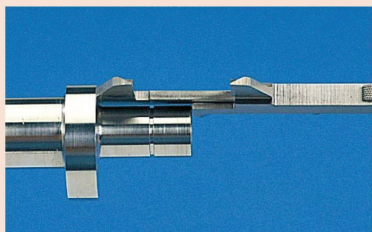
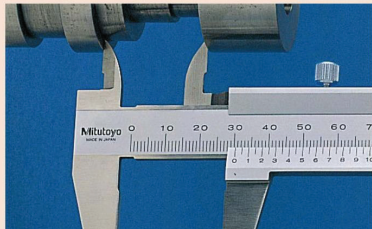
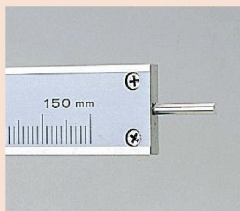


Measurement example



Round depth bar type



530-102

Carbide-tipped jaws for outside measurement



530-320

Vernier Caliper SERIES 530 — Standard model

- Stepped graduation face prevents dust ingress between the main scale and slider.
- The small vernier face angle (14°) provides easy reading.
- Can measure steps, since the end faces of the beam and slider are the zero reference

- point (measuring face). Standard calipers allow four types of measurement, i.e. outside, inside, depth, and step.
- Carbide-tipped jaw calipers are optimal for rough finished parts, castings, grinding stones, etc.



530-101

SPECIFICATIONS

Metric							
Order No.	Range (mm)	Maximum permissible error (mm)* ¹ • EMPE (outside measurement) • SMPE (inside measurement)		Depth bar	Graduation (mm)	Remarks	
530-101	0 - 150	±0.05		Blade	0.05	—	
530-122		±0.03			0.02	High accuracy model	
530-108		±0.05			0.05	—	
530-123	0 - 200	±0.03			0.02	High accuracy model	
530-109		±0.08			0.05	—	
530-124	0 - 300	±0.04			0.02	High accuracy model	
Order No.	Range (mm)	Maximum permissible error (mm)* ²		Depth bar	Graduation (mm)	Remarks	
		EMPE	SMPE				
530-100	0 - 100	±0.05	±0.07	ø1.9 mm rod	0.05	—	
530-102		±0.05	±0.07			—	
530-320	0 - 150	±0.05	±0.07	Blade		Carbide-tipped jaws for outside measurement	
530-335		±0.05	±0.07			Carbide-tipped jaws for outside and inside measurement	
530-321	0 - 200	±0.05	±0.07			Carbide-tipped jaws for outside measurement	
530-322	0 - 300	±0.08	±0.10			Carbide-tipped jaws for outside measurement	
530-501	0 - 600	±0.10	±0.12	—		—	
530-502	0 - 1000	±0.15	±0.17				
Metric/Inch with metric/inch double scale							
Order No.	Range	Maximum permissible error		Depth bar	Graduation	Remarks	
		EMPE	SMPE				
530-104	0 - 150 mm/ 0 - 6 in	±0.05 mm/ ±0.5/128 in	±0.07 mm/ ±0.5/128 in	Blade	0.05 mm (1/128 in)	—	
530-316						Clamping screw below the slider	
530-312					0 - 200 mm/ 0 - 8 in	0.02 mm (0.001 in)	High accuracy model: ±0.03 mm
530-114						0.05 mm (1/128 in)	—
530-118	0 - 300 mm/ 0 - 12 in	±0.08 mm/ ±0.5/128 in	±0.010 mm/ ±0.5/128 in		0.02 mm (0.001 in)	High accuracy model: ±0.03 mm	
530-115					0.05 mm (1/128 in)	—	
530-119				0.02 mm (0.001 in)	High accuracy model: ±0.04 mm		
Inch with inch/inch double scale							
Order No.	Range (in)	Maximum permissible error (in)		Depth bar	Graduation (in)	Remarks	
		EMPE	SMPE				
530-105	0 - 6	±0.5/128	±0.5/128	Blade	0.001	—	
530-116	0 - 8	±0.5/128	±0.5/128				

*1 Partial Measuring Face Contact Error, EMPE and Shift Error, SMPE are terms (notations) used in JIS B 7507: 2016, revised based on ISO 13385-1: 2011. Refer to page D-45 for details.

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