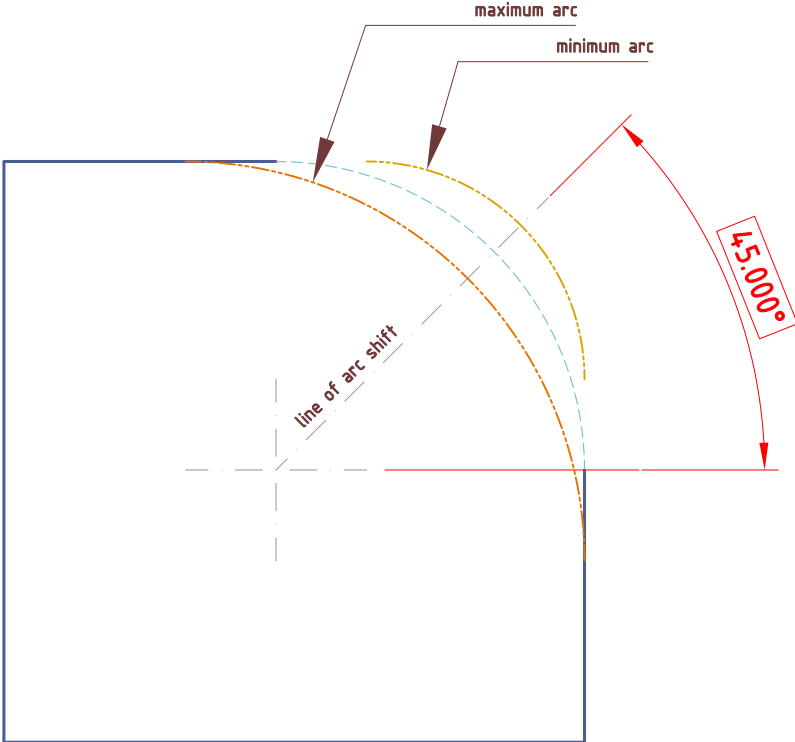


All points are located within the tolerance zone. The "Decreasing form error" Very unrealistic scenario. Improve the ASME!

