

General Tolerances According to DIN ISO 2768-1

Permissible deviation limits for linear measures

Nominal Size range in mm	Tolerance Class			
	f (fine) tolerance in mm	m (medium) tolerance in mm	c (coarse) tolerance in mm	v (very coarse) tolerance in mm
0.5 up to 3	±0.05	±0.10	±0.15	n/a
> 3 up to 6	±0.05	±0.10	±0.20	±0.50
> 6 up to 30	±0.10	±0.20	±0.50	±1.00
> 30 up to 120	±0.15	±0.30	±0.80	±1.50
> 120 up to 400	±0.20	±0.50	±1.20	±2.50
> 400 up to 1000	±0.30	±0.80	±2.00	±4.00
> 1000 up to 2000	±0.50	±1.20	±3.00	±6.00
> 2000 up to 4000	n/a	±2.00	±4.00	±8.00

Permissible deviation limits for external radii and chamfer heights

Nominal Size range in mm	Tolerance Class			
	f (fine) tolerance in mm	m (medium) tolerance in mm	c (coarse) tolerance in mm	v (very coarse) tolerance in mm
0.5 up to 3	±0.20		±0.40	
> 3 up to 6	±0.50		±1.00	
> 6	±1.00		±2.00	

Permissible deviation limits for angular measures

Nominal Size range in mm	Tolerance Class			
	f (fine) tolerance in mm	m (medium) tolerance in mm	c (coarse) tolerance in mm	v (very coarse) tolerance in mm
0.5 up to 10	±1°		±1°30'	±3°
> 10 up to 50	±0°30'		±1°	±2°
> 50 up to 120	±0°20'		±30'	±1°
> 120 up to 40	±0°10'		±15'	±30'
> 400	±0°5'		±10'	±20'

Metric Thread Pitch Table on next page