

The most internationally widely used caliper standard (**DIN 862 Vernier calipers; requirements, testing**) gives the following requirements (all in mm) for caliper measurement accuracy:

A more comprehensive version of this table (and much more) can be found in DIN 862			
Measurement length (mm)	Accuracy limits G <sup>1</sup> ) in µm (0,001mm)		
	Scale values:	Vernier and Dial	Digital
	0,1 and 0,05	0,02	0,01
50	50	20	20
100			
200			
300			
400	60	30	30
500			
600			
700			
800	100	40	40
900			
1000			
1200			
1400	160	50	---
1600			
1800			
2000			
2000	220	60	---

G<sup>1</sup>) values should be increased by 20 µm when measuring inside and depth measurements.  
The parallelism of measuring faces shall be preserved after locking.

DIN 862 is the standard used by most manufacturers as the referenced requirement and testing standard. As the above table is only a small portion of the actual standard, it is recommended that DIN 862 be read by anyone wishing all information. It is available in (at least) German and English.

DIN 862 is identical to ISO 2012