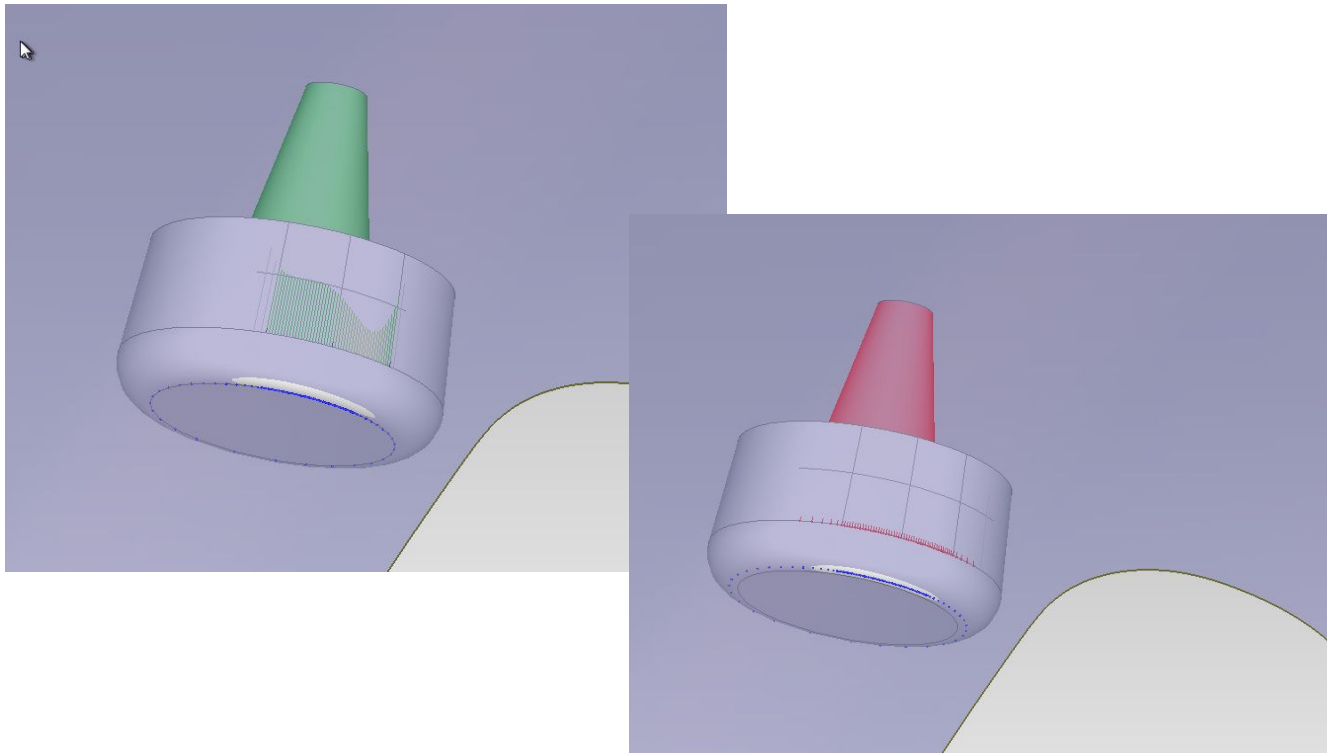
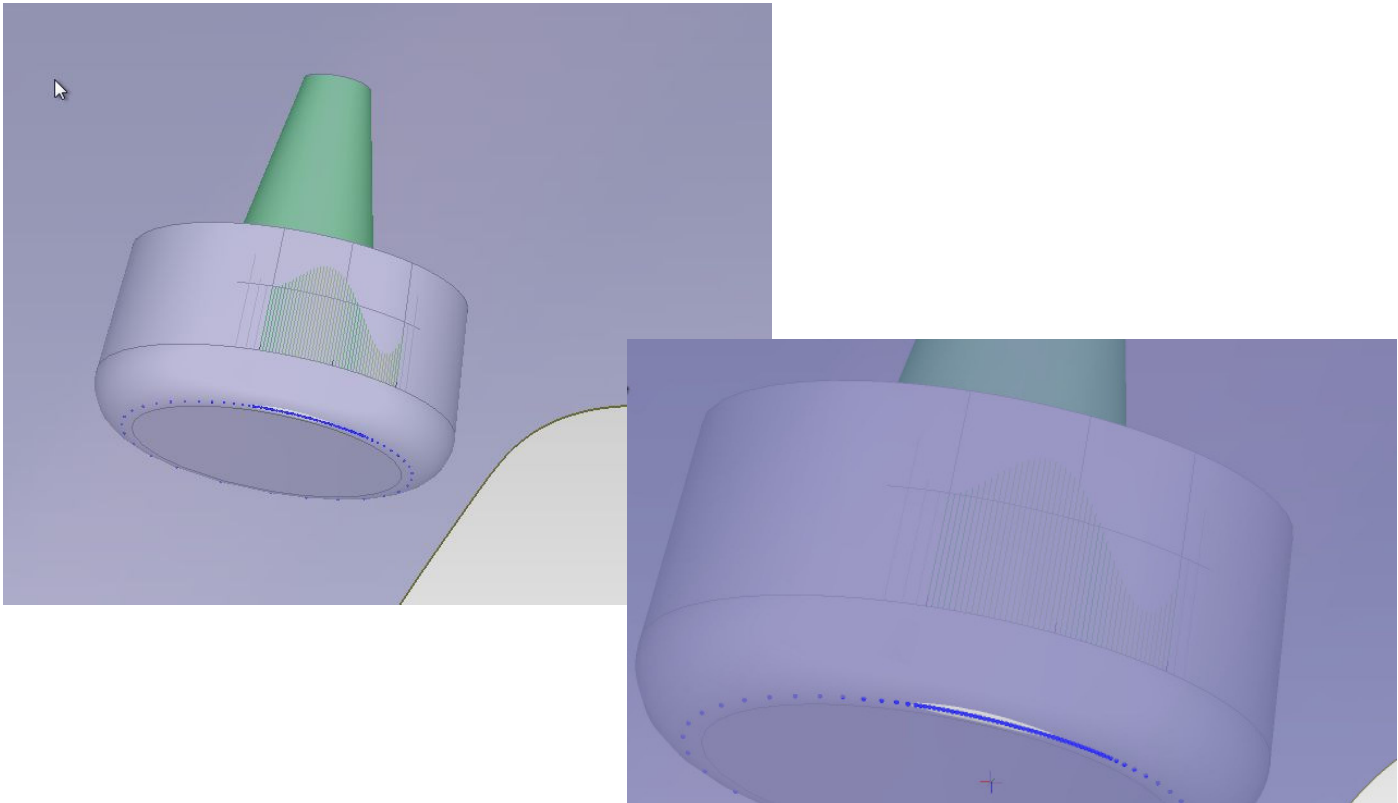


Toric radius compensation TRC

On activation of the toric radius compensation computation inaccuracies (due to radii on the face of the tool) are reduced and/or eliminated. The size of the deviations depends directly on the required angle of the tool. Without the use of TRC tolerances of up to approx. 0,1 mm for lightly curved surfaces and up to max. $0,5 \cdot$ milling tool radius are possible with extremely steep angles.



Without TRC: The analysis result on the left is (falsely) positive (green), however the comparison right with the actual contact line results in a negative result (red). Surface violation is clearly visible.



With TRC: The analysis result on the left is (correctly) positive and the visible surface violatio minimal (enlarged picture on the right).

When using TRC milling accuracy is increased by at least factor 10 (with incidence angles of 10-15° which are common) and is absolutely necessary for milling with larger incidence angles.