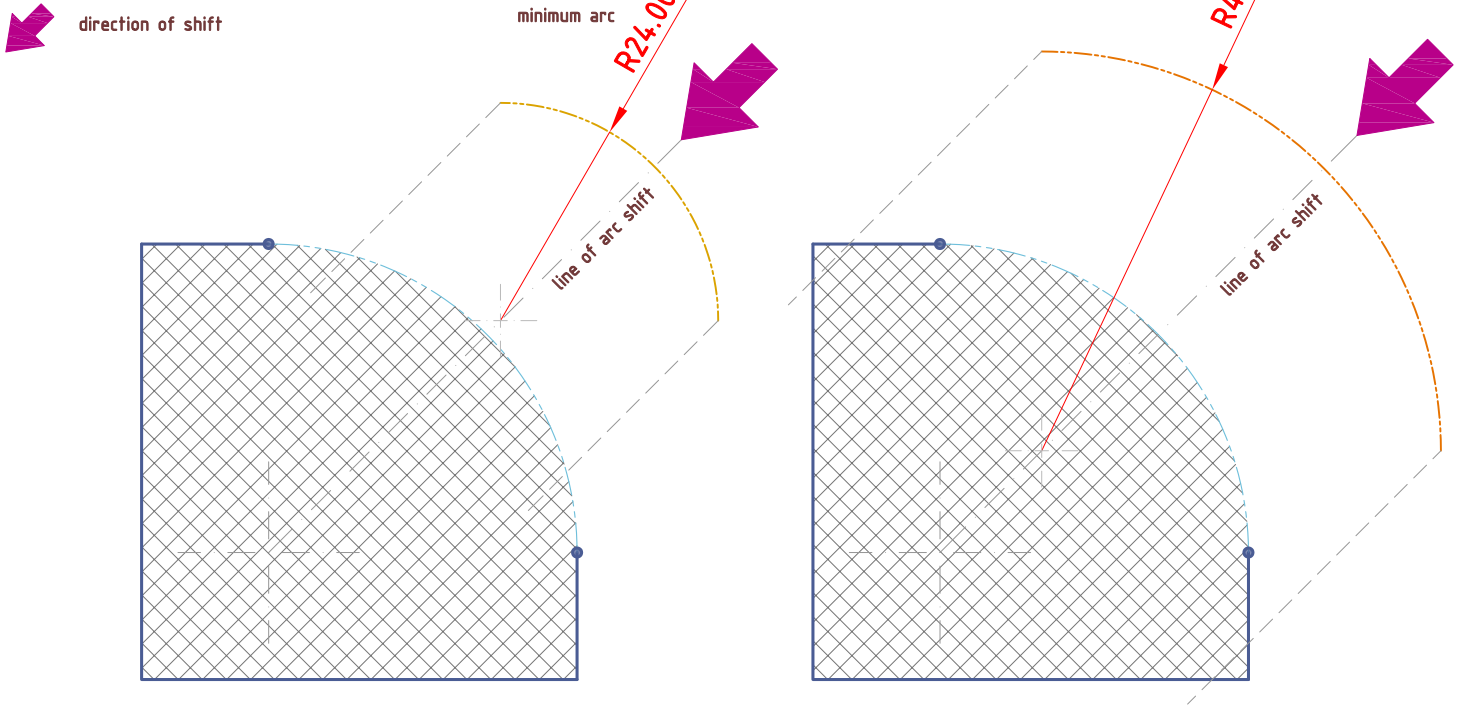
# Fillet Radius and fitting the arc

Pic. #2

Regarding the tolerance limits as independant arcs.



