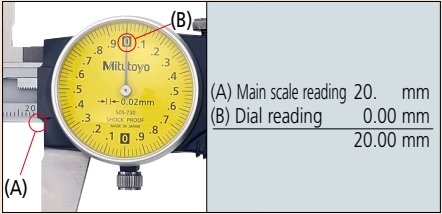




Dial Caliper
SERIES 505

Reading



The series provides two types; Graduation 0.02 mm (2 mm/rev.) and Graduation 0.01 mm (1 mm/rev.).

- Easy-to-read yellow dial reduces the effect of parallax.
- The font used on the dial face and the main scale is easy to read.
- Large finger rest aids ease of use.



SPECIFICATIONS

Metric							
Code No.	Range (mm)	Graduation (mm)	Maximum permissible error (mm)*2		Remarks		
			EMPE	SMPE			
505-730	0 - 150	0.02, 2/rev	±0.03	±0.05	—		
505-734					Carbide-tipped jaws for outside measurement		
505-735					Carbide-tipped jaws for outside and inside measurement		
505-731	0 - 200	0.01, 1/rev	±0.04	±0.06	—		
505-745	0 - 300		±0.02	±0.04			
505-732*1	0 - 150		±0.03	±0.05			
505-733*1	0 - 200						
Inch							
Code No.	Range (in)	Graduation (in)	Maximum permissible error (in)*2		Remarks		
			EMPE	SMPE			
505-740J	0 - 6	0.001, 0.2/rev	±0.001	±0.002	—		
505-742J*1		0.001, 0.1/rev			—		
505-742-56J					Carbide-tipped jaws for outside measurement		
505-742-51J					Carbide-tipped jaws for outside and inside measurement		
505-736*1		0.001, 0.2/rev			Carbide-tipped jaws for outside measurement		
505-738*1					Carbide-tipped jaws for outside measurement		
505-744		0.001, 0.1/rev			—		
505-742-52J					—		
505-742-53J					—		
505-742-54J					—		
505-742-55J		0 - 8	0.001, 0.2/rev	±0.002	±0.0025	—	
505-741J	0.001, 0.1/rev		Carbide-tipped jaws for outside measurement				
505-743J*1	0.001, 0.1/rev		Carbide-tipped jaws for outside and inside measurement				
505-737*1	0.001, 0.2/rev		—				
505-739*1	0.001, 0.1/rev		Carbide-tipped jaws for outside measurement				
505-749	0.001, 0.2/rev		—				
505-746*1	0.001, 0.1/rev		Carbide-tipped jaws for outside measurement				
505-750	0.001, 0.1/rev		Carbide-tipped jaws for outside and inside measurement				
505-747*1							

*1 Silver cover type
*2 The Partial Surface Contact Error (EMPE) and Shift Error (SMPE) are terms defined by ISO 13385-1:2019.

DIMENSIONS

Unit: mm

Range (mm)	A	B	D	E	H	L
0 - 150	16.5	21	40	57.2	16	231
0 - 200	20	24.5	50	70.2	20	288
0 - 300	22	27.5	64	70.2	20	404

Outside jaw thickness: 3.5 mm
(505-745: 3.8 mm)