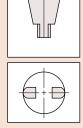
Measurement example





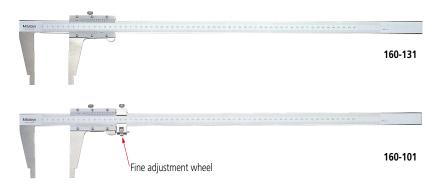
Radiused jaws for accurate ID measurement

Measurement example



Vernier Caliper SERIES 160 — with Nib Style Jaws and Fine Adjustment

- Inside and outside measurements can be read directly from the upper and lower vernier scales.
- The jaws have radiused measuring faces for accurate inside diameter (ID) measurement.
- With fine adjustment (Order No. 160-127/128/101/104).



SPECIFICATIONS

Metric with inside measurement vernier scale						
Order No.	Range (mm)*1	Minimum reading (mm)	Maximum permissible error (mm)*2		Remarks	
			Емре	SMPE	Nemarks	
160-130	0 (20.1) - 450	0.05	±0.10	±0.10	without fine adjustment	
160-131	0 (20.1) - 600		±0.10	±0.10		
160-132	0 (20.1) - 1000		±0.15	±0.15		

*1 (): Minimum dimension in ID measurement *2 Partial Surface Contact Error, EMPE and Shift Error, SMPE are terms (notations) used in ISO 13385-1:2019.

Metric with inside measurement vernier scale						
Order No.		Range (mm)* ¹	Minimum reading (mm)	Maximum permissible error (mm)*2		Remarks
Order No.	<i>E</i> mpe			Smpe	Nemdiks	
160-	127	0 (10.1) - 300	0.02	±0.04	±0.04	with fine adjustment
160-	128	0 (20.1) - 450		±0.05	±0.05	
160-	101	0 (20.1) - 600		±0.05	±0.05	
160-	104	0 (20.1) - 1000		±0.07	±0.07	

*1 (): Minimum dimension in ID measurement

*2 Partial Surface Contact Error, EMPE and Shift Error, SMPE are terms (notations) used in ISO 13385-1:2019.

	Metric/Inch with metric/inch double scale					
Order No.		Range*1	Minimum reading	Maximum permissible error*2		Remarks
Oru	ei No.	Narrye	Willing reading	Емре	SMPE	I/EIIIdIK2
160	150	0 - 300 mm/0 - 12 in		±0.04 mm/	±0.04 mm/	+10 mm/0.394 in to reading
100	160-150	(10.1 - 300 mm/0.398 - 12 in)		±0.0015 in	±0.0015 in	in inside measurement
160	151	0 - 450 mm/0 - 18 in				
160-151	J-131	(20.1 - 450 mm/0.791 - 18 in)	0.02 mm/	±0.05 mm/	±0.05 mm/	
160	160-153	0 - 600 mm/0 - 24 in	0.001 in	±0.002 in	±0.002 in	+20 mm/0.787 in to reading
100-133	(20.1 - 600 mm/0.791 - 24 in)				in inside measurement	
160	160-155	0 - 1000 mm/0 - 40 in		±0.07 mm/	±0.07 mm/	
100	J-133	(20.1 - 1000 mm/0.791 - 24 in)		±0.003 in	±0.003 in	

*1 (): Minimum dimension in ID measurement

*2 Partial Surface Contact Error, EMPE and Shift Error, SMPE are terms (notations) used in ISO 13385-1:2019.