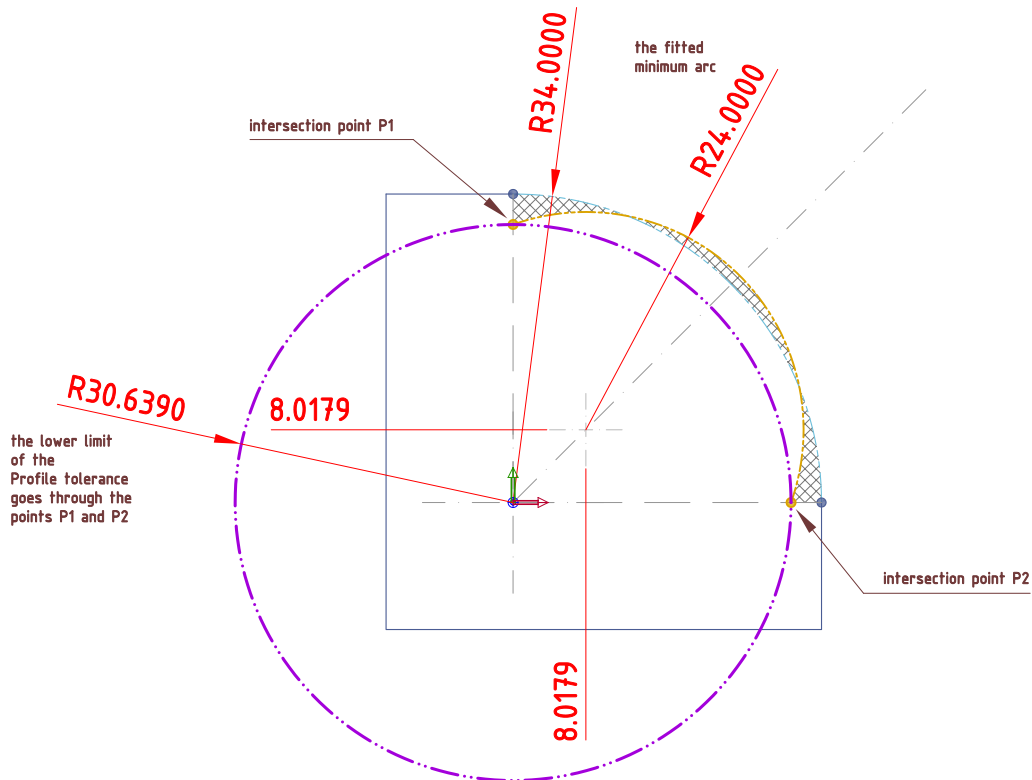
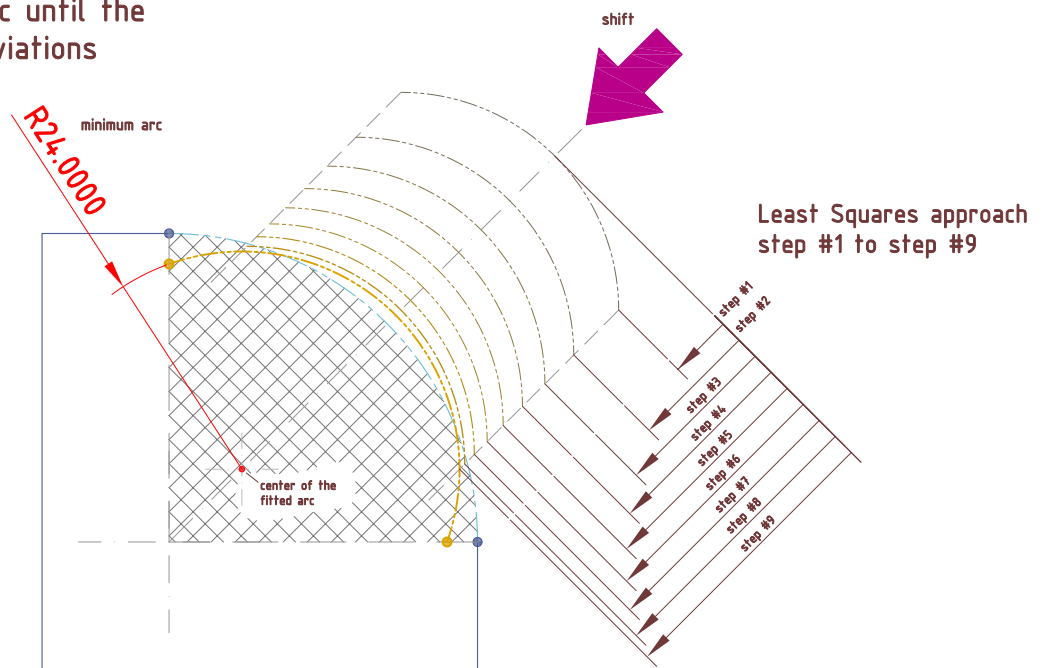
Minimum and maximum arc in starting position



