

*Read the following text and show the most important information in an organised way.*

### **Kinds of callipers**

There are callipers which have analogue numerical scales or digital scales.



A calliper with a round scale can be read to 1/100 mm. This dial calliper is an analogue measuring device. Its pointer can take any position, even between the lines on the scale. The smallest dimensional change that can be read on a calliper with a round scale is called “scale value” of the divisions [*Skaleneinteilungswert*].

Callipers with a numerical output have a digital display. That’s why we call them digital callipers. Digital callipers can also be read to 1/100 mm. Here the smallest dimensional change that can be read on the display is called “graduation” [*Zifferschritt*]. An advantage of a digital calliper is that errors in reading the digital display are almost impossible. Nevertheless there can be inaccurate measurements. Note that a scale which can be read to greater accuracy does not mean that the measurement made is more accurate.

The round scale and the digital scale are easier and quicker to use than the vernier scale but the vernier is just as accurate as the callipers with round or digital scales.

**Arbeitsblatt/Worksheet 3**  
**ARTEN VON SCHIEBLEHREN (Deutsche Version)/**  
**KINDS OF CALLIPERS (German version)**  
**Metallberufe / Metal Trades**

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Name des Gerätes		
		
Informationen zum Gerät		

