Permissible limit deviations in the plan view and elevation

Dimensions in the plan view, e.g. length and width dimensions of foundations, slabs, downstand and upstand beams, girders, length and thickness dimensions of walls, position of openings and recesses, position and cross-sectional dimensions of pillars and columns as well as axial and grid dimensions must meet the requirements of line 1, Table 1 of DIN 18202. Spatial dimensions, clearance dimensions between columns and other clearance dimensions in the plan view must meet the requirements on line 3, Table 1 of DIN 18202.

Height dimensions, e.g. wall heights, heights of columns, downstand beams and upstand beams must meet the requirements of line 2, Table 1 of DIN 18202. These limit values do not apply to clearance heights, e.g. room height or clearance height under downstand beams, to which the limit values from line 4, Table 1 of DIN 18202 apply.

Openings have their own limit values. The limit values according to line 5, Table 1 of DIN 18202 are to be complied with for both the width and the height of openings if the reveals concerned are subsequently to be clad, e.g. plastered. The limit values according to line 6, Table 1 of DIN 18202 apply to reveals with finished surfaces.

Tab. 1: Maximum permissible dimensional deviations according to Table 1 of DIN 18202

Line number	**Type of dimension**	**Limit deviations (mm) with nominal dimensions (m)**					
		≤ 1	**> 1 ≤ 3**	**> 3 ≤ 6**	**> 6 ≤ 15**	**> 15 ≤ 30**	**> 30 to ~ 60**
1	in the plan view	±10	±12	±16	±20	±24	±30
2	in the elevation	±10	±16	±16	±20	±30	±30
3	clearance dimensions in the plan view	±12	±16	±20	±24	±30	-
4	clearance dimensions in the elevation	±16	±20	±20	±30	-	-
5	Openings without reveals with finished surfaces	±10	±12	±16	-	-	-
6	Openings with reveals with finished surfaces	±8	±10	±12	-	-	-

The limit deviations according to DIN 18202 are all related to nominal dimensions.

These nominal dimensions are pre-specified dimensions and must therefore also be specified in the construction drawings.

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