

A line fitted into a box

Every line below is the same string at the same 20 pt, given a different box. The rectangle is drawn so the fit can be seen; the box asked for and the natural width of the line are printed beside it.

Rechnungsnummer 2026-0815

-fit 100 8 - natural width 97.3 mm

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-fit 90 8 - natural width 97.3 mm

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-fit 60 8 - natural width 97.3 mm

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-fit 40 8 - natural width 97.3 mm

-shrinkLimit 100 forbids narrowing altogether and takes the whole reduction out of the size:

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-spacing adds an absolute amount per character, which does not shrink with the size. All three lines below are fitted into the same 70 by 8 box: the wider the spacing, the smaller what is left for the letters.

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-spacing 0 - 0.0 mm of the box goes to the gaps

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-spacing 1 - 8.5 mm of the box goes to the gaps

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-spacing 2 - 16.9 mm of the box goes to the gaps

What -fit refuses

the spacing alone is wider than the box: -fit {20 8} -spacing 3

tclpdf: -fit cannot bring this line into a box 20 mm wide: -spacing and -wordSpacing are absolute point values that do not shrink with the letters, and they alone take 25.4 of it - give a wider box, or less spacing

-fit together with -width

tclpdf: -fit puts ONE line into a box and -width breaks a paragraph into as many lines as it takes - the two are different questions about the same rectangle. Fit the line, or break the paragraph and give it -height

a box under the floor of one point: -fit {0.0001 0.0001}

tclpdf: -fit {0.0001 0.0001} leaves nothing of the line - the size would come out at 2.223e-05 pt and the stretch at 85 per cent, and a size under one point is smaller than anything this package can write into a box; give a box the line can be seen in

-fit on a vertical line: TCLPDF TEXT VERTICAL fit - not shown here, because -direction ttb asks for an embedded face first and this page has none

-anchor, measured against the face's line box:

