

## Correction of the advance width of dcaron and lcaron

There are four letters dcaron, tcaron, lcaron and Lcaron with the same special variant of caron. They are used in the Czech and/or Slovak languages. The text with these letters should be compact and look similar as if the accents were removed. The letters have often the same width as the base letters without accents, but they can also be a little wider.

In GentiumPlus the letters tcaron and Lcaron have the same width as the base letters and they need no correction. On the other hand letters dcaron and lcaron have positive right side bearing and this makes quite a visible space in the words.

The advance width of these letters should be as close to the advance width of the base letters as possible, but without big collision with the following letter. The problematic case is when these letters are followed by letter *k*. This was used and the letters were made as narrow as there was an acceptable collision with the letter *k*. The accent goes a little out of the bounding box for the letter—to the same extent for dcaron and lcaron. Here is the table that shows the original advance width of the accented letter, the width of the base letter and the new corrected width:

font	letter	original width	width of base letter	new width
GentiumPlus Regular	dcaron	625	520	556
GentiumPlus Regular	lcaron	367	270	297
GentiumPlus Italic	dcaron	589	473	492
GentiumPlus Italic	lcaron	359	234	262

Here is a small sample after the correction:

nákladák lodka velmi kolko

*nákladák lodka velmi kolko*

nákladák lodka velmi kolko  
*nákladák lodka velmi kolko*