



## STANDARD ISO 2768-1

General tolerances for linear  
and angular dimensions.  
Extract from the standard

04-09-2001

Table 1 - Permissible deviations for linear dimensions except for broken edges (external radii and chamfer heights)

Tolerance class		Permissible deviations for basic size range							
Designation	Description	from 0,5* 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
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

\* For nominal size below 0,5 mm, the deviation shall be indicated adjacent to the relevant nominal size(s).

Table 2 – Permissible deviations for broken edges (external radii and chamfer heights)

Tolerance class		Permissible deviations for basic size range		
Designation	Description	from 0,5* up to 3	over 3 up to 6	over 6
f	fine	± 0,2	± 0,5	± 1
m	medium			
c	coarse	± 0,4	± 1	± 2
v	very coarse			

\* For nominal size below 0,5 mm, the deviation shall be indicated adjacent to the relevant nominal size(s).

Table 3 – Permissible deviations for angular dimensions

Tolerance class		Permissible deviations for ranges of lengths in millimetres of 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
f	fine	± 1°	± 0,5°	± 0,333°	± 0,166°	± 0,083°
m	medium					
c	coarse	± 1,5°	± 1°	± 0,5°	± 0,25°	± 0,166°
v	very coarse	± 3°	± 2°	± 1°	± 0,5°	± 0,333°

Indication on drawing – example (medium): ISO 2768-m alternatively SS-ISO 2768-1 m