

UNI EN 22768 – 1 STANDARD

(for measures **without** the indication of specific tolerances)

Permissible deviation limits for linear dimensions, except for broken edges (external radii and chamfer heights)

Dimensions in mm

Tolerance class		Deviation limits per fundamental size range							
Designation	Description	from 0.5* until 3	> 3 until 6	> 6 until 30	> 30 until 120	> 120 until 400	> 400 until 1000	> 1000 until 2000	> 2000 until 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 sizes < 0.5 mm, the deviations shall be indicated adjacent to the relevant nominal size(s).

Permissible deviation limits for broken edges (external radii and chamfer heights)

Dimensions in mm

Tolerance class		Deviation limits per fundamental size range		
Designation	Description	from 0.5* until 3	> 3 until 6	> 6
f	Fine	± 0.2	± 0.5	± 1
m	Medium			
c	Coarse	± 0.4	± 1	± 2
v	Very coarse			

* for nominal sizes < 0.5 mm, the deviations shall be indicated adjacent to the relevant nominal size(s).

Permissible deviation limits for angular dimensions

Tolerance class		Deviation limits per length range in mm from the shorter side of the angle in question				
Designation	Description	until 10	> 10 until 50	> 50 until 120	> 120 until 400	> 400
f	Fine	± 1°	± 0°30'	± 0°20'	± 0°10'	± 0°5'
m	Medium					
c	Coarse	± 1°30'	± 1°	± 0°30'	± 0°15'	± 0°10'
v	Very coarse	± 3°	± 2°	± 1°	± 0°30'	± 0°20'