

General Tolerances to DIN ISO 2768

- The latest DIN standard sheet version applies to all parts made to DIN standards.
- Variations on dimensions without tolerance values are according to "DIN ISO 2768- mk".
- 最新的 DIN 标准表版本适用于所有按照 DIN 标准制造的零件。
- 未标注公差值的尺寸变化符合 "DIN ISO 2768-mk" 标准。

GENERAL TOLERANCES FOR LINEAR AND ANGULAR DIMENSIONS (DIN ISO 2768 T1)

线性和角度尺寸的一般公差 (DIN ISO 2768 T1)

Nominal lengths (mm) 公称长度 (毫米)	Tolerance class designation (description) 公差等级 名称 (说明)			
	f(fine) f (精细级)	m (medium) m (中等级)	c (coarse) c (粗糙级)	v (very coarse) v (非常粗糙级)
0.5 up to 3	±0.05	±0.1	±0.2	-
over 3 up to 6	±0.05	±0.1	±0.3	±0.5
over 6 up to 30	±0.1	±0.2	±0.5	±1.0
over 30 up to 120	±0.15	±0.3	±0.8	±1.5
over 120 up to 400	±0.2	±0.5	±1.2	±2.5
over 400 up to 1000	±0.3	±0.8	±2.0	±4.0
over 1000 up to 2000	±0.5	±1.2	±3.0	±6.0
over 2000 up to 4000	-	±2.0	±4.0	±8.0

EXTERNAL RADIUS AND CHAMFER HEIGHTS

外圆半径和倒角高度

Nominal lengths (mm) 公称长度 (毫米)	Tolerance class designation (description) 公差等级 名称 (说明)			
	f(fine) f (精细级)	m (medium) m (中等级)	c (coarse) c (粗糙级)	v (very coarse) v (非常粗糙级)
0.5 up to 3	±0.2	±0.2	±0.4	±0.4
over 3 up to 6	±0.5	±0.5	±1.0	±1.0
over 6 up to 30	±1.0	±1.0	±2.0	±2.0

ANGULAR DIMENSIONS

角度尺寸

Nominal lengths (mm) 公称长度 (毫米)	Tolerance class designation (description) 公差等级 名称 (说明)			
	f(fine) f (精细级)	m (medium) m (中等级)	c (coarse) c (粗糙级)	v (very coarse) v (非常粗糙级)
up to 10	±1°	±1°	±1°30'	±3°
over 10 up to 50	±0°30'	±0°30'	±1°	±2°
over 50 up to 120	±0°20'	±0°20'	±0°30'	±1°
over 120 up to 400	±0°10'	±0°10'	±0°15'	±0°30'
over 400	±0°5'	±0°5'	±0°10'	±0°20'

STRAIGHTNESS AND FLATNESS

直线度和平整度

Nominal lengths (mm) 公称长度 (毫米)	Tolerance class 公差等级		
	H	K	L
up to 10	0.02	0.05	0.1
over 10 up to 30	0.05	0.1	0.2
over 30 up to 100	0.1	0.2	0.4
over 100 up to 300	0.2	0.4	0.8
over 300 up to 1000	0.3	0.6	1.2
over 1000 up to 3000	0.4	0.8	1.6

PERPENDICULARITY

垂直度

Nominal lengths (mm) 公称长度 (毫米)	Tolerance class 公差等级		
	H	K	L
up to 100	0.2	0.4	0.6
over 100 up to 300	0.3	0.6	1.0
over 300 up to 1000	0.4	0.8	1.5
over 1000 up to 3000	0.5	0.8	2.0

SYMMETRY

对称度

Nominal lengths (mm) 公称长度 (毫米)	Tolerance class 公差等级		
	H	K	L
up to 100	0.5	0.6	0.6
over 100 up to 300	0.5	0.8	1.0
over 300 up to 1000	0.5	0.8	1.5

RUN-OUT

跳动公差

Tolerance class 公差等级		
H	K	L
0.1	0.2	0.5