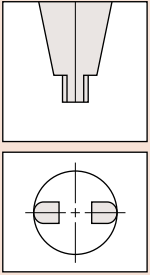
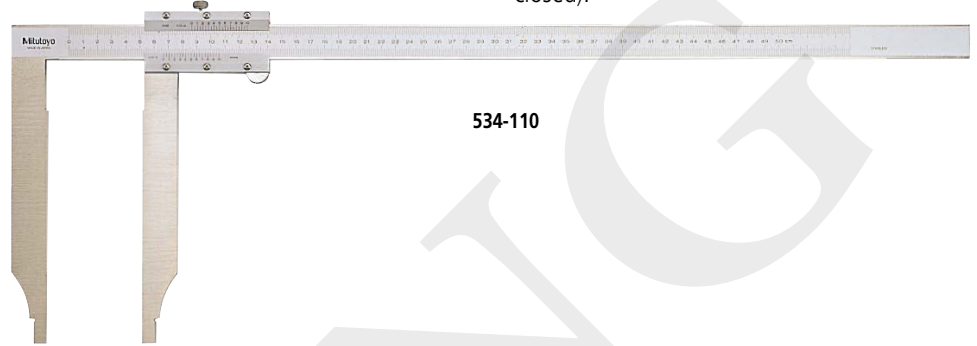


Long Jaw Vernier Caliper SERIES 534

- 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).



Round jaws for accurate ID measurement



SPECIFICATIONS

Metric with inside measurement vernier scale

Order No.	Range (mm)* ¹	Graduation (mm)	Maximum permissible error (mm)* ²		Remarks
			E_{MPE}	S_{MPE}	
534-109	0 (10.1) - 300	0.05	±0.07	±0.07	without fine adjustment
534-110	0 (20.1) - 500		±0.13	±0.13	

*1 (): Minimum dimension in ID measurement

*2 Partial Surface Contact Error, E_{MPE} and Shift Error, S_{MPE} are terms (notations) used in ISO 13385-1:2019.

Metric/Inch with metric/inch double scale

Order No.	Range (mm)* ¹	Graduation	Maximum permissible error (mm)* ²		Remarks
			E_{MPE}	S_{MPE}	
534-101	0 (10.1) - 300	0.05 mm/1/128 in	±0.07	±0.07	+10 mm/0.394 in to reading in inside measurement without fine adjustment
534-105		0.02 mm/0.001 in	±0.04	±0.04	
534-102	0 (20.1) - 500	0.05 mm/1/128 in	±0.13	±0.13	+20 mm/0.787 in to reading in inside measurement without fine adjustment
534-106		0.02 mm/0.001 in	±0.06	±0.06	
534-103	0 (20.1) - 750	0.05 mm/1/128 in	±0.16	±0.16	
534-107		0.02 mm/0.001 in	±0.08	±0.08	
534-104	0 (20.1) - 1000	0.05 mm/1/128 in	±0.20	±0.20	
534-108		0.02 mm/0.001 in	±0.10	±0.10	

*1 (): Minimum dimension in ID measurement

*2 Partial Surface Contact Error, E_{MPE} and Shift Error, S_{MPE} are terms (notations) used in ISO 13385-1:2019.

Note: For external dimensions, refer to the **series 534** on page D-23.

Calipers

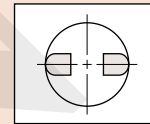
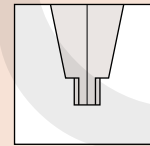
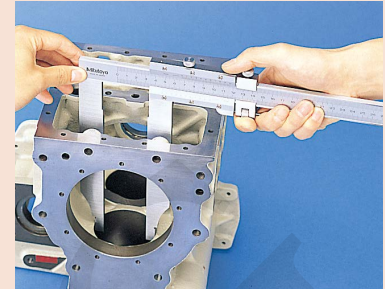
An industry standard measuring tool

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).



534-114



Radiused jaws for accurate ID measurement

SPECIFICATIONS

Metric with inside measurement vernier scale

Order No.	Range (mm)* ¹	Graduation (mm)	Maximum permissible error (mm)* ²		Remarks
			E_{MPE}	S_{MPE}	
534-113	0 (10.1) - 300	0.02	±0.04	±0.04	with fine adjustment
534-114	0 (20.1) - 500		±0.06	±0.06	
534-115	0 (20.1) - 750		±0.08	±0.08	
534-116	0 (20.1) - 1000		±0.10	±0.10	

*1 () : Minimum dimension in ID measurement

*2 Partial Surface Contact Error, E_{MPE} and Shift Error, S_{MPE} are terms (notations) used in ISO 13385-1:2019.

Inch with inside measurement vernier scale

Order No.	Range (in)* ¹	Graduation (in)	Maximum permissible error (in)* ²		Remarks
			E_{MPE}	S_{MPE}	
534-117	0 (0.304) - 12	0.001	±0.002	±0.002	with fine adjustment
534-118	0 (0.804) - 20		±0.003	±0.003	
534-119	0 (0.804) - 30		±0.004	±0.004	
534-120	0 (0.804) - 40		±0.004	±0.004	

*1 () : Minimum dimension in ID measurement

*2 Partial Surface Contact Error, E_{MPE} and Shift Error, S_{MPE} are terms (notations) used in ISO 13385-1:2019.

DIMENSIONS

Unit: mm

Range	D	E	F	H	L	M	R	S	t
0 - 300 mm*	90	76.5	—	20	445	7	R5	12	3.8
0 - 300 mm/0 - 12 in		103	38				R5		
0 - 500 mm*	200	89	—	25	682	12	R10	18.5	6
0 - 500 mm/0 - 20 in		112	51				R10		
0 - 750 mm*	150	—	—	32	995	12	R10	—	6
0 - 750 mm/0 - 30 in		62.5	—				R10		
0 - 1000 mm*	—	—	—	—	1230	—	R10	—	8
0 - 1000 mm/0 - 40 in		62.5	—				R10		

* Without fine adjustment