# Fillet Radius and fitting the arc

Pic. #3

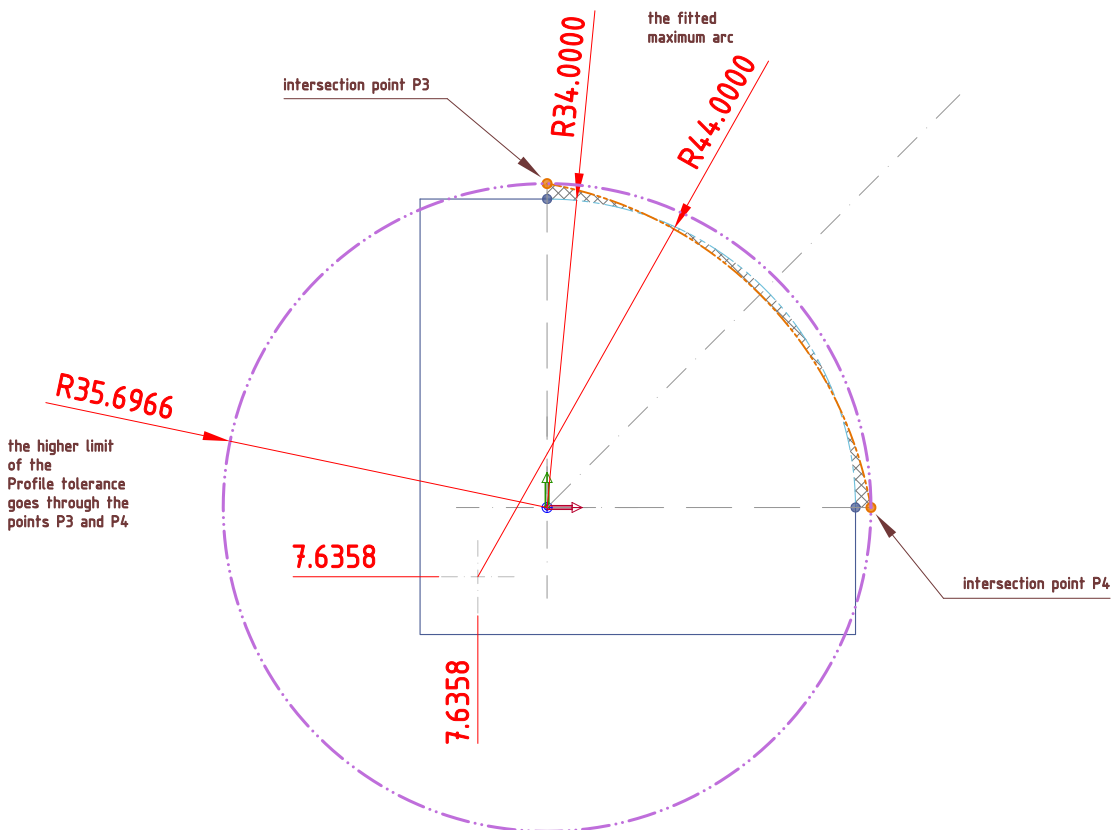
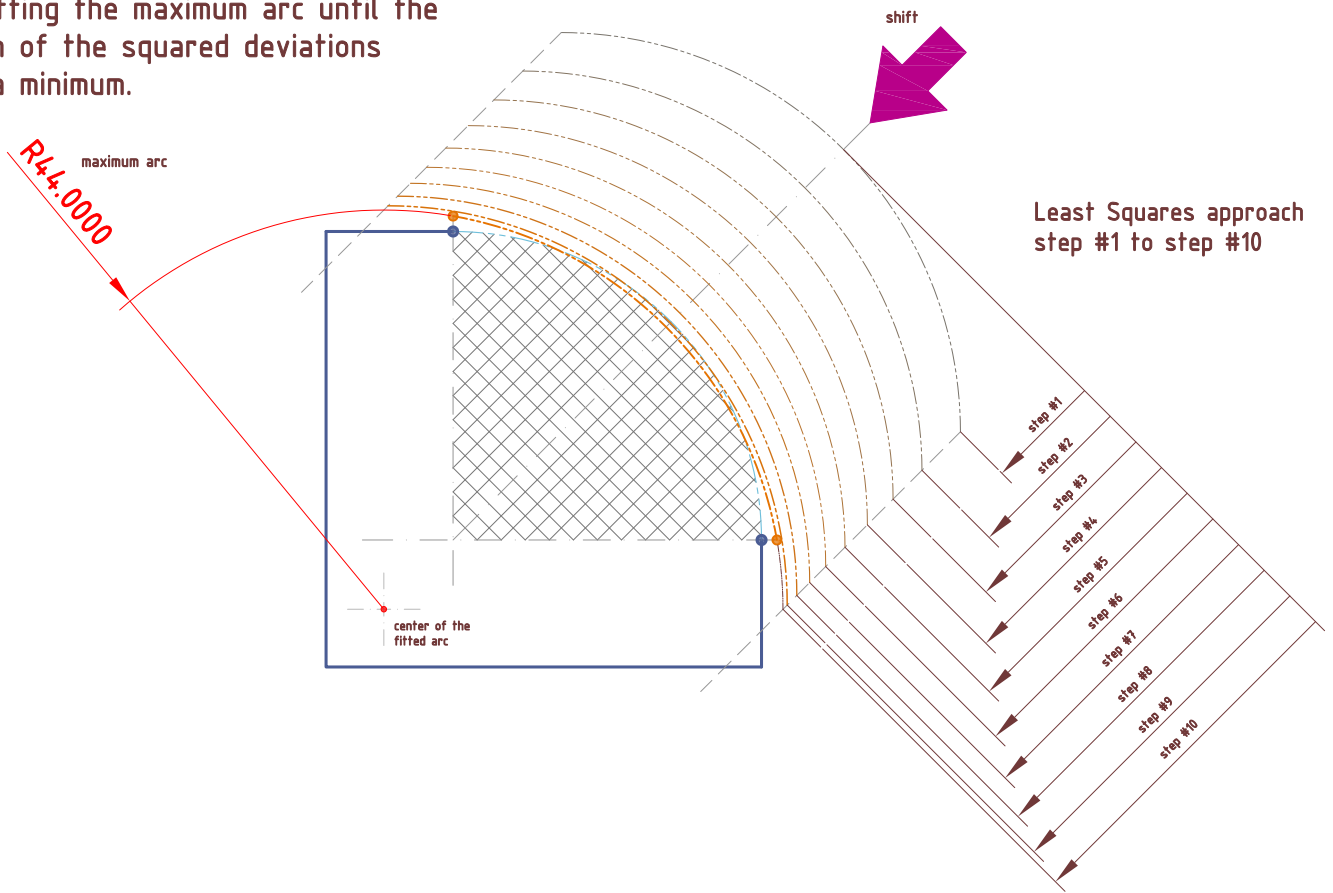
Shifting the minimum arc until the sum of the squared deviations is a minimum.



