# **Long Jaw Vernier Caliper SERIES 534**

- Long jaws for measuring hard-to-reach workpiece features.
- Inside and outside measurements can be read directly from the upper and lower vernier scales.
- Inside measurement is possible upwards from the minimum inside measuring length (jaws closed).



## **SPECIFICATIONS**

Metric with inside measurement vernier scale Maximum permissible error (mm)\*2 Graduation Order No. Range (mm)\*1 Remarks (mm) Емре 534-109 0 (10.1) - 300 ±0.07 ±0.07 without fine adjustment 0.05 534-110 0 (20.1) - 500 ±0.13 ±0.13

\*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.

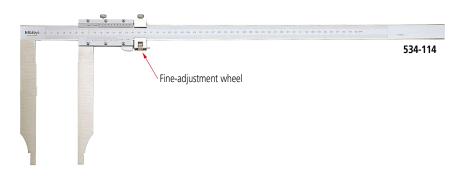
Metric/Inch with metric/inch double scale						
Order No.	Range*1	Graduation	Maximum permissible error*2		Remarks	
Order No.			<i>E</i> MPE	Ѕмре	l/emarks	
534-101	0 - 300 mm/0 - 12 in	0.05 mm/	±0.07 mm/	±0.07 mm/	+10 mm/0.394 in to reading in	
334 101	(10.1 - 300 mm/0.398 - 12 in)	1/128 in	±0.5/128 in	±0.5/128 in	inside measurement without fine	
534-105	0 - 300 mm/0 -12 in	0.02 mm/	±0.04 mm/	±0.04 mm/	adjustment	
334-103	(10.1 - 300 mm/0.398 - 12 in)	0.001 in	±0.002 in	±0.002 in	aujustinent	
534-102		0.05 mm/	±0.13 mm/	±0.13 mm/		
334-102	0 - 500 mm/0 - 20 in (20.1 - 500 mm/0.791 - 20 in)	1/128 in	±0.5/128 in	±0.5/128 in	+20 mm/0.787 in to reading in inside measurement without fine adjustment	
534-106		0.02 mm/	±0.06 mm/	±0.06 mm/		
		0.001 in	±0.003 in	±0.003 in		
534-103 534-107		0.05 mm/	±0.16 mm/	±0.16 mm/		
	0 - 750 mm/0 - 30 in	1/128 in	±1/128 in	±1/128 in		
	(20.1 - 750 mm/0.791 - 30 in)	0.02 mm/	±0.08 mm/	±0.08 mm/		
		0.001 in	±0.004 in	±0.004 in		
534-104	0 - 1000 mm/0 - 40 in	0.05 mm/	±0.2 mm/	±0.2 mm/		
554-104		1/128 in	±1/128 in	±1/128 in		
E24 100	(20.1 - 1000 mm/0.791 - 40 in)	0.02 mm/	±0.1 mm/	±0.1 mm/		
534-108		0.001 in	±0.004 in	±0.004 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. Note: For external dimensions, refer to page D-25.



## **Long Jaw Vernier Caliper SERIES 534**

- Long jaws for measuring hard-to-reach workpiece features.
- Inside and outside measurements can be read directly from the upper and lower vernier scales.
- The fine-adjustment wheel enables precise feed and adjustment.
- Inside measurement is possible upwards from the minimum inside measuring length (jaws closed).



#### Measurement example



#### **SPECIFICATIONS**

Metric with inside measurement vernier scale								
Order No.	Range (mm)*1	Graduation (mm)	Maximum permis  EMPE	sible error (mm)*2 SMPE	Remarks			
534-113	0 (10.1) - 300	0.02	±0.04	±0.04				
534-114	0 (20.1) - 500		±0.06	±0.06	with fine adjustment			
534-115	0 (20.1) - 750		±0.08	±0.08	with fine adjustment			
534-116	0 (20.1) - 1000		±0.10	±0.10				

- \*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.

Inch with inside measurement vernier scale							
Order No.	Range (in)*1	Graduation (in)	Maximum permi Empe	ssible error (in)*2 SMPE	Remarks		
534-117	0 (0.304) - 12	0.001	±0.002	±0.002			
534-118	0 (0.804) - 20		±0.003	±0.003	with fine adjustment		
534-119	0 (0.804) - 30		±0.004	±0.004	with fine adjustment		
534-120	0 (0.804) - 40		±0.004				

- \*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.

### **DIMENSIONS**

