

**Table 1. Permissible deviations for linear dimensions except chamfered parts
(external radii and chamfer heights, see Table 2.)**

Unit : mm

Tolerance class		Division of basic dimension							
Designation	Description	0.5 ⁽¹⁾ up to 3	Over 3 up to 6	Over 6 up to 30	Over 30 up to 120	Over 120 up to 400	Over 400 up to 1000	Over 1000 up to 2000	Over 2000 up to 4000
		Permissible deviations							
f	fine	0.05	0.05	0.1	0.15	0.2	0.3	0.5	-
m	medium	0.1	0.1	0.2	0.3	0.5	0.8	1.2	2
c	coarse	0.2	0.3	0.5	0.8	1.2	2	3	4
v	very coarse	-	0.5	1	1.5	2.5	4	6	8

Note ⁽¹⁾ : For basic dimensions below 0.5 mm, the deviations shall be indicated adjacent to the relevant basic dimension(s).

**Table 2. Permissible deviations for linear dimensions of chamfered parts
(Rounding of corner and chamfered dimension)**

Unit : mm

Tolerance class		Division of basic dimension		
Designation	Description	0.5 ⁽¹⁾ up to 3	Over 3 up to 6	Over 6
		Permissible deviations		
f	fine	0.2	0.5	1
m	medium			
c	coarse	0.4	1	2
v	very coarse			

Note ⁽¹⁾ : For basic dimensions below 0.5 mm, the deviations shall be indicated adjacent to the relevant basic dimension(s).

Table 3. Permissible deviations for angular deviations

Tolerance class		Deviation of length (unit : mm) of the shorter side of the angle concerned				
Designation	Description	Up to 10	Over 10 up to 50	Over 50 up to 120	Over 120 up to 400	Over 400
		Permissible deviations				
f	fine	1°	30'	20'	10'	5'
m	medium					
c	coarse	1°30'	1°	30'	15'	10'
v	very coarse	3°	2°	1°	30'	20'

Table 4. General tolerances on straightness and flatness

Unit : mm

Tolerance class	Straightness and flatness tolerances for ranges of nominal lengths					
	Up to 10	Over 10 up to 30	Over 30 up to 100	Over 100 up to 300	Over 300 up to 1000	Over 1000 up to 3000
	General tolerances on straightness and flatness					
H	0.02	0.05	0.1	0.2	0.3	0.4
K	0.05	0.1	0.2	0.4	0.6	0.8
L	0.1	0.2	0.4	0.8	1.2	1.6

Table 5. General tolerances on perpendicularity

Unit : mm

Tolerance class	Perpendicularity tolerances for ranges of nominal lengths of the shorter side			
	Up to 100	Over 100 up to 300	Over 300 up to 1000	Over 1000 up to 3000
	General tolerances on perpendicularity			
H	0.2	0.3	0.4	0.5
K	0.4	0.6	0.8	1
L	0.6	1	1.5	2

Table 6. General tolerances on symmetry

Unit : mm

Tolerance class	Symmetry tolerances for ranges of nominal length			
	Up to 100	Over 100 up to 300	Over 300 up to 1000	Over 1000 up to 3000
	General tolerances on symmetry			
H	0.5			
K	0.6		0.8	1
L	0.6	1	1.5	2

Table 7. General tolerances on circular run-out

Unit : mm

Tolerance class	Circular run-out tolerance
H	0.1
K	0.2
L	0.5