

**According to DIN ISO 2768-1**  
Item reported in *italic* are from DIN 7168

General tolerances for linear measures and level squares with four tolerance classes are useful for simplifying drawings. By choosing the tolerance class precision levels common in workshops should be taken into account.

If smaller tolerances are needed or bigger ones are more economical, then these tolerances are indicated next to the nominal size.

**Table 1 Limits for linear measures**

Tolerance-class	Limits in mm for nominal sizes in mm												
	0,5 up to 3	above 3 up to 6	above 6 up to 30	above 30 up to 120	above 120 up to 400	above 400 up to 1000	above 1000 up to 2000	above 2000 up to 4000	<i>above 4000 up to 8000</i>	<i>above 8000 up to 12000</i>	<i>above 12000 up to 16000</i>	<i>above 16000 up to 20000</i>	
<b>f (fine)</b>	± 0,05	± 0,05	± 0,1	± 0,15	± 0,2	± 0,3	± 0,5	-	-	-	-	-	
<b>m (medium)</b>	± 0,1	± 0,1	± 0,2	± 0,3	± 0,5	± 0,8	± 1,2	± 2	± 3	± 4	± 5	± 6	
<b>c (coarse)</b>	± 0,15	± 0,2	± 0,5	± 0,8	± 1,2	± 2	± 3	± 4	± 4	± 6	± 7	± 8	
<b>v (very coarse)</b>	-	± 0,5	± 1	± 1,5	± 2,5	± 4	± 6	± 8	± 8	± 10	± 12	± 12	

For nominal sizes below 0,5 mm the limit measures are to be indicated directly at the nominal measure.

**Table 2 Limit measures for radius of curvature and chamfer height**

Tolerance class	Limits in mm for nominal sizes in mm				
	0,5 up to 3	above 3 up to 6	above 6 up to 30	<i>above 30 up to 120</i>	<i>above 120 up to 400</i>
<b>f (fine)</b>	± 0,2	± 0,5	± 1	± 2	± 4
<b>m (medium)</b>	± 0,2	± 0,5	± 1	± 2	± 4
<b>c (coarse)</b>	± 0,4	± 1	± 2	± 4	± 8
<b>v (very coarse)</b>	± 0,4	± 1	± 2	± 4	± 8

For nominal sizes below 0,5 mm the limit measures are to be indicated directly at the nominal measure.

**Table 3 Permissible deviation for angular dimension**

Tolerance class	Limits in mm for nominal sizes in mm				
	up to 10	above 10 up to 50	above 50 up to 120	above 50 up to 400	above 400
<b>f (fine)</b>	± 1 °	± 30 '	± 20 '	± 10 '	± 5 '
<b>m (medium)</b>	± 1 °	± 30 '	± 20 '	± 10 '	± 5 '
<b>c (coarse)</b>	± 1 ° 30 '	± 1 °	± 30 '	± 15 '	± 10 '
<b>v (very coarse)</b>	± 3 °	± 2 °	± 1 °	± 30 '	± 20 '

If general tolerances according to ISO 2768-1 are valid, the following has to be inserted in the title box, i.e. for tolerance class medium

**ISO 2768 – m or general tolerance ISO 2768 – m**

For new designs only the general tolerance according to DIN ISO 2768-1 should be valid. The limit measurements of the tolerance classes m and f of DIN ISO 2768-1 are identical with those of DIN 7168-1.