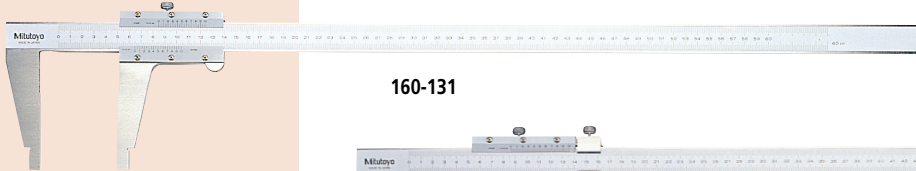


Vernier Caliper SERIES 160 — with Nib Style Jaws and Fine Adjustment

- 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 (except for 160-130/131/132/133/134).

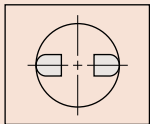
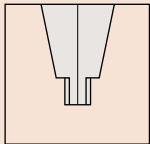


160-131



160-101

Fine adjustment wheel



Radiused jaws for accurate ID measurement

SPECIFICATIONS

Metric _____ with inside measurement vernier scale

Order No.	Range*	Accuracy	Minimum reading	Remarks
160-130	0 (20.1) - 450 mm	±0.10 mm	0.05 mm	without fine adjustment
160-131	0 (20.1) - 600 mm			
160-132	0 (20.1) - 1000 mm			
160-133	0 (20.1) - 1500 mm			
160-134	0 (20.1) - 2000 mm			

* () : Minimum dimension in ID measurement

Metric _____ with inside measurement vernier scale

Order No.	Range*	Accuracy	Minimum reading	Remarks
160-127	0 (10.1) - 300 mm	±0.04 mm	0.02 mm	with fine adjustment
160-128	0 (20.1) - 450 mm	±0.05 mm		
160-101	0 (20.1) - 600 mm	±0.05 mm		
160-104	0 (20.1) - 1000 mm	±0.07 mm		
160-110	0 (20.1) - 1500 mm	±0.1 mm		
160-113	0 (20.1) - 2000 mm	±0.12 mm		

* () : Minimum dimension in ID measurement

Metric/Inch _____ with metric/inch double scale

Order No.	Range*	Accuracy	Minimum reading	Remarks
160-150	0 (10.1) - 300 mm	±0.04 mm	0.02 mm / 0.001 in	+10 mm / 0.394 inch to reading in inside measurement
160-151	0 (20.1) - 450 mm	±0.05 mm		
160-153	0 (20.1) - 600 mm	±0.05 mm		
160-155	0 (20.1) - 1000 mm	±0.07 mm		
160-157	0 (20.1) - 1500 mm	±0.1 mm		
160-159	0 (20.1) - 2000 mm	±0.12 mm		

* () : Minimum dimension in ID measurement

Inch _____ with inside measurement vernier scale

Order No.	Range*	Accuracy	Minimum reading	Remarks
160-124	0 (0.304 in) - 12 in	±0.0015 in	0.001 in	—
160-116	0 (0.504 in) - 18 in	±0.002 in		
160-102	0 (0.504 in) - 24 in			
160-105	0 (1.004 in) - 40 in	±0.003 in		
160-111	0 (1.004 in) - 60 in	±0.004 in		
160-114	0 (1.004 in) - 80 in	±0.005 in		

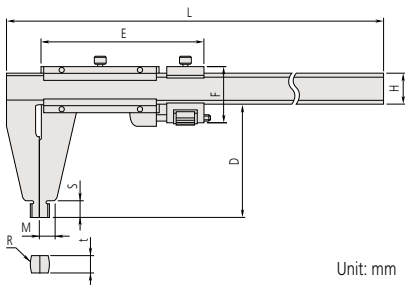
* () : Minimum dimension in ID measurement

Inch/Metric _____ with inch/metric double scale

Order No.	Range*	Accuracy	Minimum reading	Remarks
160-125	0 (0.304 in) - 12 in	±0.0015 in	0.001 in / 0.02 mm	+0.3 in / 7.62 mm to reading in inside measurement
160-119	0 (0.504 in) - 18 in	±0.002 in		
160-103	0 (0.504 in) - 24 in	±0.002 in		
160-106	0 (1.004 in) - 40 in	±0.003 in		
160-112	0 (1.004 in) - 60 in	±0.004 in		
160-115	0 (1.004 in) - 80 in	±0.005 in		

* () : Minimum dimension in ID measurement

DIMENSIONS



Unit: mm

Range	D	E	F	H	L	M	R	S	t
0-300 mm/0-12 in	75	103	38	20	445	10	R 5	12	3.8
0-450 mm*	100	89	—	25	630	14.8	R10	18	6
0-450 mm/0-18 in	100	112	51	—	—	—	R10	18	6
0-600 mm*	100	89	—	25	780	14.8	R10	18	6
0-600 mm/0-24 in	100	112	51	—	—	—	R10	18	6
0-1000 mm*	140	111	—	32	1240	17	R10	24	8
0-1000 mm/0-40 in	140	150	62.5	—	—	—	R10	24	8
0-1500 mm*	180	129	—	32	1800	19	R10	30	8
0-1500 mm/0-60 in	180	170	62.5	—	—	—	R10	30	8
0-2000 mm*	180	129	—	40	2300	23	R10	30	12
0-2000 mm/0-80 in	180	180	78	—	—	—	R10	30	12

*: without fine adjustment