# Fillet Radius and fitting the arc

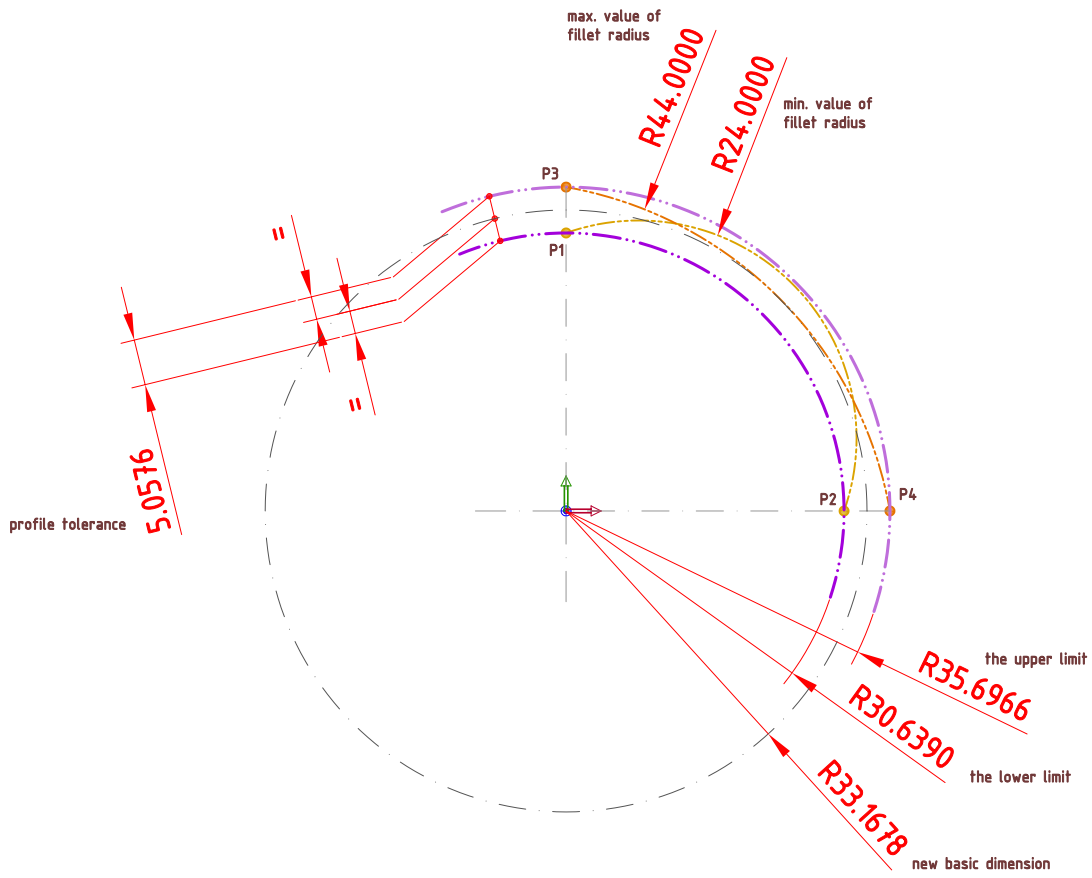
Pic. #4

Shifting the maximum arc until the sum of the squared deviations is a minimum.



# Fillet Radius and two concentric arcs

Pic. #5



## New dimensioning

## Plus-Minus-Tolerance (old)

