

# Inside Micrometers

For easy and accurate measurement of inside size and diameter

## Tubular Inside Micrometers SERIES 133 — Single Rod Type

- Standard single rod type inside micrometer.
- Carbide measuring faces.
- The sleeve is rotated to adjust the index line position when setting to a length standard.
- Optional Setting Rings (nominal size below 300 mm), CERA Inside Micro Checker and Gauge Block Accessory Sets are available as reference gages datum adjustment (refer

to page C-47, C-26, and E-17 to E20 for details).



## SPECIFICATIONS

Metric	Individual			
Order No.	Range (mm)	Graduation (mm)	Accuracy (μm)	
133-143	50 - 75	0.01	±3	
133-144	75 - 100		±4	
133-145	100 - 125		±5	
133-146	125 - 150			
133-147	150 - 175			
133-148	175 - 200			
133-149	200 - 225		±6	
133-150	225 - 250			
133-151	250 - 275			
133-152	275 - 300			
133-153	300 - 325		±7	
133-154	325 - 350			
133-155	350 - 375			±8
133-156	375 - 400			
133-157	400 - 425			
133-158	425 - 450			
133-159	450 - 475	±9		
133-160	475 - 500			
133-161	500 - 525		±10	
133-162	525 - 550			
133-163	550 - 575	±11		
133-164	575 - 600			
133-165	600 - 625		±12	
133-166	625 - 650			
133-167	650 - 675	±13		
133-168	675 - 700			
133-169	700 - 725		±14	
133-170	725 - 750			
133-171	750 - 775	±15		
133-172	775 - 800			
133-173	800 - 825		±16	
133-174	825 - 850			
133-175	850 - 875			
133-176	875 - 900			
133-177	900 - 925			
133-178	925 - 950			
133-179	950 - 975			
133-180	975 - 1000			

Inch	Individual		
Order No.	Range (in)	Graduation (in)	Accuracy (in)
133-223	2 - 3	0.001	±0.00015
133-224	3 - 4		±0.0002
133-225	4 - 5		±0.00025
133-226	5 - 6		
133-227	6 - 7		
133-228	7 - 8		
133-229	8 - 9		±0.0003
133-230	9 - 10		
133-231	10 - 11		
133-232	11 - 12		

## Single Rod Type Inside Micrometer Set



133-902

Metric Micrometer set			Inch Micrometer set		
Order No.	Range (mm)	Models included	Order No.	Range (in)	Models included
133-901	50 - 150 (4 heads/set)	133-143 133-144 133-145 133-146 with fitted case	133-903	2 - 6 (4 heads/set)	133-223 133-224 133-225 133-226 with fitted case
133-902	50 - 300 (10 heads/set)	133-143 133-144 133-145 133-146 133-147 133-148 133-149 133-150 133-151 133-152 with fitted case	133-904	2 - 12 (10 heads/set)	133-223 133-224 133-225 133-226 133-227 133-228 133-229 133-230 133-231 133-232 with fitted case

## DIMENSIONS

